



OPT-Automation Ltd

International Sales

2508 Bank of America Tower 12

Harcourt Road, Central Honk Kong

Tel.: +852 7071 9817
+86 15919800262

Mail: info@opt-automation.com

Web: www.opt-automation.com

亞太區

Taiwan
2F, No. 105, Llyuan Rd., Dall Dist., Taichung City 412,
Taiwan (R.O.C.)
Tel: +886 4 2273 1122
rplus168@gmail.com

Malaysia

No. 3259, Jalan sj 3/6, Taman Seremban Jaya, 70450
Seremban, Negeri Sembilan
Tel: +06 671 5062
jainquiry@gmail.com

聖辰自動化技術(東莞)有限公司

SanSun Automation Technology (Dongguan) Co., Ltd.
華南公司 東莞市松山湖科技產業園區科技十路七棟
No. 7, Science and Technology 10 Road, Songshan Lake, Science
and Technology Industrial Park, Dongguan City, Guangdong Province, China
電話(Tel): +86-769 8779 0193
傳真(Fax): +86-769 8779 0839
郵箱(E-mail): ceo@opt.tw
網址(Web): www.opt.tw

澳普托自動化產品(東莞)有限公司(工廠)

Auputo Automation Products (Dongguan) Co., Ltd (Factory)
地址(Add): 廣東省東莞市橫瀝鎮育才路水邊工業園12號
No. 12 Shuibian Industrial Park, Yucai Road, Hengli Town, Dongguan City,
Guangdong Province, China
電話(Tel): +83-0769-81010333

聖辰自動化技術(青島)有限公司

SanSun Automation Technology (Qingdao) Co., Ltd.
地址(Add): 山東省青島市高新區華貫路1號8號樓202-2室
郵箱(E-mail): shengchen_qd@126.com

Vietnam

149/100 Tan Thoi Nhat 17, Tan Thoi Nhat, Quan 12,
Thphcm.viet Nam.
Tel: +84 9013 30115

Thailand

959/1 Lardkrabang Rd., Lardkrabang, Bangkok Thailand 10520
Tel: +02 181 2511
Fax: +02 181 2513
huang@rlbearing.com

澳普托自動化產品(江蘇)有限公司

Auputo Automation Products (Jiangsu) Co., Ltd.
華東公司 蘇州市高新區永安路19號8幢
Building 8, No. 19, Yong'an Road, High-tech Zone, Suzhou City
電話(Tel): +86-0510-83213899
傳真(Fax): +86-0510-83212399
郵箱(E-mail): ceo@opt.tw
網址(Web): <http://www.opt-eoat.com>

澳普托自動化技術(江蘇)有限公司

Auputo Automation Technology (Jiangsu) Co., Ltd.
地址(Add): 江蘇省蘇州市張家港市樂余鎮樂興南路288號
No. 288, Lexing South Road, Leyu Town, Zhangjiagang City, Suzhou City,
Jiangsu Province
電話(Tel): +83-0512-58516255
傳真(Fax): +83-0512-58516299

澳普托自動化產品(武漢)有限公司

Auputo Automation Products (Wuhan) Co., Ltd.
地址(Add): 湖北省武漢市蔡甸經濟開發區海天汽配大世界東區30棟168號
No. 168, Building 30, East District, Haitian Auto Parts World, Caidian Economic
Development Zone, Wuhan City, Hubei Province

版權所有，包括翻譯權。未經OPT書面許可，不得以任何方式復制和傳播本刊物。我們保留修改的權利。
All rights reserved, including translation rights. No parts of this publication may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior written permission of OPT. We reserve the right to make alterations.



※本目錄內容會有因產品改良而有變更的可能性，恕不另行通知。
※本目錄產品已投保500萬臺幣產品責任險。
Copyright © SanSun Automation Technology (Dongguan) Co., Ltd. 版權所有 · 翻版必究

A1
SAD-21-474

OPT
讓治具變成積木化

CN-EN 2021



Robot
Automation parts
澳普托

讓治具變成“積木化”
——實現機器人手臂無所不能

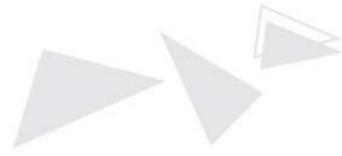
AUTO
MATION
PARTS



綜合目錄
COMPREHENSIVE CATALOG

CN
EN

ISO 9001 ISO 14001 OHSAS 18001



關於我們 *About us*



總部大樓——東莞·橫瀝

澳普托自動產品（東莞）有限公司是“讓治具變成積木化”理念的倡導者和踐行者，是將工業4.0技術融入工業自動化產品及解決方案的專業供應商。公司創立於1983年，總部位於中國臺灣臺中，2013年先後在廣東東莞鬆山湖高新產業園區設立研發中心，在江蘇張家港設立生產基地。公司自成立以來，致力於科技創新，先後被認定為國家高新技術企業，榮獲中國創業創新大賽一等獎、自主創新獎等榮譽。

公司旗下擁有OPT、QCK、WEMO、Auputo等4大自主品牌。其中，OPT品牌系列是涵蓋電、氣、液一體化的精密機械功能部件，包括氣動剪切、氣動元件、抓取夾持、打磨拋光、傳感及電驅產品、快換裝置和EOAT治具組件等七大系列8300餘種產品，適用於剪切、抓取、力矩打磨、智慧裝配、真空搬運等生產環節。廣泛應用於塑膠、汽車、航天、3C、醫療乃至整個自動化行業。WEMO品牌系列致力於提供注塑產品及汽車內飾件的抓取、剪切、快換工裝系列自動化產品和完整的柔性生產模塊化解決方案。公司主要業務合作伙伴有特斯拉、奔馳、寶馬、一汽紅旗、長城汽車、中車四方、中船裝備、中航電子、三一重工、徐工、富士康、捷普綠點、比亞迪、以及安川首鋼、KUKA、遨博、節卡、威猛巴頓、偉立、艾爾發、恩格爾海天及眾多機器人應用集成商。

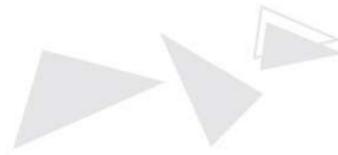
公司秉承專注專業、品質第一、持續創新的經營管理理念，運用精益生產與六西格瑪管理模式，將市場需求、產品研發、生產製造、售前服務、售後質量跟踪有機結合，致力於提供品類多、質量優的機器人末端產品及高效優質的技術服務來推動全球的工業自動化的快速發展。

Auputo Automatic Products (Dongguan) Co., Ltd. is the advocate and practitioner of the concept of "Make the EOAT Modular Design", and is a professional supplier integrating industry 4.0 technology into industrial automation products and solutions. Founded in 1983, the company is headquartered in Taichung, Taiwan, China. In 2013, the company set up a R&D center in Dongguan Songshanhu High-tech Industrial Park in Guangdong province, in the same year, a production base set up in Zhangjiagang, Jiangsu Province. Since its inception, the company has been committed to scientific and technological innovation, has been identified as the national high-tech enterprise, won the First prize of China entrepreneurship and Innovation Competition, independent innovation award and other honors.

The company owns four independent brands including OPT, QCK, WEMO and OPTAuputo. OPT brand series covers electricity, gas, liquid integration of precision mechanical features, including shear, pneumatic components, pneumatic grab clamping, fine polishing, sensor and electric drive products, quick change device and EOAT fixture components and so on 7 series more than 8300 kinds of products, applicable to shear, grab, moment of grinding, assembly, vacuum handling production links such as wisdom. Widely used in plastic, automotive, aerospace, 3C, medical and even the entire automation industry. WEMO is committed to providing complete modular flexible manufacturing solutions for injection molding products and automotive interior parts, including grasping, cutting and quick change automation products. Company main business partners are Tesla, Mercedes Benz, BMW, Faw Hongqi, Great Wall Motor, CRRS, CSSC, AVIC, SANY, XCMG, Foxconn, Jabil Circuit, BYD, Yaskawa Shougang, KUKA, AUBO, JAKA, Wittmann-Battenfeld, Willih, Alfarobot, Engel, Haitian and many robot applications integrators.

The company adhering to the professional, quality first, continuous innovation business management philosophy, the use of lean production and sigma management mode, market demand, product research and development, manufacturing, pre-sales service, after-sales quality tracking organic combination, We are committed to providing a wide range of high quality robot terminal products and efficient and high quality technical services to promote the rapid development of global industrial automation.





品牌由來 *Brand origin*

源於德國、出身臺灣的澳普托

OPT started from Germany but born in Taiwan.



“讓治具變成積木化” “Make the EOAT Modular Design”

這是OPT的品牌理念。

2001年，聖辰創始人陳泓霖（現任OPT執行總裁）在東海大學工學院讀書期間，勤工儉學進入克裏斯汀·迪奧國際貿易公司（創建於1983年）做技術專員，因為業務關係，陳泓霖發現汽車注塑部件通常水口較大，一般都是靠人工處理，而當時最先進氣動剪刀，也是依賴進口，價格昂貴，噪音大，沒有售後，作為工科專業出身的他從中看到商機，得到了克裏斯汀·迪奧(Christian Diedler)先生大力的認可及支持，2002年陳泓霖大學畢業後到公司組建研發團隊，2003年5月成立剪切技術事業部，專業從事注塑水口的剪切技術的研發，2005年團隊採用液態金屬的技術生產出第一只高質量塑膠水口靜音氣動力剪刀。2012年5月克裏斯汀·迪奧(Christian Diedler)先生返回德國，三十多歲的陳泓霖傳承老東家的品牌繼續經營貿易公司。

隨著改革的進一步深化，中國經濟迅猛騰飛，製造業發展迅猛，在市場的推動下，公司調整發展戰略，於2013年1月在東莞成立公司，創立品牌——OPT：O--outstanding杰出的團隊；

P--professional專業的技術；T--technical科技的產品，並將OPT作為公司的經營理念，同年在大陸獲得OPT澳普托品牌注冊。中國公司主要致力於為汽車內飾件注塑環節的解決方案，開發出高質量、高性價比的專業EOAT產品，公司業務迅速發展，在此過程中，公司緊盯市場需求，不斷的創新，產品採用模塊化構件、標準化尺寸設計，並引入新材料、新工藝實現組件輕量化，使得系列EOAT產品像積木一樣可以根據需要任意組合搭配，2017年公司正式提出讓治具變成「積木化」品牌理念，並在機械人末端應用市場上進行推廣，深受客戶認可，品牌知名度得到不斷提升，除在中國大陸銷售外，還遠銷東南亞、中東、俄羅斯、歐美等國家和地區。

OPT先後在東莞、無錫、青島、武漢、蘇州設立公司，並在泰國、越南、印尼、德國設立辦事處。目前在泰國、越南、印尼、馬來西亞、德國、意大利等國家，尤其是亞太地區取得了不錯的銷售業績，並獲得了良好的口碑。後續將進一步加大歐美市場推廣及資源的發掘、開拓。

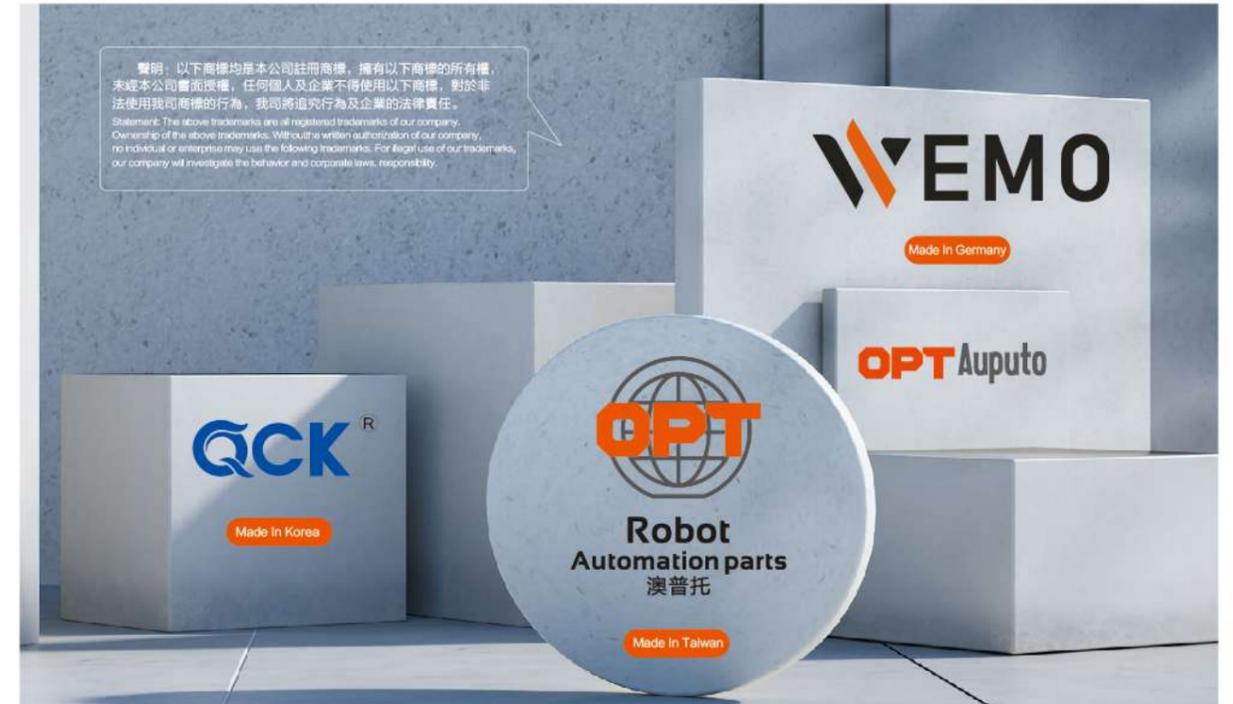
品牌變革升級 *Brand upgrade*

一直以來，公司都堅定不移地開展科技創新，潛心技術研發，走技術發展之路。雄厚的研發力量、優質的品質保證、壹流的技術服務，鑄就了OPT品牌。

從創立之初至今，OPT品牌順應市場需求，調整發展重心，不斷進行迭代升級。

The company has always been unwaveringly carrying out technological innovation, focusing on technological research and development, and taking the road of technological development. Strong R&D strength, high-quality quality assurance, and first-class technical services have created the OPT brand.

From its inception to the present, the OPT brand has adapted to market needs, adjusted its development focus, and continuously upgraded iteratively.



This is the brand concept of OPT.

In 2001, Chen Honglin (currently the CEO of OPT), the founder of Shengchen, was studying at the School of Engineering of Tunghai University. He joined Christian Dior International Trading Company (founded in 1983) as a technical specialist during a work-study program. Because of business relations, Chen Honglin discovered automobile injection molding. The parts usually have large nozzles and are usually handled manually. At that time, the most advanced pneumatic scissors were also imported, expensive, noisy, and no after-sales service. As an engineering professional, he saw business opportunities and got Christine. Mr. Christian Diedler strongly recognized and supported him. After graduating from University of Chen Honglin in 2002, he came to the company to set up a research and development team. In May 2003, he set up a shearing technology division, which specializes in the research and development of shearing technology for injection nozzles. In 2005, the team adopted Liquid metal technology produced the first high-quality plastic nozzle silent pneumatic scissors hand. In May 2012, Mr. Christian Diedler returned to Germany. Chen Honglin, who was in his 30s, inherited the brand of his old owner and continued to operate the trading company.

With the further deepening of reforms, China's economy has taken off rapidly, and the manufacturing industry has developed rapidly. Driven by the market, the company adjusted its development strategy and established a company in Dongguan in January 2013, creating a brand-OPT: O--outstanding outstanding Team; P--professional professional technology; T--technical technology products, and use

OPT as the company's business philosophy. In the same year, it obtained the OPT brand registration in the mainland. Chinese companies are mainly committed to the development of high-quality, cost-effective professional EOAT products for automotive interior parts injection molding solutions. The company's business is developing rapidly. In the process, the company keeps a close eye on market demand, continues to innovate, and adopts products. Modular components, standardized size design, and the introduction of new materials and new processes to achieve lightweight components, making the series of EOAT products like building blocks can be combined and matched as needed. In 2017, the company officially proposed to make the fixtures become a "building block" brand concept, And promoted in the robot terminal application market, deeply recognized by customers, brand awareness has been continuously improved, in addition to sales in mainland China, but also exported to Southeast Asia, the Middle East, Russia, Europe and the United States and other countries and regions.

OPT has set up offices in Dongguan, Wuxi, Qingdao, Wuhan and Suzhou, and offices in Thailand, Vietnam, Indonesia and Germany. At present, the company has achieved good sales performance in Thailand, Vietnam, Indonesia, Malaysia, Germany, Italy and other countries, especially in the Asia-Pacific region, and has gained a good reputation. In the future, we will further expand the market promotion and resources exploration in Europe and U.S.

Make the EOAT Modular Design



發展歷程 *Development history*



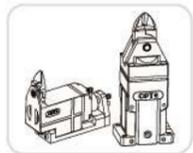
2003

公司成立：投資150萬美金專研發製造剪切系列產品
Invested 1,500,000 dollars for researching and developing the products of cutting series.



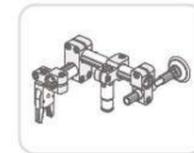
2005

研發出第一支手按式靜音氣剪
We succeeded in producing the first hand press silent air nipper in 2005.



2006

產品完成測試並正式投產
Complete product testing and formally put into production.



2007

公司正式投入機器人末端EOAT系列產品研發。
Our Company started to research and develop in EOAT.



2008

同行業全球第二大的專業剪切工具製造企業。
We are the world's second largest industry professional cutting tools manufacture.



2009

在大陸華東第二個工廠建成並投產，進軍東南亞、南亞市場。
The second factory in East China was built and put into production, and entered the Southeast Asian and South Asian markets.



2010

相繼在東南亞拓展市場
Expanding markets in Southeast Asia



2011

在歐美有受權銷售機構
Authorized sales organizations in Europe and America



2012

我們與眾多知名汽車廠家建立長期合作關係。
We have established long-term relationships with many well-known car manufacturers.



2013

OPT品牌創立，產品在汽車製造、醫療、航空、食品、電子等諸多行業都與許多企業獲得非常成功的合作案例。
OPT brand creation products in automobile manufacturing, medical, aviation, food, electronic, and many other industries are very successful cooperation with many enterprises.



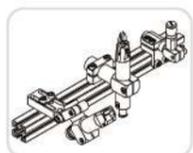
2014

成為奔馳、寶馬、特斯拉、大眾等塑膠汽車內飾件主要的工程解決方案供應商。
OPT become the main engineering solution supplier of plastic auto mobile interior decorations for Benz, BMW, Tesla, Volkswagen.



2015

加入歐美工業機器人協會成員。
Joined as a member of European and American Industrial Robot Association



2016

為寶馬、奔馳提供塑膠剪切技術及應用方案。
Provide plastic cutting technology and application solutions for BMW and Benchi



2017

OPT入駐松山湖科技產業園，組建國家級實驗室。
OPT settled in Songshan Lake Science and Technology Industrial Park and set up a national laboratory. Established the electric drive gripper division.



2018

被廣東省科技廳認定為高新技術企業，聖辰自動化技術(無錫)有限公司成立
Recognized as a high-tech enterprise by the Guangdong Provincial Department of Science and Technology, SanSun Automation Technology (Wuxi) Co., Ltd. was established



2019

OPT產品取得歐盟CE認證證書及通過質量認證中心的專項審核，獲得ISO 9001/1400認證。
OPT products obtained the EU CE certification and passed the quality Special audit by the quantity certification center. Obtained ISO 9001/1400 certification.



2020

橫瀝新工廠-澳普托自動化產品(東莞)有限公司正式投產，致力於成為亞太地區最大的EOAT生產商。
Hengli new factory Auputo Automation Products (Dongguan) Co., Ltd. was officially put into production, committed to building the world's second largest pneumatic scissors manufacturer.



2021

华东生产基地项目动工，华中分公司澳普托自动化产品(武汉)有限公司成立。
East China production base project started, Central China branch Opto Automation Products (Wuhan) Co., Ltd. Established.

Make the EOAT Modular Design



公司資質 *Company qualification*



用品質點亮視覺 用原創拒絕山寨

榮譽源於用心，每份認可的實質證書凝聚了OPT人努力拼搏，勇於創新的精神，每份榮譽都來之不易，我們將倍加珍惜，一如既往的為客戶提供優質的產品和周到的售後服務。

Honor comes from the heart, every accredited qualification certificate embodies the spirit of OPT people's hard work and innovation. Every honor is hard to come by. We will cherish it as always, and provide customers with quality products and considerate after-sales service.

2019年4月4日榮獲歐盟CE認證證書

2019年4月20日榮獲ISO9001:2015質量管理體系。

ISO14001:2015環境管理體系認證證書。

珍藏過去的榮譽

創造明日的輝煌

Collect past honor create brilliant tomorrow



近年來，公司高度重視科技創新，努力提升自主研發能力，推動知識產權申報工作取得新進展。進入2019年以來，公司收到國家知識產權局下發的專利證書41項，發明專利6項；外觀設計專利20項；實用專利23項。知識產權的不斷積累提升了企業的核心競爭力和品牌影響力。

In recent years, the company has attached great importance to technological innovation, strived to enhance its independent research and development capabilities, and promoted new progress in intellectual property declaration. Since 2019, the company has received 41 patent certificates issued by the State Intellectual Property Office, including 6 invention patent, 20 design patents and 23 utility model patents. The continuous accumulation of intellectual property rights has enhanced the core competitiveness and brand influence of enterprises.



OPT自主研發的Quick Change Connector、Induction switch、Air Nipper系列產品順利取得歐盟CE認證證書，這标志着OPT產品符合歐盟相關指令的要求，已經獲得歐洲市場的銷售許可。

OPT通過了質量認證中心的專項審核，正式獲得ISO9001: 2015質量管理體系、ISO14001: 2015環境管理體系認證證書。

OPT's self-developed Quick Change Connector and Induction switch series products have successfully obtained the EU CE certification, which indicates that OPT products meet the requirements of relevant EU directives and have obtained sales licenses in the European market. OPT has passed the special audit of the Quality Certification Center and officially obtained the ISO9001:2015 quality management system and ISO14001:2015 environmental management system certification.

Make the EOAT Modular Design



企業文化 *Company culture*

WE WALK ALONGSIDE THE WORLD

未來的時代

將是 **智能化** 的時代

The future will be an era of intelligence

企業宗旨

PURPOSE

我們致力於讓機器人末端治具積木化，並為全球客戶創造更有價值的投資回報。

We are committed to building robotic end fixtures and creating a more valuable return on investment for our global customers.

未來願景

VISION

成為壹家經營好、管理好、文化好，讓員工引以為傲，為社會所仰慕的企業，永續經營。

Be a good company with good management, good management and good culture, let the employees take pride in it, and admir

企業使命

MISSION

矢志成為所在領域的世界級企業；

Committed to becoming a world-class company in the field;

Make the EOAT Modular Design



發展規劃 *Development plan*



全球化運營

看見世界，更讓世界看見

OPT先后在东莞、无锡、青岛、武汉、苏州设立公司，并在泰国、越南、印尼、德国设立办事处。目前在泰国、越南、印尼、马来西亚、德国、意大利等国家，尤其是亚太地区取得了不错的销售业绩，并获得了良好的口碑。后续将进一步加大欧美市场推广及资源的发掘、开拓。

OPT has successively established companies in Dongguan, Wuxi, Qingdao, Wuhan, and Suzhou, and established offices in Thailand, Vietnam, Indonesia, and Germany. At present, it has achieved good sales performance in Thailand, Vietnam, Indonesia, Malaysia, Germany, Italy and other countries, especially in the Asia-Pacific region, and has gained a good reputation. The follow-up will further increase the promotion of European and American markets and the exploration and development of resources.

華南公司 South China Company



松山湖(總部)
Songshan Lake (Headquarter)



澳普托工廠 Auputo Factory



東莞 Dongguan

華東公司 East China Company



無錫 Wuxi



張家港 Zhangjiagang



青島 Qingdao

華中公司 Central China Company



湖北武漢 Hubei wuhan



重慶 ChongQing

中國臺灣 China Taiwan



臺灣臺中 Taichung, Taiwan

Make the EOAT Modular Design



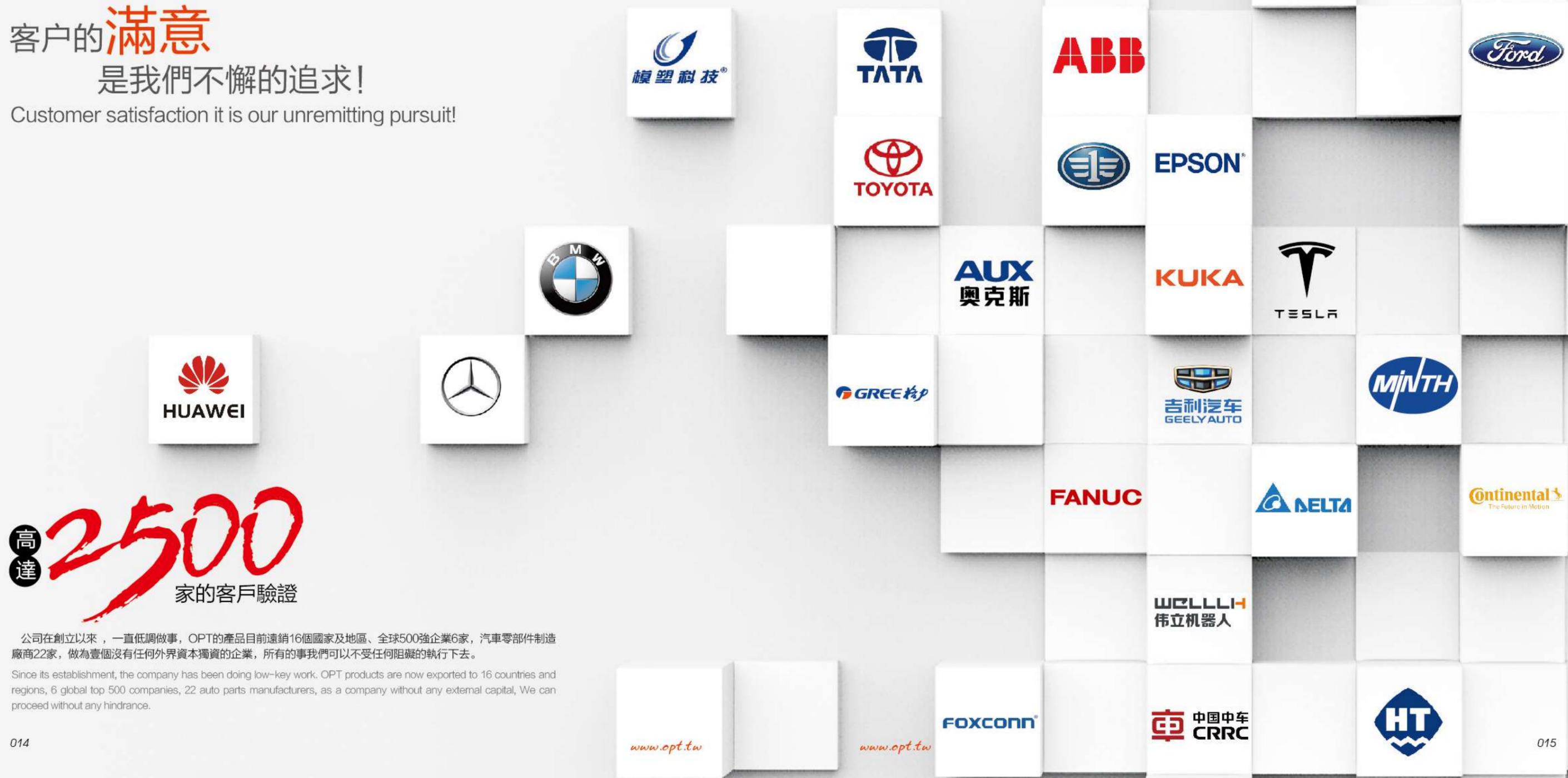
合作夥伴 *Cooperation partner*

客戶的**滿意**

是我們不懈的追求!

Customer satisfaction it is our unremitting pursuit!

讓治具(變成)積木化 **OPT**[®]



高達 2500
家的客戶驗證

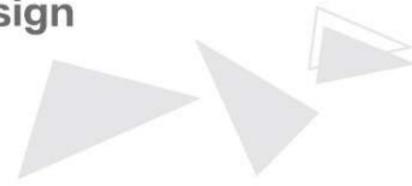
公司在創立以來，一直低調做事，OPT的產品目前遠銷16個國家及地區、全球500強企業6家，汽車零部件製造廠商22家，做為壹個沒有任何外界資本獨資的企業，所有的事我們可以不受任何阻礙的執行下去。

Since its establishment, the company has been doing low-key work. OPT products are now exported to 16 countries and regions, 6 global top 500 companies, 22 auto parts manufacturers, as a company without any external capital, We can proceed without any hindrance.

Make the EOAT Modular Design

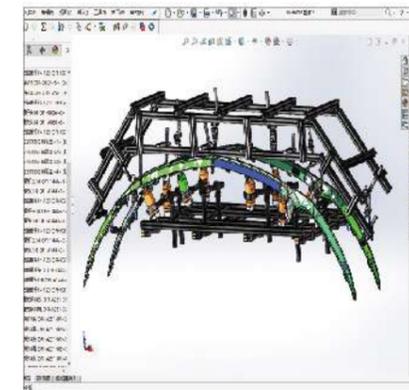


尊享服務 *Privilege service*



OPT即時尊享服務

及時.專業.以您為先



01 生產與技術 the first Production and Technology

以多年機構設計為核心,配合集團提供一體化服務,包含生產流程SOP化、關鍵性零件自廠加工、關鍵技術自廠設計裝配,提高生產效益及降低生產成本。

With many years of institutional design as the core, the company provides integrated services, including SOP of production processes, key parts processed by self-owned factory, and key technologies designed and assembled by self-owned factory to improve production efficiency and reduce production costs.



02 品質保證 Second Quality assurance

取得ISO各項認證,落實ISO品保管理流程,並導入2次元3次元檢測設備且有德國技師常駐工廠內,確保品質。

The company has obtained the certification of ISO9001/14001,OHSAS 18001,and implemented the ISO quality assurance management process.The factory is equipped with 2D/3D inspection machine and Germany technician on site to ensure the quality of the product.



03 標準品当天交貨 Third Standard delivery on the same day

標準品於每日12點前下單,壹個工作日可準時交貨(臺灣地區限定)。
One days lead time for standard product if po is placed by 12 pm(Taiwanese customer only)。

為確保服務的高響應與可控性,OPT開通7*24小時服務熱線400-891-0339,也是OPT著眼未來的全球化服務新戰略。在服務理念的追求上,我們不僅為客戶安全生產保駕護航,更有效的提高生產效率。

In order to ensure the high response and controllability of the service, OPT opened a 7*24-hour service hotline 400-891-0339, which is also OPT's new strategy for global service. In the pursuit of service concepts, we not only escort our customers for safe production, but also more effectively improve production efficiency.

IN TIME,
PROFESSIONAL,
CUSTOMER-FIRST

Make the EOAT Modular Design



發展規劃 *Development plan*

全球化運營

看見世界，更讓世界看見

OPT先后在东莞、无锡、青岛、武汉、苏州设立公司，并在泰国、越南、印尼、德国设立办事处。目前在泰国、越南、印尼、马来西亚、德国、意大利等国家，尤其是亚太地区取得了不错的销售业绩，并获得了良好的口碑。后续将进一步加大欧美市场推广及资源的发掘、开拓。

OPT has successively established companies in Dongguan, Wuxi, Qingdao, Wuhan, and Suzhou, and established offices in Thailand, Vietnam, Indonesia, and Germany. At present, it has achieved good sales performance in Thailand, Vietnam, Indonesia, Malaysia, Germany, Italy and other countries, especially in the Asia-Pacific region, and has gained a good reputation. The follow-up will further increase the promotion of European and American markets and the exploration and development of resources.

華南公司 South China Company



松山湖(總部)
Songshan Lake (Headquarter)



澳普托工廠 Auputo Factory



東莞 Dongguan

華東公司 East China Company



无锡 Wuxi



張家港 Zhangjiagang



青島 Qingdao

華中公司 Central China Company



湖北武漢 Hubei wuhan



重慶 ChongQing

中國臺灣 China Taiwan



臺灣臺中 Taichung, Taiwan

Make the EOAT Modular Design



治具 *End Of Arm Tooling*

什麼是EOAT?

EOAT是安裝在機械手上的框架(帶所有必備工具)將物件從注塑機模具上卸下。

功能:

- 將模具成型部件從模具上取出;
- 牢牢夾住物件;
- 分離澆道上的成型產品;
- 切割後夾取澆口;
- 在循環加工過程中,丟下澆口;
- 卸載成型件到托盤和輸送帶上。

What is the EOAT?

It is the frame(with all necessary tools)mounted on the robot used to unload the injection moulding machine.

Its jobs are:

- to take the moulded part out of the mould;
- to grip it firmly;
- to separate the moulded part from the sprue;
- to grip the sprue after cutting;
- to drop the sprue in the recycling machine;
- to unload the moulded part onto a pallet or a conveyor.

应用实例 *Application examples*



CFX夾具用於觸碰狹小空間內的真空吸盤

CFX grippers used for the vacuum cup approaching in a tight space



安裝在非旋轉懸件上的真空吸盤

Vacuum cups mounted on non-rotative suspensions

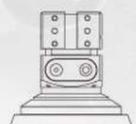
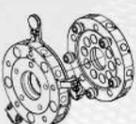
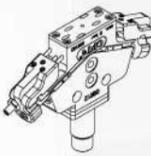
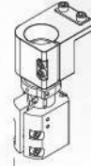
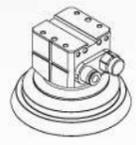
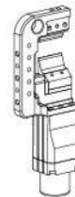
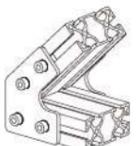
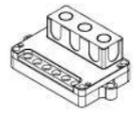
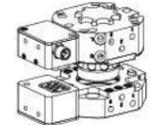
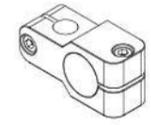
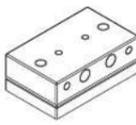
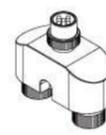
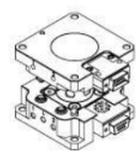


該夾具用於取出16腔模具內的小零件

Sprue grippers used for the handling of small parts out of a 16-cavity mould

Make the EOAT Modular Design

產品索引 *Product index*

	P 022 工業級氣剪 Industrial gas shear		P 114 平行夾 Parallel clip		P 194 氣動夾具 Pneumatic clamp		P 246 浮動打磨機 Floating sander		P 324 手動快換 Manual Quick change		P 388 EOAT氣剪組件 EOAT Gas shear assembly
	P 032 氣剪刀頭 Scissors blades		P 121 迷你氣缸 Mini cylinders		P 197 針式夾爪 OGR pin jaws		P 248 經濟型打磨工具 Economical grinding		P 334 機械手專用快換盤 Quick change plate for manipulator		P 400 碳纖維系列 Carbon fiber series
	P 038 智慧型氣剪 Smart gas shear		P 124 機械夾爪 Parallel grippers		P 202 通用懸件 Universal suspensions		P 253 工業級打磨工具 Industrial grade grinding		P 340 夾具定位器 Fixture locator		P 414 接頭 Connector
	P 082 加熱剪 Heating scissors		P 182 氣球夾 Balloon clip		P 204 真空行程氣缸 Vacuum stroke cylinder		P 259 浮動去毛刺工具 Floating burrs treatment		P 344 EOAT型材及固定件 EOAT Profiles and fixtures		P 432 終端盒子 Terminal box
	P 086 水口夾 Gripper series		P 187 彈性模塊 One finger elastic module		P 208 真空吸盤 Vacuum cups		P 264 協作機器人快換 Collaborative robot quick change		P 440 感應線 Sensing line		P 352 EOAT裝配組件 EOAT Assembly component
	P 111 老虎夾 Tiger clip		P 188 撥指 Pneumatic finger		P 226 海綿吸盤 Sponge vacuum cup		P 272 工業機器人快換 Industrial robot quick change		P 462 T型耦合器 T-coupler		P 380 EOAT吸盤連接組件 EOAT Suction cup connection assembly
					P 232 伸縮桿 Telescopic rod		P 314 機械手治具快換 Manipulator Gripper quick change		P 464 3D終端產品打印機 3D terminal product printer		

≡ 剪切系列

≡ 剪切系列

● NT系列 (本體)

NT概述:

軌道導軌式設計, 引拔動作導向精度高間隙小。
剪切動作時活塞不會突出剪切面, 方便安裝。
引拔動作雙作用氣缸設計動作速度可以調整, 動作穩定。

NT Overview:

Track guide rail design, high precision of lead-out action and small gap.
The piston will not protrude from the cutting surface during the cutting action, which is convenient for installation.
The designed action speed of the double-acting cylinder can be adjusted and the action is stable.

PAT (專利產品)

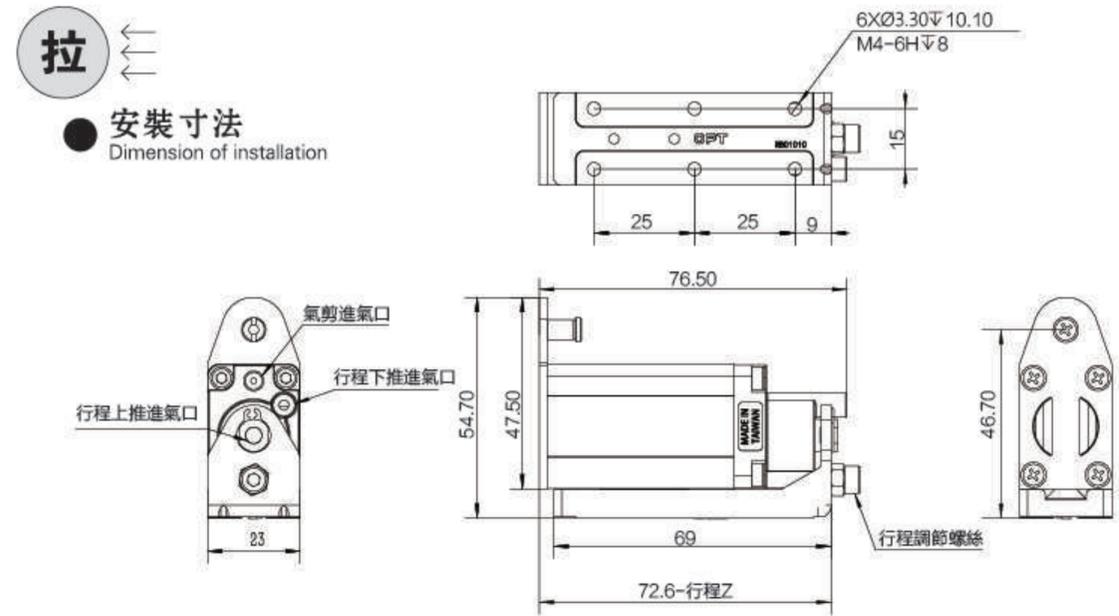
NEW



型號 Model	重量 Weight (g)	進氣口 Air inlet (mm)	氣體消耗量每回 Air wastage cycle /cm ²	使用氣壓 Operation pressure (kg/cm ²)	單價(元) Price (yuan)	適配刀頭 Suitable blades
NT-05	117	45	68	4-5		NY-05AJ, NY-5RAJ
NT-10	175	68	68	4-5		NY10AJ, NY10RAJ, NY10AJL, NY10RAJL, NY10E, NY10D, NY10AEG, NY10AEG, NY10AJT, NY10RAJT
NT-15	260	136	68	4-5		NY15AJ, NY15AJL, NY15RAJ, NY15RAJL, NY15AE, NY15AJT
NT-25	410	184	68	4-5		NY25AJ, NY25AJL, NY25RAJ, NY25RAJL, NY25AE

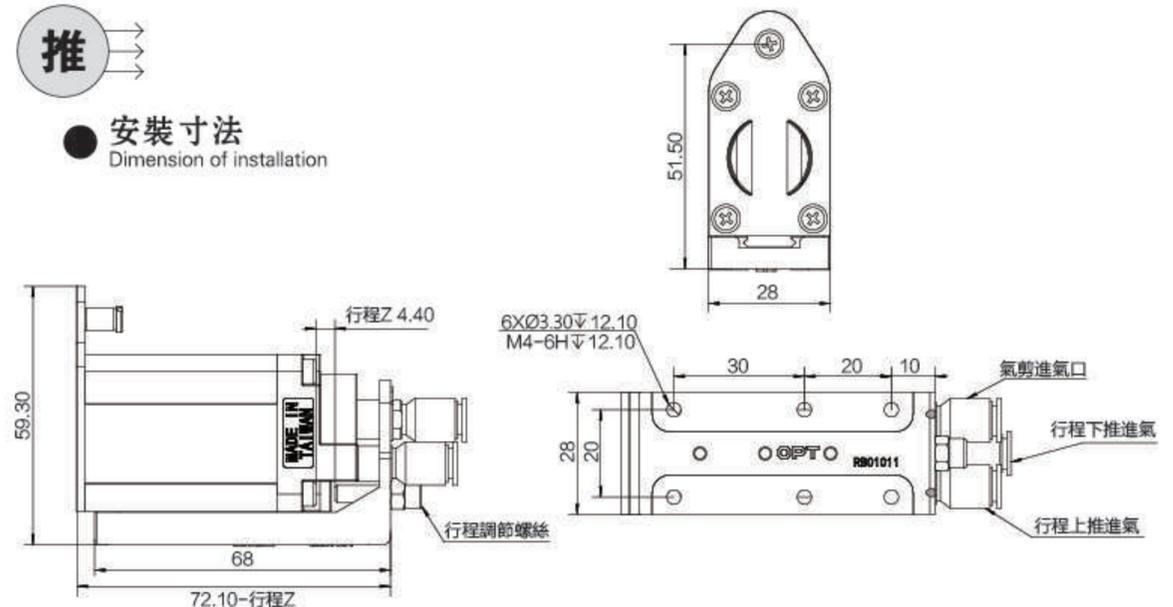
● NT系列 (本體) > NT-05

尺寸(mm) Dimensions (mm)



● NT系列 (本體) > NT-10

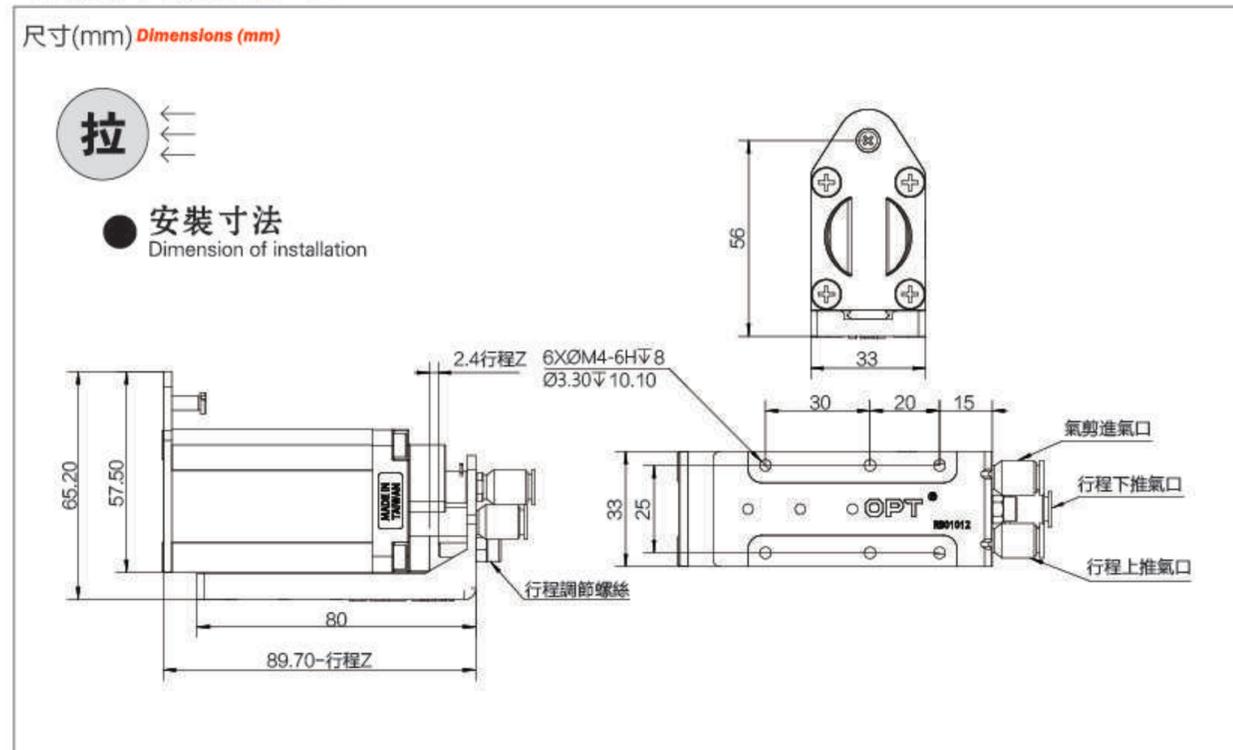
尺寸(mm) Dimensions (mm)



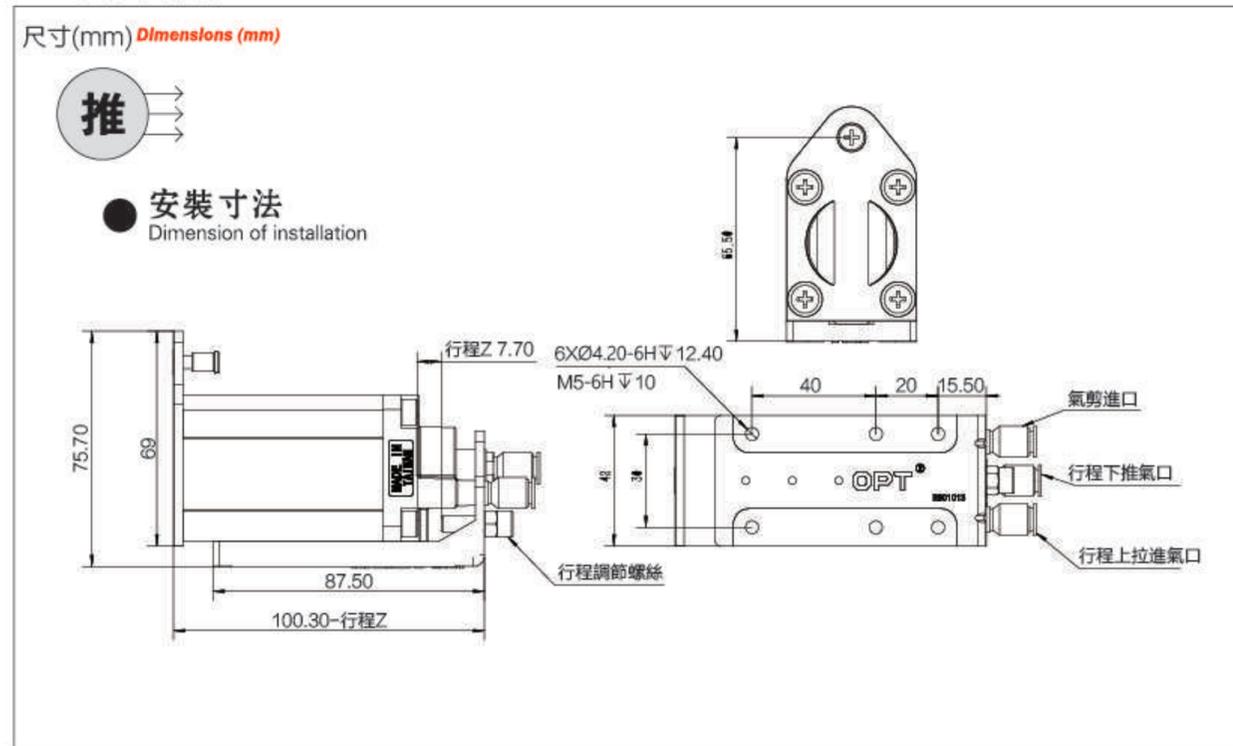
≡ 剪切系列

≡ 剪切系列

● NT系列 (本體) > NT-15



● NT系列 (本體) > NT-25



● NL系列 (本體)

NL概述:

位移設計, 刃口開度可調, 剪切更緊貼產品, 剪切精度更高, 效果更好。
滑軌行程雙向可調節設計, 定位調試方便。
可選配型號確認功能, 實現智能檢測剪切。

NL Overview:

Displacement design, adjustable blade edge opening angle, more closer to the product, better cutting precision and better effect.
Two-way adjustable design of slide rail stroke, convenient for positioning and debugging.
Optional model and function confirmation for intelligent detection and cutting.

工業級
Industrial grade

PAT (專利產品)



NL-25



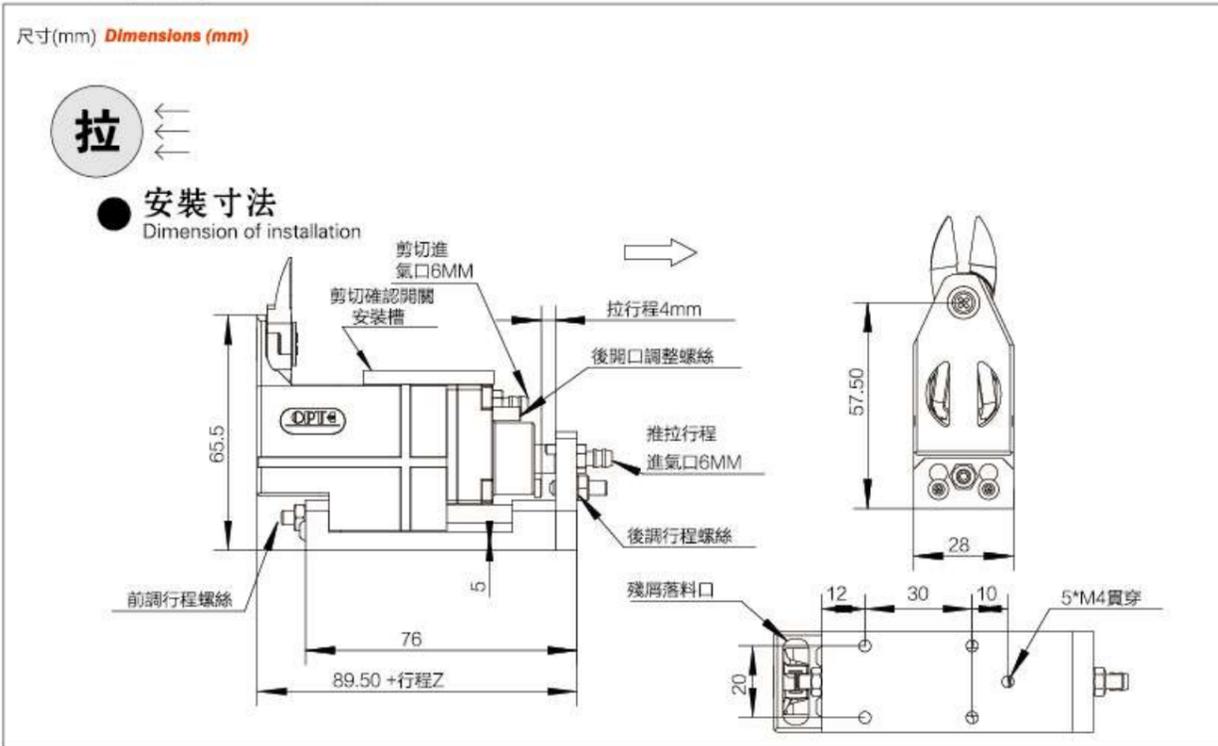
NL-15



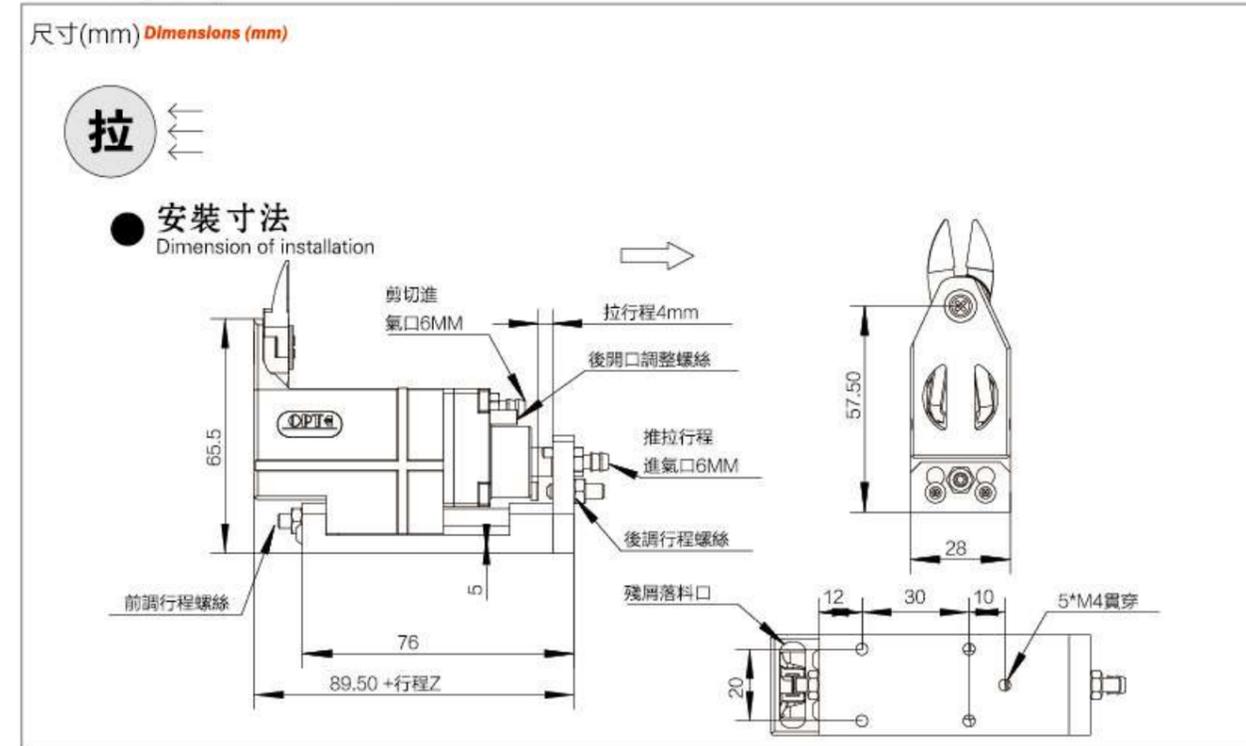
NL-10

型號 Model	重量 Weight (g)	進氣口 Air inlet (mm)	氣體消耗量每回 Air wastage cycle / cm ²	使用氣壓 Operation pressure (kg/cm ²)	單價(元) Price (yuan)	適配刀頭 Suitable blades
NL-10A	234	4	68	4-5		NY10AJ,NY10AJL,NY10AE,NY10AJT,NY10AD,NY10AH,NY10AEG,NY10A EGL
NL-10AR	234	4	68	4-5		NY10RAJ,NY10RAJL,NY10AE,NY10AJT,NY10AD,NY10AH,NY10AEG,NY10A EGL
NL-10B	228	4	68	4-5		NY10AJ,NY10AJL,NY10AE,NY10AJT,NY10AD,NY10AH,NY10AEG,NY10A EGL
NL-10BR	228	4	68	4-5		NY10RAJ,NY10RAJL,NY10AE,NY10AJT,NY10AD,NY10AH,NY10AEG,NY10A EGL
NL-15A	302	6	136	4-5		NY15AJ,NY15AJL,NY15AJT,NY15AE,NY15AH
NL-15AR	302	6	136	4-5		NY15RAJ,NY15RAJL,NY15RAJT,NY15AE,NY15RAH
NL-15B	296	6	136	4-5		NY15AJ,NY15AJL,NY15AJT,NY15AE,NY15AH
NL-15BR	296	6	136	4-5		NY15RAJ,NY15RAJL,NY15RAJT,NY15AE,NY15RAH
NL-25A	432	6	184	4-5		NY25AJ,NY25AJL,NY25AE
NL-25AR	432	6	184	4-5		NY25RAJ,NY25RAJL,NY25AE
NL-25B	426	6	184	4-5		NY25AJ,NY25AJL,NY25AE
NL-25BR	426	6	184	4-5		NY25RAJ,NY25RAJL,NY25AE

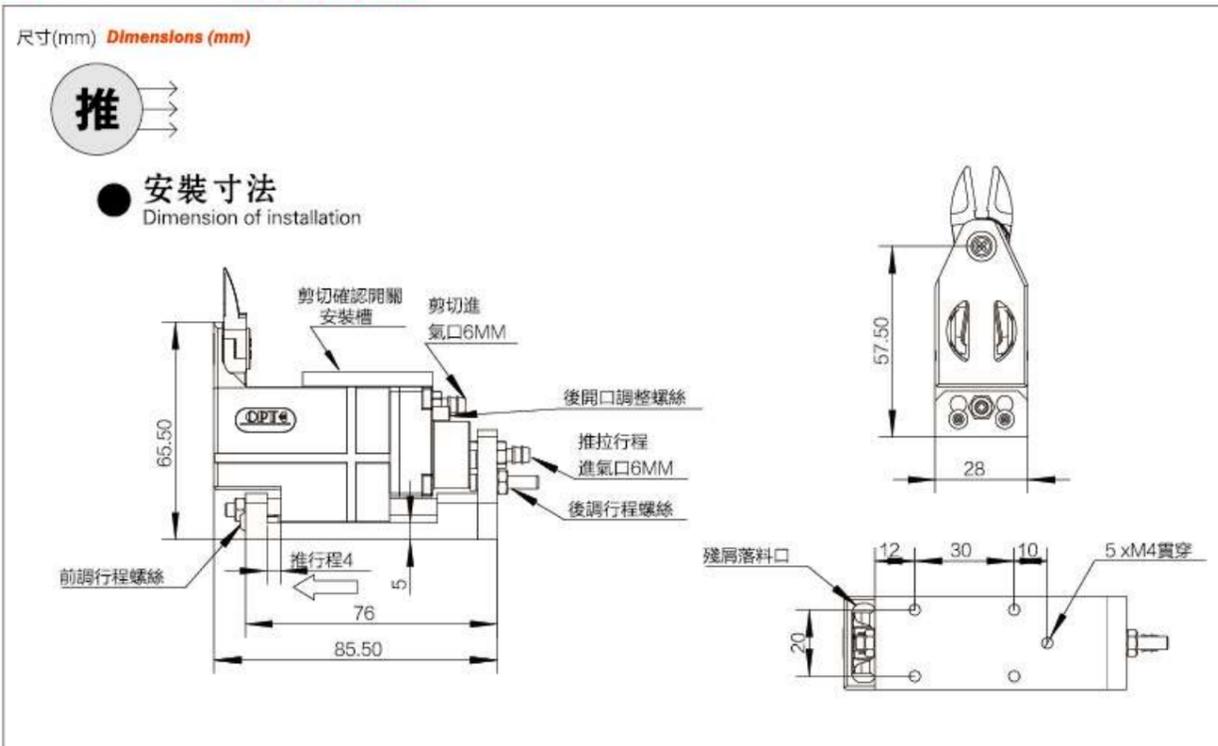
● NL系列 (本體) > NL-10A 正刀



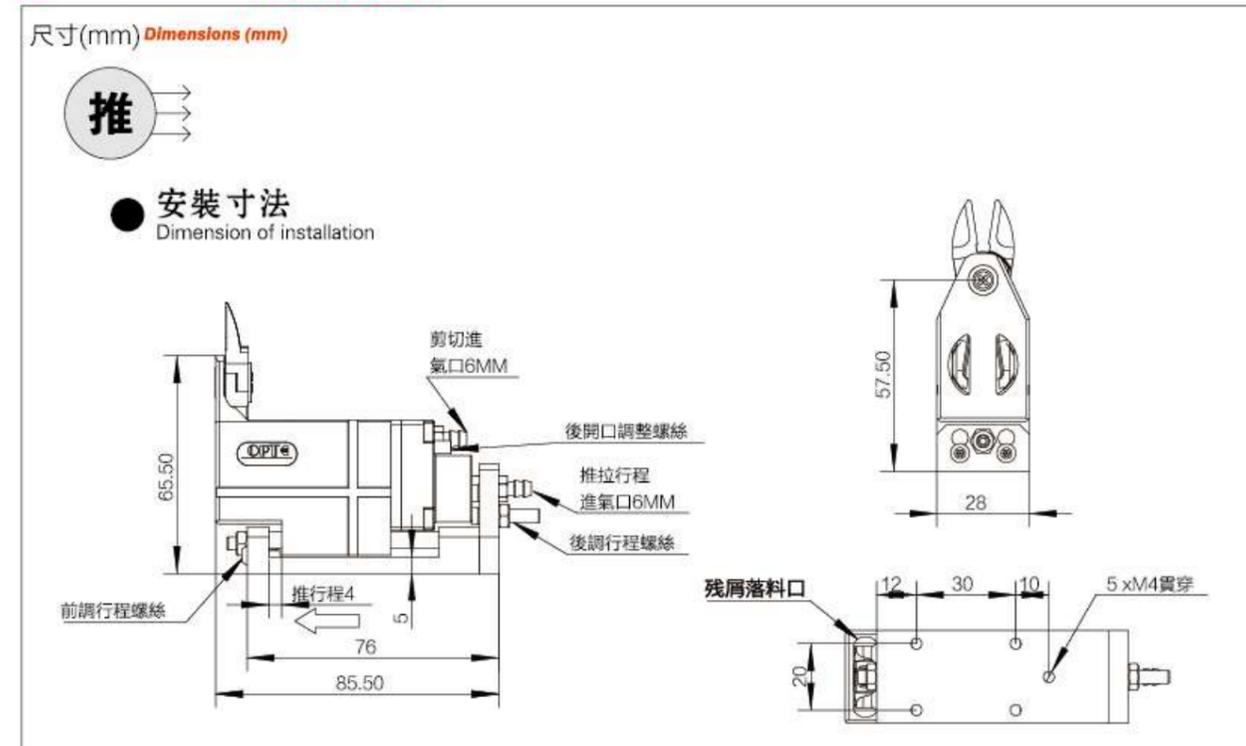
● NL系列 (本體) > NL-10B 正刀



● NL系列 (本體) > NL-10AR 反刀



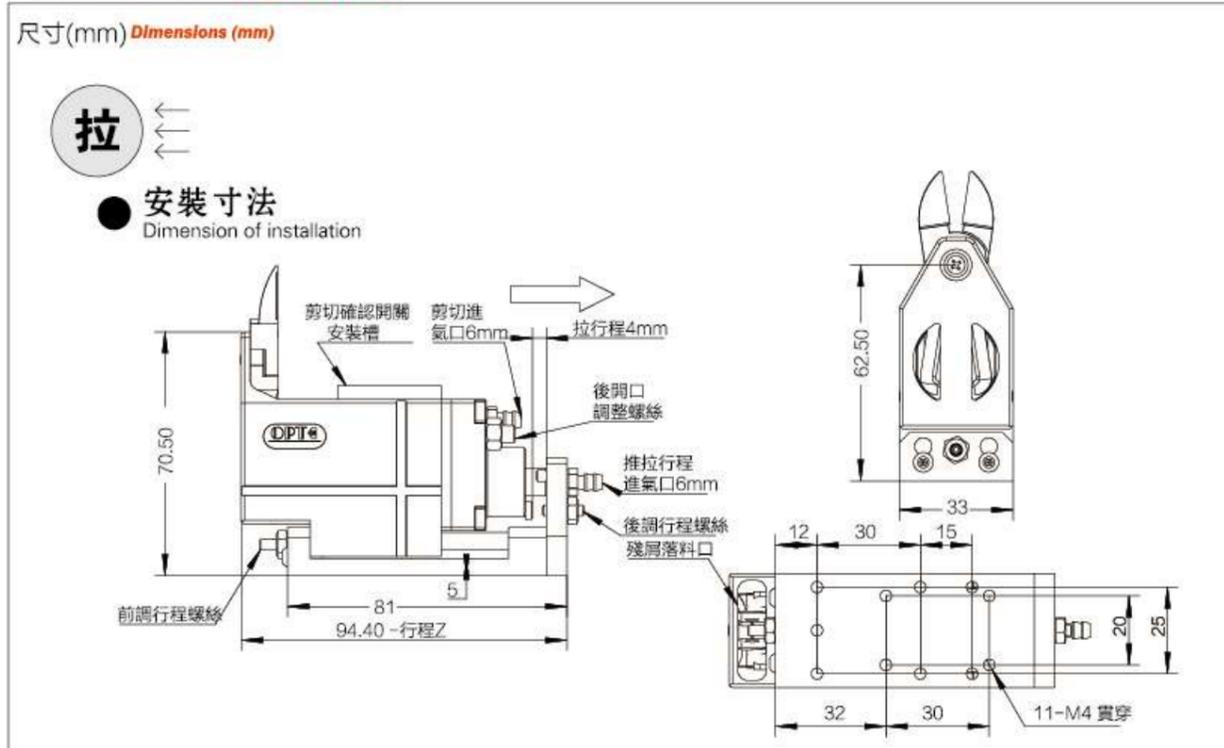
● NL系列 (本體) > NL-10BR 反刀



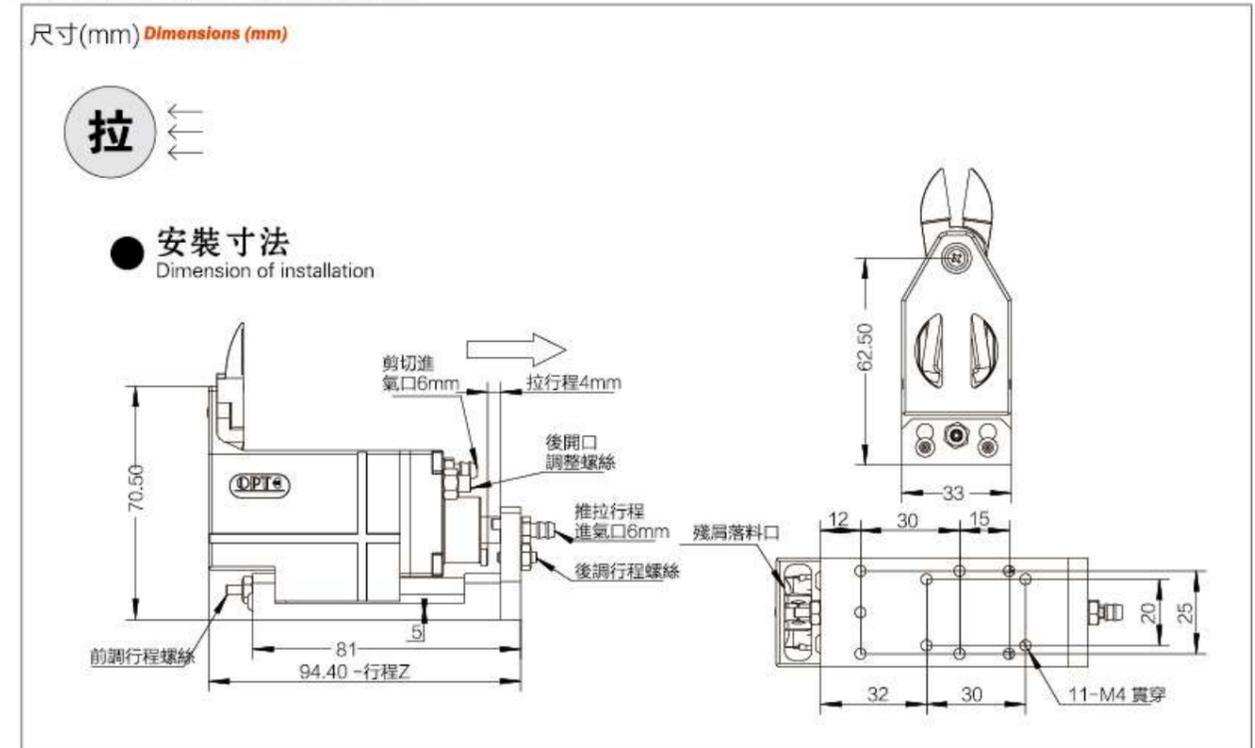
≡ 剪切系列

≡ 剪切系列

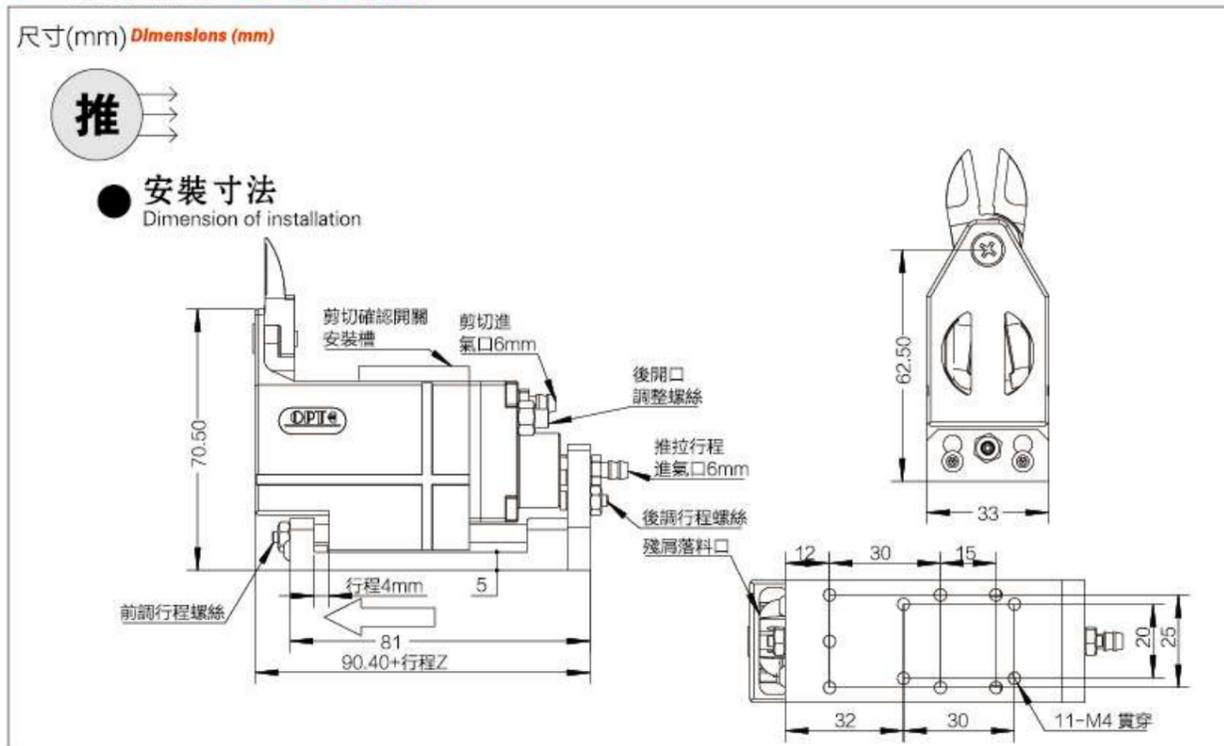
● NL系列 (本體) > NL-15A 正刀



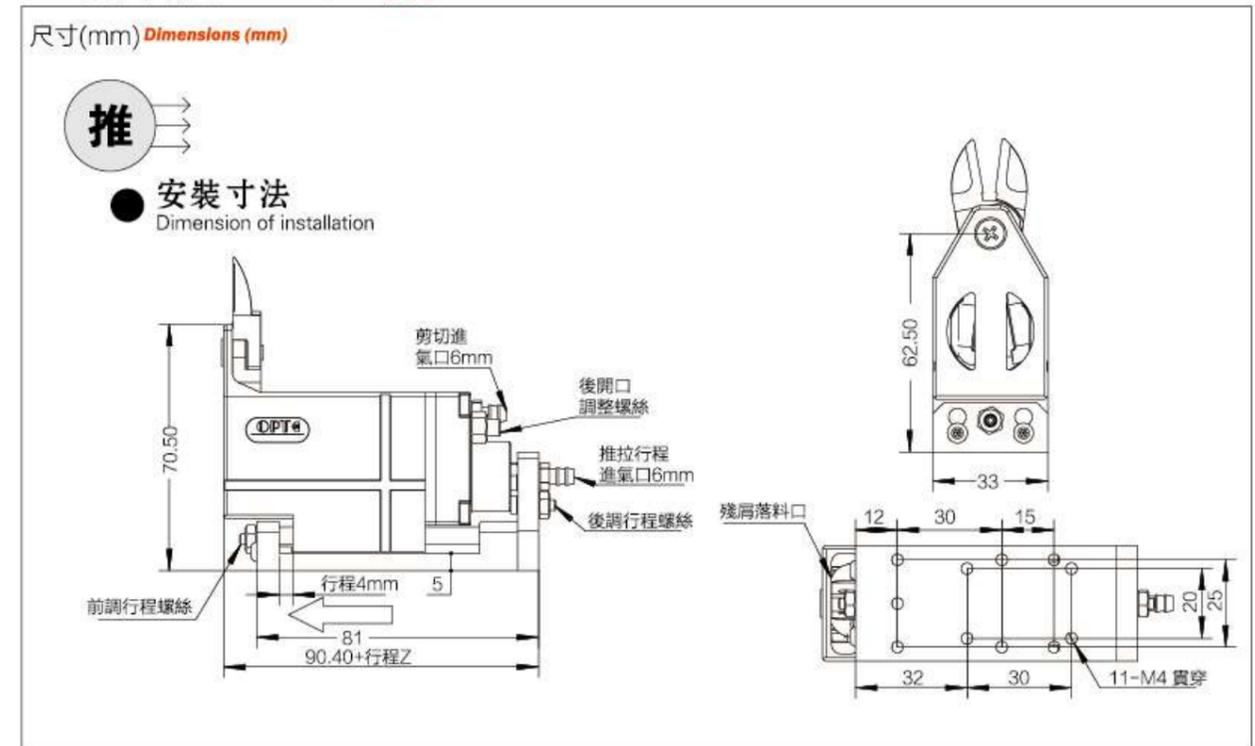
● NL系列 (本體) > NL-15B 正刀



● NL系列 (本體) > NL-15AR 反刀



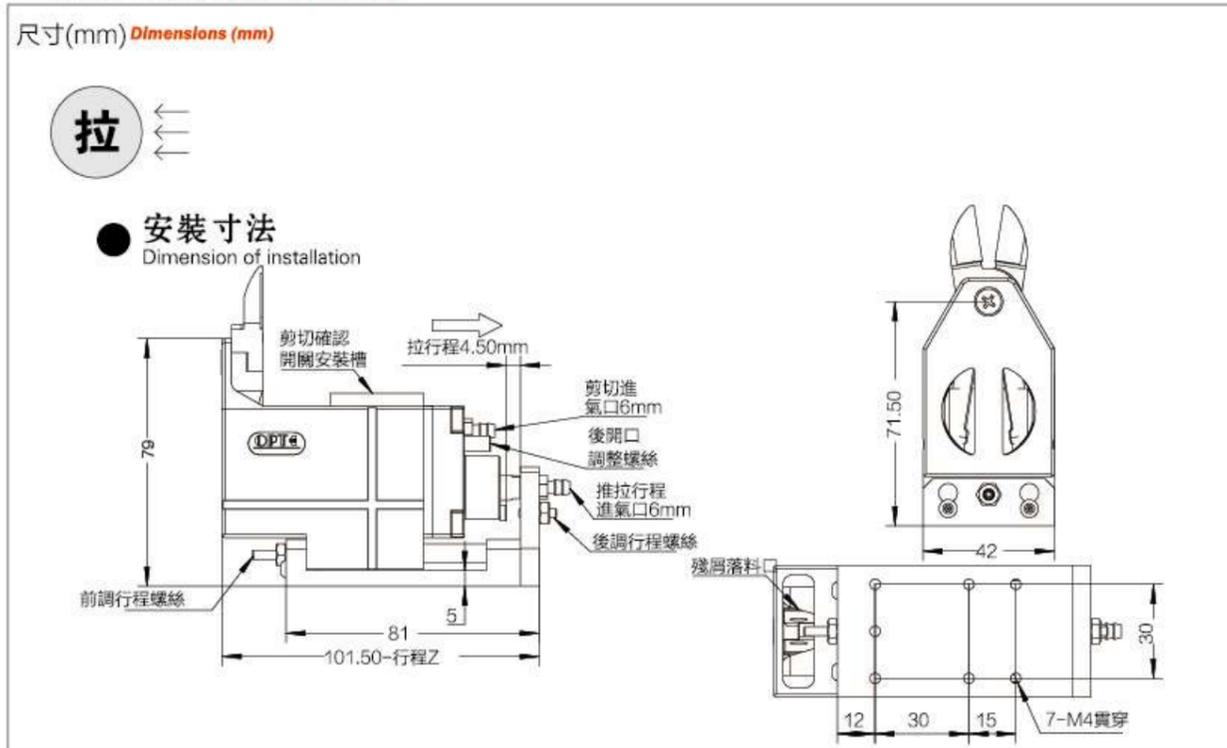
● NL系列 (本體) > NL-15BR 反刀



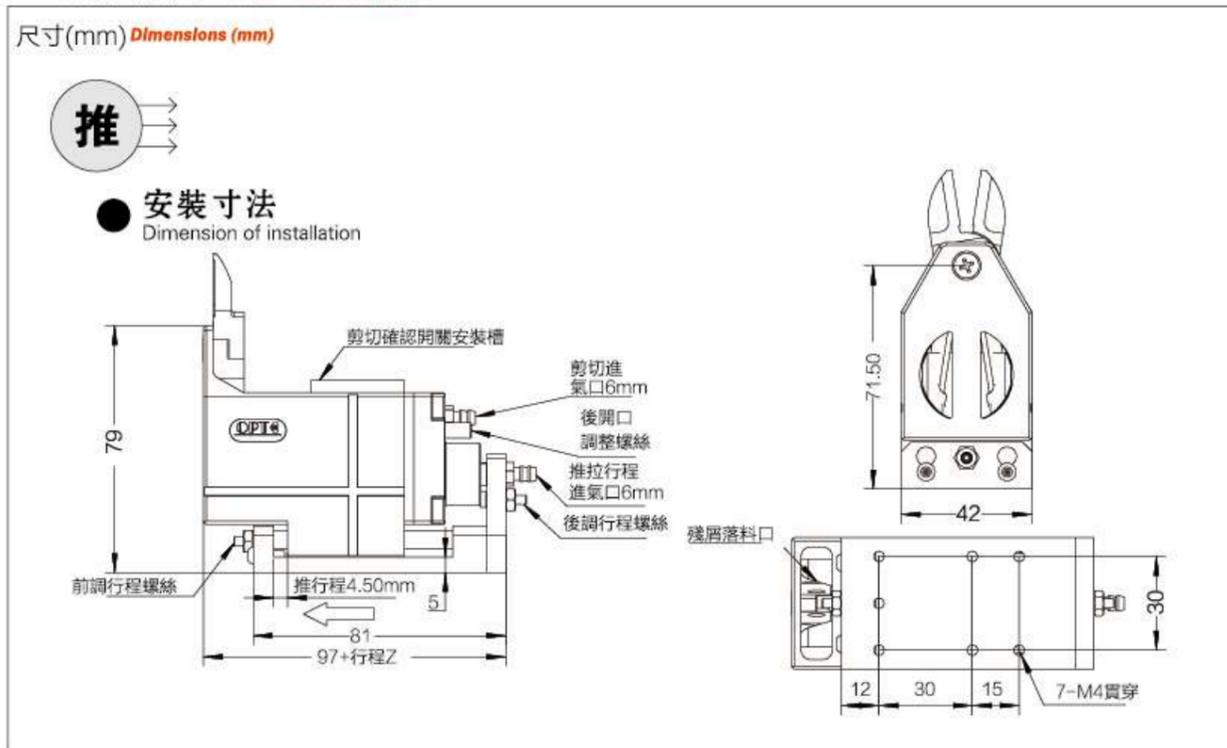
≡ 剪切系列

≡ 剪切系列

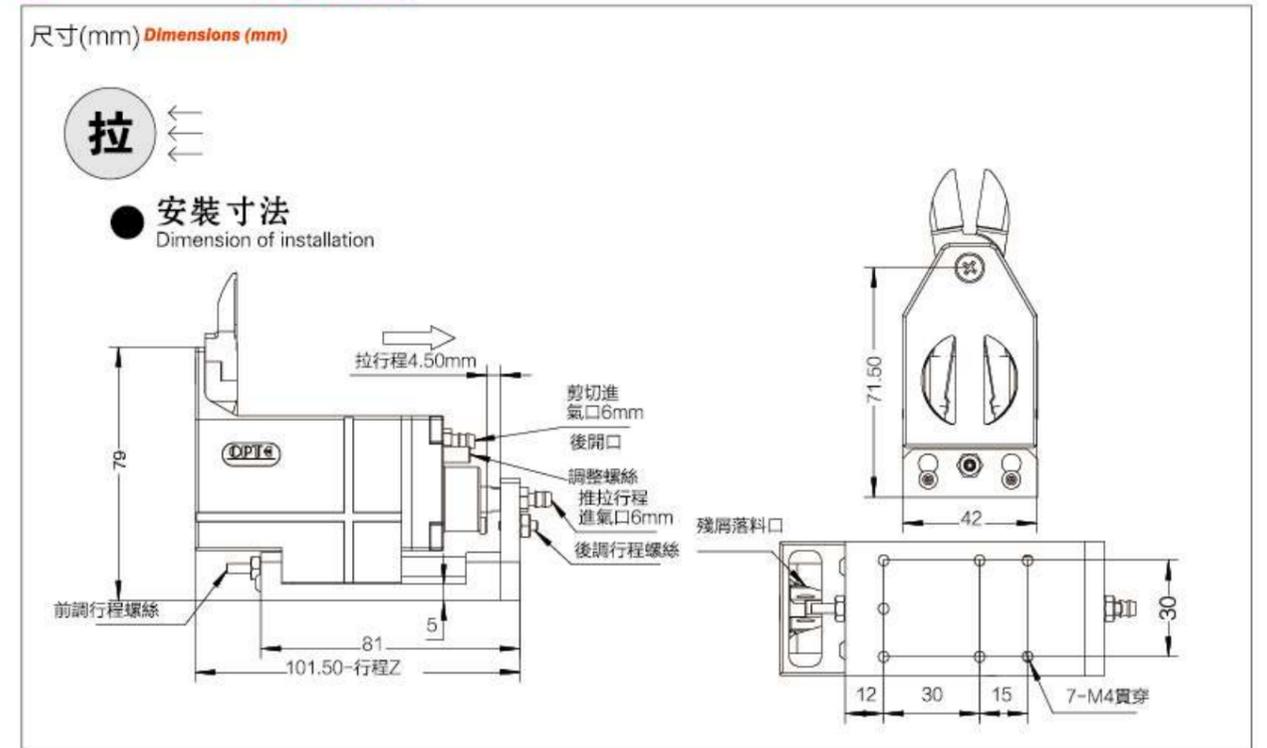
● NL系列 (本體) > NL-25A 正刀



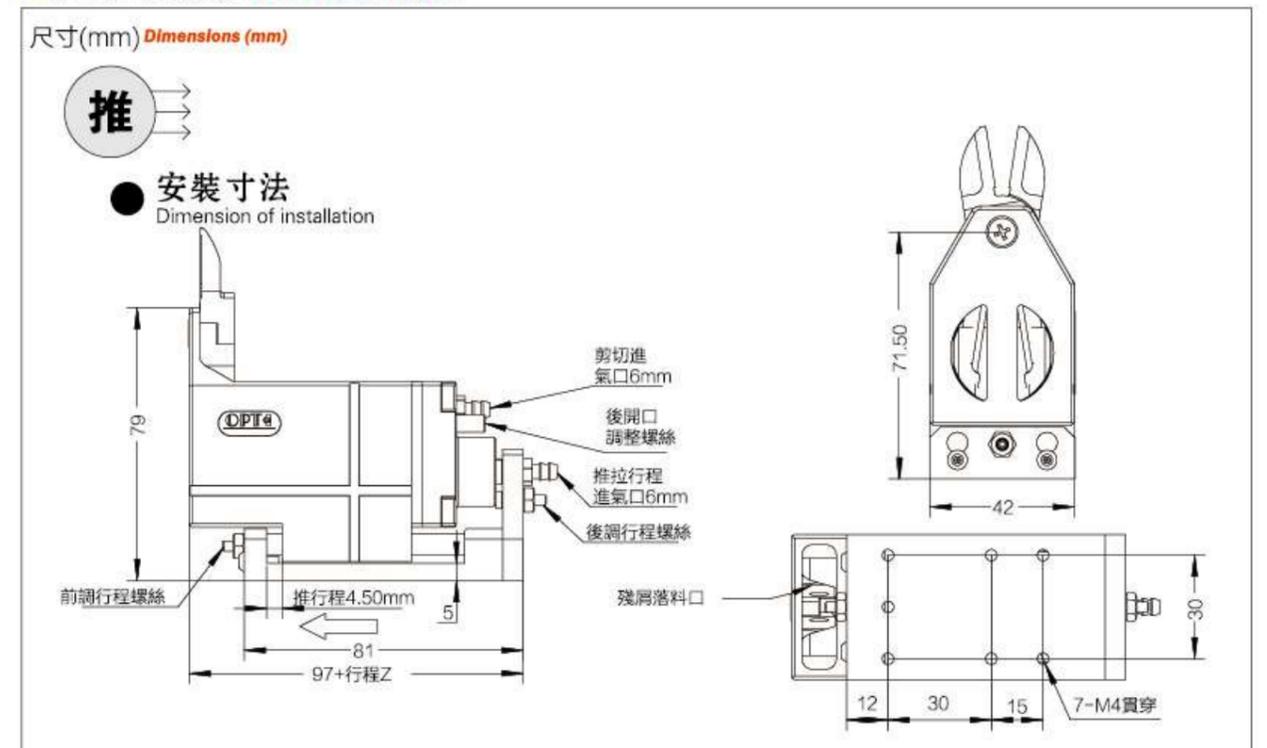
● NL系列 (本體) > NL-25AR 反刀



● NL系列 (本體) > NL-25B 正刀



● NL系列 (本體) > NL-25BR 反刀



≡ 剪切系列

剪切系列 ≡

● NL系列 (適配刀頭)

圓頭平嘴鉗
Long angle blade

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AJ & NY10RAJ	3.5mm	2.3mm	NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

加長平嘴鉗
Long flat blade for cutting

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AJL & NY10RAJL	3.5mm	2.3mm	NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
End cutting flat blade for cutting

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AE	3.5mm	2.3mm	NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NL系列 (適配刀頭)

圓頭平嘴鉗 (薄刀)
FLAT THIN EDGED BLADE

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AJT & NY10RAJT	3.5mm	2.3mm	NT-10 NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

平嘴鉗
Flat nose pliers

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AD & NY10RAD	3.5mm	2.3mm	NT-10 NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

L形平嘴鉗
L type flat blade for cutting

NY-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質 / Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 / Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AH & NY10RAH	3.5mm	2.3mm	NT-10 NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● NL系列 (適配刀頭)

加厚加寬平嘴鉗
Thickened widened flat nose pliers

NY-10

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AEG	3.5mm	2.3mm	NT-10 NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

加長加寬平嘴鉗
Lengthening and widening flat nose pliers

NY-10

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY10AEG	3.5mm	2.3mm	NT-10 NL-10A/10AR/10B/10BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗
Flat blade

NY-15

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15AJ & NY15RAJ	4.0mm	2.6mm	NT-15 NL-15A/15AR/15B/15BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● NL系列 (適配刀頭)

圓頭平嘴鉗(加長)
Thin knife Flat blade (Long)

NY-15

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15AJL & NY15RAJL	4.0mm	2.6mm	NT-15 NL-15A/15AR/15B/15BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗(薄刀)
Thin knife Flat blade

NY-15

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15AJT & NY15RAJT	4.0mm	2.6mm	NT-15 NL-15A/15AR/15B/15BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
End cutting flat blade for cutting

NY-15

塑膠
Plastic

● 切斷能力 (C MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15AE	4.0mm	2.6mm	NT-15 NL-15A/15AR/15B/15BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NL系列 (適配刀頭)

L形平嘴鉗
L type flat blade for cutting

NY-15

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氫酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15AH	4.0mm	2.6mm	NY-15	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

L形平嘴鉗
L type flat blade for cutting

NY-15

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氫酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY15RAH	4.0mm	2.6mm	NY-15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗
Long angle blade

NY-25

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氫酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY25AJ & NY25RAJ	5.0mm	3.4mm	NT-25 NL-25A/25AR/25B/25BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NL系列 (適配刀頭)

加長平嘴鉗
Long flat blade for cutting

NY-25

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氫酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY25AJL & NY25RAJL	5.0mm	3.4mm	NT-25 NL-25A/25AR/25B/25BR	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
Top cut flat nose pliers

NY-25

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氫酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
NY25AE	5.0mm	3.4mm	NT-25 NL-25A/25AR/25B/25BR	

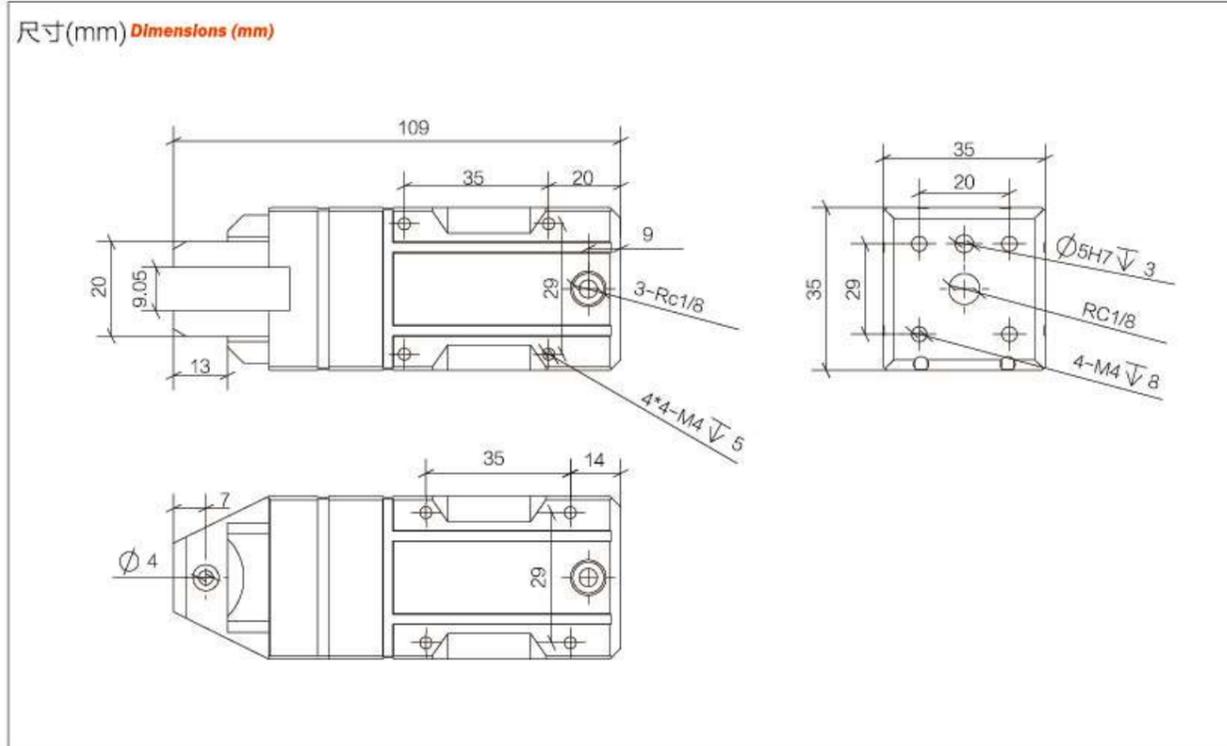
⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

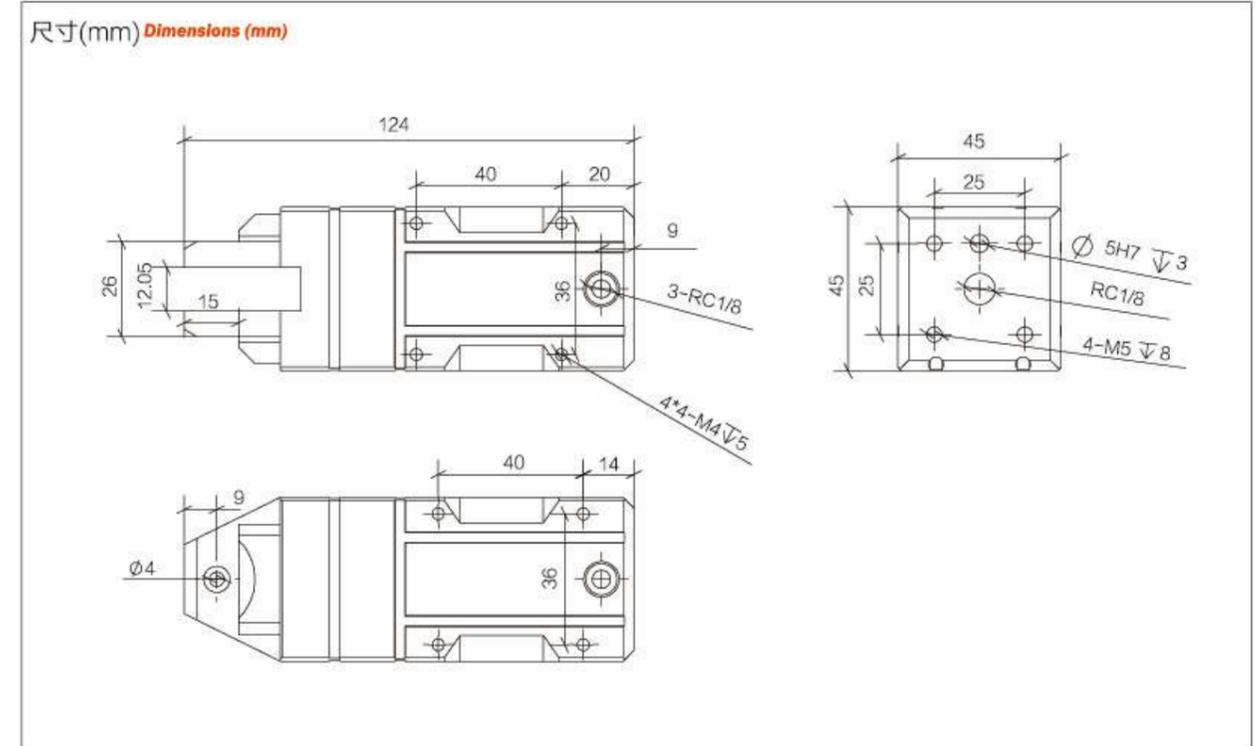
≡ 剪切系列

≡ 剪切系列

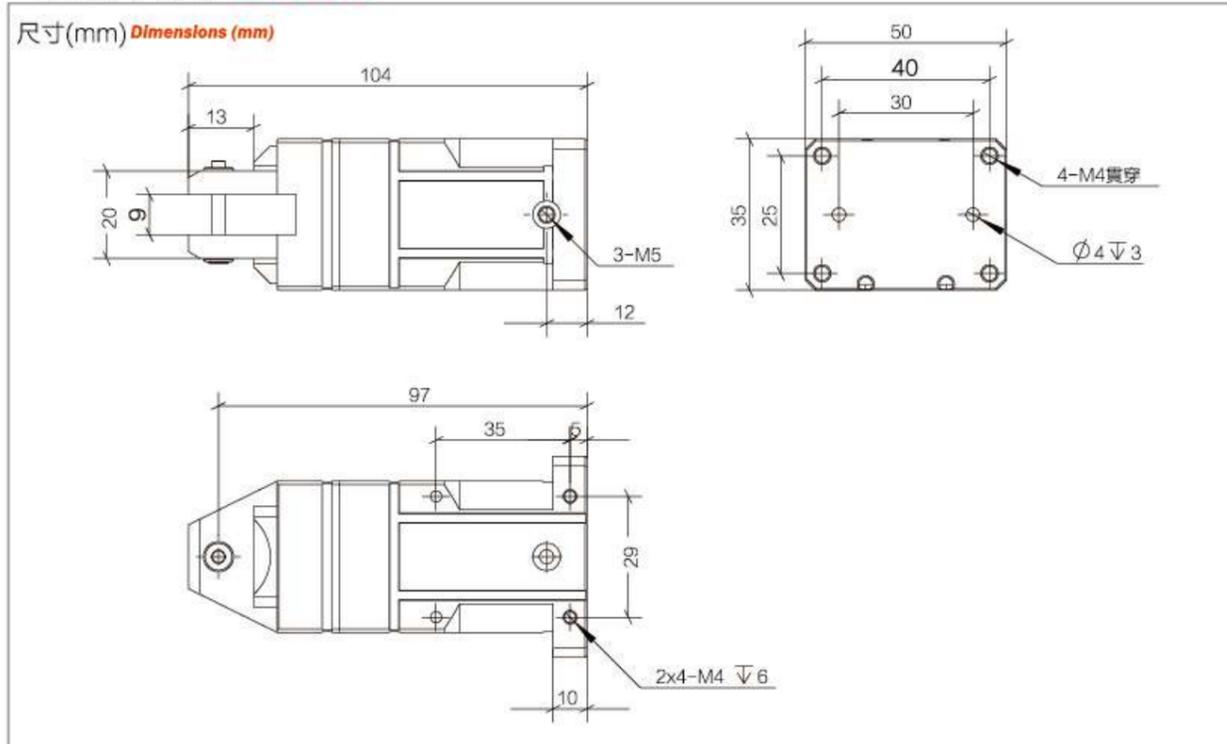
● NF系列 (本體) > NF-210DT



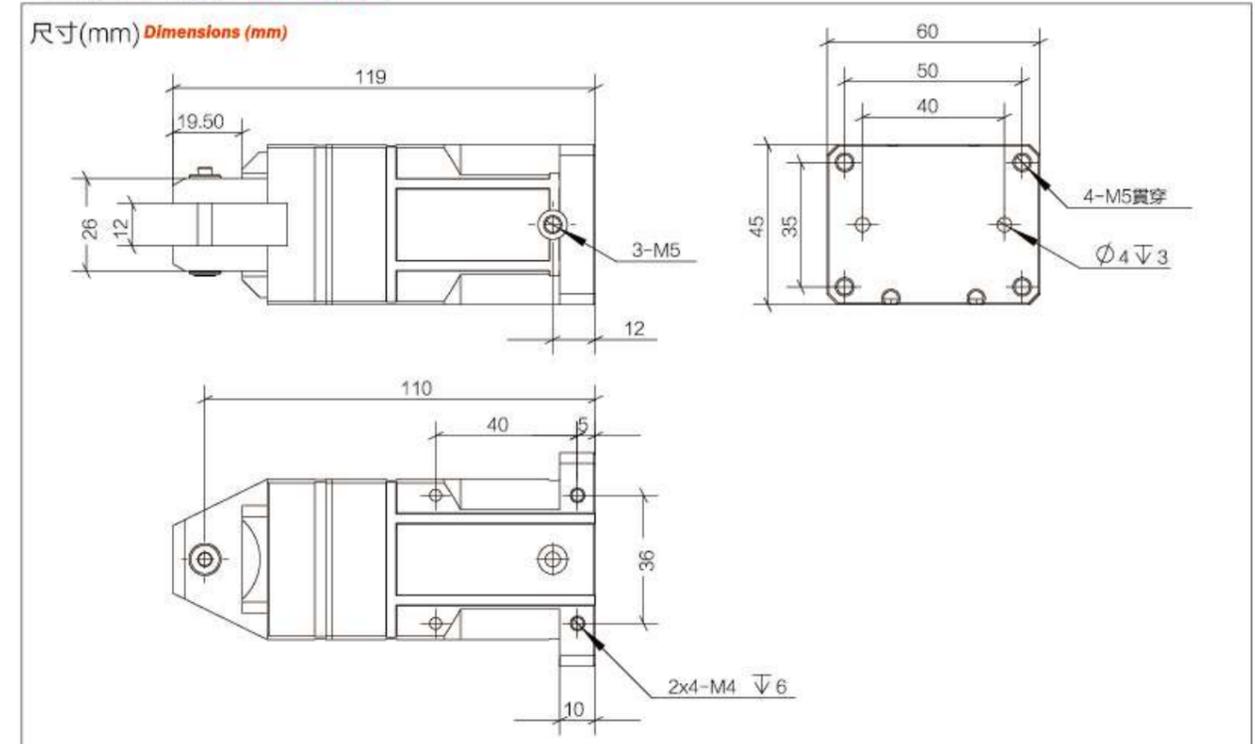
● NF系列 (本體) > NF-220DT



● NF系列 (本體) > NF-210FT



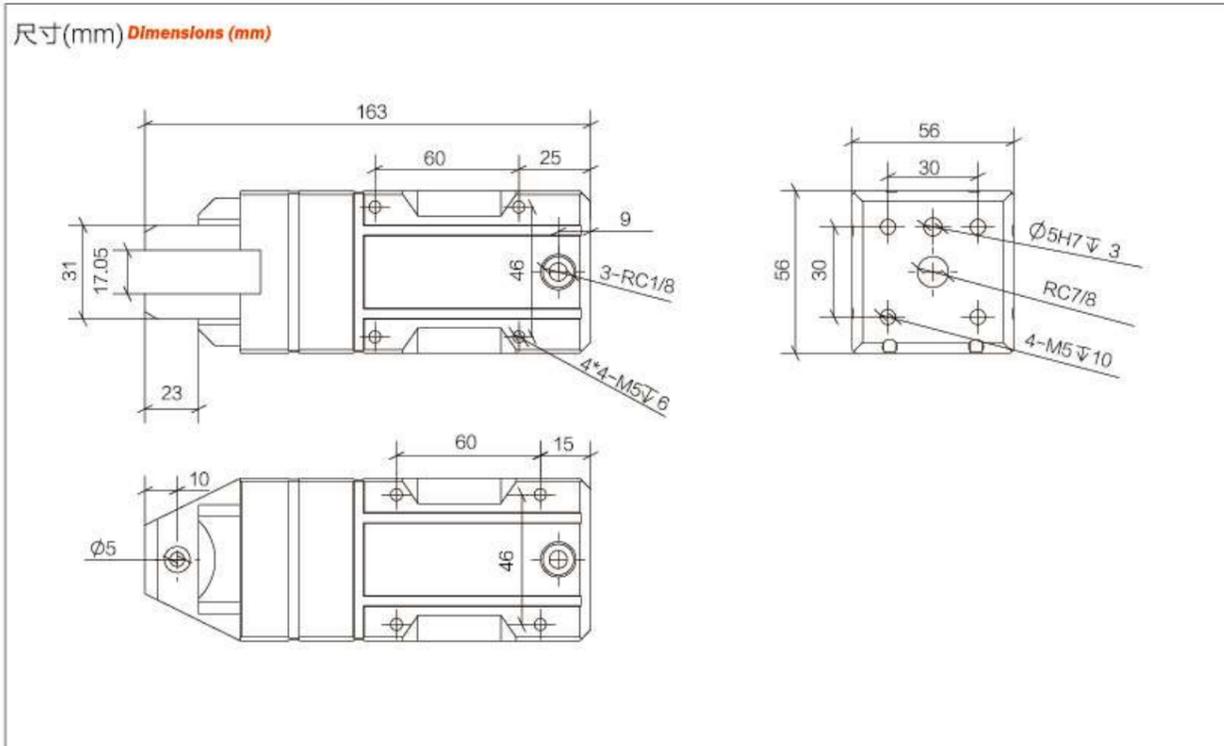
● NF系列 (本體) > NF-220FT



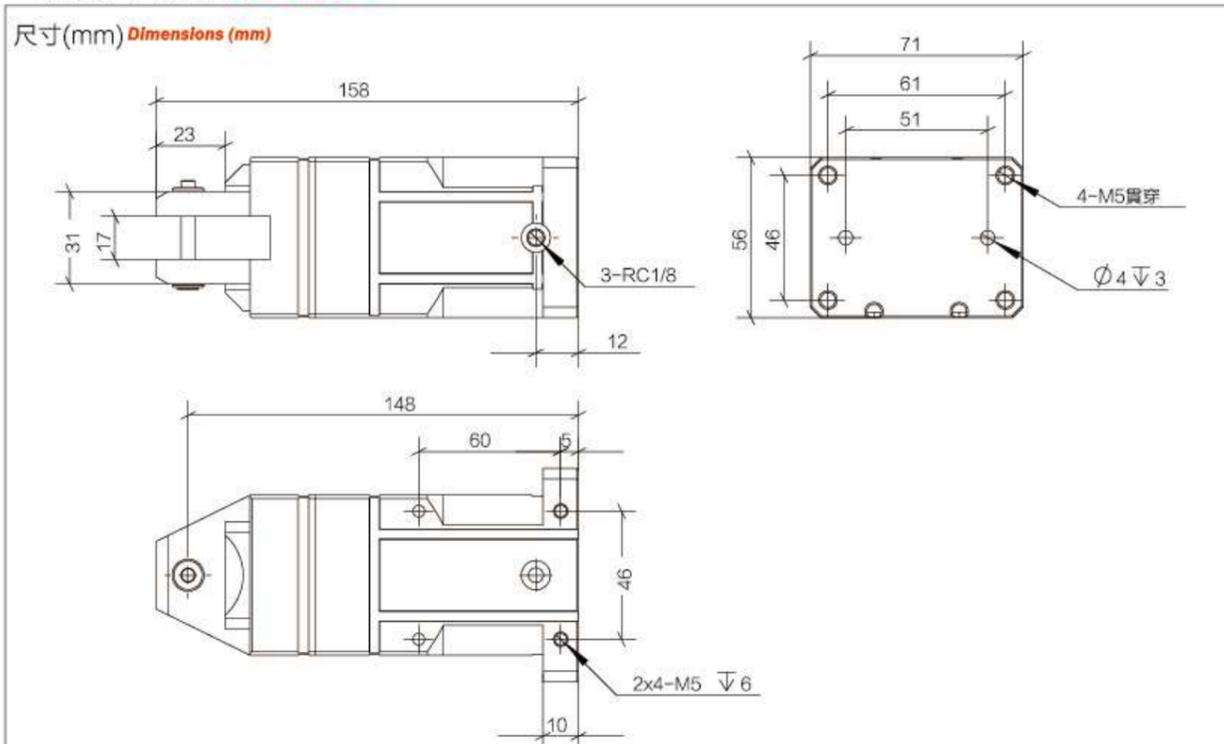
≡ 剪切系列

≡ 剪切系列

● NF系列 (本體) > NF-230DT



● NF系列 (本體) > NF-230FT



● SG系列 (本體)

SG概述:

信號反饋設計, 自動檢測水口剪切作業, 杜絕漏剪失誤
圓形缸體設計, 調整角度方便, 重量更輕便。

SG Overview:

Signal feedback design, automatic detection of nozzle cutting operation, to prevent omissive cutting.
Round cylinder design, easy to adjust angle and have lighter weight.

智慧型(機器人專用)
Intelligent (for robots)



SG-10DA

SG-20DA

SG-30DA

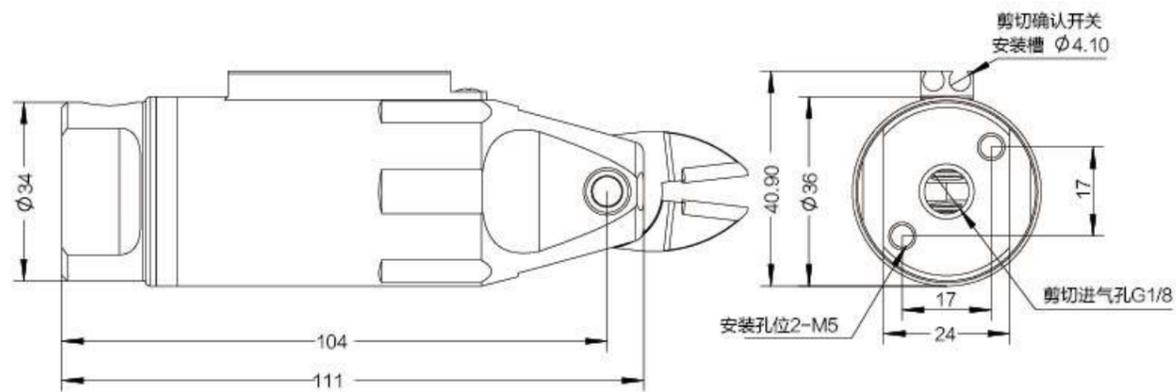
型號 Model	重量 Weight (g)	進氣口 Air Inlet (mm)	氣體消耗量每回 Air wastage cycle /cm ²	使用氣壓 Operation pressure (kg/cm ²)	單價(元) Price (yuan)	適配刀頭 Suitable blades
SG-10DA		6	116	4-5		F3,FD3,F3S,F3CT,F3CTL,F3LS,F3LA,F3AML,F3AMR
SG-20DA		8	230	5-6		F5,FD5,F5S,F5CT,F5LS,FD2504,F2504S,F5LW,F5LWR,F5LA,F5LB,F5LC,F5LD,F5LT,F5AML,F5AMR,F5LWD,F5CTL,F5CTLG
SG-30DA		8	584	5-6		F9P,F9PB,F9PC,F9AMR,F9AML,F9ATG,F9LTC,F9LTD,FD9P,F9PS,F9CT,F9CTL,F9LW,F9LWR

≡ 剪切系列

≡ 剪切系列

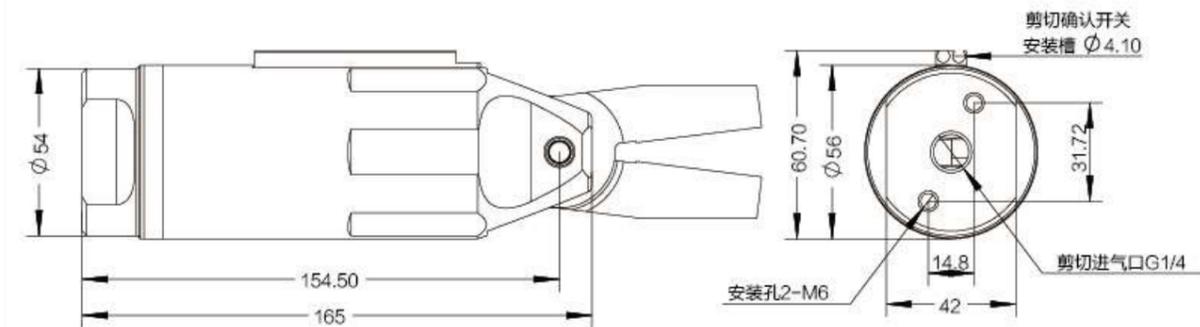
● SG系列 (本體) > SG-10DA

尺寸(mm) Dimensions (mm)



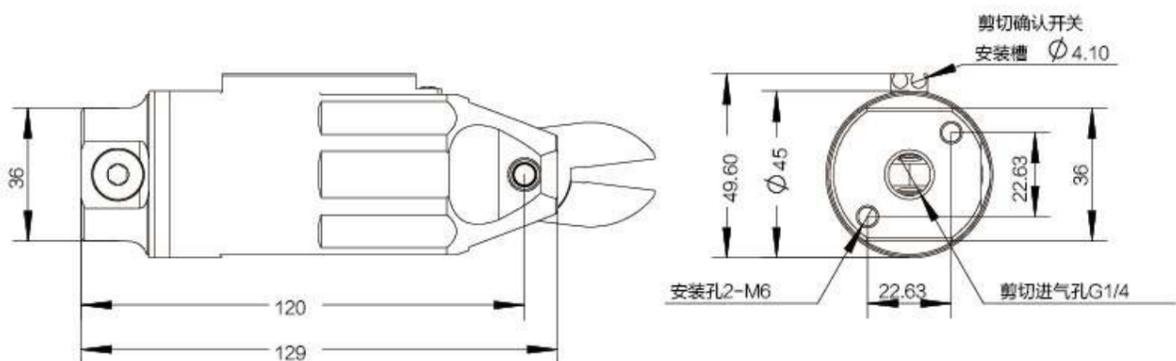
● SG系列 (本體) > SG-30DA

尺寸(mm) Dimensions (mm)



● 系列 (本體) > SG-20DA

尺寸(mm) Dimensions (mm)



NOTES

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口圓頭平嘴鉗
Round head flat blade for cutting plastic gate

5系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F1	2.6mm	2.0mm	NF-205DT/FT	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭平嘴鉗
Flat blade for cutting plastic gate

5系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F1S	2.6mm	2.0mm	NF-205DT/FT	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NF系列 (適配刀頭)

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
FD3	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭平嘴鉗
Round head flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3S	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口頂切平嘴鉗
End cutting flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3CT	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口頂切平嘴鉗 (加長)
Round head flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3CTL	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭平嘴鉗(加長)
Plastic nozzle round head flat nose pliers (lengthened)

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3LS	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Plastic nozzle round head diagonal pliers

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3LA	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NF系列 (適配刀頭)

塑膠水口平嘴鉗(左拐彎)
L type flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3AML	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口平嘴鉗(右拐彎)
R type flat blade for cutting plastic gate

10系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F3AMR	4.0mm	2.6mm	NF-210DT/FT/SG-10DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氟酯等.	(硬質 /Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

● NF系列 (適配刀頭)

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
FD5	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口加長平嘴鉗
Long flat blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LS	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭平嘴鉗
Angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5S	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting injection gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
FD2504	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口頂切平嘴鉗
End cutting flat blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5CT	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting injection gate

20系列

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氣脂等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F2504	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口圓頭平嘴鉗
Flat blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F2504S	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口L形直角鉗
L type right angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LW	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口L形直角鉗
L type right angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LWR	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NF系列 (適配刀頭)

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LA	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LB	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

20系列

塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT 聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5LC	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口頂切平嘴鉗 (加厚)
Upset end cutting flat blade for cutting plastic gate

20系列

塑膠
Plastic



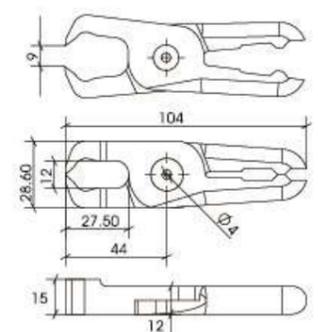
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F5CTLG	7.0mm	5.0mm	NF-220DT/FT/SG-20DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



塑膠水口斜嘴鉗
Angle blade for cutting plastic gate

30系列

塑膠
Plastic



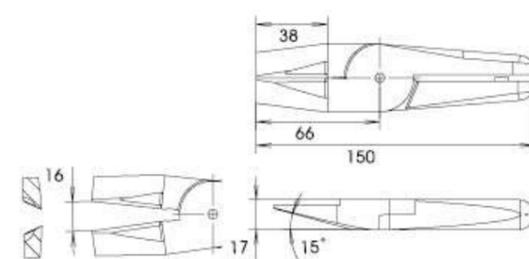
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9P	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



塑膠水口斜嘴鉗
Angle blade for cutting plastic gate

30系列

塑膠
Plastic



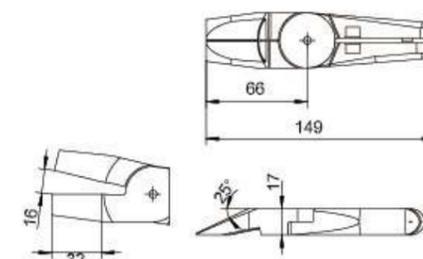
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9PB	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



● NF系列 (適配刀頭)

塑膠水口斜嘴鉗
Angle blade for cutting plastic gate

30系列

塑膠
Plastic



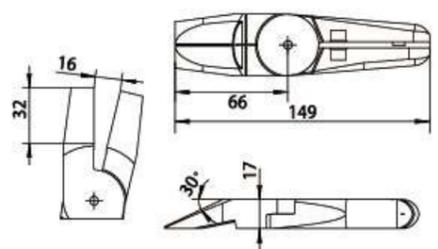
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9PC	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



塑膠水口平嘴鉗(右拐彎)
R type flat blade for cutting plastic gate

30系列

塑膠
Plastic



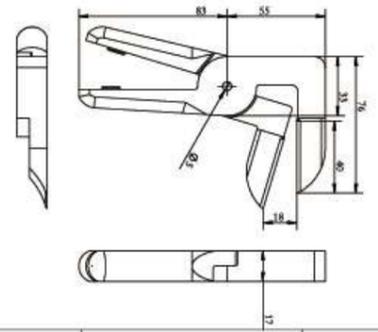
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9AMR	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



塑膠水口平嘴鉗(左拐彎)
L type flat blade for cutting plastic gate

30系列

塑膠
Plastic



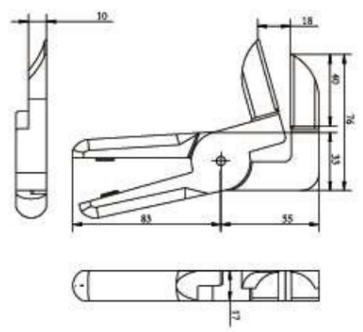
● 切斷能力 (∅ MM)
Cutting off effect



型號 Model	(軟質/Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質/Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9AML	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only



≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口頂切平嘴鉗
Plastic nozzle top cut flat nose pliers

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9ATG	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9LTC	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口圓頭斜嘴鉗
Angle blade for cutting plastic gate

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9LTD	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

● NF系列 (適配刀頭)

塑膠水口平嘴鉗
Flat blade for cutting plastic gate

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
FD9P	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口平嘴鉗
Flat blade for cutting plastic gate

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9PS	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口頂切平嘴鉗
End cutting blade for cutting plastic gate

30系列
塑膠
Plastic

● 切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氣酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9CT	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

≡ 剪切系列

● NF系列 (適配刀頭)

塑膠水口加長頂切平嘴鉗
Long end cutting flat blade for cutting plastic gate

30系列
塑膠
Plastic

切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 /Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9CTL	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口L形直角鉗
L type right angle blade for cutting plastic gate

30系列
塑膠
Plastic

切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 /Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9LW	10.0mm	6.5mm	MS/MP/NS/TS-30	

請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

塑膠水口L形直角鉗
L type right angle blade for cutting plastic gate

30系列
塑膠
Plastic

切斷能力 (∅MM)
Cutting off effect

型號 Model	(軟質 /Soft) PP, PE, PS, PVC, ABS, PMMA, ASTFT 聚氨酯等.	(硬質 /Hard) PPS, PA, PBT, LCT, POM, PC, 添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
F9LWR	10.0mm	6.5mm	NF-230DT/FT/SG-30DA	

請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

NOTES

≡ 剪切系列

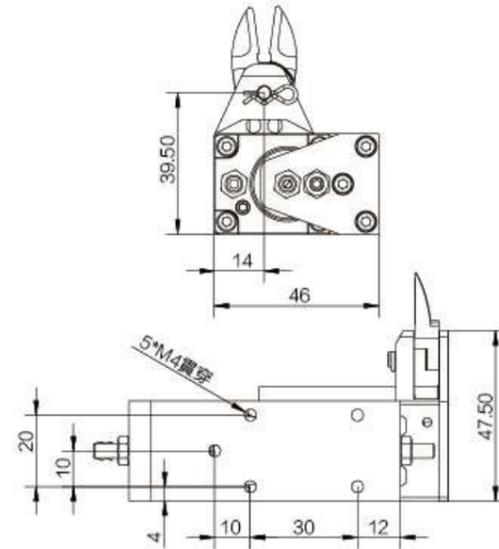
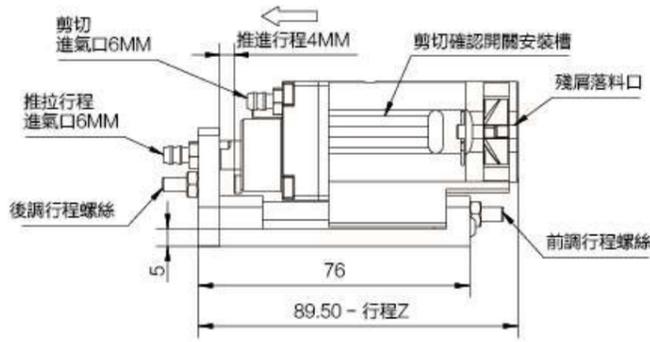
≡ 剪切系列

● SL系列 (本體) > SL-10LC

尺寸(mm) Dimensions (mm)

拉 ←

● 安裝寸法
Dimension of installation

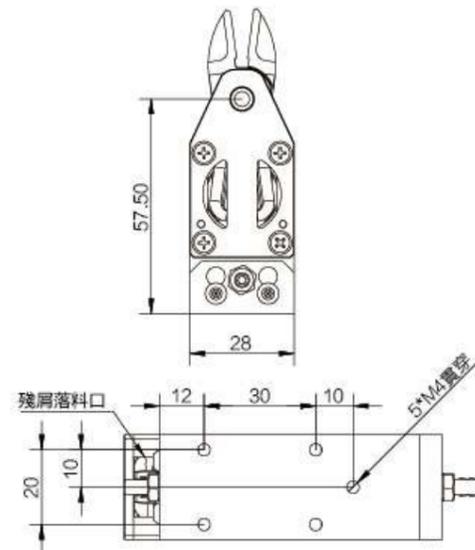
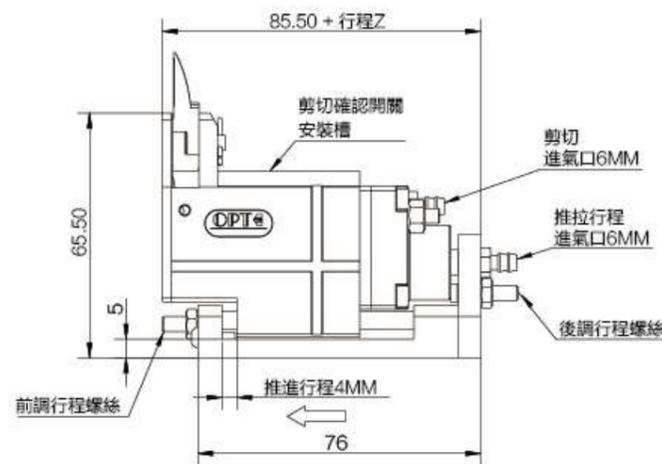


● SL系列 (本體) > SL-10BCR

尺寸(mm) Dimensions (mm)

推 →

● 安裝寸法
Dimension of installation

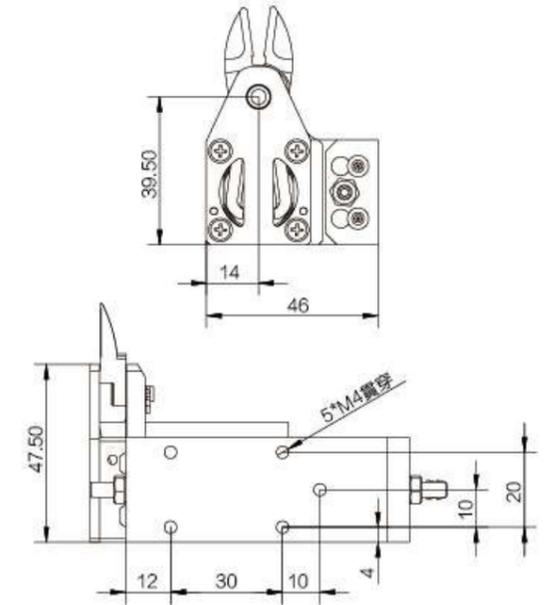
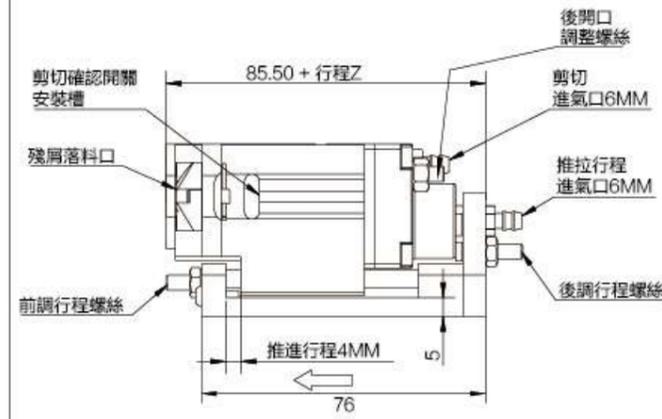


● SL系列 (本體) > SL-10RCR

尺寸(mm) Dimensions (mm)

推 →

● 安裝寸法
Dimension of installation

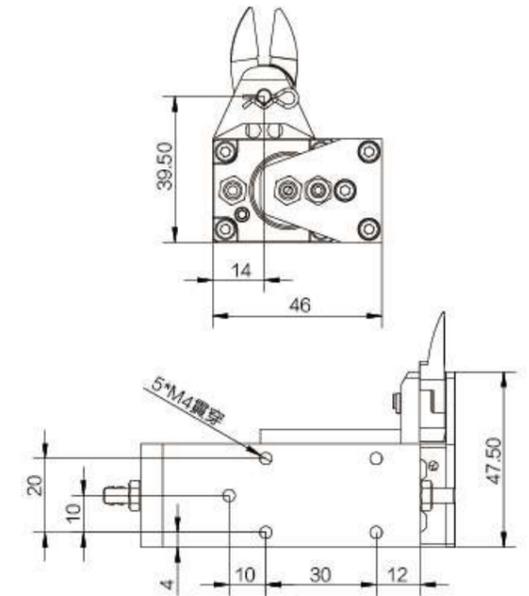
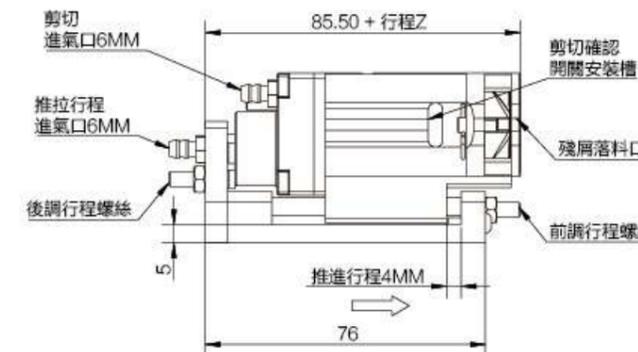


● SL系列 (本體) > SL-10LCR

尺寸(mm) Dimensions (mm)

推 →

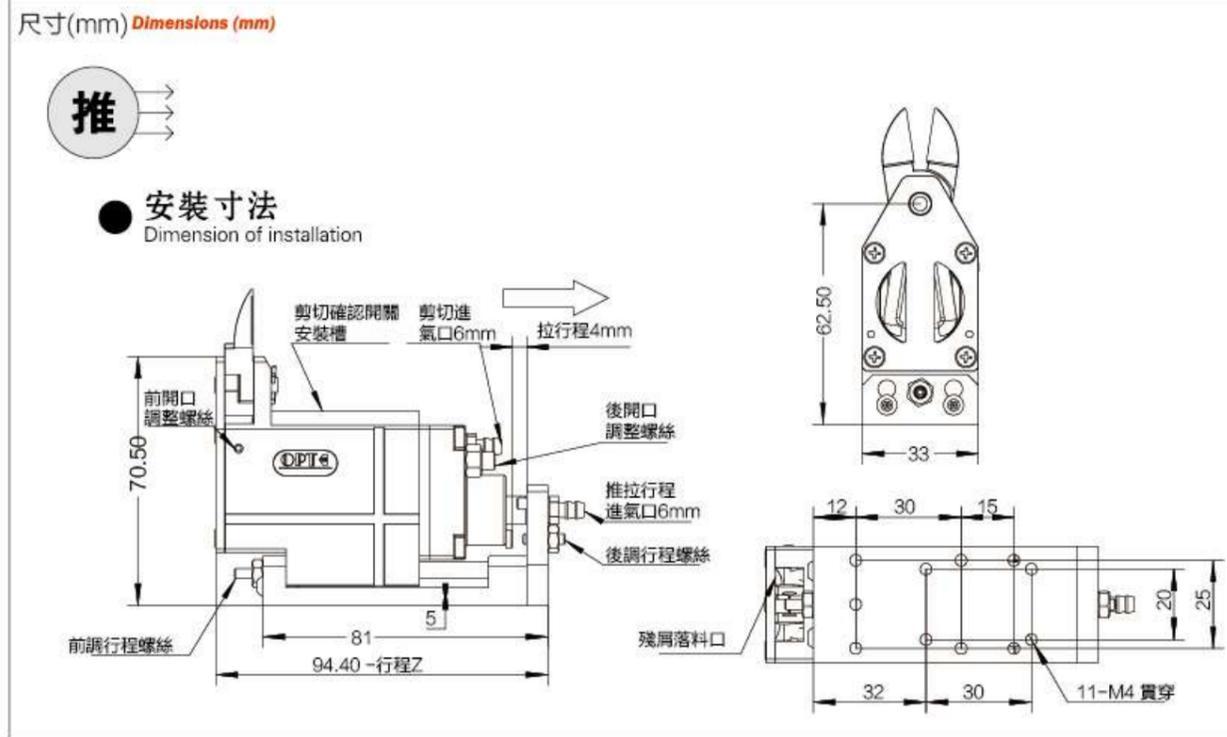
● 安裝寸法
Dimension of installation



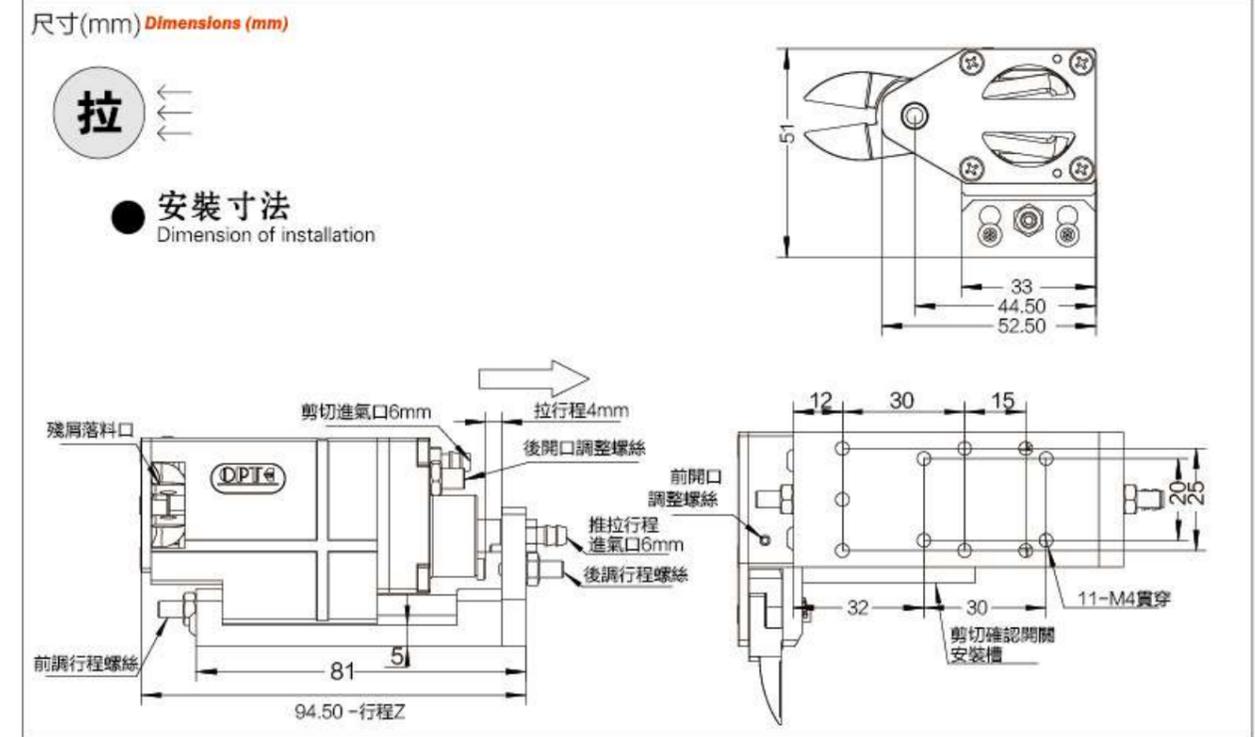
≡ 剪切系列

≡ 剪切系列

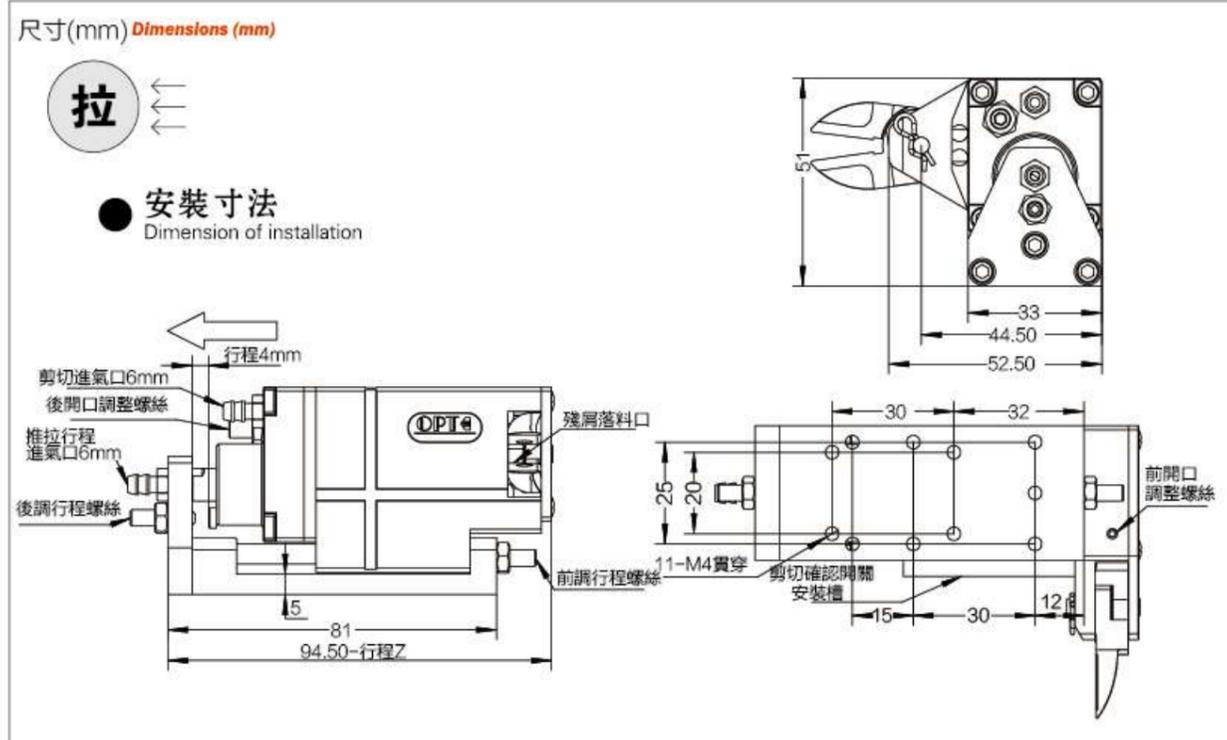
● SL系列 (本體) > SL-15BC



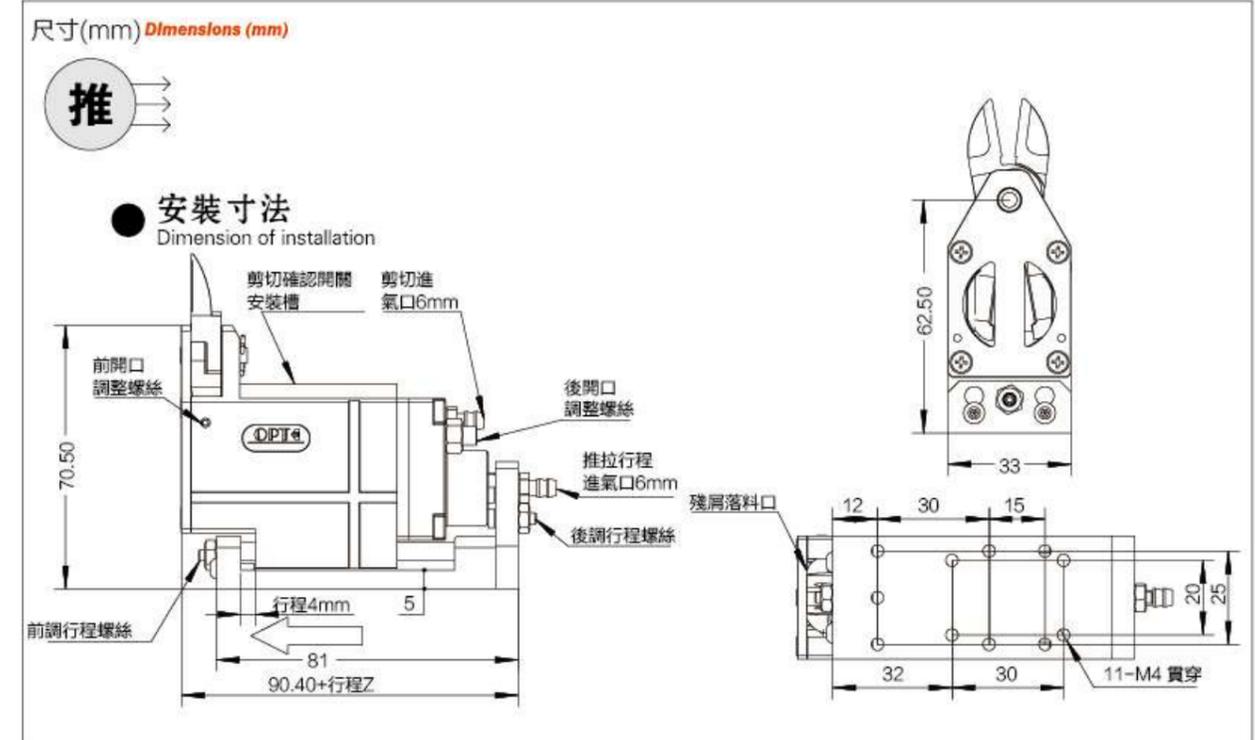
● SL系列 (本體) > SL-15LC



● SL系列 (本體) > SL-15RC



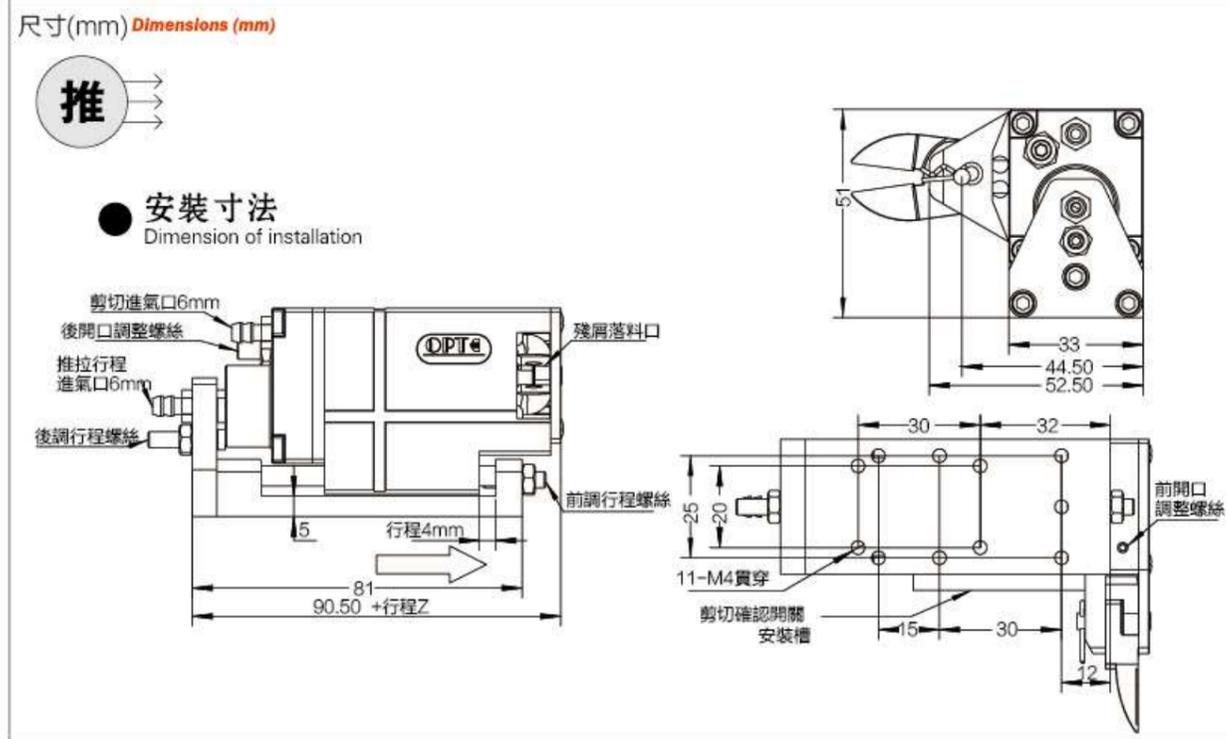
● SL系列 (本體) > SL-15BCR



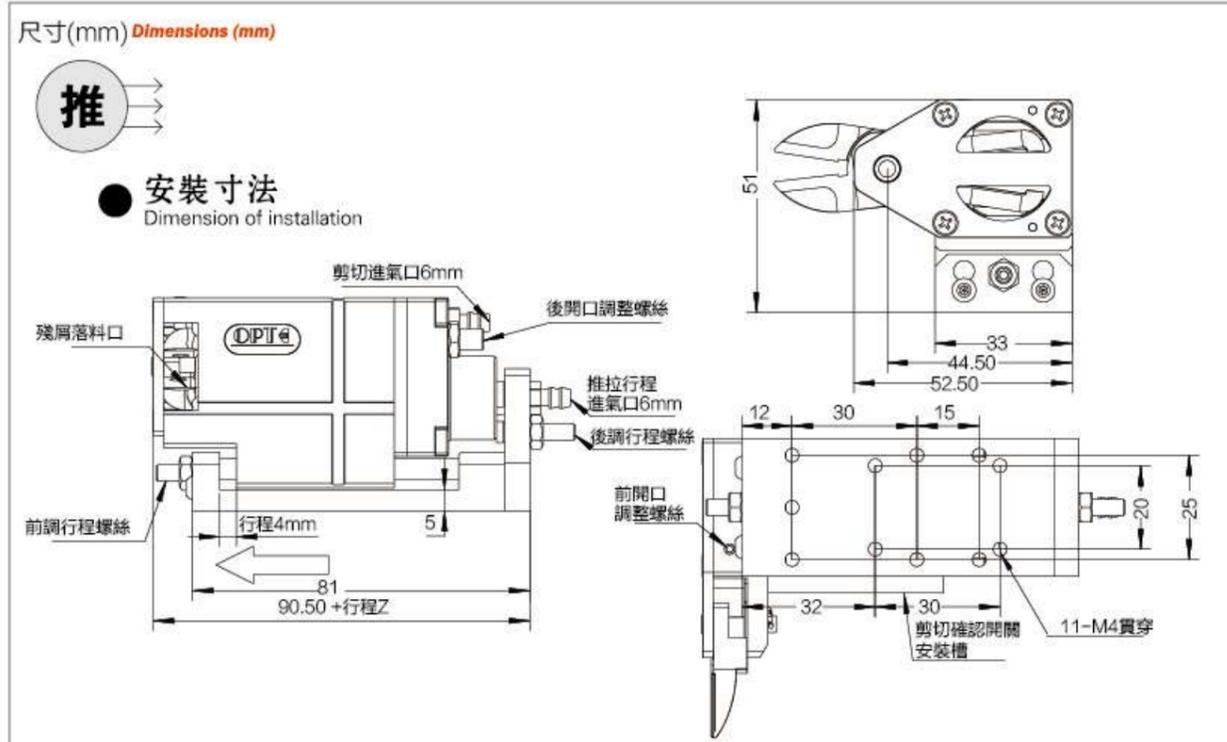
≡ 剪切系列

≡ 剪切系列

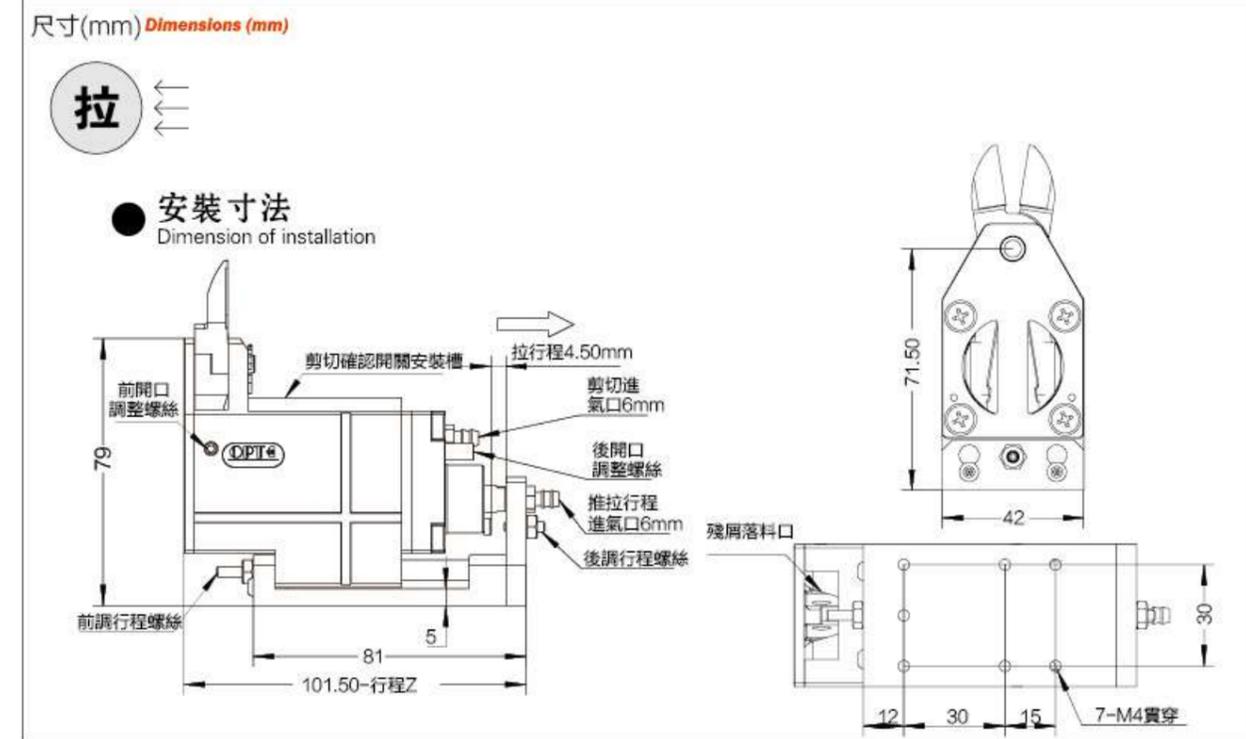
● SL系列 (本體) > SL-15RCR



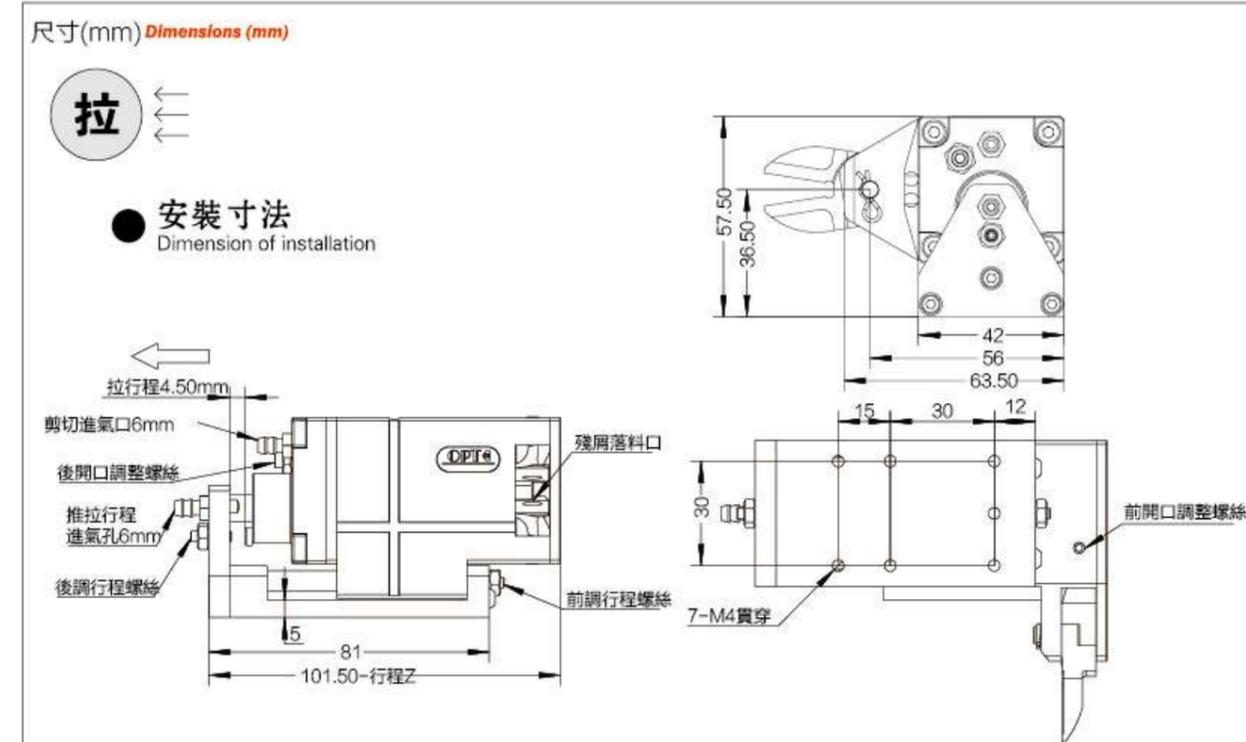
● SL系列 (本體) > SL-15LCR



● SL系列 (本體) > SL-25BC

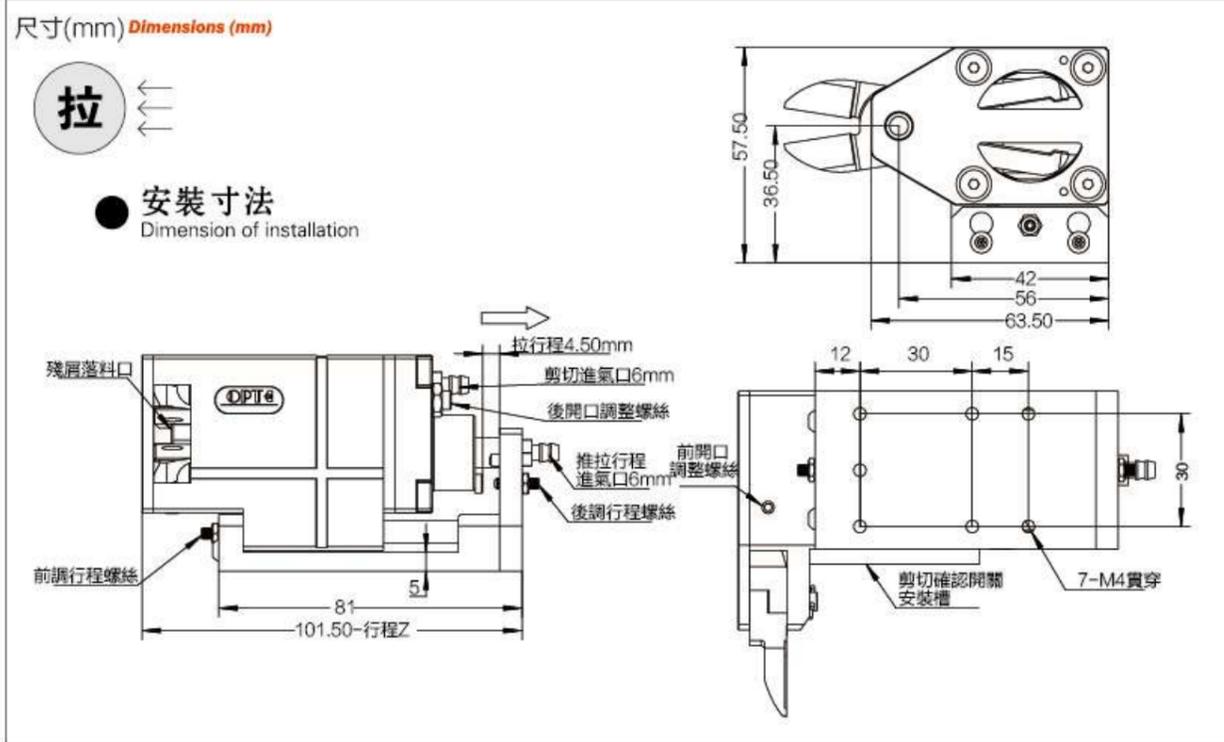


● SL系列 (本體) > SL-25RC

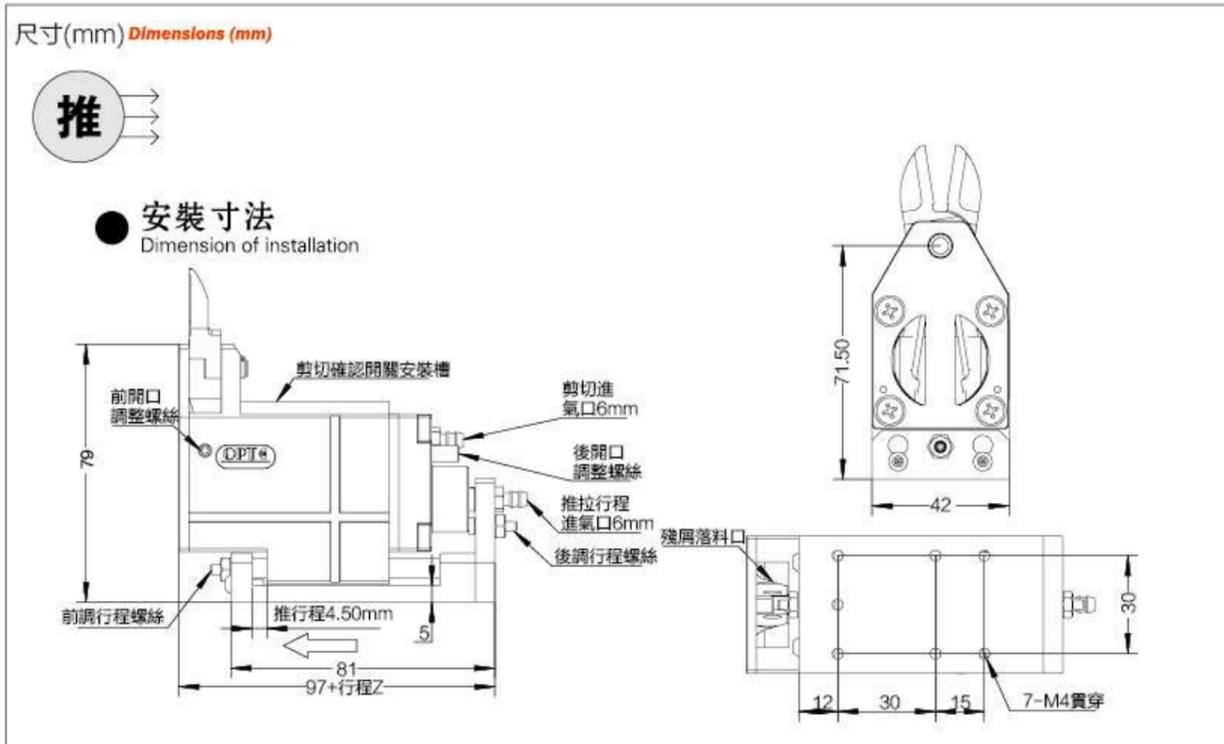


≡ 剪切系列

● SL系列 (本體) > SL-25LC

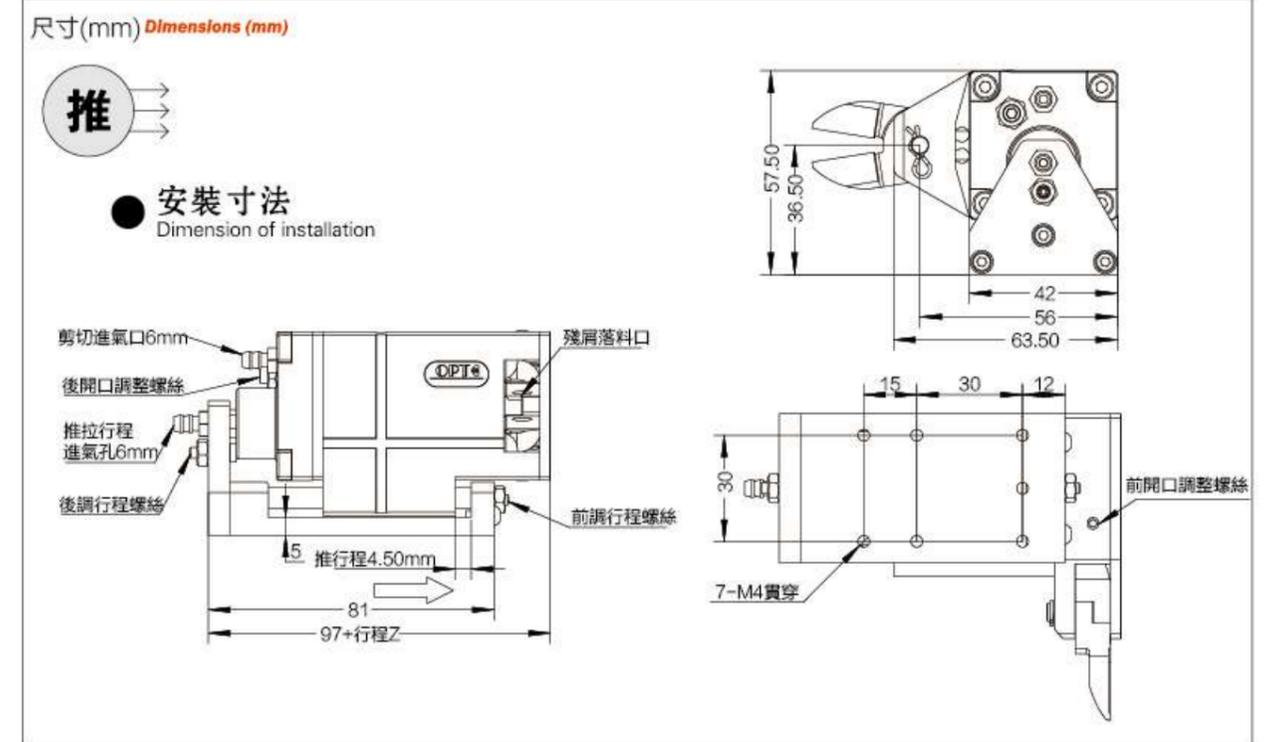


● SL系列 (本體) > SL-25BCR

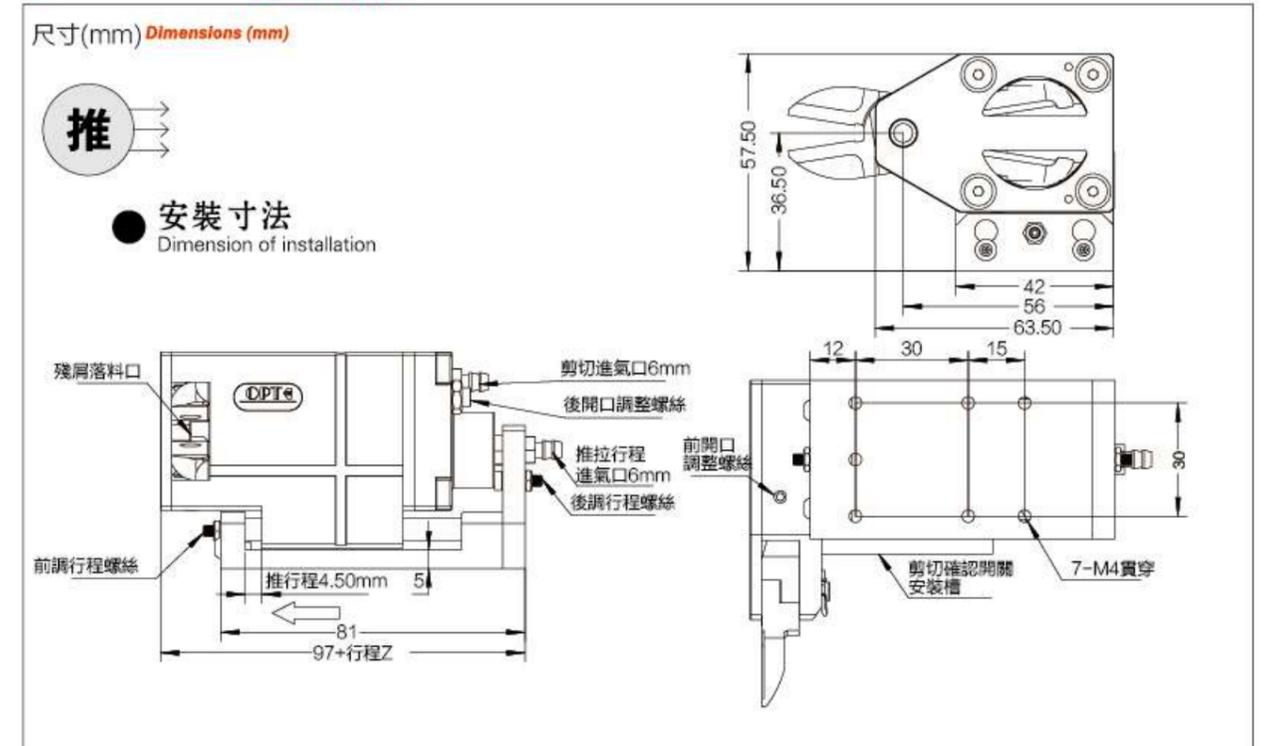


≡ 剪切系列

● SL系列 (本體) > SL-25RCR



● SL系列 (本體) > SL-25LCR



≡ 剪切系列

● SL-10系列 (適配刀頭)

圓頭平嘴鉗
Long angle blade

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AJ & SL10RAJ	3.5mm	2.3mm	SL-10/R	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

加長平嘴鉗
Long flat blade for cutting

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AJL & SL10RAJL	3.5mm	2.3mm	SL-10/R	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
End cutting flat blade for cutting

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AE	3.5mm	2.3mm	SL-10	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● SL-10系列 (適配刀頭)

圓頭平嘴鉗
Flat thin edged blade

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AJT	3.5mm	2.3mm	SL-10	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

平嘴鉗
Flat blade for cutting

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AD	3.5mm	2.3mm	SL-10	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

L形平嘴鉗
L type flat blade for cutting

SL-10

塑膠
Plastic



● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AH & SL10RAH	3.5mm	2.3mm	SL-10	

● 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● SL-10系列 (適配刀頭)

頂切平嘴鉗(加寬)
End cutting flat blade for cutting (Widening)

SL-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AEG	3.5mm	2.3mm	SL-10	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗(加長加寬)
End cutting flat blade for cutting (Lengthen Widening)

SL-10

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL10AEG	3.5mm	2.3mm	SL-10	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗
Flat blade

SL-15

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15AJ & SL15RAJ	4.0mm	2.6mm	SL-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● SL-15系列 (適配刀頭)

圓嘴平嘴鉗(加長)
Thin knife flat blade (Lengthen)

SL-15

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15AJL & SL15RAJL	4.0mm	2.6mm	NY-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗 (薄刀)
Thin knife flat blade

SL-15

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15AJT & SL15RAJT	4.0mm	2.6mm	SL-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
End cutting flat blade for cutting

SL-15

塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15AE	4.0mm	2.6mm	SL-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● SL-25系列 (適配刀頭)

L形平嘴鉗
L type flat blade for cutting

SL-15
塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15AH	4.0mm	2.6mm	SL-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

L形平嘴鉗
L type flat blade for cutting

SL-15
塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL15RAH	4.0mm	2.6mm	SL-15/15R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

圓頭平嘴鉗
Round head flat blade for cutting

SL-25
塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL25AJ & SL25RAJ	5.0mm	3.4mm	SL-25/25R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

≡ 剪切系列

● SL-25系列 (適配刀頭)

圓頭平嘴鉗(加長)
Round head flat blade for cutting(Long)

SL-25
塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL25AJL SL25RAJL	5.0mm	3.4mm	SL-25/25R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

頂切平嘴鉗
End cutting flat blade for cutting

SL-25
塑膠
Plastic

● 切斷能力 (∅ MM)
Cutting off effect

型號 Model	(軟質/Soft) PP,PE,PS,PVC,ABS,PMMA,ASTFT聚氨基酯等.	(硬質/Hard) PPS,PA,PBT,LCT,POM,PC,添加玻璃纖維樹脂等.	適用本體 This only suit	單價(元) Price (yuan)
SL25AE	5.0mm	3.4mm	SL-25/25R	

⚠ 請勿剪切帶有金屬的物品
Please don't cut materials with metal

★ 塑膠專用剪刀
For cutting plastic only

NOTES

≡ 剪切系列

● NLM系列 (本體)

智慧型滑動氣剪 (軌道式)

NLM概述:

信號反饋設計, 自動檢測水口剪切作業, 杜絕漏剪失誤氣。
缸滑軌設計, 剪切更緊貼產品, 剪切精度更高, 效果更好。
滑軌單向可調, 定位調試方便。

NLM Overview:

Signal feedback design, automatic detection of nozzle cutting operation, to prevent leakage of shear and gas.
Cylinder slide rail design, the cutting is closer to the product, the cutting precision is higher, and the effect is better.
The slide rail can be adjusted in one direction, which is convenient for positioning and debugging.

智慧型(機器人專用)
Intelligent(for robots)



型號 Model	重量 Weight (g)	進氣口 Air Inlet(mm)	氣體消耗量每回 Air wastage cycle /cm ²	使用氣壓 Operation pressure (kg/cm ²)	單價(元) Price (yuan)	適配刀頭 Suitable blades
NLM-10		6	116	4-5		F3,FD3,F3S,F3CT,F3CTL,F3LS,F3LA,F3AML,F3AMR
NLM-20	809	8	230	5-6		F5,FD5,F5S,F5CT,F5LS,FD2504,F2504S,F5LW,F5LWR,F5LA,F5LB,F5LC,F5LD,FD5LT,F5AML,F5AMR,F5LWD,F5CTL,F5CTLG
NLM-30		8	584	5-6		F8P,F8PB,F8PC,F8AMR,F8AML,F8ATG,F8LTC,F8LTD,FD8P,F8PS,F8CT,F8CTL,F8LW,F8LWR
NLMS-10		6	116	4-5		F3,FD3,F3S,F3CT,F3CTL,F3LS,F3LA,F3AML,F3AMR
NLMS-20		8	230	5-6		F5,FD5,F5S,F5CT,F5LS,FD2504,F2504S,F5LW,F5LWR,F5LA,F5LB,F5LC,F5LD,FD5LT,F5AML,F5AMR,F5LWD,F5CTL,F5CTLG
NLMS-30		8	584	5-6		F8P,F8PB,F8PC,F8AMR,F8AML,F8ATG,F8LTC,F8LTD,FD8P,F8PS,F8CT,F8CTL,F8LW,F8LWR

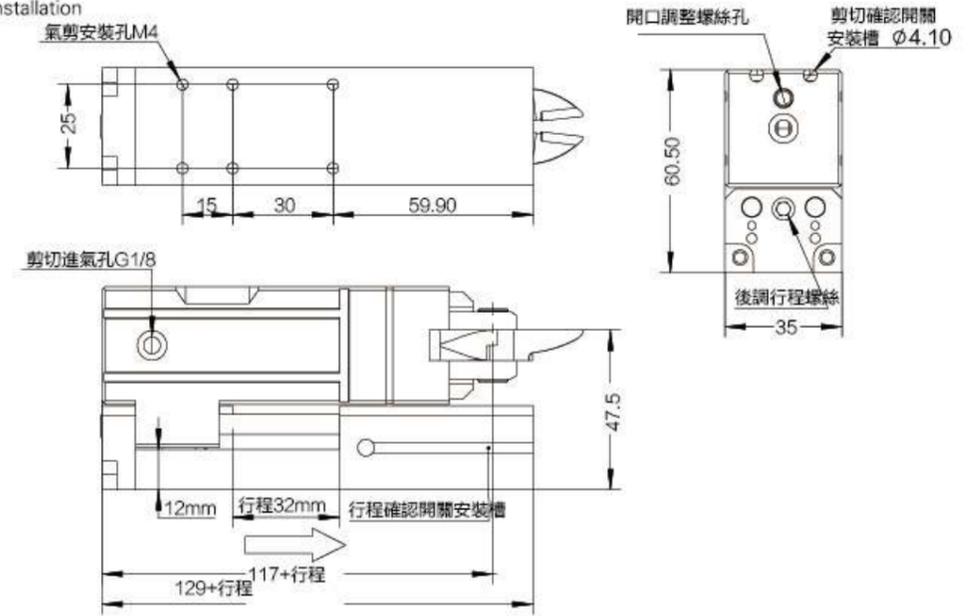
≡ 剪切系列

● NLM系列 (本體) > NLM-10

尺寸(mm) Dimensions (mm)

● 安裝寸法

Dimension of installation

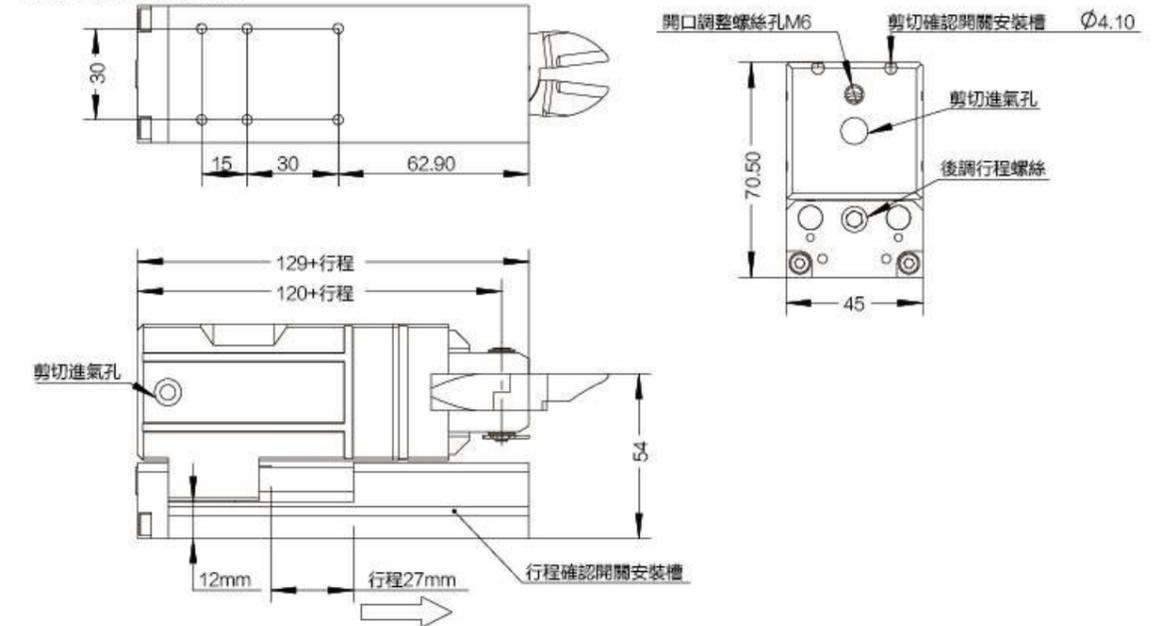


● NLM系列 (本體) > NLM-20

尺寸(mm) Dimensions (mm)

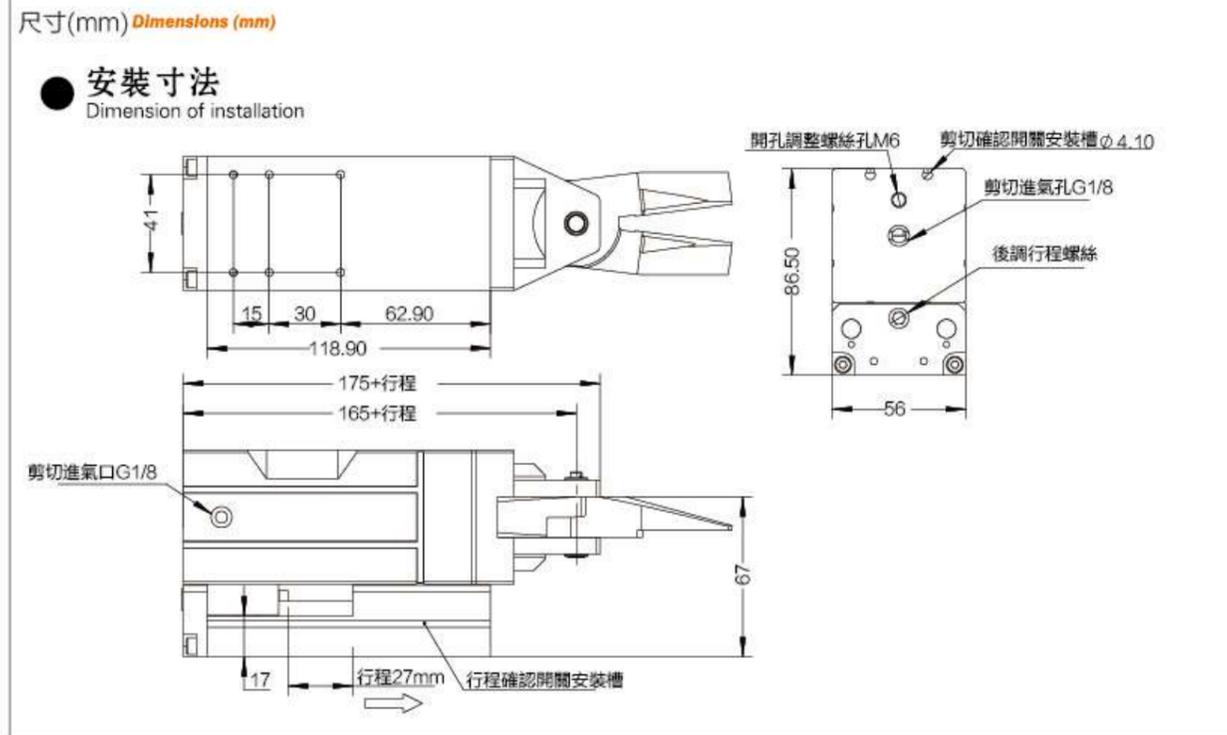
● 安裝寸法

Dimension of installation

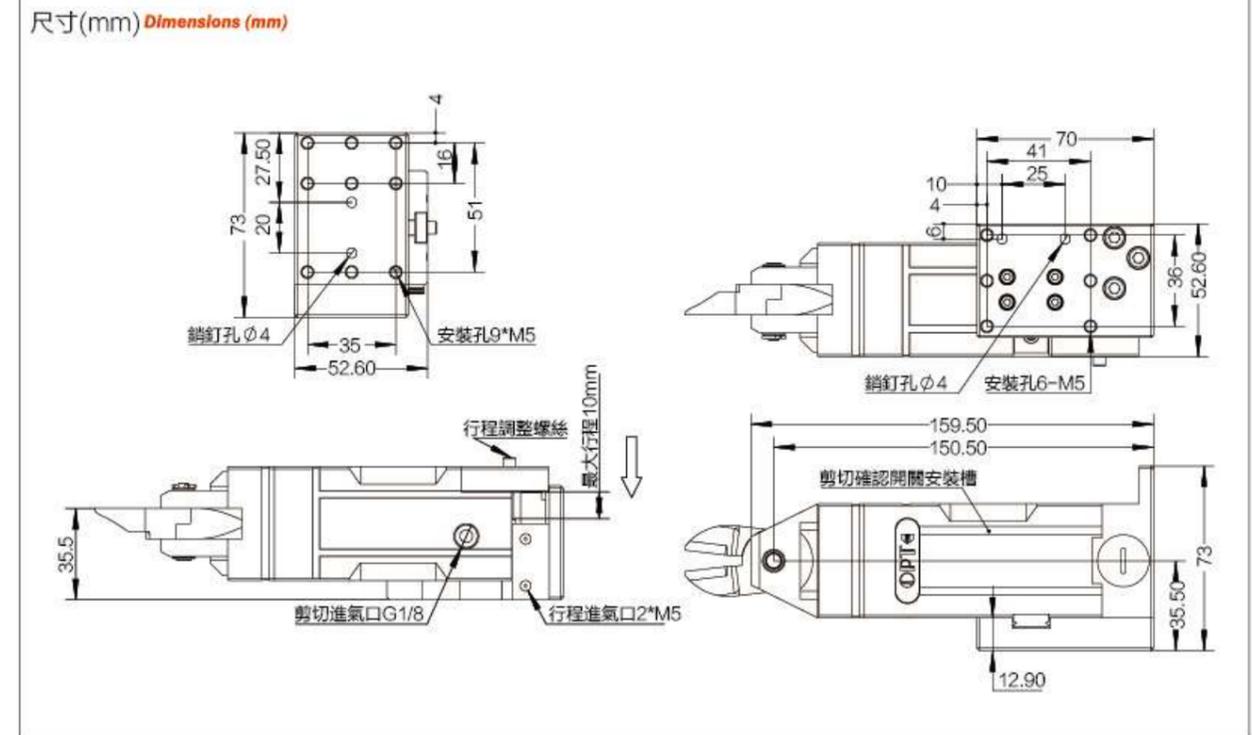


剪切系列

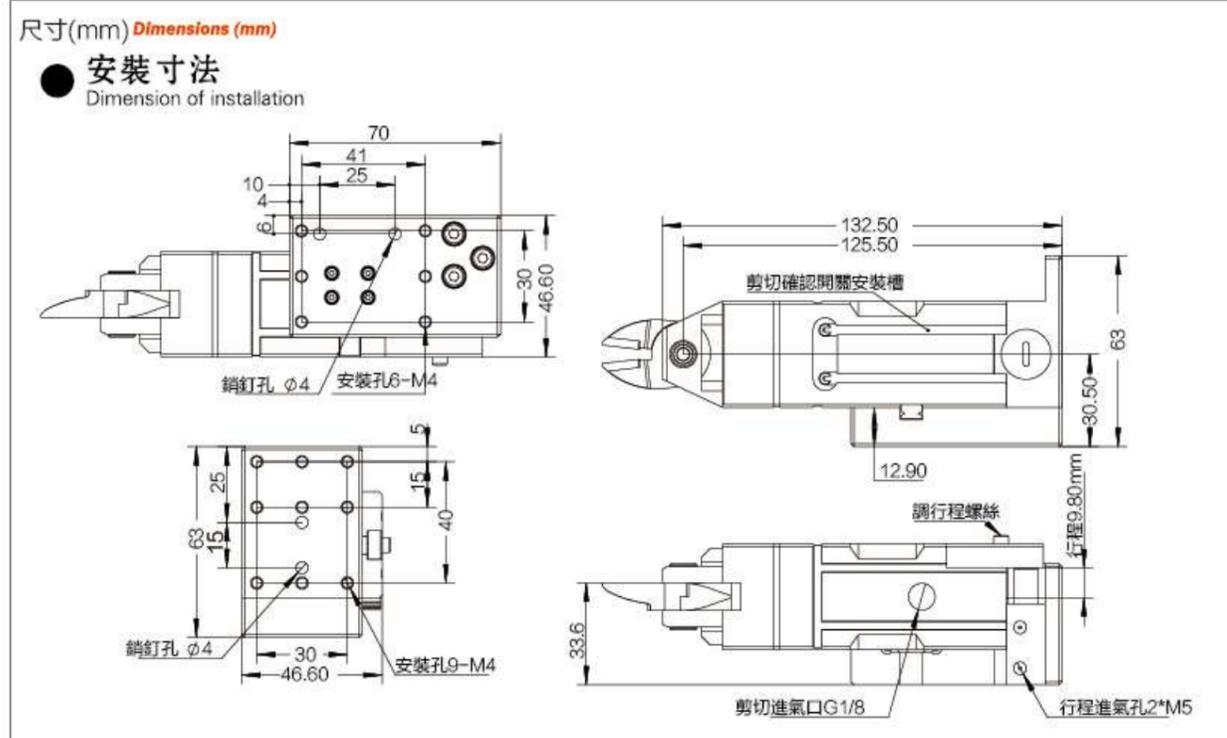
● NLM系列 (本體) > NLM-30



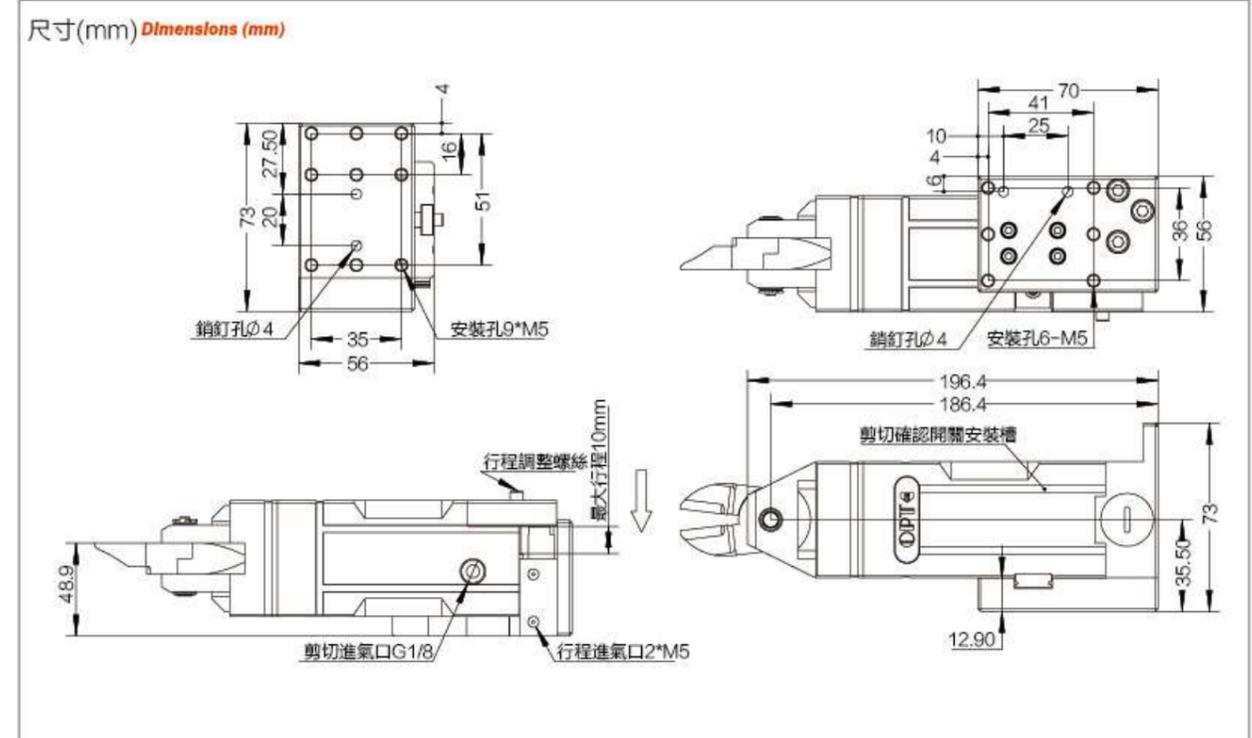
● NLM系列 (本體) > NLMS-20



● NLM系列 (本體) > NLMS-10



● NLM系列 (本體) > NLMS-30

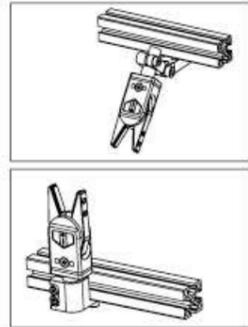


≡ 抓取夾持系列

● 水口夾

OGRZ12

彈簧開啟的單重動作，多種安裝附件。
鋼制鉗口，塑料、鋼與鋁複合機械。
食用級潤滑脂。
Single acting with spring opening,
Several mounting accessories.
Steel jaws, Plastic-steel-aluminium
composite body.
Food-grade grease.

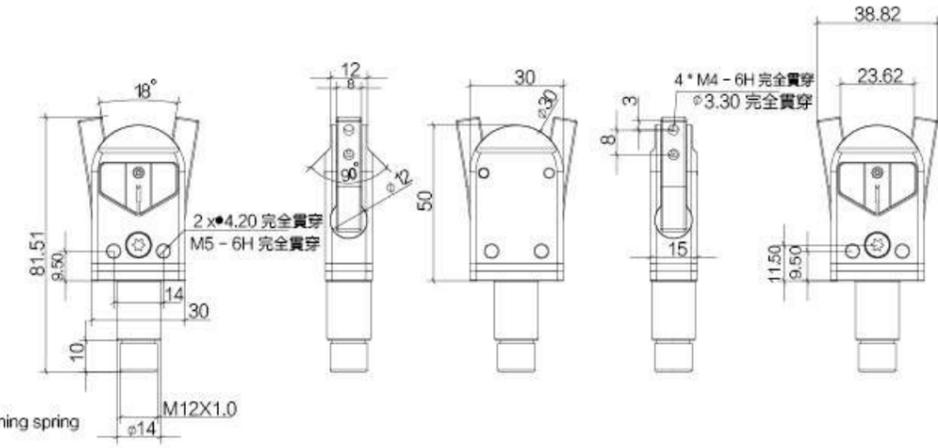


型號 Model	介質 Medium	壓力範圍 Pressure range	行程(±2°) Stroke	每一鉗口在 6bar壓力下的 關閉扭矩 Closing gripping torque (at 6 bar) each jaw	每一鉗口在 6bar壓力下的 的打開扭矩 Opening gripping torque (at 6 bar) each jaw	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	進氣口 Air Inlet	重量 Weight	單價(元) Price(yuan)
OGRZ 12 A	Filtered lubricated/non lubricated compressed air 口頭標 標準型/米型/型/型/型/型/型/型	2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	72g	
OGRZ 12 AE		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	78g	
OGRZ 12 PU MS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	62g	
OGRZ 12 PU		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	61g	
OGRZ 12 R MS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	63g	
OGRZ 12 R		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	61g	
OGRZ 12 S MS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	84g	
OGRZ 12 S		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	59g	
OGRZ 12 SM		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	63g	
OGRZ 12 SR MS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	86g	
OGRZ 12 PC MS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	62g	
OGRZ 12 EP		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	63g	

≡ 抓取夾持系列

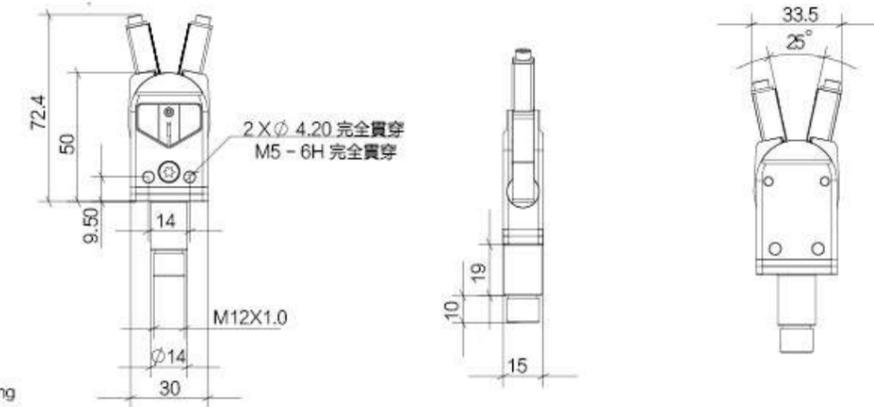
● 水口夾

OGRZ 12 A



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 定制鉗口
- Piston bore: 12mm
- Single-acting with opening spring
- Custom jaws

OGRZ 12 AE



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 圓錐形夾取的可轉動鉗口
- Piston bore: 12mm
- Single-acting with opening spring
- Swivelling jaws for conical sprues.

OGRZ 12 PU MS I



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 橡膠墊 (HNBR) 軟接觸
- 鉗口有傳感器
- Piston bore: 12mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact.
- Sensor on the jaw.

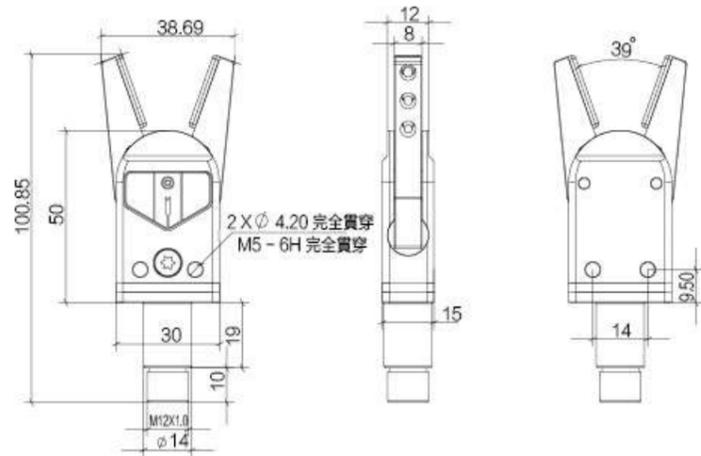
≡ 抓取夾持系列

● 水口夾

OGRZ 12 PU



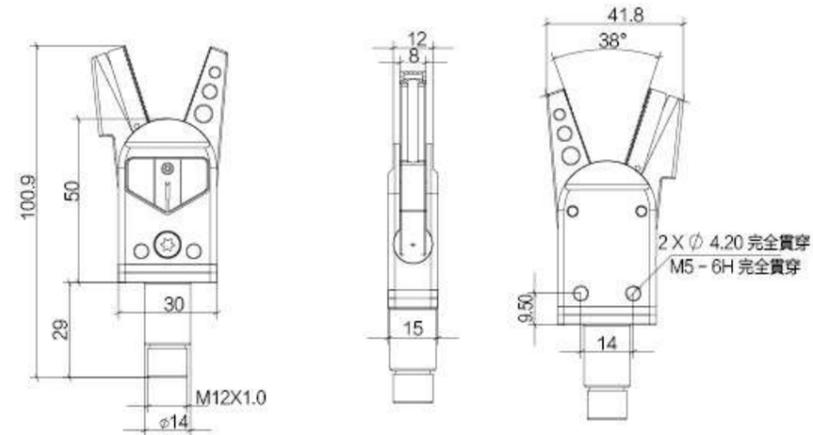
- 活塞孔: 12mm
- 打開彈簧的單一動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 12mm
- Single-acting with opening spring
- Rubber(HNBR) pads for a soft contact.



OGRZ 12 R MS I



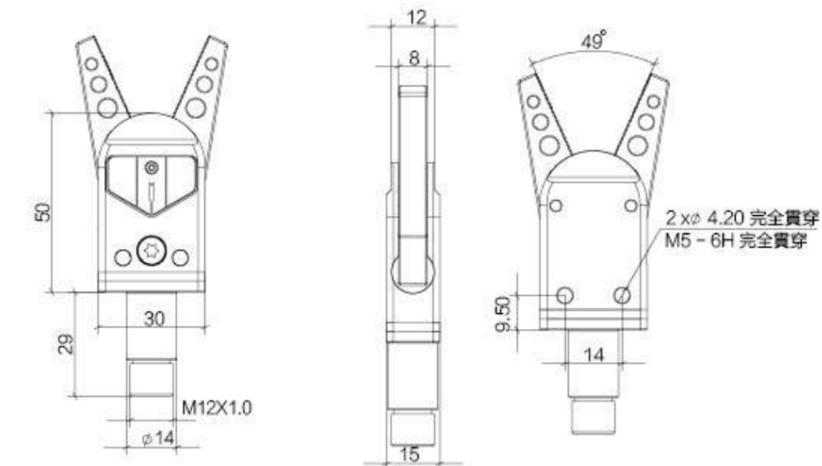
- 活塞孔: 12mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 12mm
- Single-acting with opening spring
- Sensor on the jaw



OGRZ 12 R



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 12mm
- Single-acting with opening spring
- Custom jaws

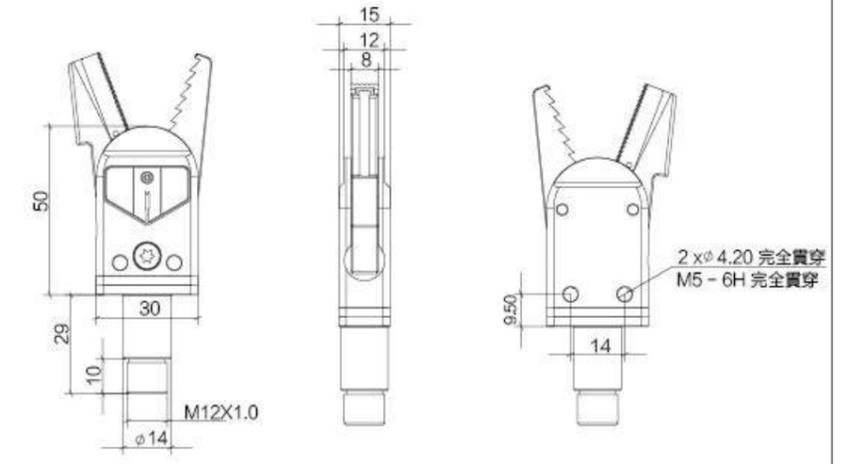


● 水口夾

OGRZ 12 S MS I



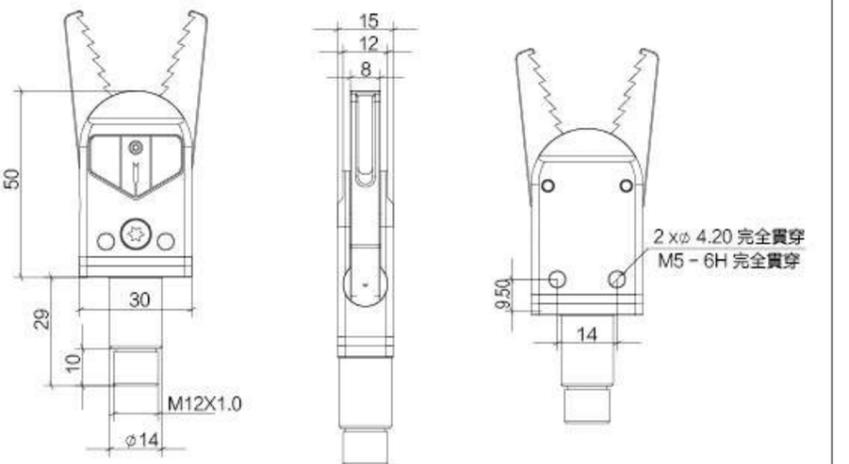
- 活塞孔: 12mm
- 打開彈簧的單一動作
- 鋼制鉗口
- 鉗口處有傳感器
- Piston bore: 12mm
- Single-acting with opening spring
- Steel jaw and probe
- Sensor on the jaw



OGRZ 12 S



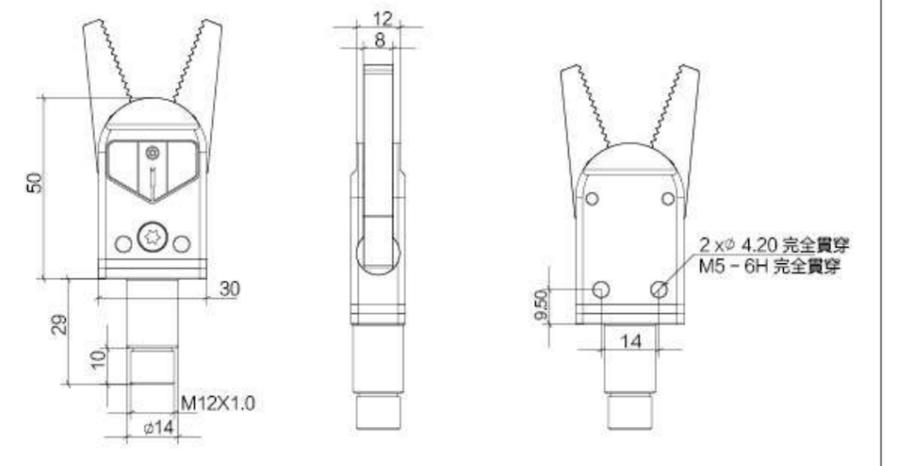
- 活塞孔: 12mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 12mm
- Single-acting with opening spring
- Custom jaws



OGRZ 12 SM



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 12mm
- Single-acting with opening spring
- Custom jaws

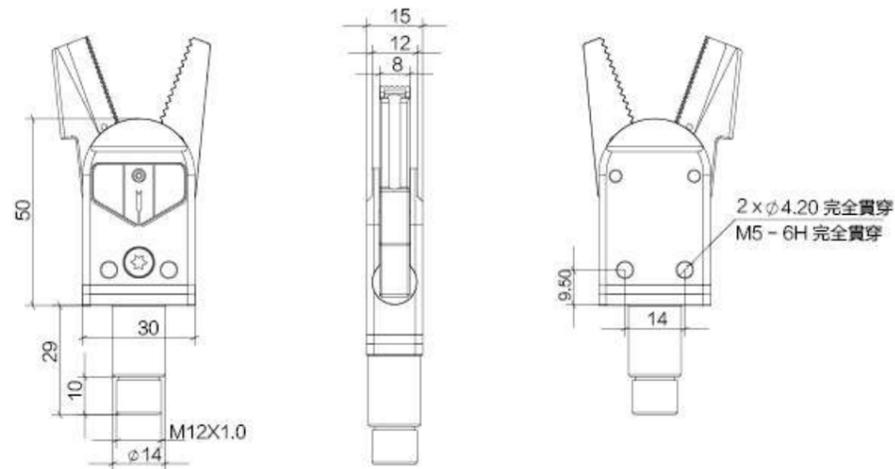


≡ 抓取夾持系列

≡ 抓取夾持系列

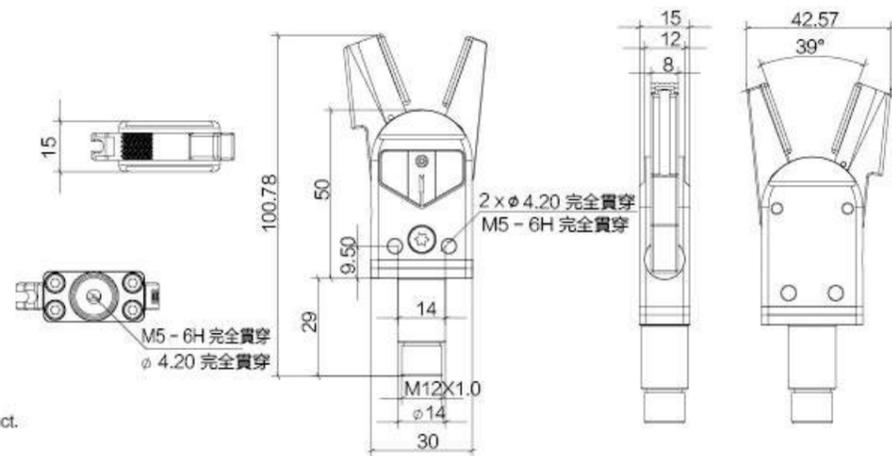
● 水口夾

OGRZ 12 SR MS I



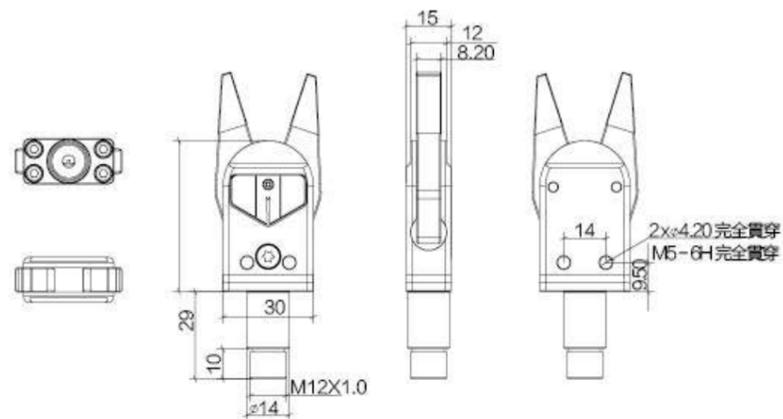
- 活塞孔: 12mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 12mm
- Single-acting with opening spring
- Sensor on the jaw

OGRZ 12 PC MS I



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 橡膠墊 (HNBR) 軟接觸
- 鉗口有傳感器
- Piston bore: 12mm
- Rubber (HNBR) pads for a soft contact.
- Sensor on the jaw.

OGRZ 12 EP



- 活塞孔: 12mm
- 打開彈簧的單一動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 12mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact

● 水口夾

運用實例 / Application example

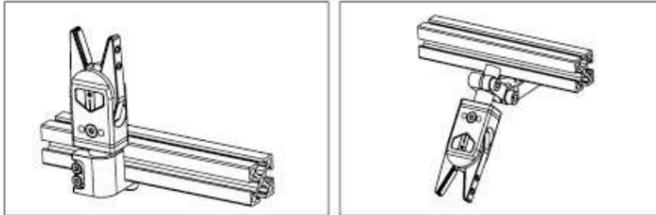


≡ 抓取夾持系列

● 水口夾

OGRZ14

彈簧開啓的單一動作，多種安裝附件。
鋼制鉗口，塑料、鋼與鋁複合機械。
食用級潤滑脂。
Single acting with spring opening, Several mounting accessories.
Steel jaws, Plastic-steel-aluminium composite body.
Food-grade grease.



型號 Model	介質 Medium	壓力範圍 Pressure range	行程(±2°) Stroke	每一鉗口在 6bar壓力下的 關閉扭矩 Closing gripping torque at 6 bar each jaw	每一鉗口在 6bar壓力下的 打開扭矩 Opening gripping torque at 6 bar each jaw	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	進氣口 Air Inlet	重量 Weight	單價(元) Price(€)
OGRZ 14 S CS I	山型輪 · 潤滑型水嘴 Filtered lubricated/air lubricated compressed air	2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	100g	
OGRZ 14 A		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	100g	
OGRZ 14 EP		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	82g	
OGRZ 14 PE		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	71g	
OGRZ 14 R		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	70g	
OGRZ 14 S		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	68g	
OGRZ 14 R CS I		2.5-8 bar	2x14°	105Ncm	5Ncm	3Hz	1.4cm³	0.2s	M5	80g	

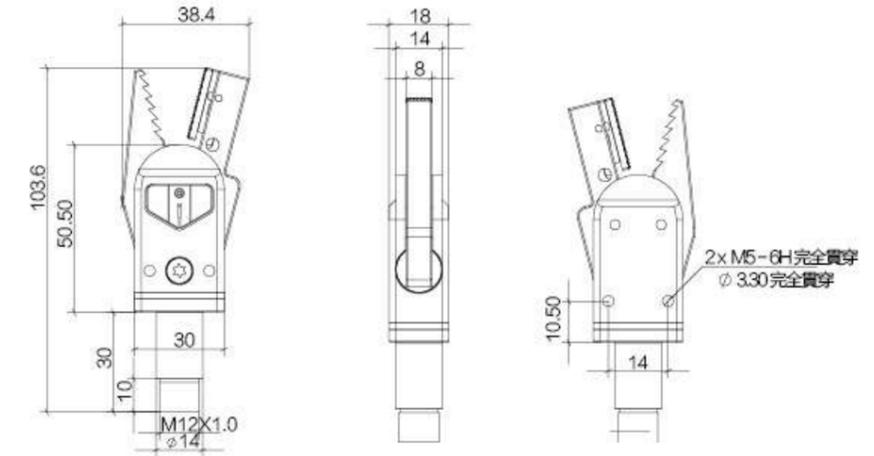
≡ 抓取夾持系列

● 水口夾

OGRZ 14 S CS I



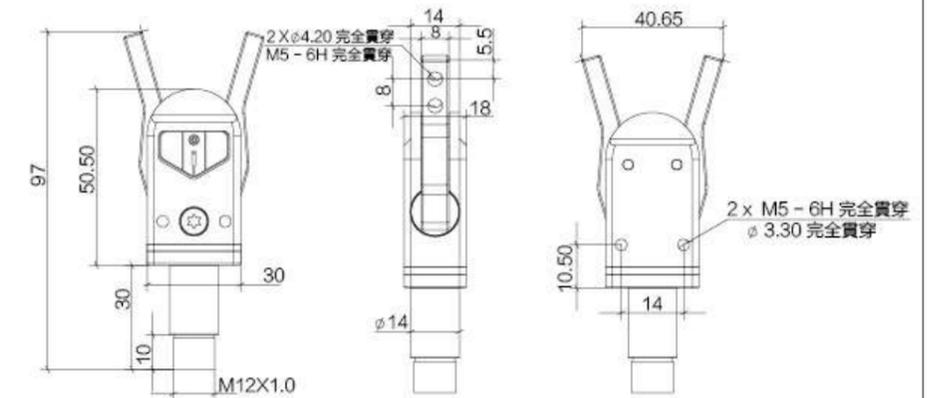
- 活塞孔: 14mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 14mm
- Single-acting with opening spring
- Sensor on the jaw.



OGRZ 14 A



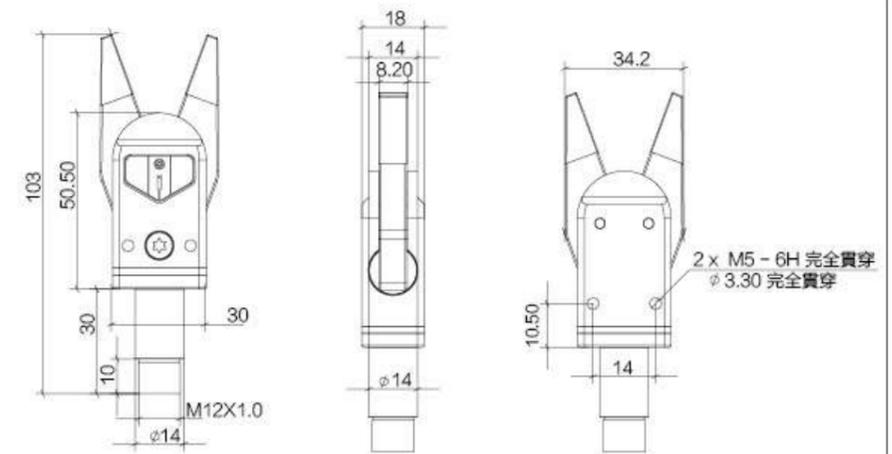
- 活塞孔: 14mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 14mm
- Single-acting with opening spring
- Custom jaws



OGRZ 14 EP



- 活塞孔: 14mm
- 打開彈簧的單一動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 14mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact.



≡ 抓取夾持系列

● 水口夾

OGRZ 14 PE

- 活塞孔: 14mm
- 打開彈簧的單重動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 14mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact.

OGRZ 14 R

- 活塞孔: 14mm
- 打開彈簧的單重動作
- 常規鉗口
- Piston bore: 14mm
- Single-acting with opening spring
- Custom jams.

OGRZ 14 S

- 活塞孔: 14mm
- 打開彈簧的單重動作
- 常規鉗口
- Piston bore: 14mm
- Single-acting with opening spring
- Custom jams

≡ 抓取夾持系列

● 水口夾

OGRZ 14 R CS I

- 活塞孔: 14mm
- 打開彈簧的單重動作
- 鉗口處有傳感器
- Piston bore: 14mm
- Single-acting with opening spring
- Sensor on the jaw.

運用實例 / Application example



備註: 所有水口夾產品採用航空鋁件制作, 均已陽極處理, 如有質量問題本公司承擔一切責任; 如有特殊要求可定制。
Remarks: All nozzle clamp products are made of aviation aluminum parts, which have been anodized. If there is quality problem, the company will bear all responsibility; if there are special requirements, it can be customized.

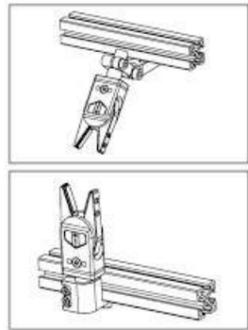
≡ 抓取夾持系列

≡ 抓取夾持系列

● 水口夾

OGRZ20

彈簧開啟的單室動多，多種安裝附件。
鋼制鉗口，塑料、鋼與鋁複合機械。
食用級潤滑脂。
Single acting with spring opening,
Several mounting accessories.
Steel jaws, Plastic-steel-aluminium
composite body.
Food-grade grease.



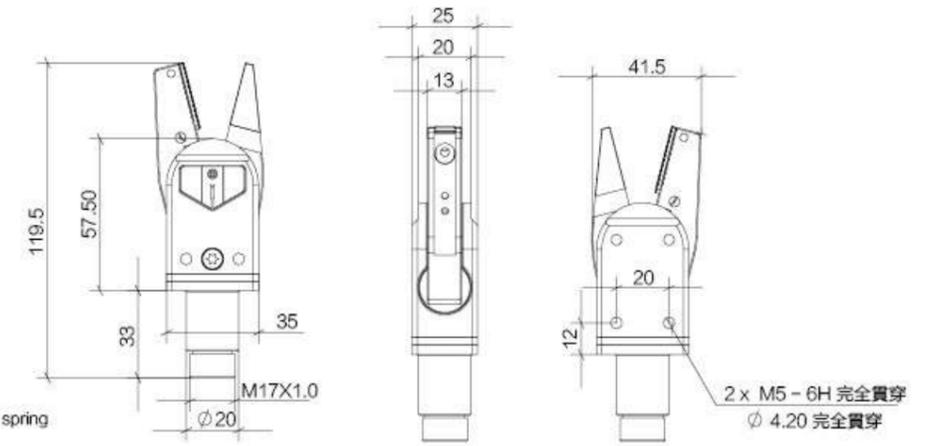
型號 Model	介質 Medium	壓力範圍 Pressure range	行程(±2°) Stroke	每一鉗口在 6bar壓力下 的關閉扭矩 Closing gripping torque at 6 bar each jaw	每一鉗口在 6bar壓力下 的打開扭矩 Opening gripping torque (at 6 bar) each jaw	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	進氣口 Inlet	重量 Weight	單價 Price	
OGRZ 20 EP CSI	山型槽 標準型/米型/帶過濾網/帶油杯 Filtered/lubricated/non lubricated compressed air	2.5-8 bar	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	153g		
OGRZ 20 EP		2.5-8 bar	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	139g		
OGRZ 20 PE		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	141g	
OGRZ 20 PU		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	141g	
OGRZ 20 R		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	134g	
OGRZ 20 A		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	145g	
OGRZ 20 PE CSI		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	146g	
OGRZ 20 PU CSI		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	155g	
OGRZ 20 R CSI I		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	151g	
OGRZ 20 S CSI		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	153g	
OGRZ 20 SL		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	157g	
OGRZ 20 S		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	136g	
OGRZ 20 Z CSI		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	134g	
OGRZ 20 Z		2.5-8 bar	2x14°	2x14°	210Ncm	10Ncm	2Hz	2.7cm³	0.01s	M5	137g	

● 水口夾

OGRZ 20 EP CSI



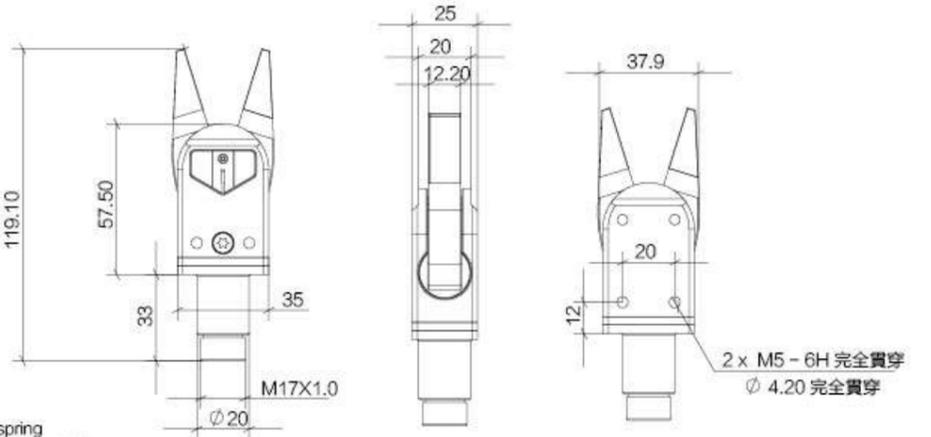
- 活塞孔: 20mm
- 打開彈簧的單室動作
- 鉗口處有傳感器
- Piston bore: 20mm
- Single-acting with opening spring
- Sensor on the jaw.



OGRZ 20 EP



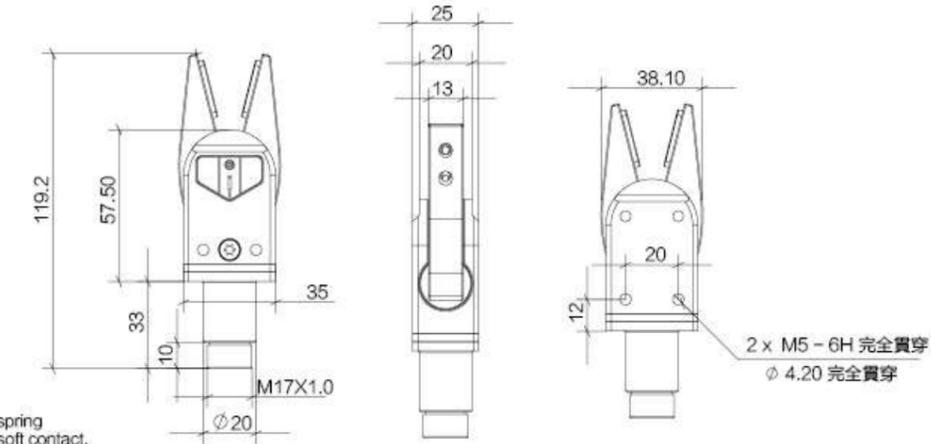
- 活塞孔: 20mm
- 打開彈簧的單室動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 20mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact.



OGRZ 20 PE



- 活塞孔: 20mm
- 打開彈簧的單室動作
- 橡膠墊 (HNBR) 軟接觸
- Piston bore: 20mm
- Single-acting with opening spring
- Rubber (HNBR) pads for a soft contact.



≡ 抓取夾持系列

● 水口夾

OGRZ 20 PU

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jams

OGRZ 20 R

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jams

OGRZ 20 A

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jams

≡ 抓取夾持系列

● 水口夾

OGRZ 20 PE CSI

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 20mm
- Single-acting with opening spring
- Sensor on the jaw.

OGRZ 20 PU CS I

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 20mm
- Single-acting with opening spring
- Sensor on the jaw.

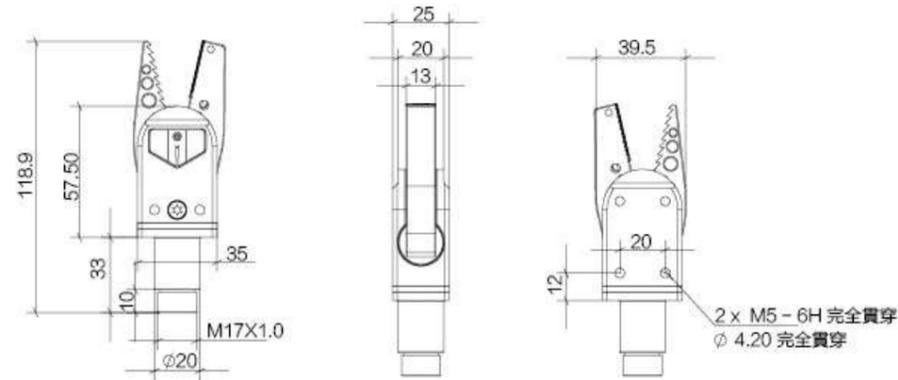
OGRZ 20 R CS I

- 活塞孔: 20mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 20mm
- Single-acting with opening spring
- Sensor on the jaw.

≡ 抓取夾持系列

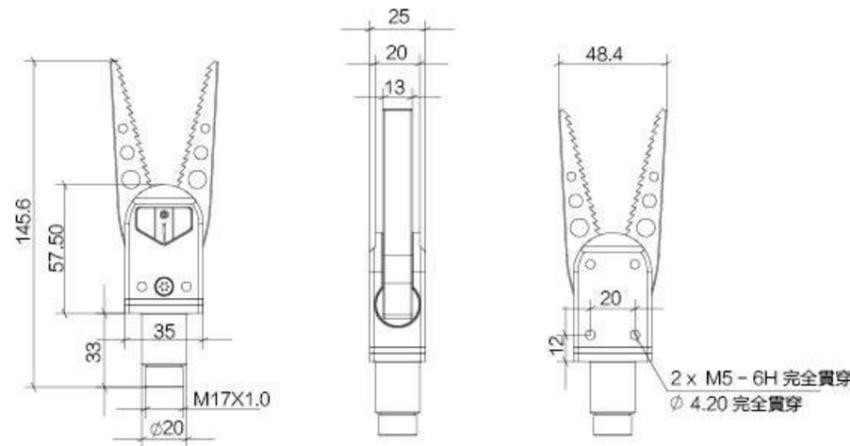
● 水口夾

OGRZ 20 S CS I



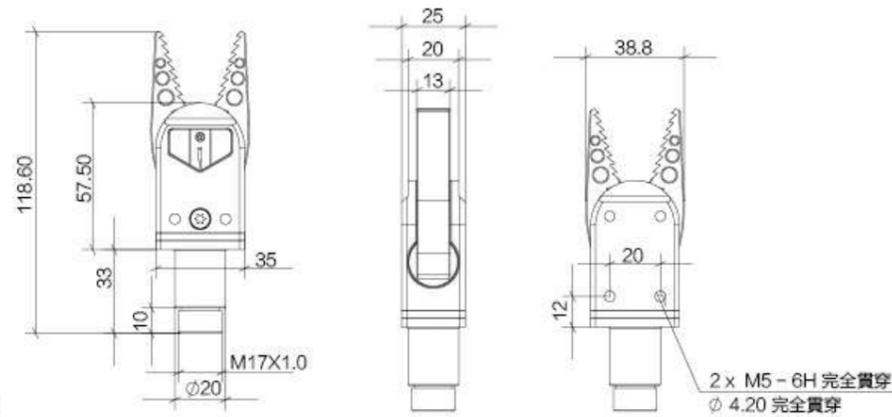
- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jaws

OGRZ 20 SL



- 活塞孔: 20mm
- 打開彈簧的單一動作
- 加長鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Lengthen jaw.

OGRZ 20 S

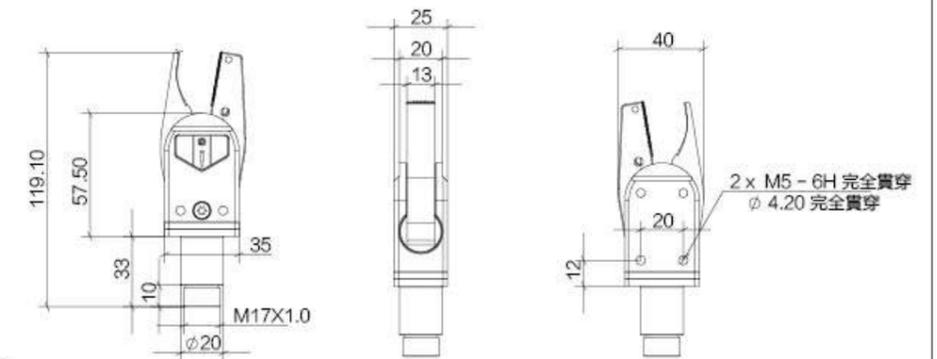


- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jaws.

≡ 抓取夾持系列

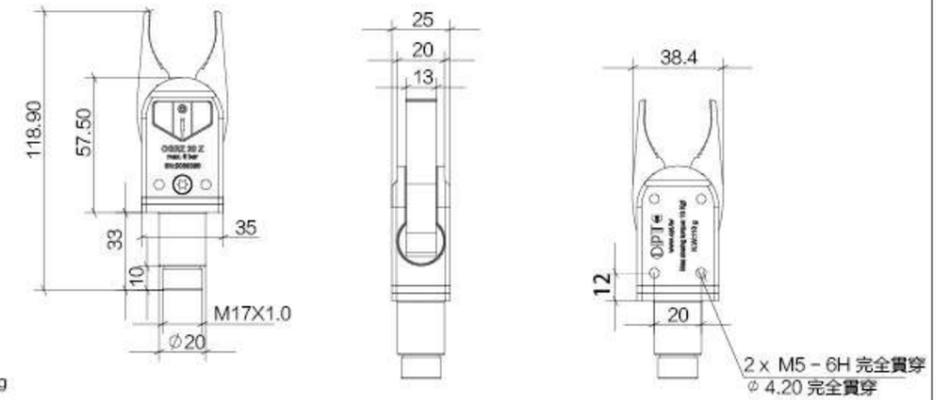
● 水口夾

OGRZ 20 Z CS I



- 活塞孔: 20mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 20mm
- Single-acting with opening spring
- Sensor on the jaw.

OGRZ 20 Z



- 活塞孔: 20mm
- 打開彈簧的單一動作
- 常規鉗口
- Piston bore: 20mm
- Single-acting with opening spring
- Custom jaws

運用實例 / Application example

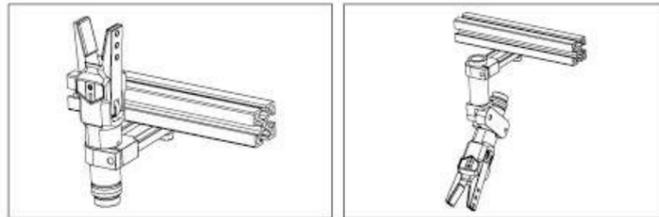


抓取夾持系列

● 水口夾

ODD20

彈簧開啟的單壹動作，多種安裝附件。
鋼制鉗口，塑料、鋼與鋁復合機械。
食用級潤滑脂。
Single acting with spring opening, Several mounting accessories.
Steel jaws, Plastic-steel-aluminium composite body.
Food-grade grease.



型號 Model	介質 Medium	壓力範圍 Pressure range	行程(±2°) Stroke	每一鉗口在 6bar壓力下的 關閉扭矩 Closing gripping torque at 6 bar each jaw	每一鉗口在 6bar壓力下的 打開扭矩 Opening gripping torque (at 6 bar) each jaw	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	進氣口 Air Inlet	重量 Weight	單價(元) Price(yuan)
ODD 20 R CS I	Filtered lubricated/non lubricated compressed air 口力器™ 潤滑型/非潤滑型壓縮空氣	2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	129g	
ODD 20 S CS I		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	129g	
ODD 20 S		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	115g	
ODD 20 A		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	143g	
ODD 20 PU CS I		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	128g	
ODD 20 PU MS I		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	130g	
ODD 20 PU		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	114g	
ODD 20 R MS I		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	148g	
ODD 20 R		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	135g	
ODD 20 S MS I		2.5-8 bar	2x14°	300Ncm	20Ncm	2Hz	2.7cm³	0.01s	M5	147g	

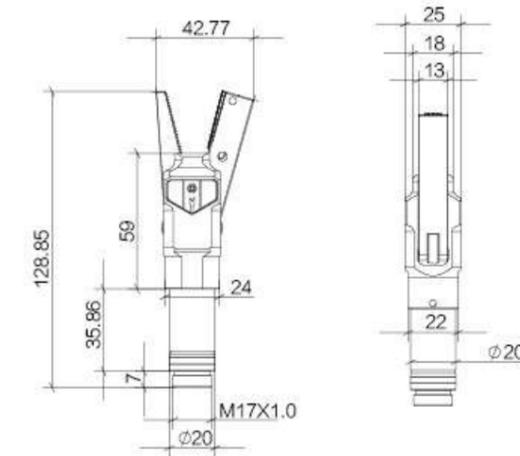
抓取夾持系列

● 水口夾

ODD 20 R CS I



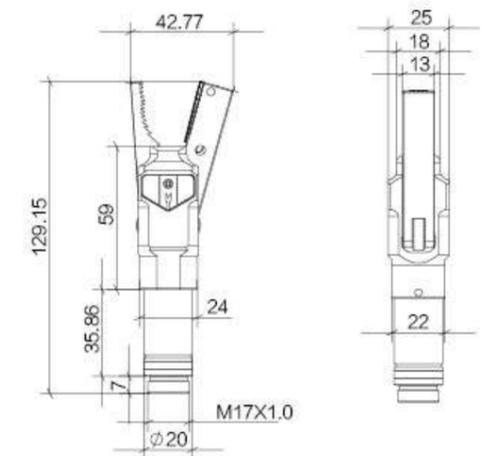
- 活塞孔: 16mm
- 打開彈簧的單壹動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.



ODD 20 S CS I



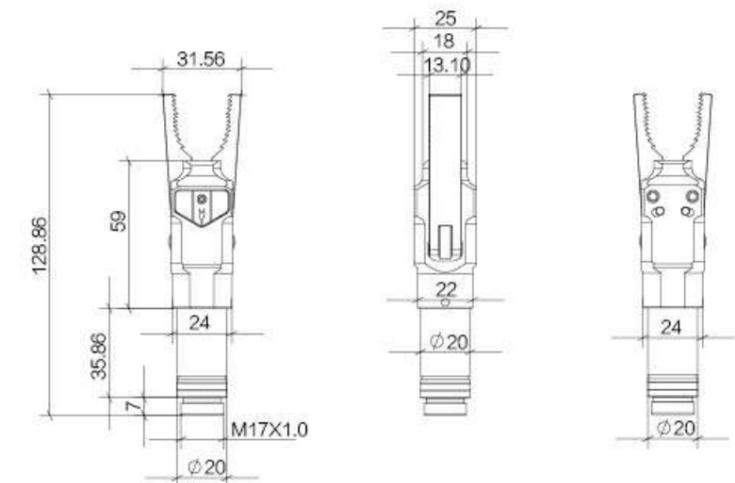
- 活塞孔: 16mm
- 打開彈簧的單壹動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.



ODD 20 S



- 活塞孔: 16mm
- 打開彈簧的單壹動作
- 常規鉗口
- Piston bore: 16mm
- Single-acting with opening spring
- Standard jaw



≡ 抓取夾持系列

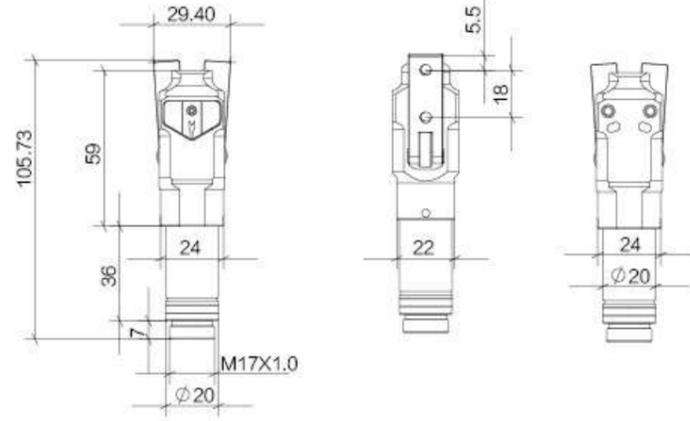
≡ 抓取夾持系列

● 水口夾

ODD 20 A



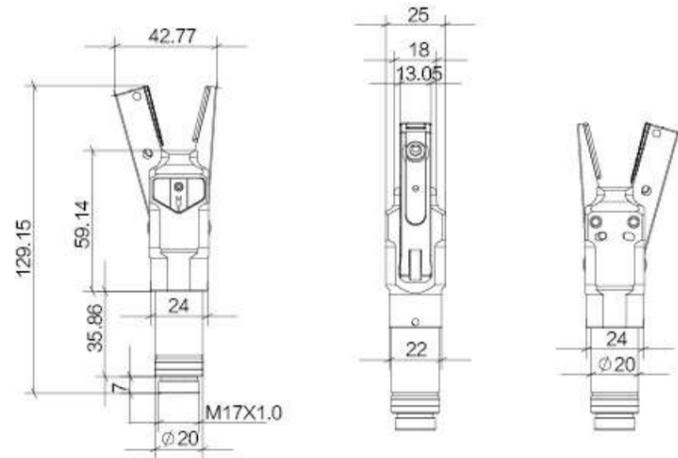
- 活塞孔: 16mm
- 打開彈簧的單重動作
- 定制鉗口
- Piston bore: 16mm
- Single-acting with opening spring
- Custom jaws.



ODD 20 PU CS I



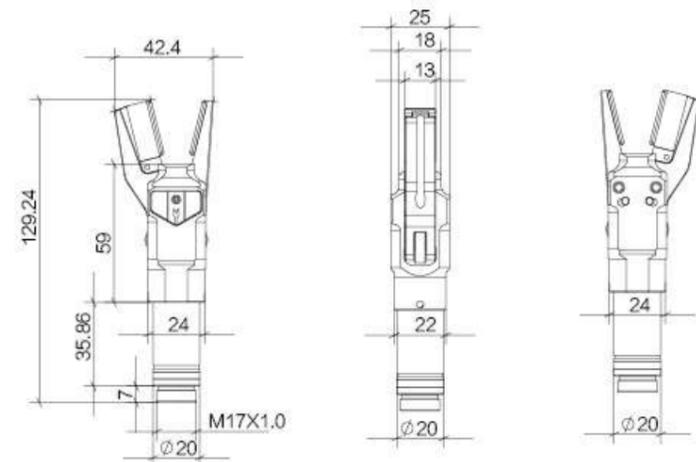
- 活塞孔: 16mm
- 打開彈簧的單重動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.



ODD 20 PU MS I



- 活塞孔: 16mm
- 打開彈簧的單重動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.

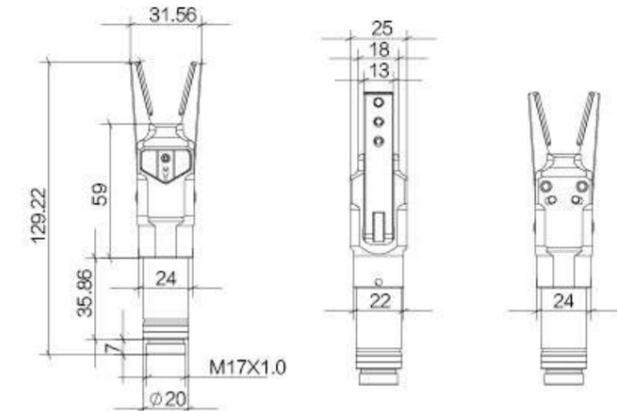


● 水口夾

ODD 20 PU



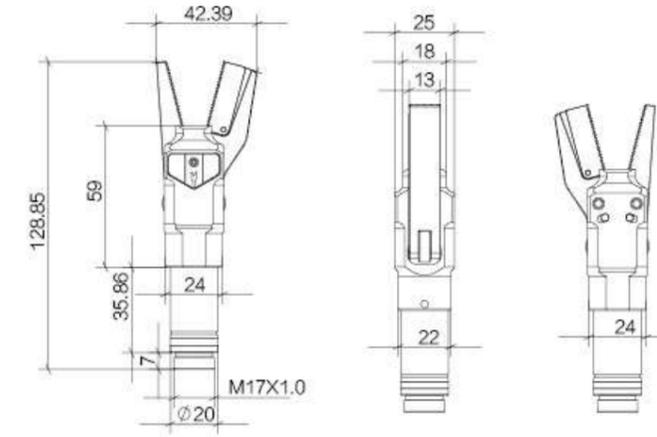
- 活塞孔: 16mm
- 打開彈簧的單重動作
- 常規鉗口
- Piston bore: 16mm
- Single-acting with opening spring
- Standard jaw



ODD 20 R MS I



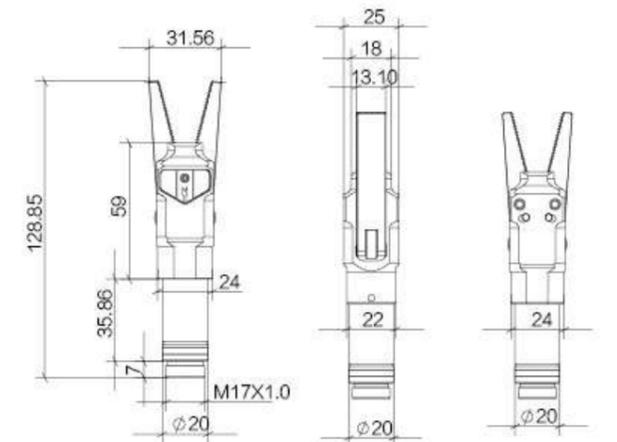
- 活塞孔: 16mm
- 打開彈簧的單重動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.



ODD 20 R



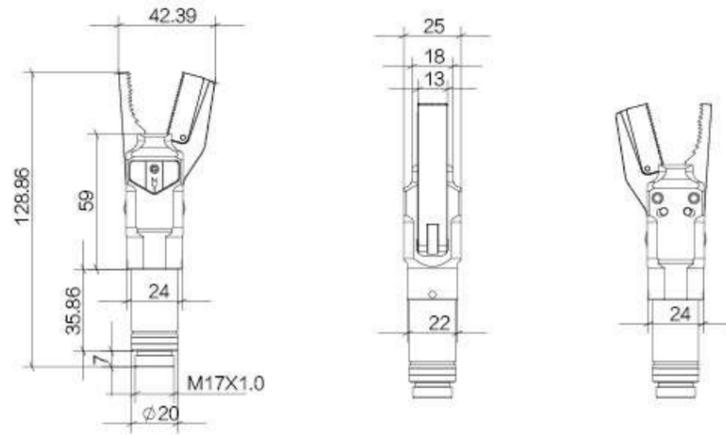
- 活塞孔: 16mm
- 打開彈簧的單重動作
- 常規鉗口
- Piston bore: 16mm
- Single-acting with opening spring
- Standard jaw



≡ 抓取夾持系列

● 水口夾

ODD 20 S MS I



- 活塞孔: 16mm
- 打開彈簧的單一動作
- 鉗口處有傳感器
- Piston bore: 16mm
- Single-acting with opening spring
- Sensor on the jaw.

運用實例 / Application example



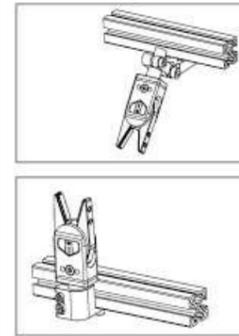
≡ 抓取夾持系列

● 水口夾

OGRA12

- 彈簧開啟、氣動開啟雙選擇，控制更簡便穩定；
- Double choice of spring opening and pneumatic opening, the control is more convenient and stable;
- 液態合金鑄體成型技術，更耐用，品質穩定；
- Liquid alloy integral molding technology, more durable and stable quality;
- 產品鏤空結構設計，外形美觀；
- Product hollow structure design, nice appearance;
- 鋼與鋁複合機械，食用級潤滑脂；
- Steel and aluminum composite machinery, food grade grease;

經濟型
Economic



型號 Model	介質 Medium	壓力範圍 Pressure range	行程(±2°) Stroke	每一鉗口在 6bar壓力下的 關閉扭矩 Closing gripping torque at 6 bar each jaw	每一鉗口在 6bar壓力下的 打開扭矩 Opening gripping torque (at 6 bar) each jaw	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	進氣口 Air Inlet	重量 Weight	單價(元) Price(yuan)
OGRA 12 PU	Filtered lubricated/non lubricated compressed air 可過濾、潤滑或非潤滑壓縮空氣	2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	90g	
OGRA 12 R		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	87g	
OGRA 12 R CS I		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	89g	
OGRA 12 S		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	85g	
OGRA 12 S MI		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	89g	
OGRA 12 SL		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	89g	
OGRA 12 SM		2.5-8 bar	2x14°	80Ncm	5Ncm	3Hz	1.2cm³	0.01s	M5	86g	

≡ 抓取夾持系列

≡ 抓取夾持系列

● 水口夾

OGRA 12 PU

Technical drawing of the OGRA 12 PU gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.1mm, a main body height of 45.3mm, a 15mm offset, a 28mm jaw width, a 15.60mm body width, an 8mm offset, a 36.4mm jaw width, a 22.7mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔M5' (Open M5 piston inlet), '活塞進氣孔M5' (M5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

- 活塞孔: 12mm
- 橡膠墊 (HNBR) 軟接觸
- 定制鉗口
- Piston bore: 12mm
- Rubber (HNBR) pads for a soft contact.
- Custom jaws

OGRA 12 R

Technical drawing of the OGRA 12 R gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.3mm, a main body height of 45.3mm, a 15mm offset, a 28mm jaw width, a 15.60mm body width, an 8mm offset, a 40mm jaw width, a 23.1mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔M5' (Open M5 piston inlet), '活塞進氣孔M5' (M5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

- 活塞孔: 12mm
- 常規鉗口
- Piston bore: 12mm
- Custom jaws

OGRA 12 R CSI

Technical drawing of the OGRA 12 R CSI gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.3mm, a main body height of 45.25mm, a 15mm offset, a 28mm jaw width, a 15.60mm body width, an 8mm offset, a 40.9mm jaw width, a 20.5mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔φ5' (Open φ5 piston inlet), '活塞進氣孔φ5' (φ5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

- 活塞孔: 12mm
- 鉗口有傳感器
- Piston bore: 12mm
- Sensor on the jaw.

● 水口夾

OGRA 12 S

Technical drawing of the OGRA 12 S gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.3mm, a main body height of 45.3mm, a 15mm offset, a 28mm jaw width, a 15.60mm body width, an 8mm offset, a 40mm jaw width, a 22.8mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔M5' (Open M5 piston inlet), '活塞進氣孔M5' (M5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

- 活塞孔: 12mm
- 常規鉗口
- Piston bore: 12mm
- Custom jaws

OGRA 12 S MI

Technical drawing of the OGRA 12 S MI gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.6mm, a main body height of 45.25mm, a 15mm offset, a 28mm jaw width, a 15.60mm body width, an 8mm offset, a 42.3mm jaw width, a 19mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔φ5' (Open φ5 piston inlet), '活塞進氣孔M5' (M5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

- 活塞孔: 12mm
- 鉗口有傳感器
- Piston bore: 12mm
- Sensor on the jaw.

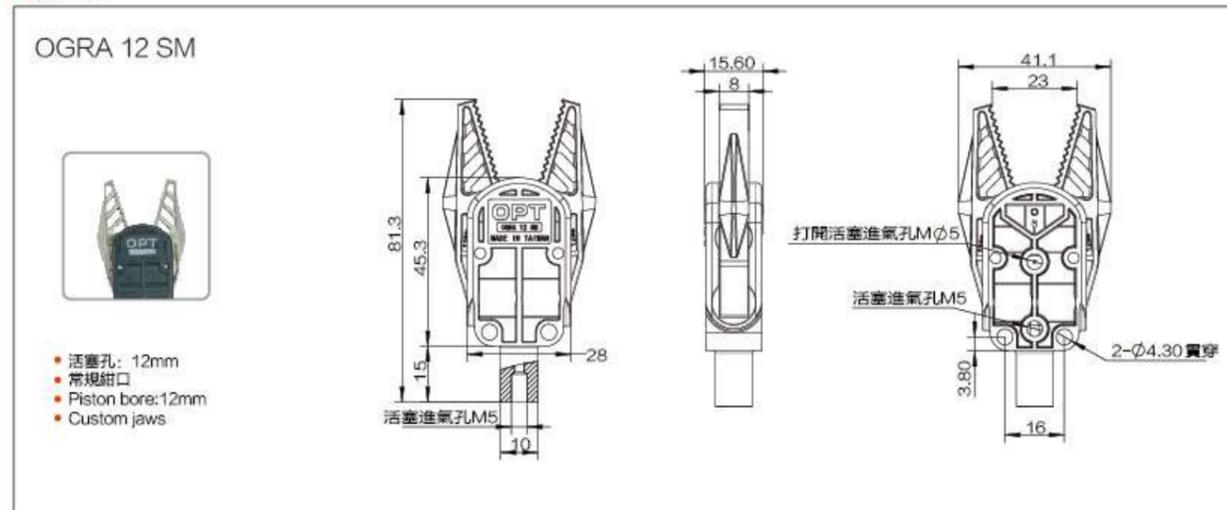
OGRA 12 SL

Technical drawing of the OGRA 12 SL gripper. It includes a perspective view, a side view, and a front view. Dimensions include a total height of 81.29mm, a main body height of 45.25mm, a 15mm offset, a 28mm jaw width, a 23.80mm body width, a 20mm offset, a 19.50mm offset, a 41.1mm jaw width, a 23mm jaw offset, a 3.80mm offset, a 16mm jaw width, and a 2-φ4.30mm hole. Callouts include '打開活塞進氣孔φ5' (Open φ5 piston inlet), '活塞進氣孔M5' (M5 piston inlet), and '2-φ4.30貫穿' (2-φ4.30 through hole). A small inset image shows the gripper in use.

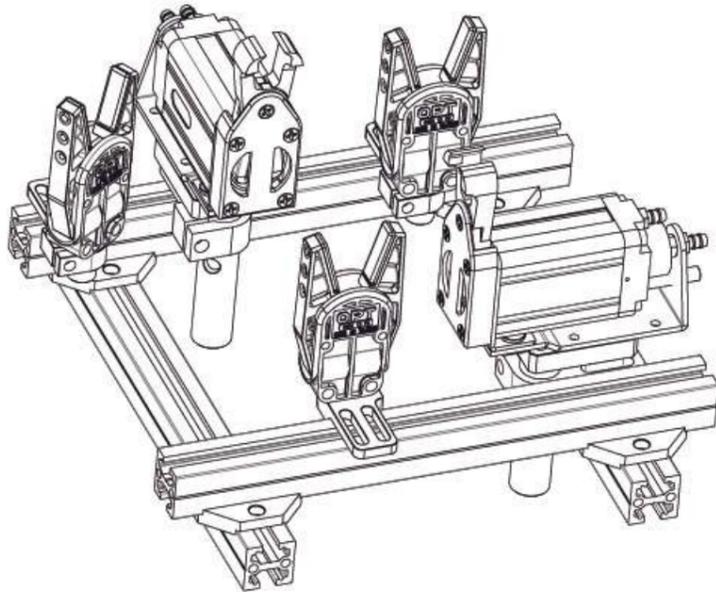
- 活塞孔: 12mm
- 定制鉗口
- Piston bore: 12mm
- Sensor on the jaw

≡ 抓取夾持系列

● 水口夾



運用實例 / Application example



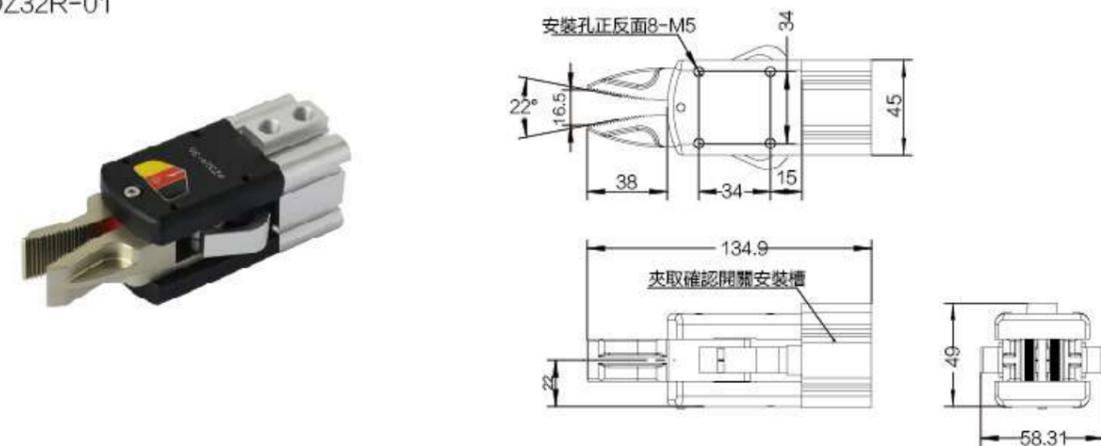
≡ 抓取夾持系列

● 老虎夾 Tiger clip



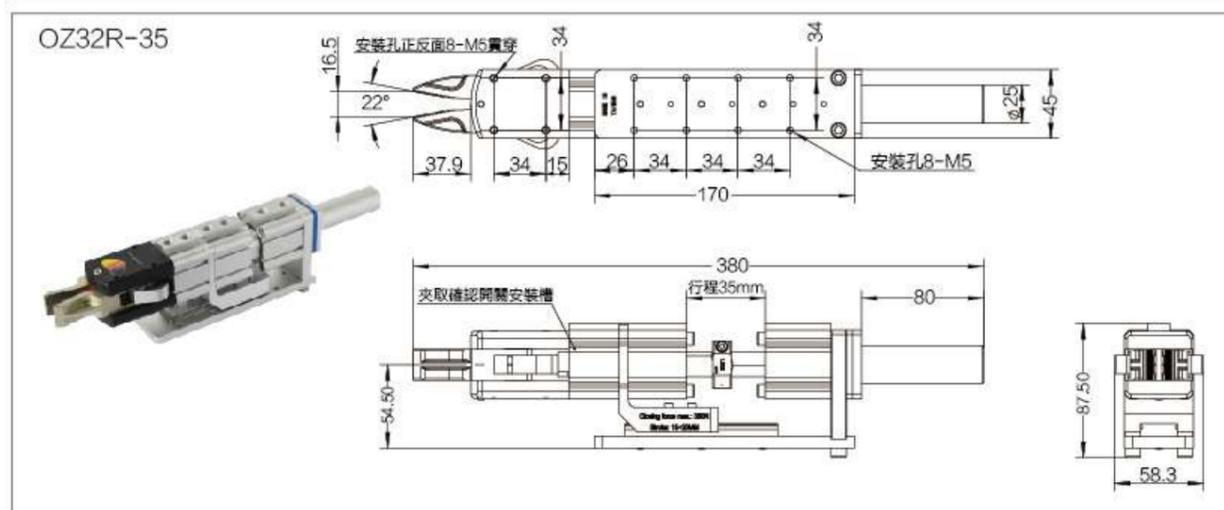
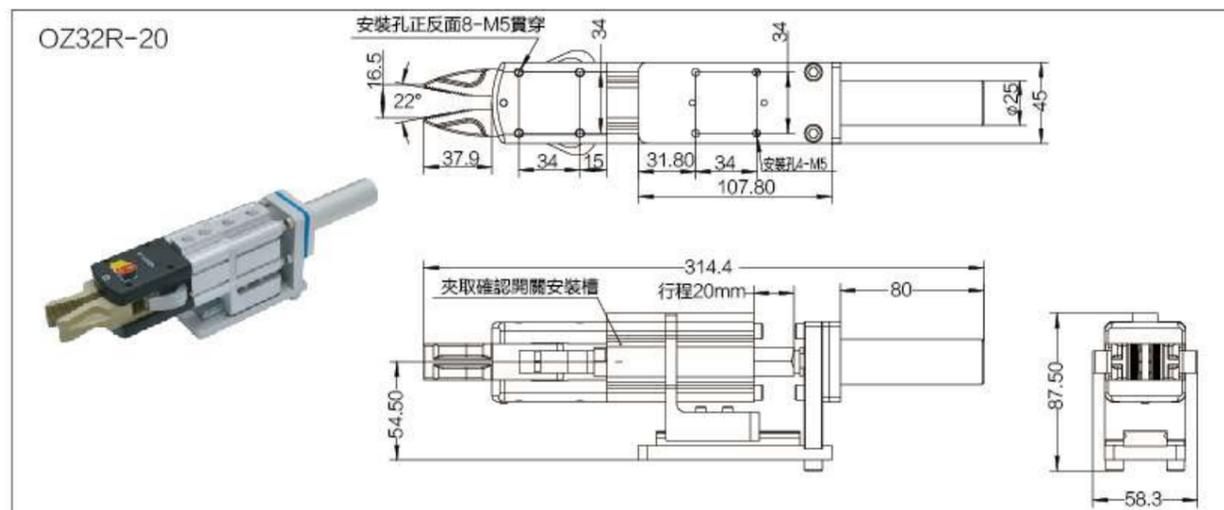
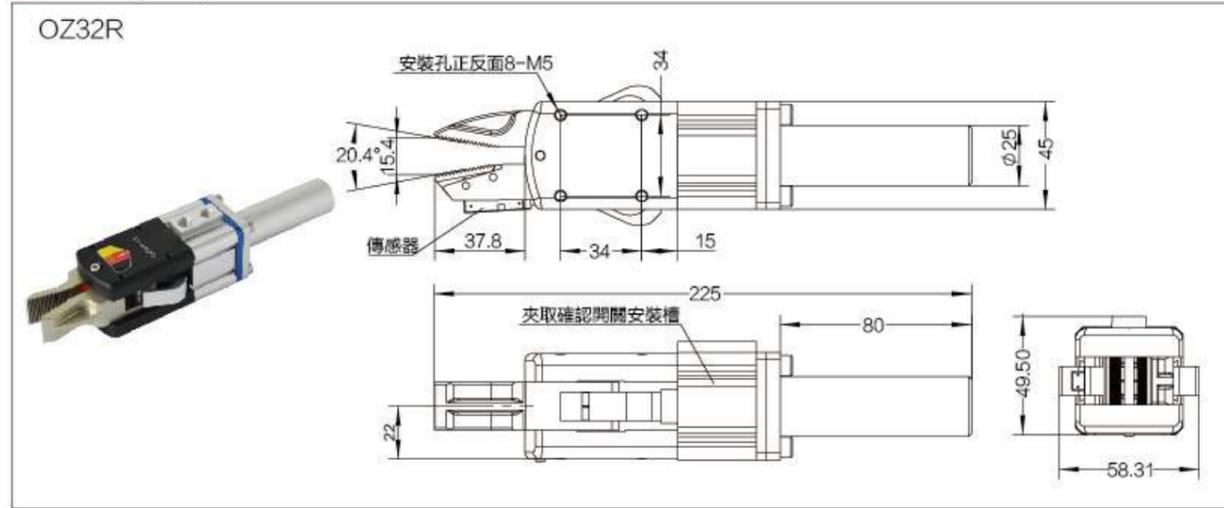
型號 Model	行程(±2°) Stroke	每一鉗口在6bar 壓力下的扭矩 gripping torque at 6 bar each jaw	气动接口 Pneumatic interface	重量 Weight	單價 Price
OZ32R-01	-	375N	G1/8	453g	
OZ32R	-	375N	G1/8	580g	
OZ32R-20	20mm	375N	G1/8	1350g	
OZ32R-35	35mm	375N	G1/8	1600g	

OZ32R-01



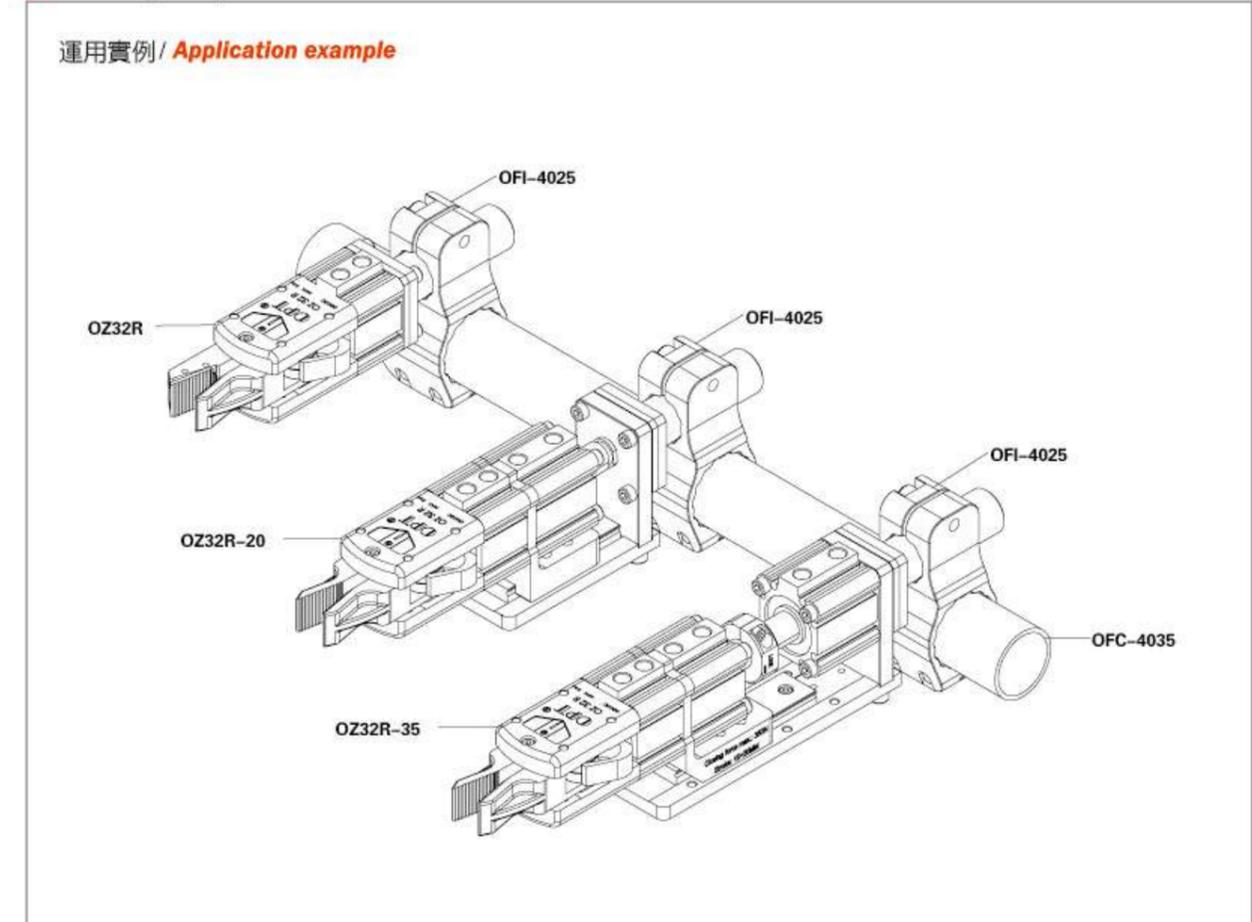
≡ 抓取夾持系列

● 老虎夾 Tiger clip



≡ 抓取夾持系列

● 老虎夾 Tiger clip



適用行業：注塑、汽車；
 應用於：大型汽車內飾、板金的取件、固定、夾取等工作。
 備註：外觀結構可根據客戶需求而定制。

Applicable industries: injection molding, automotive;
 Applicable to: large car interiors, sheet metal pick-up, fixing, clamping and so on.
 Note: The appearance structure can be customized according to customer needs.

抓取夾持系列

抓取夾持系列

●兩指平行夾>OGS

雙鉗口平行自動校準氣動夾具GS系列

- 雙動作
- 側隙專利調節系統。
- 壽命長，可靠性強，免維護。
- 不同的緊固選項。
- 可選的接近磁傳感器。
- 彈簧關閉(-NC)或彈簧打開(-NO)選項。
- 食物級潤滑油FDA-H1。

2-jaw parallel-acting self-centering pneumatic gripper series GS

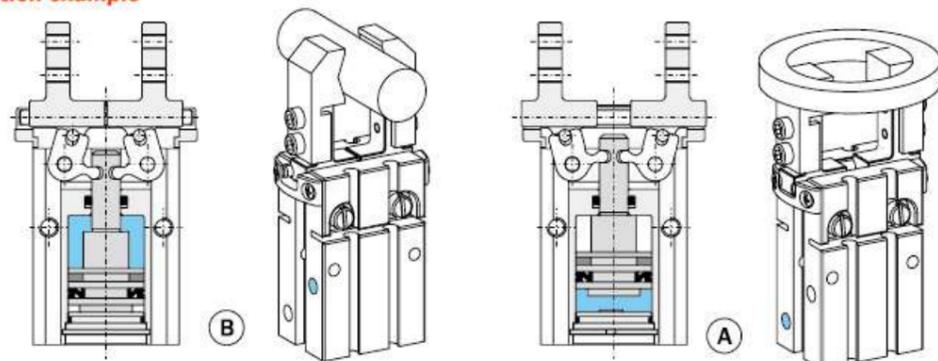
- Double action.
- Exclusive backlash adjusting system.
- Long life and reliability, maintenance free.
- Different options for fastening.
- Optional proximity magnetic sensors.
- Spring closed(-NC) or spring open(-NO) option.
- FDA-H1 food-grade grease.



OGS-06A OGS-06D OGS-10 OGS-16 OGS-20

型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Pressure range	每一鉗口在 6bar壓力下的 打開夾力 Opening gripping force at 6 bar each jaw	6bar壓力下 的打開總夾力 Opening total gripping force at 6 bar	每一鉗口在 6bar壓力下的 關閉夾力 Closing gripping force at 6 bar each jaw	6bar壓力下 的關閉 Closing total gripping force at 6 bar	總行程 Total stroke	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	重複精度 Repetition accuracy	重量 Weight	單價(元) Price(yuan)
OGS-06A	潤滑油 Lubrication	0.15+0.7bar	5° +60° C	6.1N	12.2N	1.7N	3.4N	4mm	3Hz	0.7cm ³	0.01s	0.02mm	21g	
OGS-06C	潤滑油 Lubrication	0.15+0.7bar	5° +60° C	6.1N	12.2N	1.7N	3.4N	4mm	3Hz	0.7cm ³	0.01s	0.01mm	26g	
OGS-10	潤滑油 Lubrication	2.5+8bar	5° +60° C	18N	36N	14N	28N	4.6mm	3Hz	0.7cm ³	0.01s	0.02mm	45g	
OGS-16	潤滑油 Lubrication	1.5+8bar	5° +60° C	50N	100N	43N	86N	6.8mm	3Hz	3cm ³	0.02s	0.02mm	98g	
OGS-20	潤滑油 Lubrication	1.5+8bar	5° +60° C	106N	212N	93N	186N	10.4mm	2Hz	7cm ³	0.05s	0.02mm	207g	

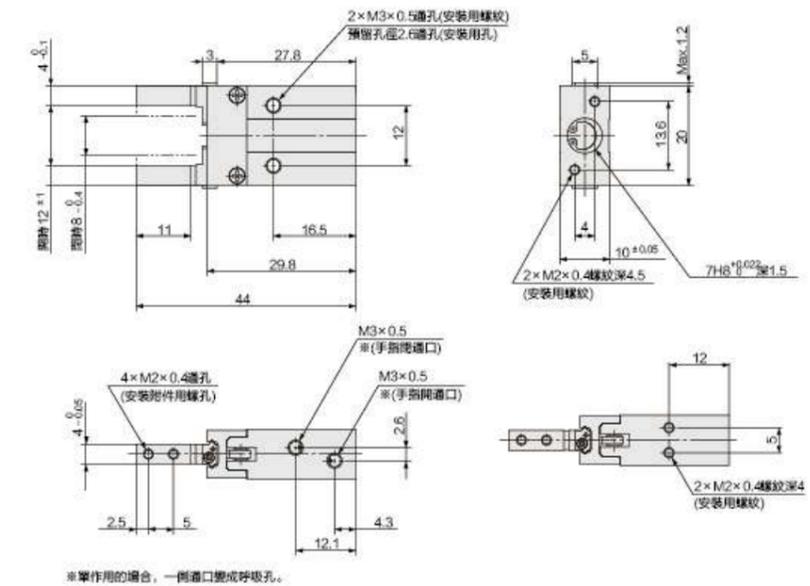
運用實例 / Application example



加壓室
Pressurized chamber

●兩指平行夾>OGS-06A

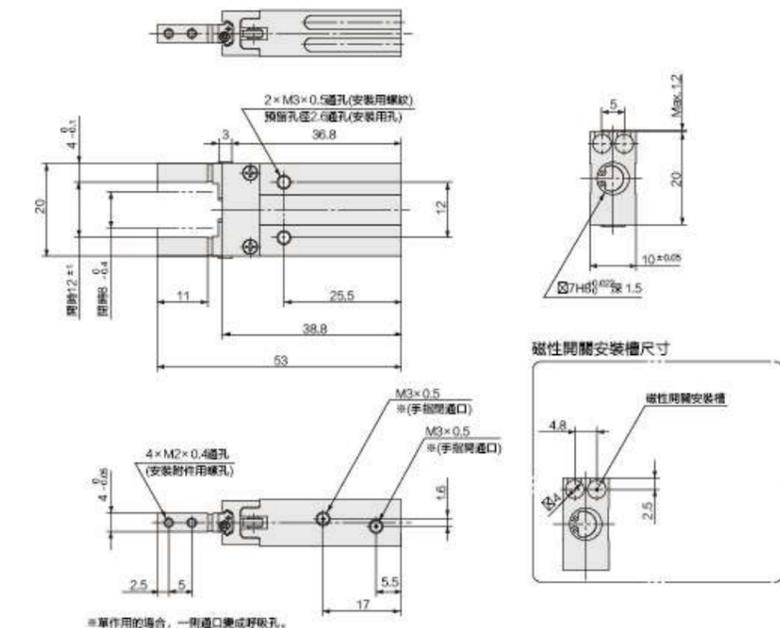
尺寸(mm) Dimensions (mm)



※單作用的情況，一側端口變成碎吸孔。

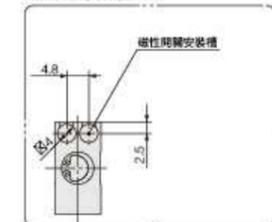
●兩指平行夾>OGS-06D

尺寸(mm) Dimensions (mm)



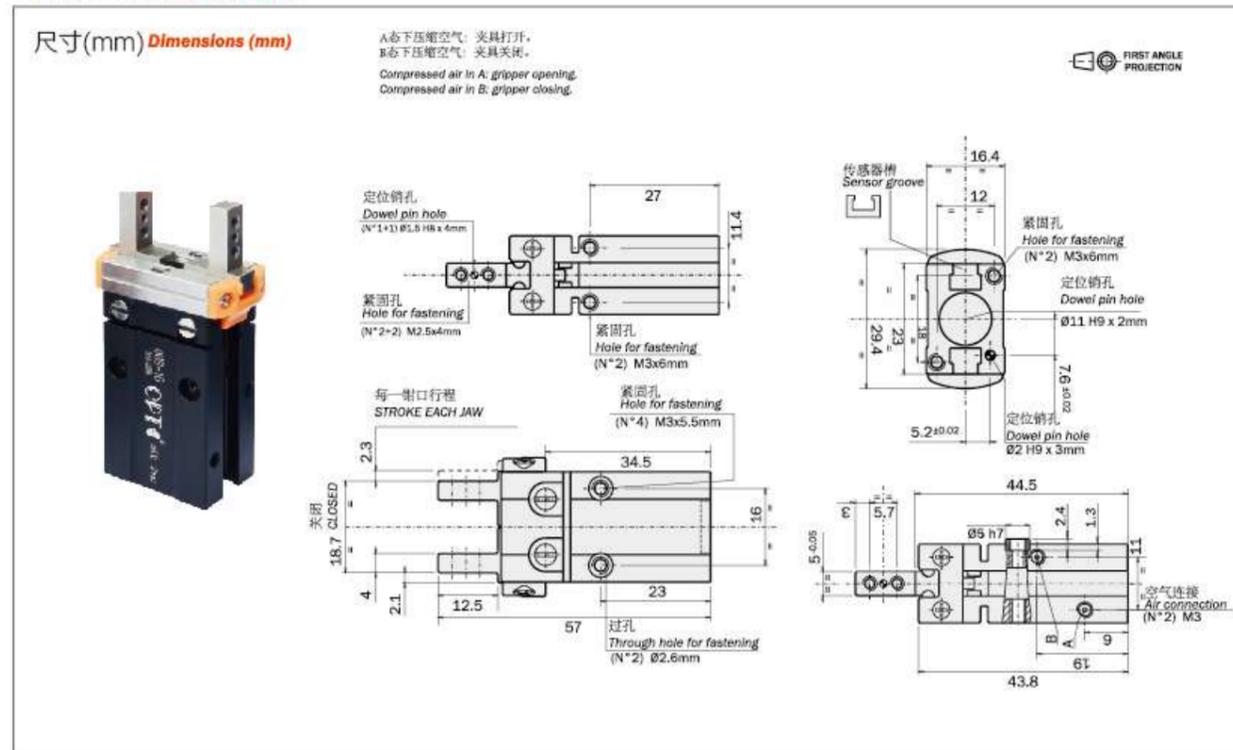
※單作用的情況，一側端口變成碎吸孔。

磁性開關安裝槽尺寸

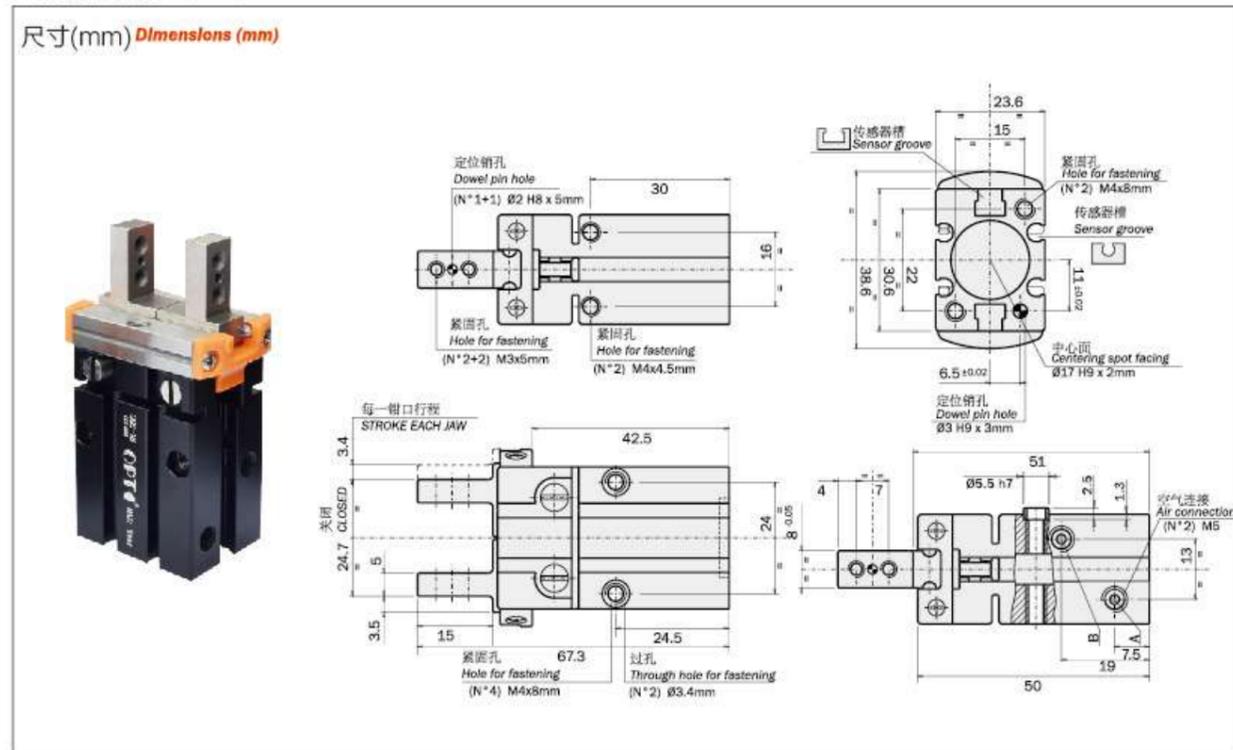


抓取夾持系列

●兩指平行夾>OGS-10

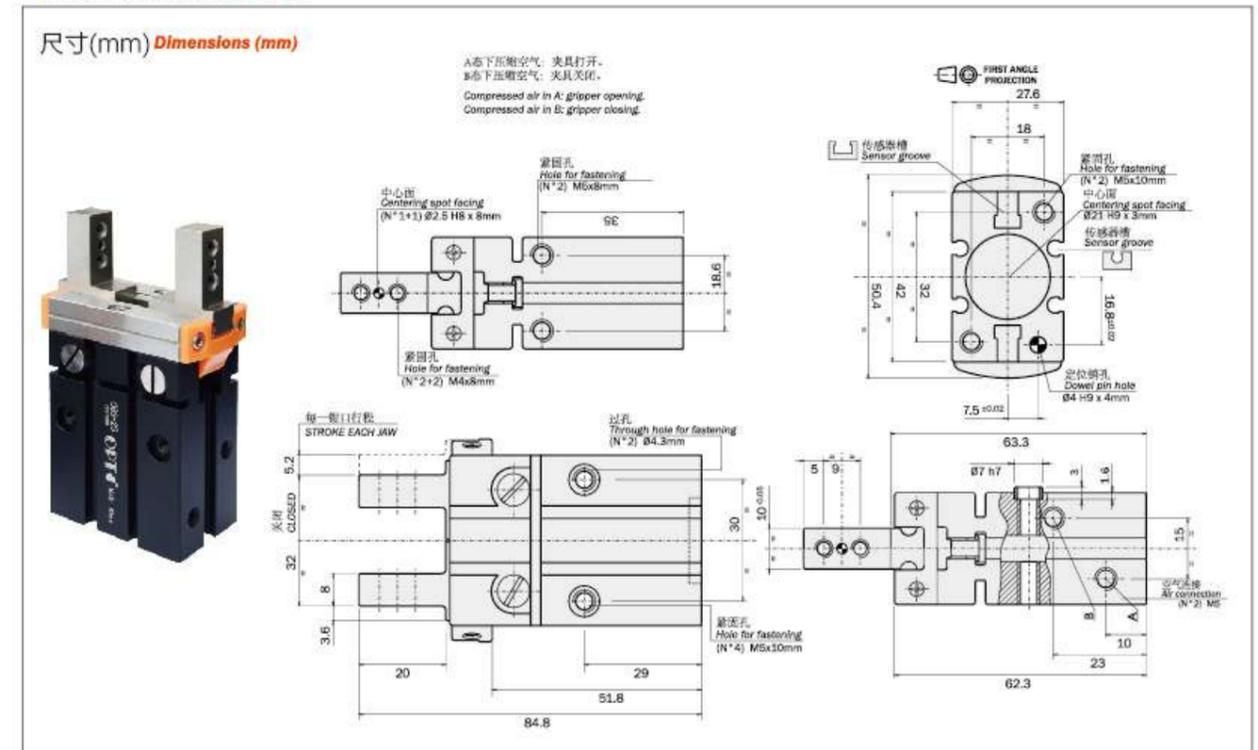


●兩指平行夾>OGS-16

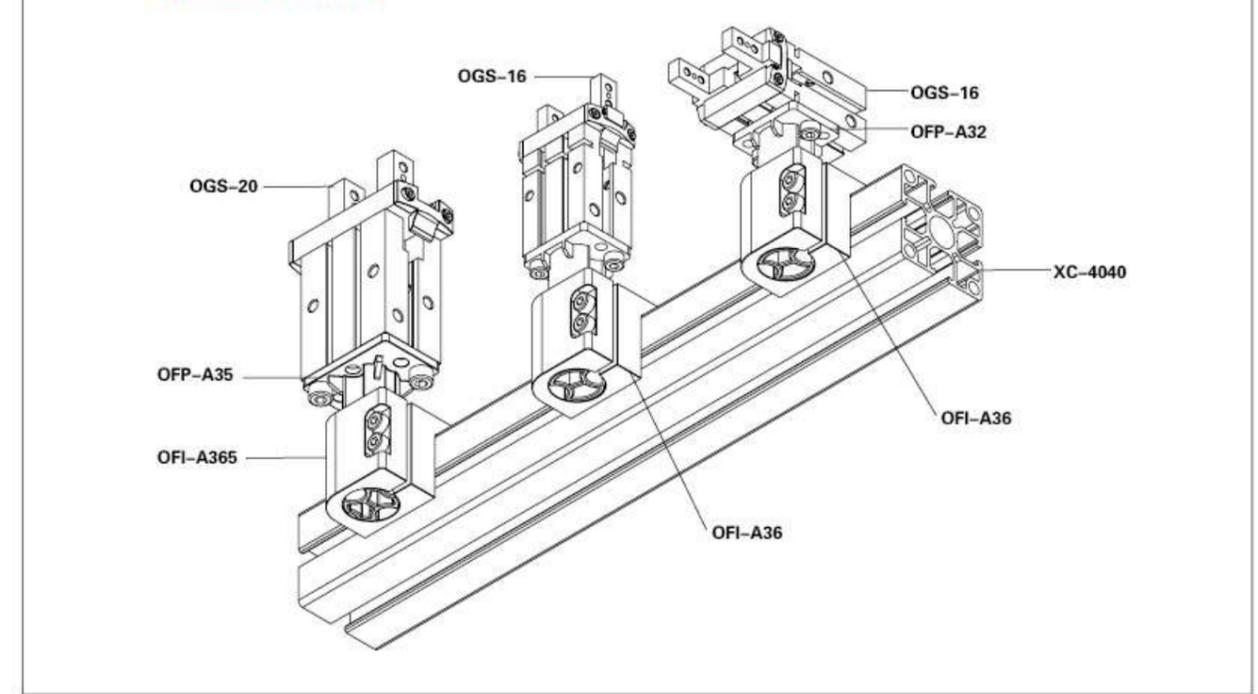


抓取夾持系列

●兩指平行夾>OGS-20



運用實例 / Application example



抓取夾持系列

抓取夾持系列

● 180度開閉夾爪>OGX系列

雙鉗口平行自動校準氣動夾具OGX系列
2-jaw parallel-acting self-centering pneumatic gripper series OGX

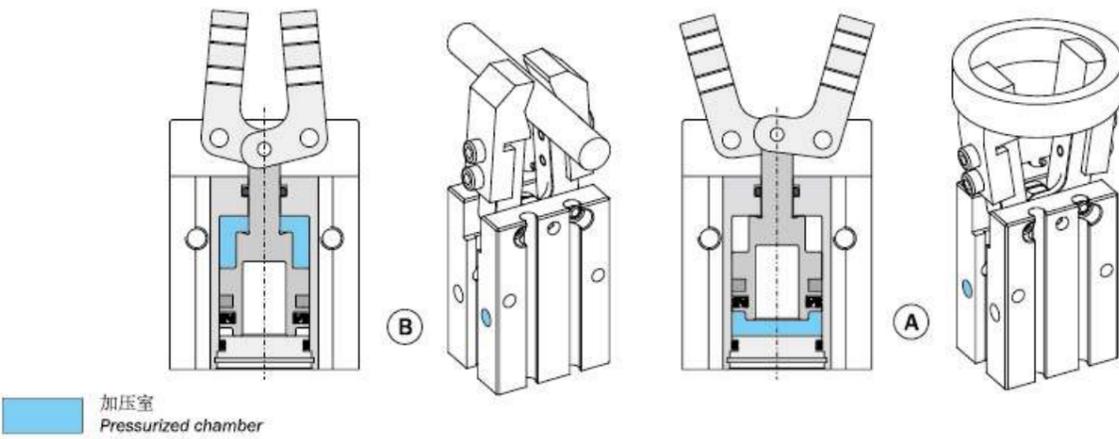
- 雙動作
- 側隙專利調節系統。
- 壽命長，可靠性強，免維護。
- 不同的緊固選項。
- 可選的接近傳感器。
- 彈簧關閉(-NC)或彈簧打開(-NO)選項。
- 食物級潤滑油FDA-H1。

- Double action.
- Exclusive backlash adjusting system.
- Long life and reliability, maintenance free.
- Different options for fastening.
- Optional proximity magnetic sensors.
- Spring closed(-NC) or spring open (-NO) option.
- FDA-H1 food-grade grease.

OGX-10S OGX-16S OGX-20S

型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Pressure range	每一鉗口在 6bar壓力下的 打開夾力 Opening gripping force at 6 bar each jaw	6bar壓力下 的打開總夾力 Opening total gripping force at 6 bar	每一鉗口在 6bar壓力下的 關閉夾力 Closing gripping force at 6 bar each jaw	6bar壓力下 的關閉總夾力 Closing total gripping force at 6 bar	總行程 Total stroke	最大工 作頻率 Maximum working frequency	循環空氣 消耗量 Cycle air consumption	空載關閉 時間 Closing time without load	重複精度 Repetition accuracy	重量 Weight	單價(元) Price(yuan)
OGX-10S	Food grade lubricant 食品級潤滑油	2+8bar	5° - 60° C.	11Ncm	22Ncm	8Ncm	16Ncm	2x20°	3Hz	0.7cm ³	0.005s	0.04°	39g	
OGX-16S	Food grade lubricant 食品級潤滑油	2+8bar	5° - 60° C.	45Ncm	90Ncm	36Ncm	72Ncm	2x20°	2Hz	3cm ³	0.005s	0.04°	88g	
OGX-20S	Food grade lubricant 食品級潤滑油	2+8bar	5° - 60° C.	89Ncm	178Ncm	78Ncm	156Ncm	2x20°	2Hz	6cm ³	0.005s	0.04°	171g	

運用實例 / Application example



● 180度開閉夾爪>OGX-10S

尺寸(mm) Dimensions (mm)

Pin hole positioning

Auto Switch Mounting Groove Dimensions

● 180度開閉夾爪>OGX-16S

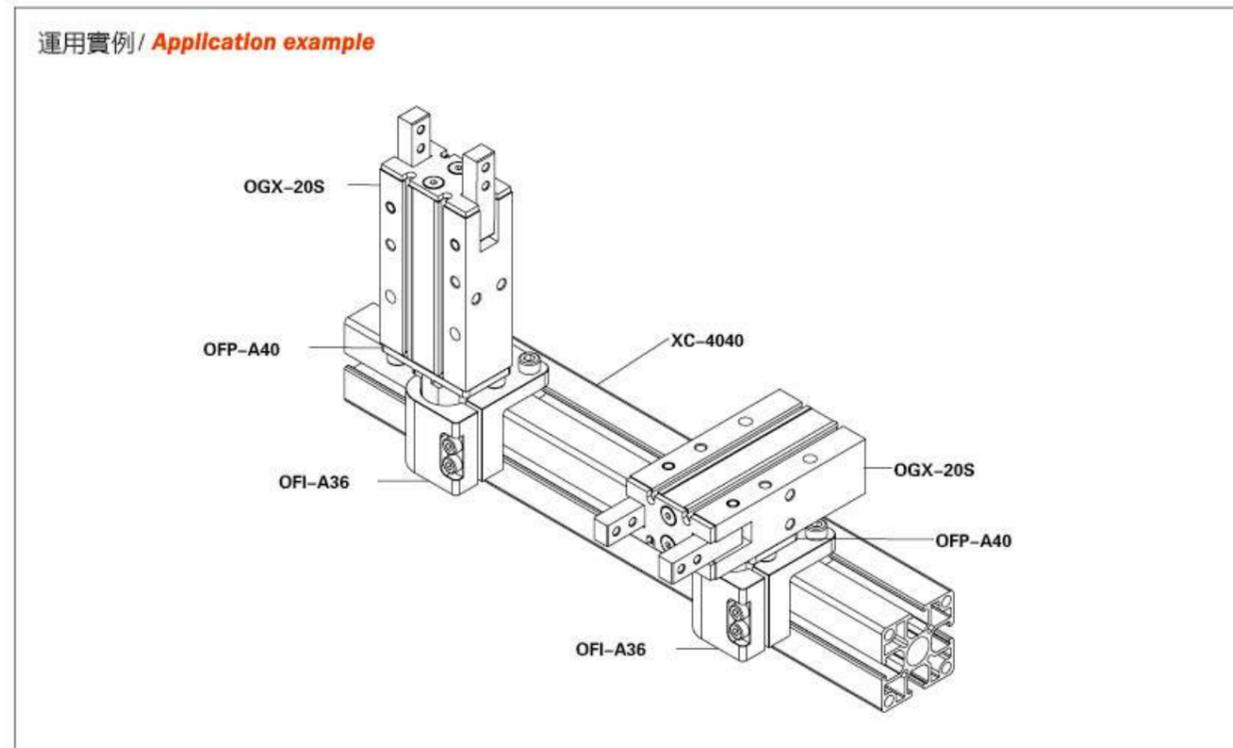
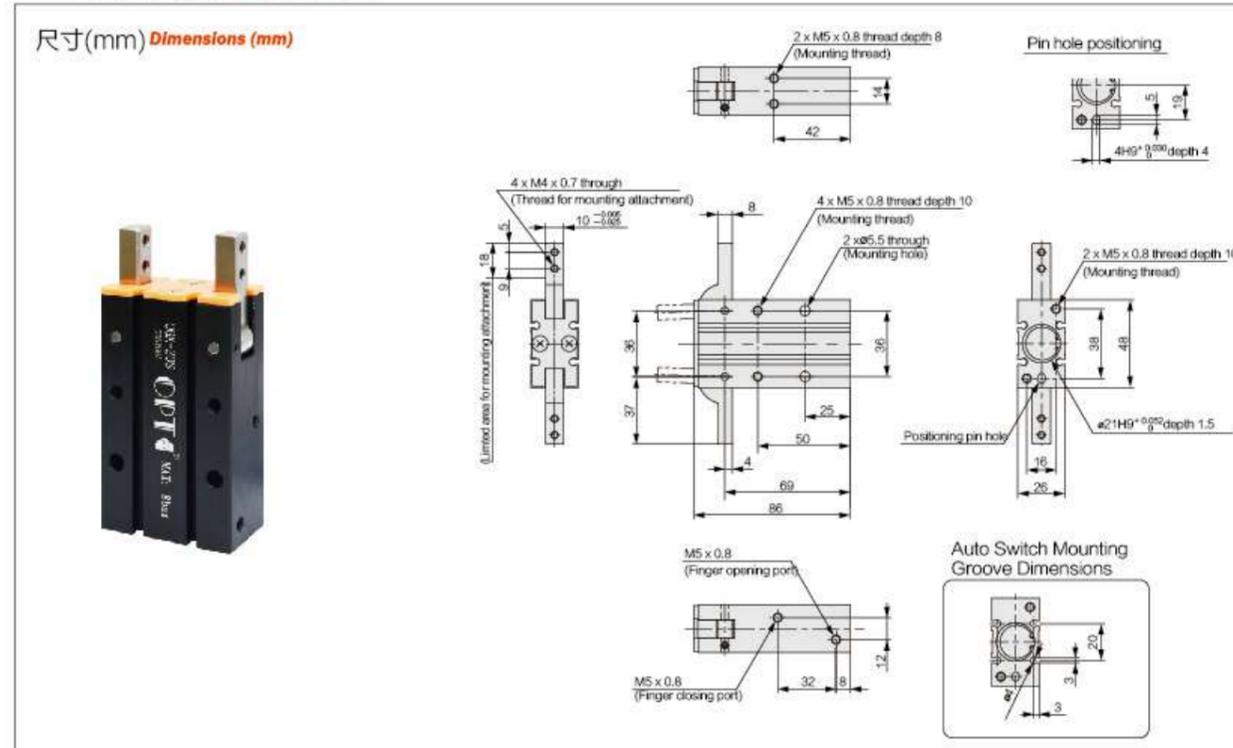
尺寸(mm) Dimensions (mm)

Pin hole positioning

Auto Switch Mounting Groove Dimensions

≡ 抓取夾持系列

● 180度開閉夾爪 > OGX-20S



≡ 抓取夾持系列

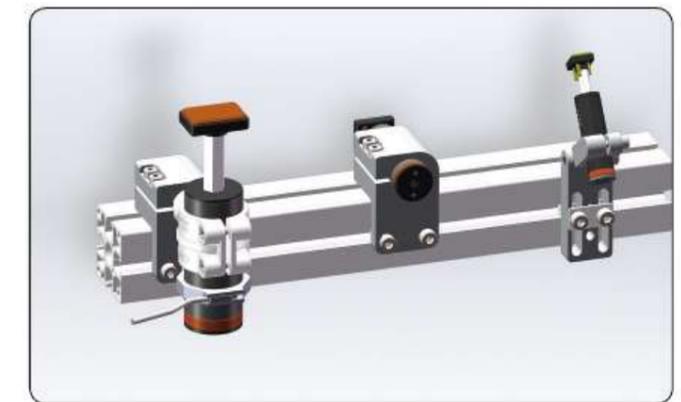
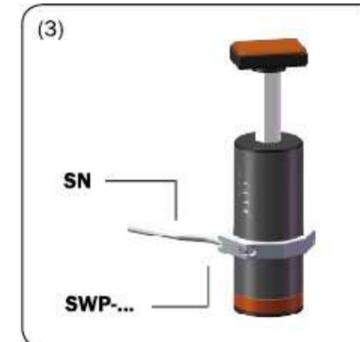
● 迷你氣缸 / Mini cylinders

單一動作的不可旋轉迷你氣缸

- 活塞孔: 10mm, 16mm, 25mm.
- 行程: 10mm, 20mm, 30mm.
- 一些夾子用的配件如OFI等需要安裝在外部(1).
- 一些配件需要安裝在活塞杆上(2).
- 可選: 傳感器和鉗夾(3).
- 食物級潤滑油FDA-H1.

General purpose, single-acting, anti-rotation mini cylinders

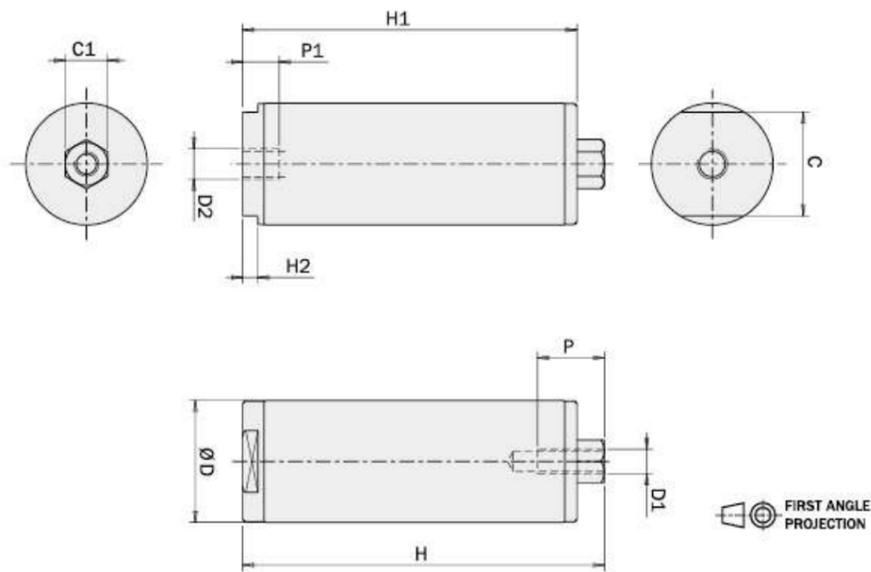
- Piston bore: 10mm, 16mm, 25mm.
- Stroke: 10mm, 20mm, 30mm.
- Several accessories OFI... for the clamp mounting on the external diameter (1).
- Several accessories to be mounted on the rod (2).
- Optional sensors and clamps (3).
- Food grade grease FDA-H1.



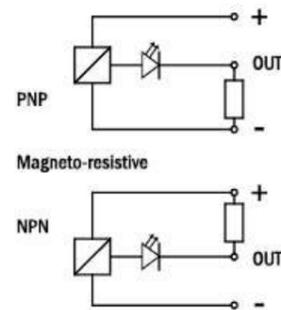
型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	行程 Stroke	活塞孔 Piston bore	0 bar壓力下的 觸發扭矩 Closing force at 0 bar	6 bar壓力下的 觸發扭矩 Opening force at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
OFC14-10	非潤滑壓縮空氣 (非潤滑壓縮空氣) Dry compressed air (Dry compressed air)	2 + 8 bar	5° + 60° C	10 mm	ø10 mm	4 N	43N	1 cm ³	20g	
OFC20-20		2 + 8 bar	5° + 60° C	20 mm	ø20 mm	8N	113N	4 cm ³	40g	
OFC30-30		2 + 8 bar	5° + 60° C	30 mm	ø30 mm	23N	271N	15 cm ³	85g	

抓取夾持系列

● 迷你氣缸 / Mini cylinders



型號 Model	C (mm)	C1 (mm)	D (mm)	D1 (mm)	D2 (mm)	H (mm)	H1 (mm)	H2 (mm)	P (mm)	P1 (mm)	單價(元) Price(yuan)
OFC14-10	12	5.5	Ø14	M3	M5	50	45.5	2.5	7	6	
OFC20-20	17	7	Ø20	M4	M5	59.5	55	2.5	9	6	
OFC30-30	27	7	Ø30	M4	M5	75	70.5	2.5	9	6	



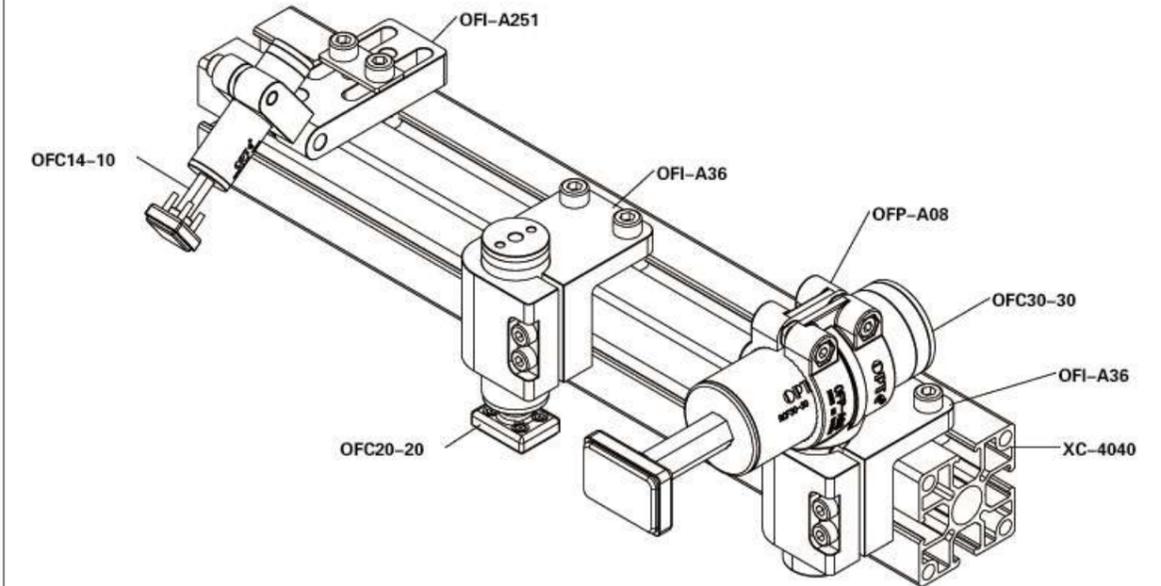
OFC	SWP
OFC14-10	SWP-014
OFC20-20	SWP-020
OFC30-30	SWP-030

SN	
OSS203M-PNP	電纜 2.5m / 2.5m cable
OSS203M-NPN	電纜 2.5m / 2.5m cable
OSG203M-PNP	連接器 M8 / Snap M8 plug connector
OSG203M-NPN	連接器 M8 / Snap M8 plug connector



● 迷你氣缸 / Mini cylinders

運用實例 / Application example



抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers



OWN-型號-1/2
(標準本體)



OWN-型號-1/2-SD
(標準本體加防護)



OWN-型號-1/2-AS/IS
(本體帶夾持力)



OWN-型號-1/2-AS/IS-SD
(本體帶夾持力加防護配置)



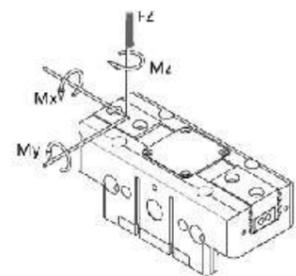
OWN-40A-1/2-AS/IS-SD-HT
(本體帶夾持力加防護、加耐高溫配置)
(本體材質不一樣)

選型圖 Selection chart



類型	型號	系列	夾持方向	加選外設
OWN: 二指夾爪	40A 50A 64A 80A 100A 110A 125A 160A 200A 220A 240A 300A 380A	1: 1系列 2: 2系列 字母: 配件	AS: 從外向內夾力 IS: 從內向外夾力 無: 標準件	SD: 加防護 HT: 加耐高溫配置 SD-HT: 加防護、加耐高溫配置 無: 無加外設

容許外力負載 Allow external force



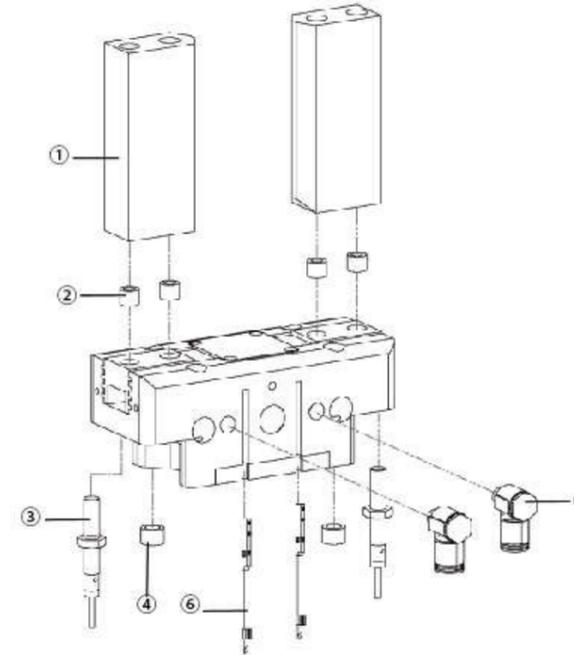
● 如果外力超過最大容許負載，產品使用壽命將會減少。
● If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

型號 Model	靜態抗力矩			靜態力 Fz max [N]	建議抓取重量 Grab weight[kg]
	Mx max [Nm]	My max [Nm]	Mz max [Nm]		
OWN-40A-1	10	12	5	250	0.65
OWN-50A-1/2	22	25	10	500	0.8 / 1.65
OWN-64A-1/2	45	60	45	1200	1.35 / 2.8
OWN-80A-1/2	60	95	55	1500	1.8 / 3.72
OWN-100A-1/2	80	115	70	2000	3.45 / 7.15
OWN-110A-1	125	150	100	2800	5.25
OWN-125A-1/2	120	145	100	2800	6.25 / 12.95
OWN-160A-1/2	170	180	130	4300	8.55 / 17.75
OWN-200A-1/2	180	200	140	5000	14 / 28.5
OWN-220A-1	160	170	125	4500	18.5
OWN-240A-1/2	260	250	160	6200	22.5 / 34.8
OWN-300A-1/2	400	400	250	8000	31 / 52
OWN-380A-1/2	560	560	370	10000	50.5 / 86.5

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

配件 Accessories



配件選型 Accessories selection

名稱 Name	圖 Pic	型號	尺寸										適用於 Apply to	
			A	B	C	D	E	F	G	H	I	J		
① 夾指 Grippers		OWN-40A-JZ	23.8	30	3.3	8	2-ø2.7貫穿孔ø5▽25	22.1	3.75	7.5	60°	ø4▽2	OWN-40A系列	
		OWN-50A-JZ	30.4	35	3.4	12.05	2-ø3.3貫穿孔ø6▽29	27.8	5.25	10.5	60°	ø5▽2	OWN-50A系列	
		OWN-64A-JZ	35	50	5	13	2-ø4.3貫穿孔ø8▽41	31.5	6.75	13.5	60°	ø6▽3	OWN-64A系列	
		OWN-80A-JZ	43	65	6	16	2-ø4.3貫穿孔ø8▽42	39	8.5	17	60°	ø8▽2.5	OWN-80A系列	
		OWN-100A-JZ	53.5	80	7	20	2-ø5.4貫穿孔ø11▽70	48.65	10	20	60°	ø10▽3	OWN-100A系列	
		OWN-110A-JZ												OWN-110A系列
		OWN-125A-JZ	67.5	100	10	24	2-ø6.4貫穿孔ø11▽90	61.38	13	26	60°	ø10▽3	OWN-125A系列	
		OWN-160A-JZ	86.5	120	12	32	2-ø10.5貫穿孔ø18▽105	79.28	15.5	31	60°	ø14▽4.5	OWN-160A系列	
		OWN-200A-JZ	100.5	140	14	40	2-ø13貫穿孔ø20▽120	92.4	18	36	60°	ø16▽4	OWN-200A系列	
		OWN-220A-JZ												OWN-220A系列
OWN-240A-JZ	116.5	150	16	44	2-ø13貫穿孔ø20▽130	108.4	19	38	60°	ø16▽4	OWN-240A系列			
OWN-300A-JZ	139	160	18	46	2-ø17貫穿孔ø26▽135	129.8	22.5	45	60°	ø22▽6	OWN-300A系列			
OWN-380A-JZ	174.2	180	25	64	2-ø21貫穿孔ø33▽150	161.5	30	60	60°	ø28▽7	OWN-380A系列			

≡ 抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

配件選型 Accessories selection

名稱 Name	圖 Pic	尺寸 型號	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	適用於
轉換頭 Changeable jaw 		OWHN-40A-A OWHN-40A-B	18.5	16	12	8	4	2	4	2	M2.5	M2.5	8	4	4	20	7.8	8	40A系列
		OWHN-50A-A OWHN-50A-B	20.5	22	18	11	5	2	6	2.5	M3	M3	12	5	5.5	28	9.5	5	50A系列
		OWHN-64A-A OWHN-64A-B	23.5	25	21	13.5	6	2.5	6	2.5	M5	M4	13	6	13	31	10	8	64A系列
		OWHN-80A-A OWHN-80A-B	28.5	32	24	17	8	2.5	8	3	M5	M5	16	8	8.5	38	12.4	10	80A系列
		OWHN-100A-A OWHN-100A-B	38	44	32	20	10	3	10	3	M6	M6	20	12	10	46	15	12	100A系列
		OWHN-110A-A OWHN-110A-B	65	56	46	38	14	4	14	4.5	M10	M10	32	12	19	58	18	35	110A系列
		OWHN-125A-A OWHN-125A-B	43	48	36	26	10	3	10	3	M6	M6	24	12	13	50	15	15	125A系列
		OWHN-160A-A OWHN-160A-B	65	56	46	38	14	4	14	4.5	M10	M10	32	12	19	58	18	35	160A系列
		OWHN-200A-A OWHN-200A-B	83	68	60	42	16	4	16	4.5	M12	M12	40	14	21	70	29	40	200A系列
		OWHN-220A-A OWHN-220A-B	65	56	46	38	14	4	14	4.5	M10	M10	32	12	19	58	18	35	220A系列
		OWHN-240A-A OWHN-240A-B	88	72	60	42	16	4	16	4.5	M12	M12	44	14	21	74	29	40	240A系列
		OWHN-300A-A OWHN-300A-B	100	83	76	52	22	5	22	6.5	M16	M16	46	18.5	26	85	38	40	300A系列
		OWHN-380A-A OWHN-380A-B	110	105	90	68	28	7	28	7.5	M20	M20	64	20.5	34	107	30	50	380A系列

快換手冊說明	Quick change finger instructions
1. 快速換爪機構 (OWHN-型號-A 1PCS)	1. Quick-change jaw mechanism (OWHN-Model-A 1PCS)
2. 連接匹配定位蓋孔	2. Connection matching positioning sleeve hole
3. 快速換爪與夾爪連接螺絲	3. Quick-change jaw and clamping jaw connecting screw
4. 手指連接界面	4. Finger connection interface
5. 手指連接螺絲孔及定位蓋孔 (OWHN-型號-B 2PCS)	5. Finger connecting screw hole and positioning step (OWHN-Model-B 2PCS)

夾指定位套 Centering disc	圖 Pic	型號 Model	適用於 Apply to
		OWHN-40A-GDJ	OWN-40A系列
		OWHN-50A-GDJ	OWN-50A系列
		OWHN-64A-GDJ	OWN-64A系列, OWN-80A系列
		OWHN-100A-GDJ	OWN-100A系列, OWN-125A系列, OWN-135A系列
		OWHN-160A-GDJ	OWN-160A系列
		OWHN-200A-GDJ	OWN-200A系列, OWN-240A系列
		OWHN-300A-GDJ	OWN-300A系列
		OWHN-380A-DWT	OWN-380A系列

連接線 Connection line	圖 Pic	型號 Model	長度 Length	適用於 Apply to
		OHWN-LINEA-300	3m	OWN-40A系列, OWN-50A系列, OWN-64A系列, OWN-80A系列, OWN-100A系列, OWN-125A系列, OWN-135A系列, OWN-160A系列, OWN-200A系列, OWN-240A系列, OWN-300A系列, OWN-380A系列
		OHWN-LINEA-500	5m	
		OHWN-LINEB-300	3m	
		OHWN-LINEB-500	5m	

≡ 抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

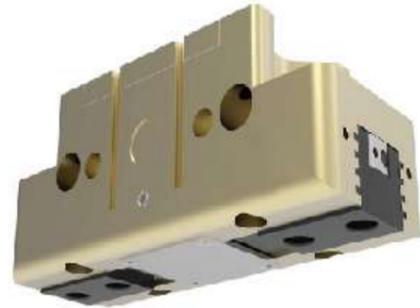
配件選型 Accessories selection

名稱 Name	圖 Pic	型號 Model	訂購碼 Item code	尺寸 Size	適用於 Apply to	
⑤ 感應器 Sensor	 磁性開關	OSG203M-PNP			OWN-40A系列, OWN-50A系列, OWN-64A系列, OWN-80A系列, OWN-100A系列, OWN-110A系列, OWN-125A系列, OWN-160A系列, OWN-200A系列, OWN-220A系列, OWN-240A系列	
		OSG203M-NPN				
		OST203M-PNP				
	 磁性開關	OST203M-NPN				
		OSA203M-PNP				
	 光電開關	OSA203M-NPN				
		ORL08BF15DNO				
		ORL08BF15DNC				
		ORL08BF15DPO				
		ORL08BF15DPC				
⑥ 氣接頭 Gas connector		ORL08BF15DNO-E1		OWN-64A系列, OWN-80A系列, OWN-100A系列, OWN-110A系列, OWN-125A系列, OWN-160A系列, OWN-200A系列, OWN-220A系列, OWN-240A系列		
		ORL08BF15DNC-E1				
		ORL08BF15DPO-E1				
		ORL08BF15DPC-E1				
		AP.RO-137-AS1			M3-φ4	OWN-40A系列
		AP.RO-137-AS2			M3-φ4	OWN-40A系列
⑥ 氣接頭 Gas connector		AP.5002000N20		OWN-50A系列, OWN-64A系列, OWN-80A系列		
		PL4				
		PL6				
		AP.5002000N03				
		AP.5002000N05				
		GPL4-G01			G1/8-φ6 G1/8-φ8	OWN-100A系列, OWN-110A系列, OWN-125A系列, OWN-160系列, OWN-200A系列, OWN-220A系列, OWN-240A系列
		GPL6-G01				
		GPL8-G01				
		AP.5002000N04			G1/4-φ6 G1/4-φ8	OWN-300A系列, OWN-380系列
		AP.5002000N06				
GPL6-G02						
GPL8-G02						

抓取夾持系列

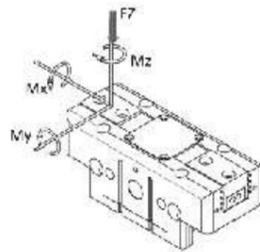
二指平行機械夾爪 / 2-jaw parallel grippers

OWN-50A



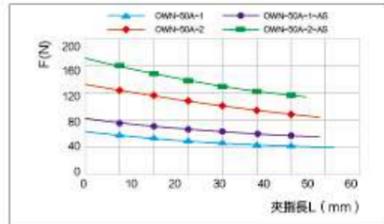
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

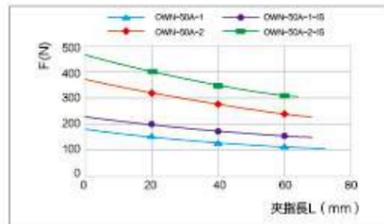


Mx max (Nm)	22
My max (Nm)	25
Mz max (Nm)	10
Fz max (N)	500

夾持力曲線圖 - 氣爪關閉 Clamping force graph - gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve - Gripper open



隨夾持點距離的不同，夾持力的變化曲線

Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持距離為0, 懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OWN-50A-1	4	160	180		0.15	0.8	±0.01	4.9	0.02	0.02	2.5	8	0.18	72	
OWN-50A-1-AS	4	205		45	0.21	0.8	±0.01	8.4	0.02	0.03	4	6.5	0.18	68	
OWN-50A-1-IS	4		225	45	0.21	0.8	±0.01	11	0.03	0.02	4	6.5	0.18	68	
OWN-50A-2	2	330	370		0.15	1.65	±0.01	4.9	0.02	0.02	2.5	8	0.18	68	
OWN-50A-2-AS	2	425		95	0.21	1.65	±0.01	8.4	0.02	0.03	4	6.5	0.18	64	
OWN-50A-2-IS	2		465	95	0.21	1.65	±0.01	11	0.03	0.02	4	6.5	0.18	64	

加防護結構 / Add protective structure

型號 Model	OWN-50A-1-SD	OWN-50A-1-AS-SD	OWN-50A-1-IS-SD	OWN-50A-2-SD	OWN-50A-2-AS-SD	OWN-50A-2-IS-SD
重量 Weight(kg)		0.18	0.24	0.24	0.18	0.24
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

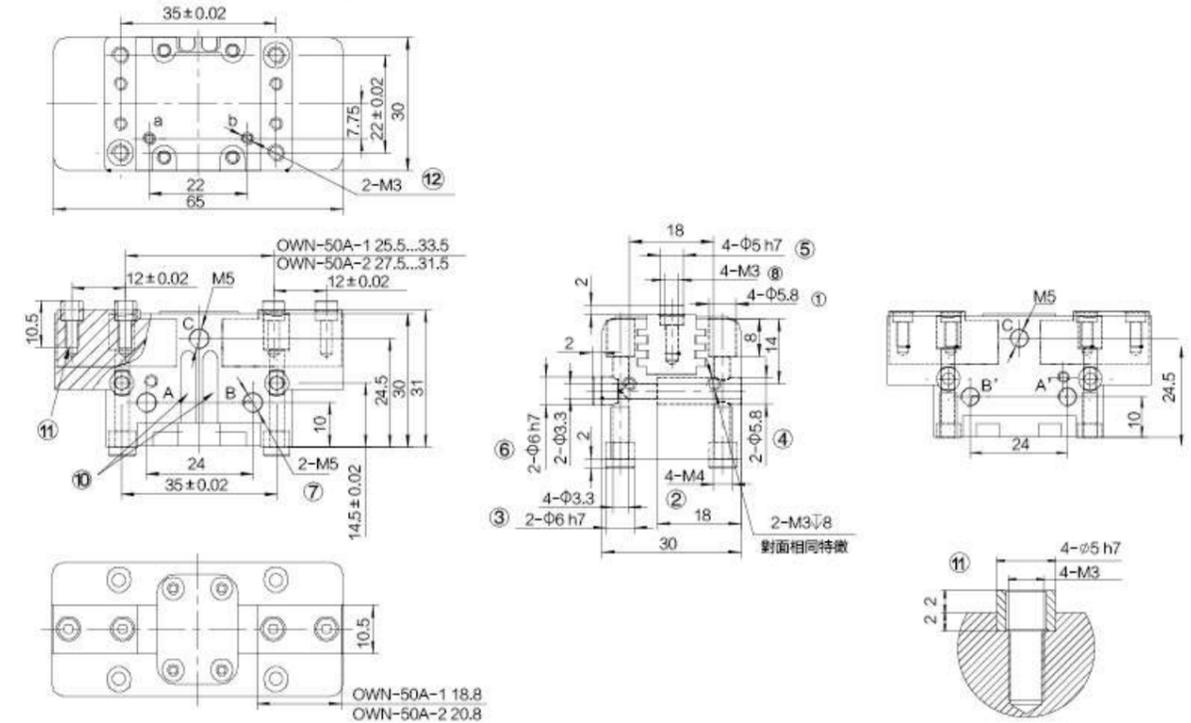
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-50A-1-HT	OWN-50A-1-AS-HT	OWN-50A-1-IS-HT	OWN-50A-2-HT	OWN-50A-2-AS-HT	OWN-50A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

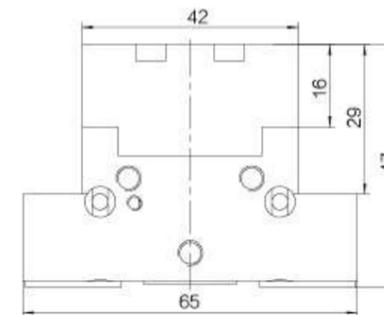
抓取夾持系列

二指平行機械夾爪 / 2-jaw parallel grippers

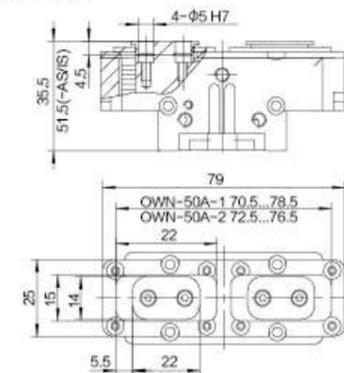
OWN-50A尺寸圖 / Application example



AS/IS

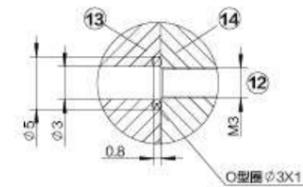


防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
- ③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
- ④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
- ⑤ 夾指定位套 Clip designated sleeve
- ⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
- ⑦ 壓縮空氣接口 Compressed air interface
- ⑧ 夾指固定螺紋孔 Finger fixing screw hole
- ⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
- ⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑪ 爪頭連接說明 Claw head connection instructions
- ⑫ 接氣孔 Air inlet
- ⑬ 連接法蘭 Mounting flange
- ⑭ 氣爪 Gripper

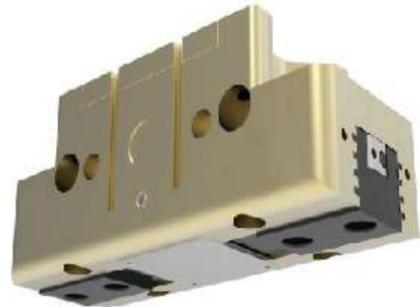
底部進氣說明 Bottom intake description



抓取夾持系列

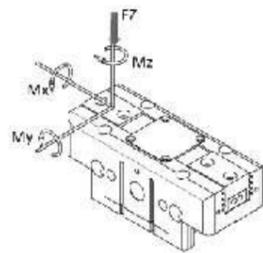
二指平行機械夾爪 / 2-jaw parallel grippers

OWN-64A



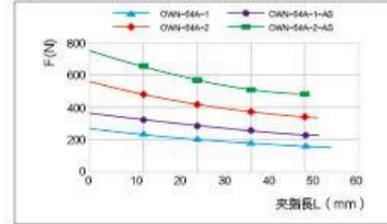
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

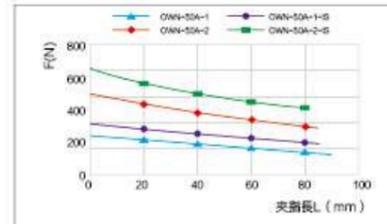


Mx max (Nm)	45
My max (Nm)	60
Mz max (Nm)	45
Fz max (N)	1200

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 (元) Price (USD)
OWN-64A-1	6	270	300		0.27	1.35	±0.01	10	0.03	0.03	2.5	8	0.35	90	
OWN-64A-1-AS	6	360		90	0.37	1.35	±0.01	17	0.02	0.04	4	6.5	0.35	85	
OWN-64A-1-IS	6		390	90	0.37	1.35	±0.01	20.8	0.04	0.02	4	6.5	0.35	85	
OWN-64A-2	3	560	620		0.27	2.8	±0.01	10	0.03	0.03	2.5	8	0.35	85	
OWN-64A-2-AS	3	750		190	0.37	2.8	±0.01	17	0.02	0.04	4	6.5	0.35	80	
OWN-64A-2-IS	3		810	190	0.37	2.8	±0.01	20.8	0.04	0.02	4	6.5	0.35	80	

加防護結構 / Add protective structure

型號 Model	OWN-64A-1-SD	OWN-64A-1-AS-SD	OWN-64A-1-IS-SD	OWN-64A-2-SD	OWN-64A-2-AS-SD	OWN-64A-2-IS-SD
重量 Weight(kg)		0.34	0.44	0.44	0.34	0.44
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

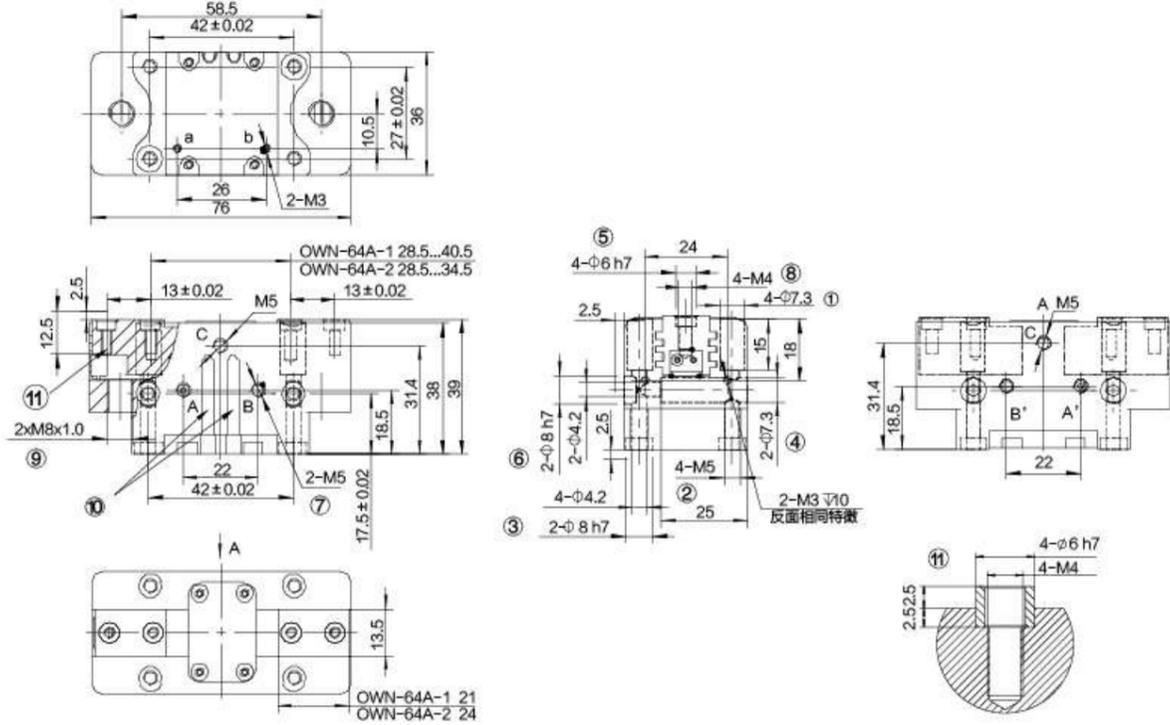
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-64A-1-HT	OWN-64A-1-AS-HT	OWN-64A-1-IS-HT	OWN-64A-2-HT	OWN-64A-2-AS-HT	OWN-64A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

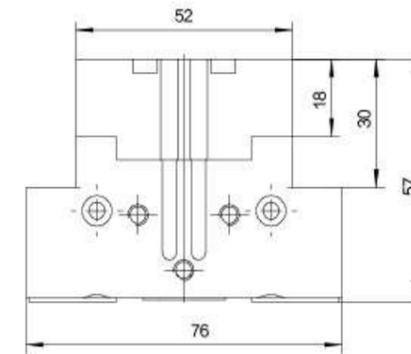
抓取夾持系列

二指平行機械夾爪 / 2-jaw parallel grippers

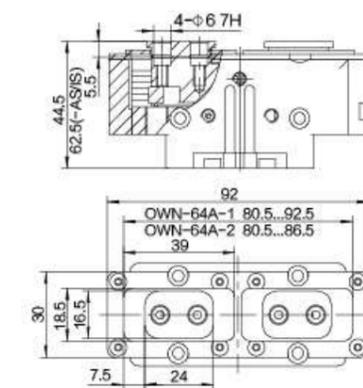
OWN-64A尺寸圖 / Application example



AS/IS

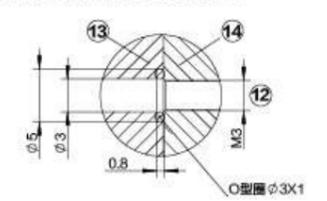


防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
- ③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
- ④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
- ⑤ 夾指定位套 Clip designated sleeve
- ⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
- ⑦ 壓縮空氣接口 Compressed air interface
- ⑧ 夾指固定螺紋孔 Finger fixing screw hole
- ⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
- ⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑪ 爪頭連接說明 Claw head connection instructions
- ⑫ 進氣孔 Air inlet
- ⑬ 連接法蘭 Mounting flange
- ⑭ 夾爪 Gripper

底部進氣說明 Bottom intake description

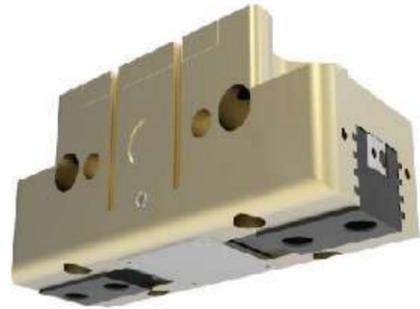


- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣吹掃接口 Air purge interface
- A' 備用空氣接口(關閉) Spare air connection (closed)
- B' 備用空氣接口(打開) Spare air connection (open)

≡ 抓取夾持系列

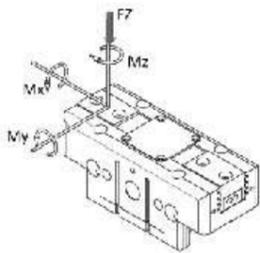
● 二指平行機械夾爪 / 2-jaw parallel grippers

OWN-80A



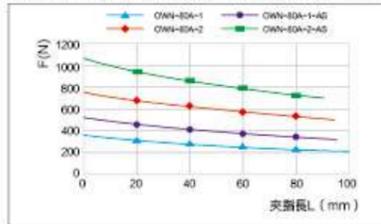
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

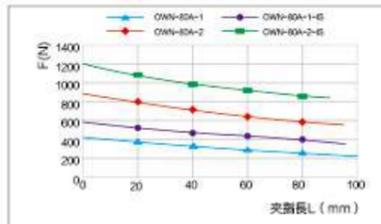


Mx max (Nm)	60
My max (Nm)	95
Mz max (Nm)	55
Fz max (N)	1500

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線

- Variation curve of clamping force with different clamping point distance
- 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨值體的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 (元) Price(yuan)
OWN-80A-1	8	360	430		0.5	1.8	±0.01	22.3	0.04	0.04	2.5	8	0.5	100	
OWN-80A-1-AS	8	515		155	0.6	1.8	±0.01	36	0.03	0.05	4	6.5	0.5	95	
OWN-80A-1-IS	8		585	155	0.6	1.8	±0.01	42	0.05	0.03	4	6.5	0.5	95	
OWN-80A-2	4	745	890		0.5	3.72	±0.01	22.3	0.04	0.04	2.5	8	0.5	95	
OWN-80A-2-AS	4	1065		320	0.6	3.72	±0.01	36	0.03	0.05	4	6.5	0.5	90	
OWN-80A-2-IS	4		1210	320	0.6	3.72	±0.01	42	0.05	0.03	4	6.5	0.5	90	

加防護結構 / Add protective structure

型號 Model	OWN-80A-1-SD	OWN-80A-1-AS-SD	OWN-80A-1-IS-SD	OWN-80A-2-SD	OWN-80A-2-AS-SD	OWN-80A-2-IS-SD
重量 Weight(kg)		0.6	0.7	0.7	0.6	0.7
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

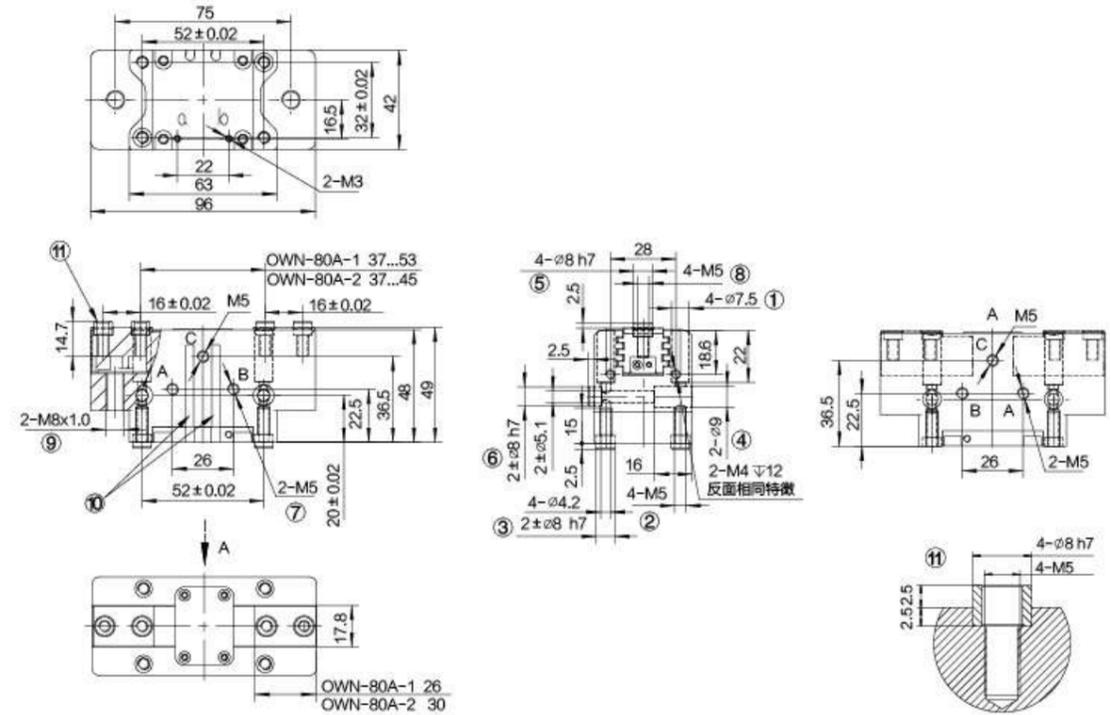
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-80A-1-HT	OWN-80A-1-AS-HT	OWN-80A-1-IS-HT	OWN-80A-2-HT	OWN-80A-2-AS-HT	OWN-80A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 - 130	-10 - 130	-10 - 130	-10 - 130	-10 - 130	-10 - 130

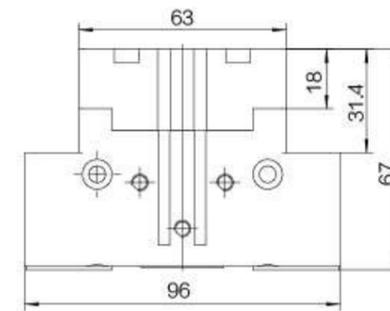
≡ 抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

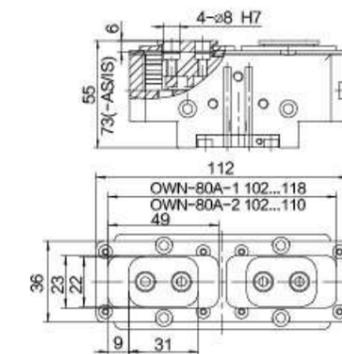
OWN-80A尺寸圖 / Application example



AS/IS

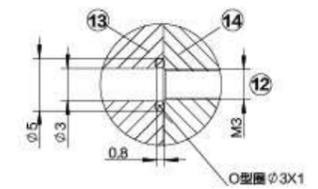


防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
- ③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
- ④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
- ⑤ 夾指定位套 Clip designated sleeve
- ⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
- ⑦ 壓縮空氣接口 Compressed air interface
- ⑧ 夾指固定螺紋孔 Finger fixing screw hole
- ⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
- ⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑪ 爪頭連接說明 Claw head connection instructions
- ⑫ 進氣孔 Air inlet
- ⑬ 連接法蘭 Mounting flange
- ⑭ 夾爪 Gripper
- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣吹掃接口 Air purge interface
- A' 備用空氣接口(關閉) Spare air connection (closed)
- B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

● 二指平行機械夾爪 / 2-jaw parallel grippers

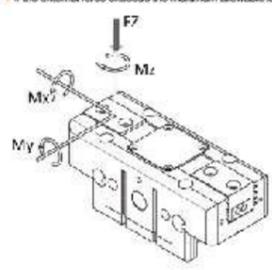
OWN-110A



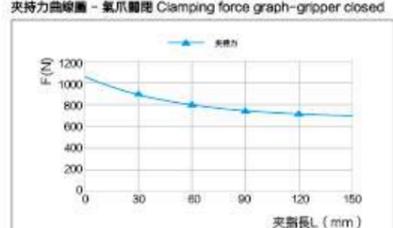
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

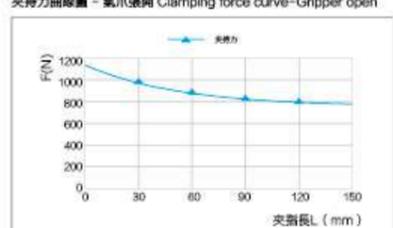
Mx max (Nm)	125
My max (Nm)	150
Mz max (Nm)	100
Fz max (N)	2800



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 (元) Price(yuan)
OWN-110A-1	20	1050	1150		2	5.25	±0.01	97	0.15	0.15	2.5	8	2	150	

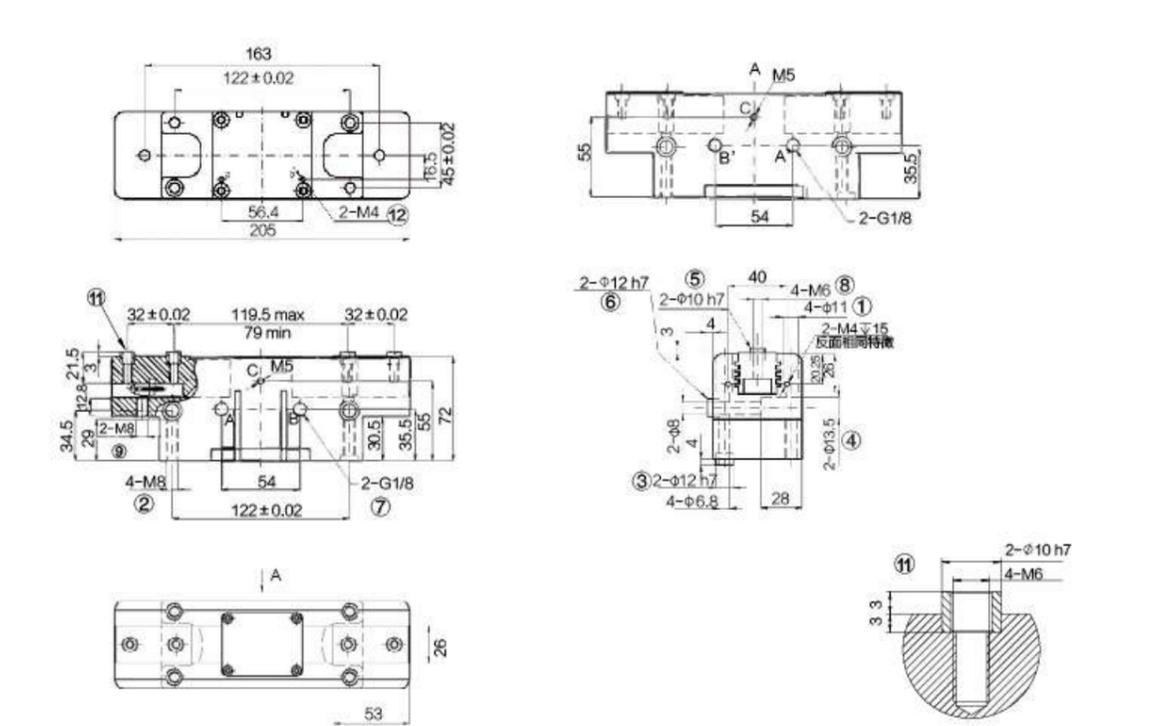
加防護結構 / Add protective structure

型號 Model	OWN-110A-1-SD
重量 Weight(kg)	2.3
防護等級 Protection to IEC 60529	IP64

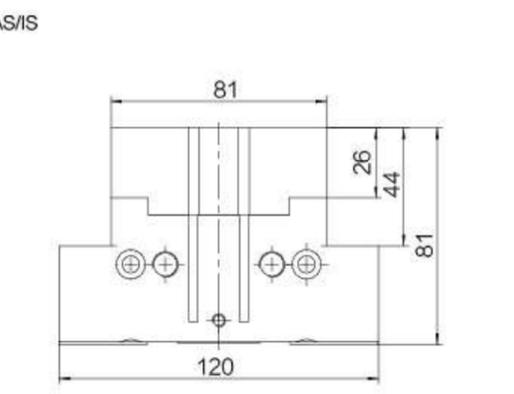
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-110A-1-HT
工作溫度 Operating temperature(°C)	-10 ~ 130

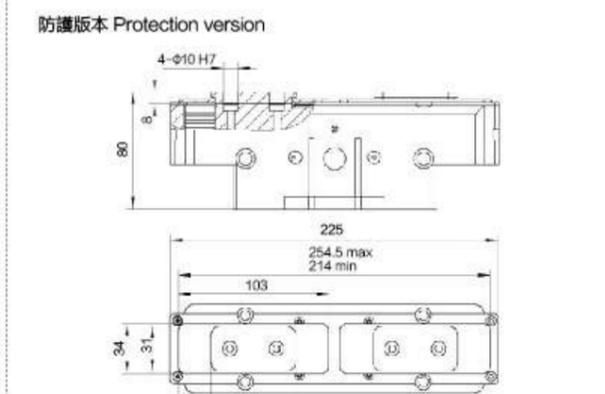
OWN-110A尺寸圖 / Application example



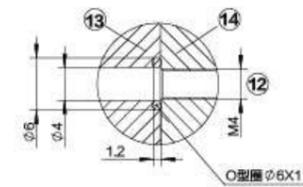
AS/IS



防護版本 Protection version



底部進氣說明 Bottom intake description



① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾指定位套 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾指固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

抓取夾持系列

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

● 二指平行機械夾爪 / 2-jaw parallel grippers

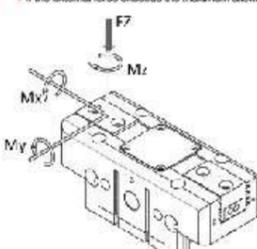
OWN-125A



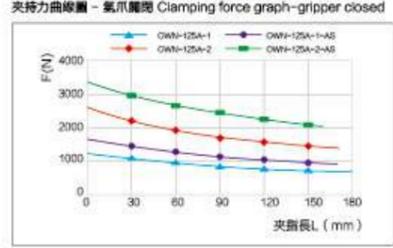
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

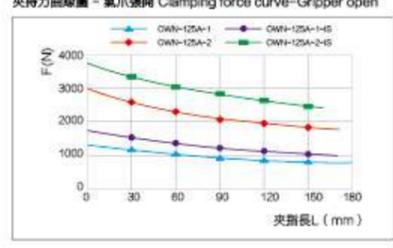
Mx max [Nm]	120
My max [Nm]	145
Mz max [Nm]	100
Fz max [N]	2800



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 (元) Price(yuan)
OWN-125A-1	13	1250	1400		1.24	6.25	±0.01	86	0.10	0.10	2.5	8	2.1	180	
OWN-125A-1-AS	13	1640		390	1.85	6.25	±0.01	118	0.08	0.12	4	6.5	2.1	170	
OWN-125A-1-IS	13		1790	390	1.85	6.25	±0.01	165	0.12	0.08	4	6.5	2.1	170	
OWN-125A-2	6	2590	2900		1.24	12.95	±0.01	86	0.10	0.10	2.5	8	2.1	170	
OWN-125A-2-AS	6	3390		800	1.85	12.95	±0.01	118	0.08	0.12	4	6.5	2.1	160	
OWN-125A-2-IS	6		3700	800	1.85	12.95	±0.01	165	0.12	0.08	4	6.5	2.1	160	

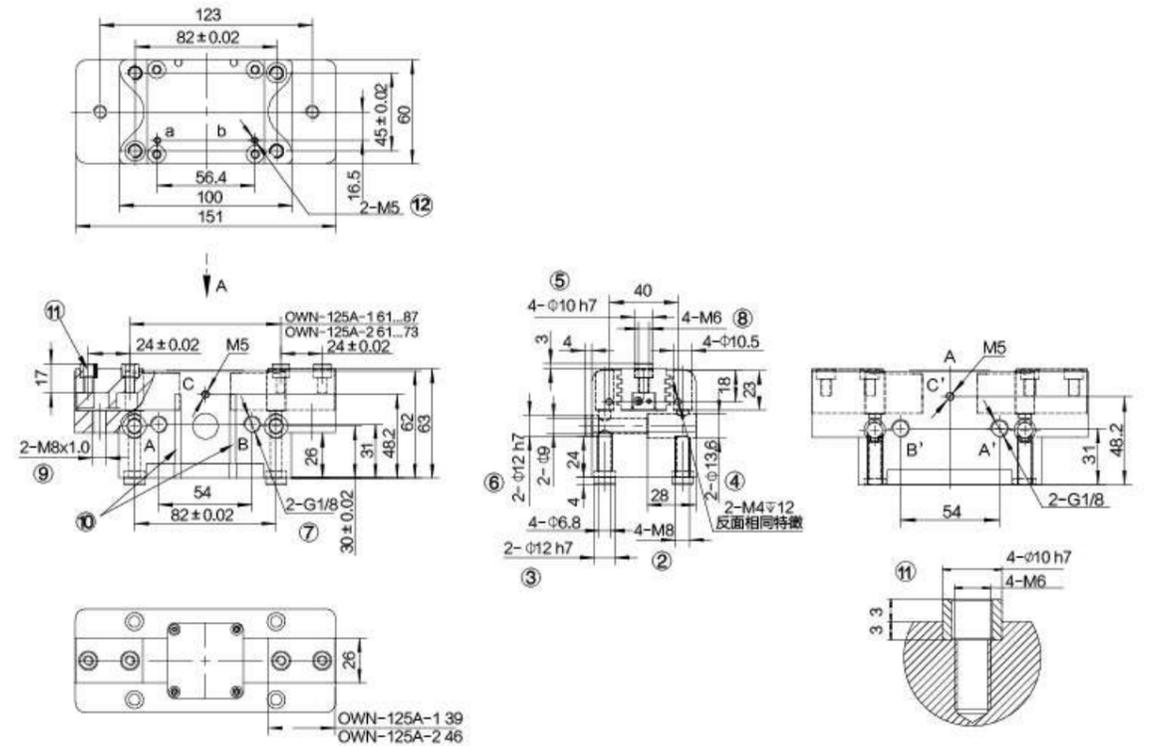
加防護結構 / Add protective structure

型號 Model	OWN-125A-1-SD	OWN-125A-1-AS-SD	OWN-125A-1-IS-SD	OWN-125A-2-SD	OWN-125A-2-AS-SD	OWN-125A-2-IS-SD	
重量 Weight(kg)		1.44	2.05	2.05	1.44	2.05	2.05
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64	IP64

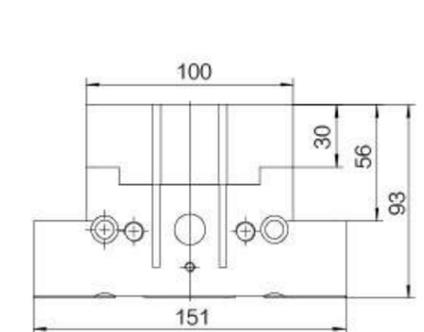
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-125A-1-HT	OWN-125A-1-AS-HT	OWN-125A-1-IS-HT	OWN-125A-2-HT	OWN-125A-2-AS-HT	OWN-125A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

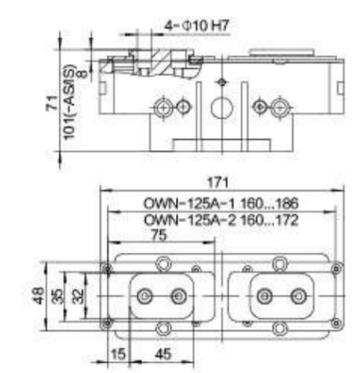
OWN-125A尺寸圖 / Application example



AS/IS



防護版本 Protection version

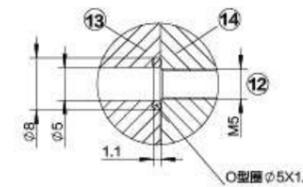


① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾指定位套 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾指固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

● 二指平行機械夾爪 / 2-jaw parallel grippers

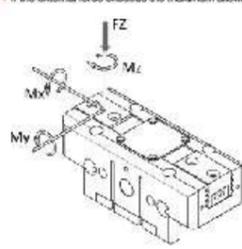
OWN-160A



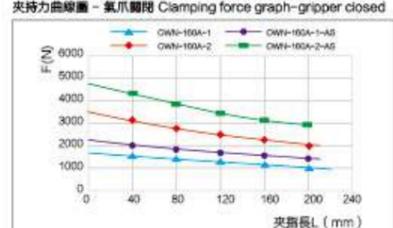
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

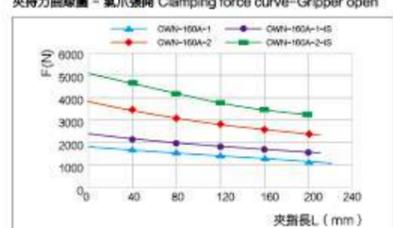
Mx max [Nm]	170
My max [Nm]	180
Mz max [Nm]	130
Fz max [N]	4300



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-160A-1	16	1710	1820		2.6	8.55	±0.01	162	0.15	0.15	2.5	8	3.5	220	
OWN-160-1-AS	16	2280		570	3.6	8.55	±0.01	210	0.12	0.25	4	6.5	3.5	210	
OWN-160A-1-IS	16		2390	570	3.6	8.55	±0.01	262	0.25	0.12	4	6.5	3.5	210	
OWN-160A-1	8	3550	3780		2.6	17.75	±0.01	162	0.15	0.15	2.5	8	3.5	210	
OWN-160A-2-AS	8	4770		1220	3.6	17.75	±0.01	210	0.12	0.25	4	6.5	3.5	200	
OWN-160A-2-IS	8		5000	1220	3.6	17.75	±0.01	262	0.25	0.12	4	6.5	3.5	200	

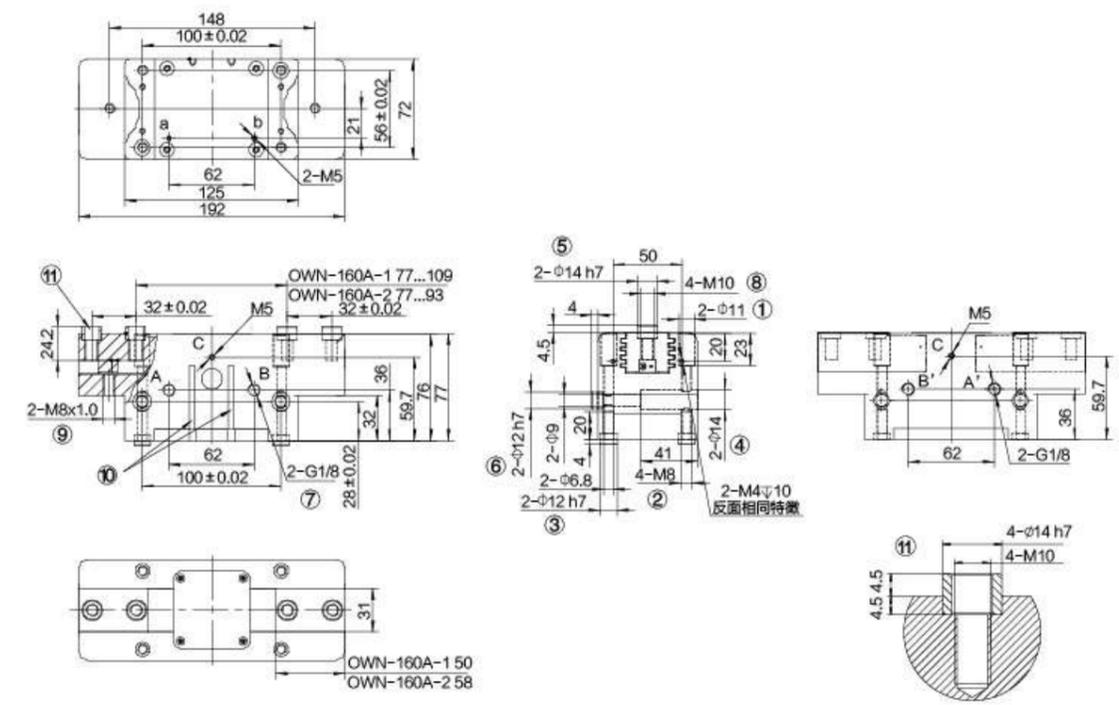
加防護結構 / Add protective structure

型號 Model	OWN-160A-1-SD	OWN-160A-1-AS-SD	OWN-160A-1-IS-SD	OWN-160A-1-SD	OWN-160A-2-AS-SD	OWN-160A-2-IS-SD
重量 Weight(kg)		3	4	4	3	4
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

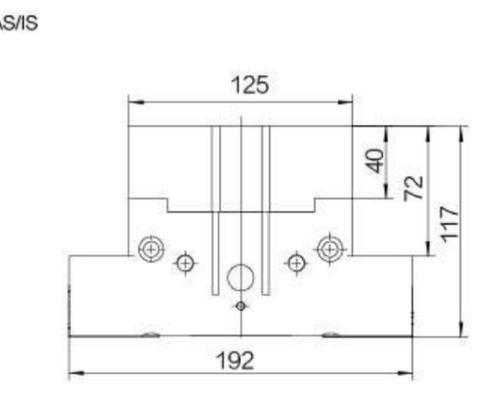
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-160A-1-HT	OWN-160A-1-AS-HT	OWN-160A-1-IS-HT	OWN-160A-1-HT	OWN-160A-2-AS-HT	OWN-160A-2-IS-HT
工作溫度 Operating temperature(°C)		-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

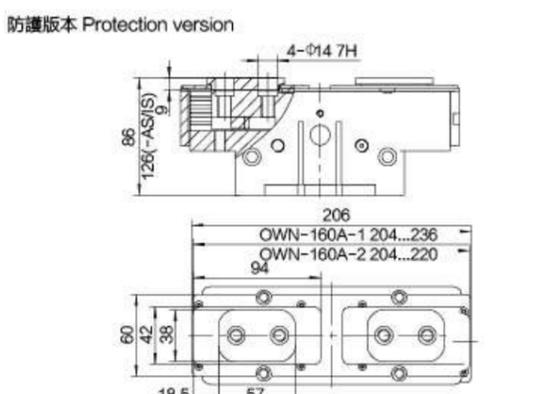
OWN-160A尺寸圖 / Application example



AS/IS



防護版本 Protection version

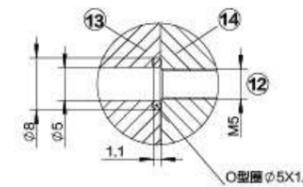


① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾指定位套 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾指固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

二指平行機械夾爪 / 2-jaw parallel grippers

二指平行機械夾爪 / 2-jaw parallel grippers

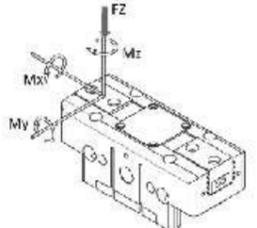
OWN-200A



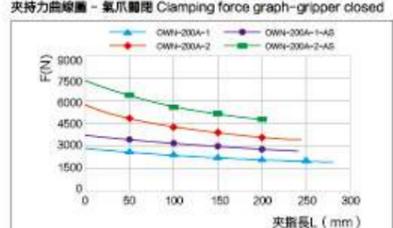
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

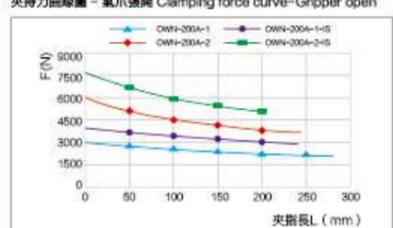
Mx max [Nm]	180
My max [Nm]	200
Mz max [Nm]	140
Fz max [N]	5000



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-200A-1	25	2810	2980		5	14	±0.02	380	0.35	0.35	2.5	8	6.5	280	
OWN-200A-1-AS	25	3720		910	7.5	14	±0.02	490	0.30	0.60	4	6.5	6.5	240	
OWN-200A-1-IS	25		3890	910	7.5	14	±0.02	620	0.60	0.30	4	6.5	6.5	240	
OWN-200A-2	14	5700	6000		5	28.5	±0.02	380	0.35	0.35	2.5	8	6.5	240	
OWN-200A-2-AS	14	7300		1600	7.5	28.5	±0.02	490	0.30	0.60	4	6.5	6.5	200	
OWN-200A-2-IS	14		7700	1600	7.5	28.5	±0.02	620	0.60	0.3	4	6.5	6.5	200	

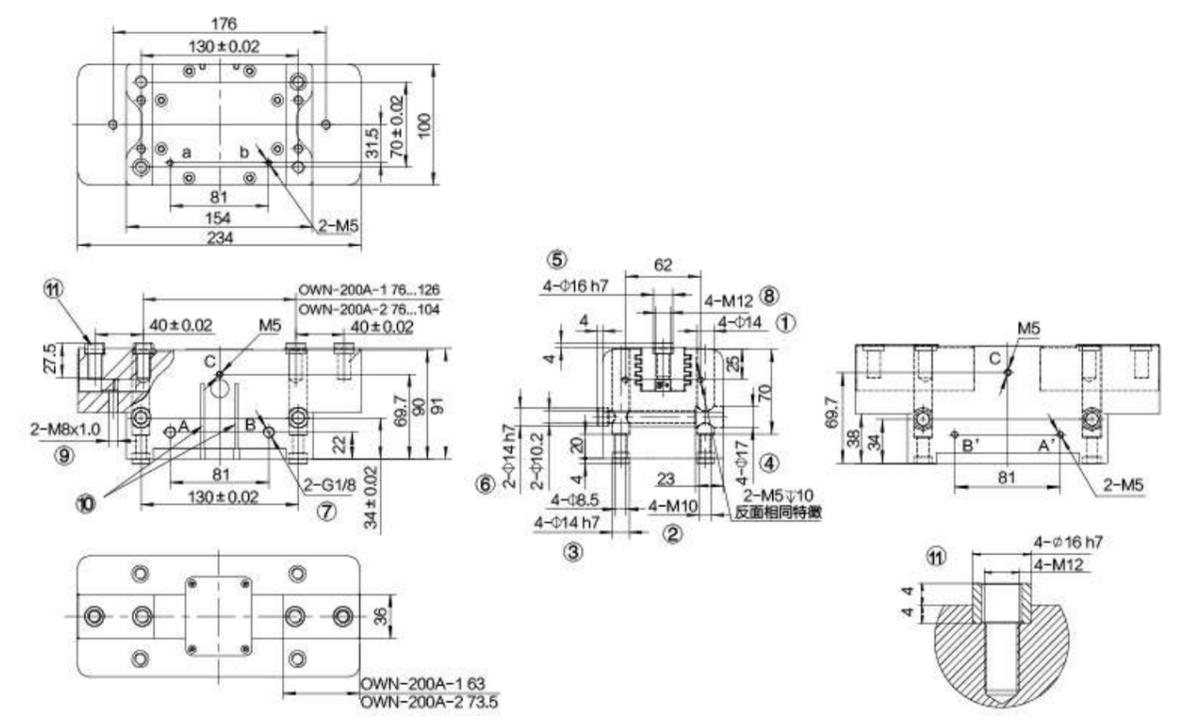
加防護結構 / Add protective structure

型號 Model	OWN-200A-1-SD	OWN-200A-1-AS-SD	OWN-200A-1-IS-SD	OWN-200A-2-SD	OWN-200A-2-AS-SD	OWN-200A-2-IS-SD
重量 Weight(kg)	5.6	8.1	8.1	5.6	8.1	8.1
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

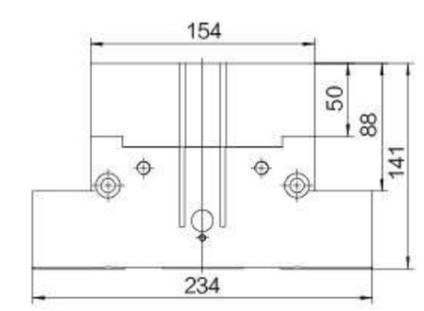
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-200A-1-HT	OWN-200A-1-AS-HT	OWN-200A-1-IS-HT	OWN-200A-2-HT	OWN-200A-2-AS-HT	OWN-200A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

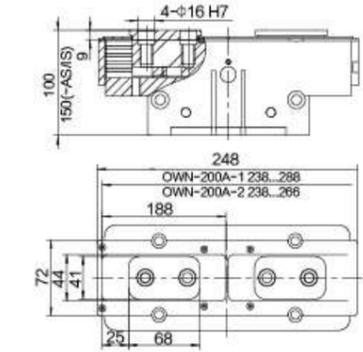
OWN-200A尺寸圖 / Application example



AS/IS



防護版本 Protection version

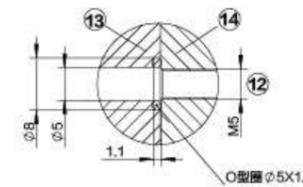


① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾爪指定位置 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾爪固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

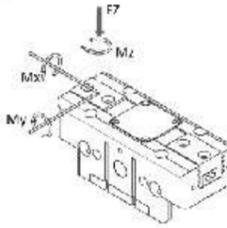
● 二指平行機械夾爪 / 2-jaw parallel grippers

OWN-220A



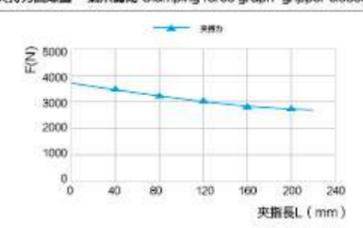
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

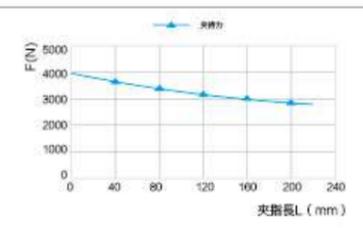


Mx max [Nm]	160
My max [Nm]	170
Mz max [Nm]	125
Fz max [N]	4200

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣缸耗量 (cm ³)	關閉時間 (s)	開閉時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-220A-1	16	3700	4000		3.9	18.5	±0.02	263	0.16	0.16	2.5	8	7.5	220	

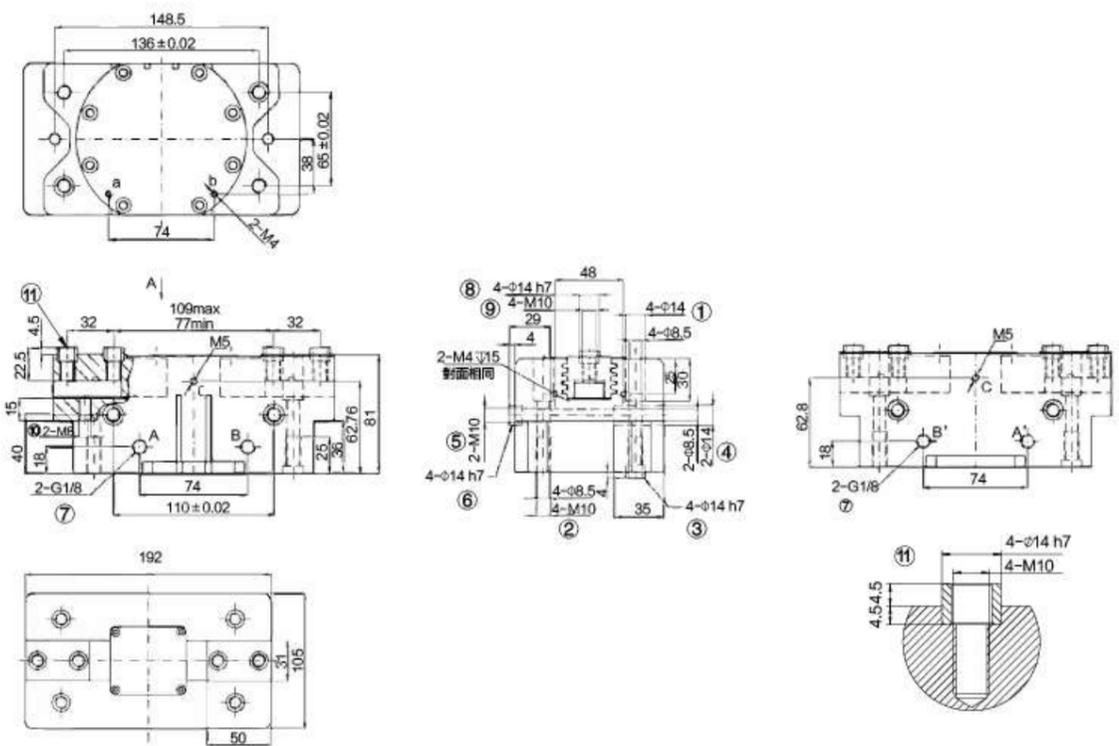
加防護結構 / Add protective structure

型號 Model	OWN-220A-1-SD
重量 Weight(kg)	4.4
防護等級 Protection to IEC 60529	IP64

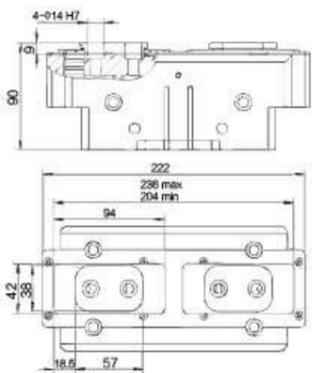
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-220A-1-HT
工作溫度 Operating temperature(°C)	-10 ~ 130

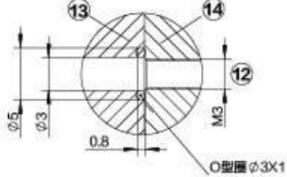
OWN-220A尺寸圖 / Application example



防護版本 Protection version



底部進氣說明 Bottom intake description



① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾指定位套 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾指固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

抓取夾持系列

抓取夾持系列

二指平行機械夾爪 / 2-jaw parallel grippers

二指平行機械夾爪 / 2-jaw parallel grippers

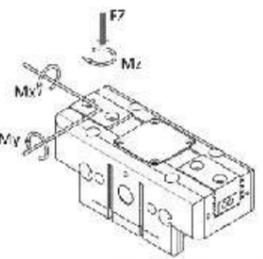
OWN-240A



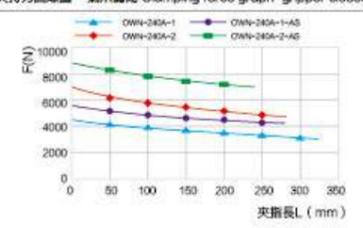
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

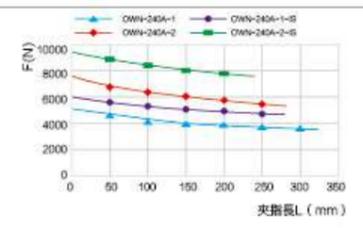
Mx max [Nm]	260
My max [Nm]	250
Mz max [Nm]	160
Fz max [N]	6200



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-240A-1	30	4500	4750		7.7	22.5	±0.04	650	0.45	0.45	2.5	8	8.5	320	
OWN-240A-1-AS	30	5600		1100	11.8	22.5	±0.04	800	0.35	0.65	4	6.5	8.5	280	
OWN-240A-1-IS	30		5850	1100	11.8	22.5	±0.04	990	0.65	0.35	4	6.5	8.5	280	
OWN-240A-2	17	6970	7360		7.7	34.8	±0.04	650	0.45	0.45	2.5	8	8.5	280	
OWN-240A-2-AS	17	8810		1840	11.8	34.8	±0.04	800	0.35	0.65	4	6.5	8.5	240	
OWN-240A-2-IS	17		9200	1840	11.8	34.8	±0.04	990	0.65	0.35	4	6.5	8.5	240	

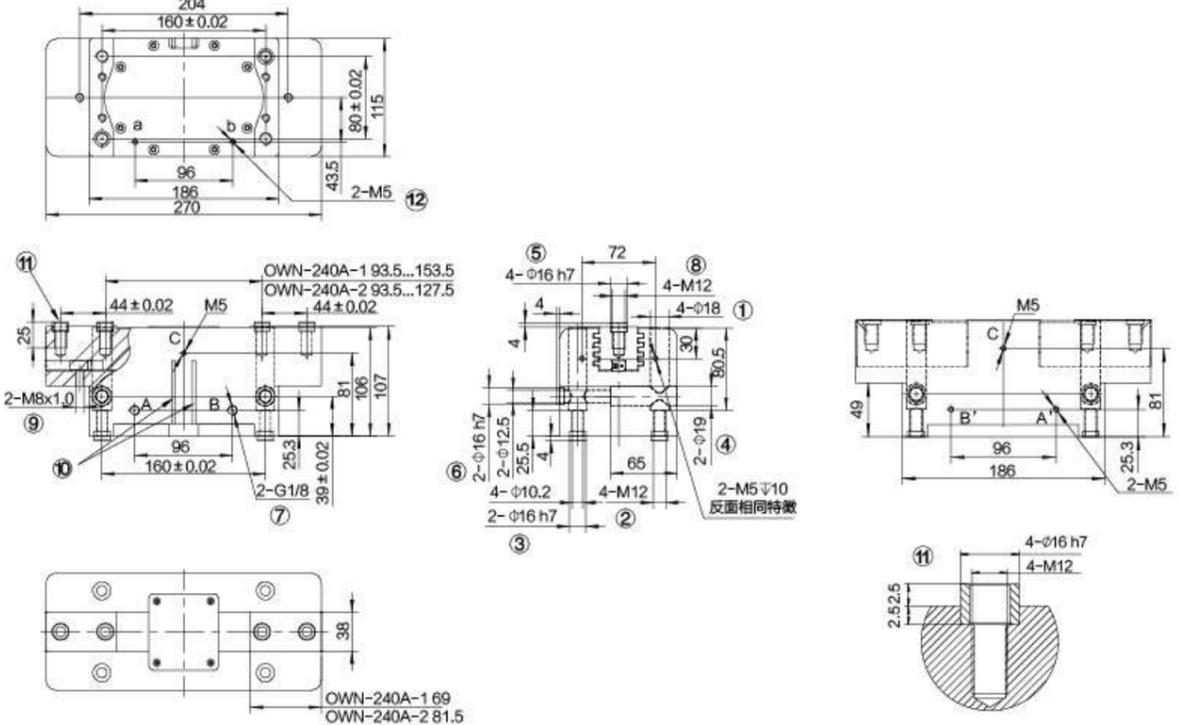
加防護結構 / Add protective structure

型號 Model	OWN-240A-1-SD	OWN-240A-1-AS-SD	OWN-240A-1-IS-SD	OWN-240A-2-SD	OWN-240A-2-AS-SD	OWN-240A-2-IS-SD
重量 Weight(kg)		10.3	14.4	14.4	10.3	14.4
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

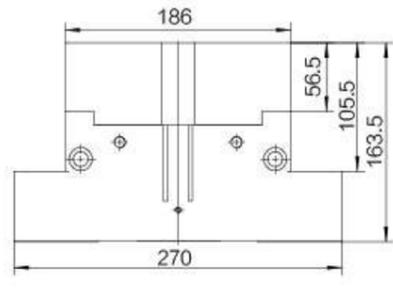
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-24A-1-HT	OWN-240A-1-AS-HT	OWN-240A-1-IS-HT	OWN-240A-2-HT	OWN-240A-2-AS-HT	OWN-240A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

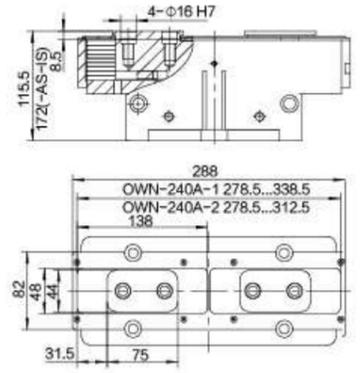
OWN-240A尺寸圖 / Application example



AS/IS



防護版本 Protection version

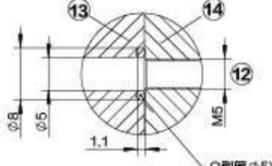


① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾爪指定位置 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾爪固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

二指平行機械夾爪 / 2-jaw parallel grippers

二指平行機械夾爪 / 2-jaw parallel grippers

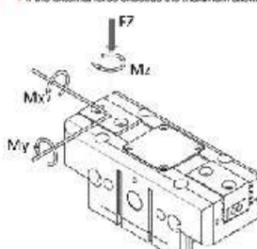
OWN-300A



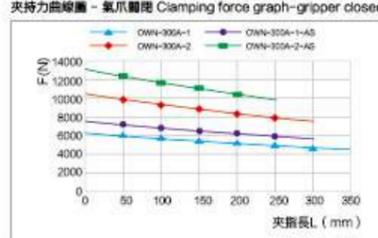
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

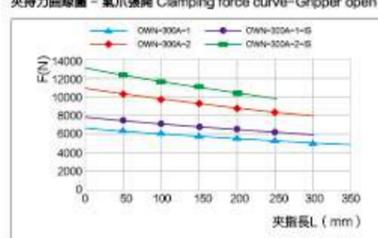
Mx max [Nm]	400
My max [Nm]	400
Mz max [Nm]	250
Fz max [N]	8000



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-300A-1	35	6290	6630		13.5	31	±0.05	1040	0.50	0.50	2.5	8	11.5	350	
OWN-300-1-AS	35	7440		1400	17.2	31	±0.05	1290	0.40	0.70	4	6.5	11.5	300	
OWN-300A-1-IS	35		7730	1400	17.2	31	±0.05	1550	0.70	0.40	4	6.5	11.5	300	
OWN-300A-2	20	10400	10900		13.5	52	±0.05	1040	0.50	0.50	2.5	8	11.5	300	
OWN-300A-2-AS	20	12600		2200	17.2	52	±0.05	1290	0.40	0.70	4	6.5	11.5	250	
OWN-300A-2-IS	20		13100	2200	17.2	52	±0.05	1550	0.70	0.40	4	6.5	11.5	250	

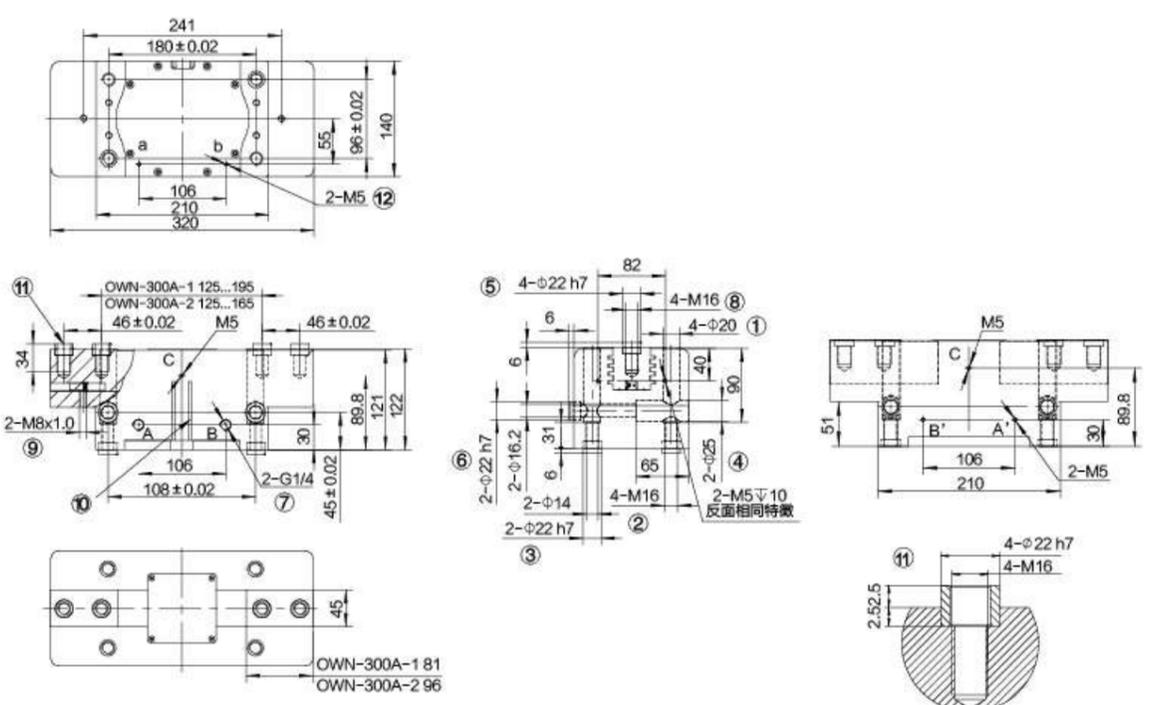
加防護結構 / Add protective structure

型號 Model	OWN-300A-1-SD	OWN-300A-1-AS-SD	OWN-300A-1-IS-SD	OWN-300A-2-SD	OWN-300A-2-AS-SD	OWN-300A-2-IS-SD
重量 Weight(kg)		17.6	21.3	21.3	17.6	21.3
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

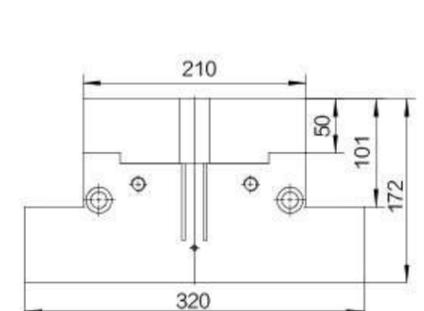
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-300A-1-HT	OWN-300A-1-AS-HT	OWN-300A-1-IS-HT	OWN-300A-2-HT	OWN-300A-2-AS-HT	OWN-300A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

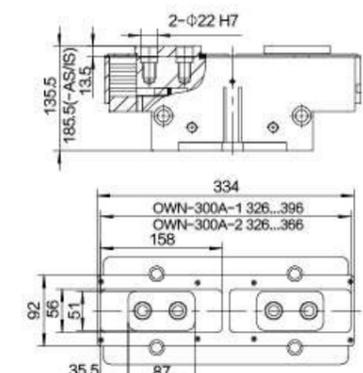
OWN-300A尺寸圖 / Application example



AS/IS



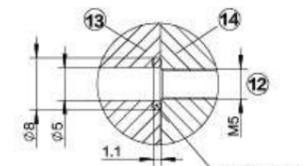
防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
⑤ 夾爪指定位置 Clip designated sleeve
⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
⑦ 壓縮空氣接口 Compressed air interface
⑧ 夾指固定螺紋孔 Finger fixing screw hole
⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
⑫ 進氣孔 Air inlet
⑬ 連接法蘭 Mounting flange
⑭ 夾爪 Gripper
A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣吹掃接口 Air purge interface
A' 備用空氣接口(關閉) Spare air connection (closed)
B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description



抓取夾持系列

抓取夾持系列

● 二指平行機械夾爪 / 2-jaw parallel grippers

● 二指平行機械夾爪 / 2-jaw parallel grippers

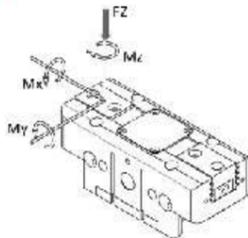
OWN-380A



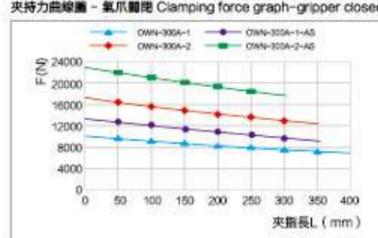
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

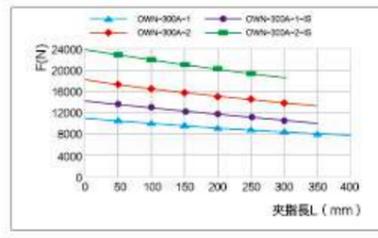
Mx max [Nm]	560
My max [Nm]	560
Mz max [Nm]	370
Fz max [N]	10000



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持距離的不同，夾持力的變化曲線

Variation curve of clamping force with different clamping point distance

- 最大夾持力是夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price(yuan)
OWN-380A-1	45	10100	10450		25.5	50.5	±0.05	2270	0.60	0.60	2.5	8	17	400	
OWN-380A-1-AS	45	13400		3300	36	50.5	±0.05	2700	0.50	0.80	4	6.5	17	350	
OWN-380A-1-IS	45		13750	3300	36	50.5	±0.05	3170	0.80	0.50	4	6.5	17	350	
OWN-380A-2	26	17300	18000		25.5	86.5	±0.05	2270	0.60	0.60	2.5	8	17	350	
OWN-380A-2-AS	26	23000		5700	36	86.5	±0.05	2700	0.50	0.80	4	6.5	17	300	
OWN-380A-2-IS	26		23700	5700	36	86.5	±0.05	3170	0.80	0.50	4	6.5	17	300	

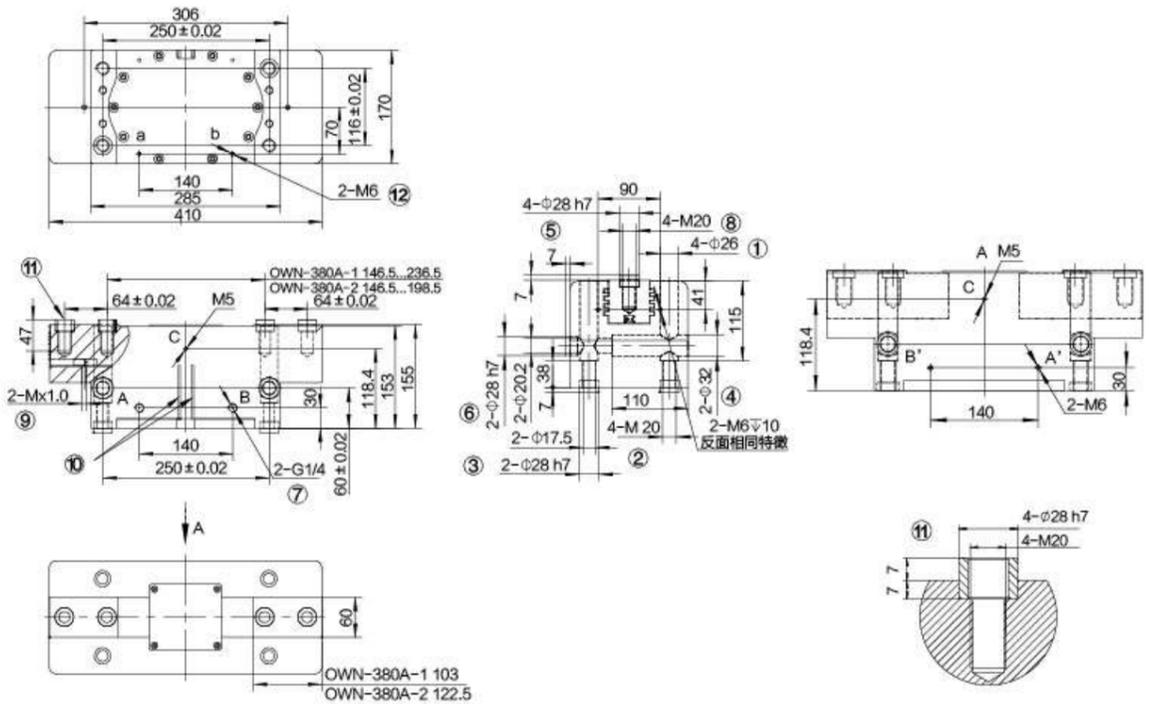
加防護結構 / Add protective structure

型號 Model	OWN-380A-1-SD	OWN-380A-1-AS-SD	OWN-380A-1-IS-SD	OWN-380A-2-SD	OWN-380A-2-AS-SD	OWN-380A-2-IS-SD
重量 Weight(kg)		27.5	38	38	27.5	38
防護等級 Protection to IEC 60529		IP64	IP64	IP64	IP64	IP64

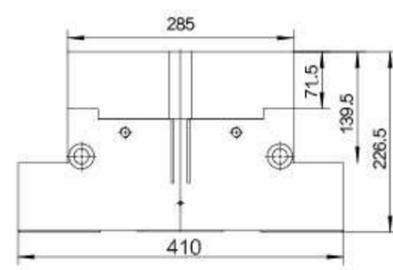
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OWN-380A-1-HT	OWN-380A-1-AS-HT	OWN-380A-1-IS-HT	OWN-380A-2-HT	OWN-380A-2-AS-HT	OWN-380A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

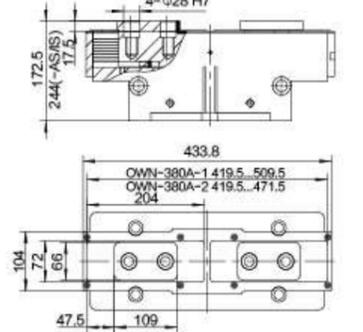
OWN-380A尺寸圖 / Application example



AS/IS



防護版本 Protection version

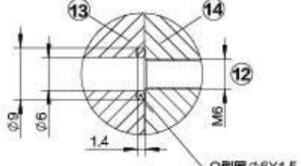


① 夾爪固定孔 Gripper fixing hole
 ② 夾爪背面固定螺紋孔 Fix the threaded hole on the back of the jaws
 ③ 夾爪背面定位套 Locating sleeve on the back of the clamping jaw
 ④ 夾爪側面固定孔 Fixing hole on the side of the clamping jaw
 ⑤ 夾指定位套 Clip designated sleeve
 ⑥ 夾爪側面定位套 Clamping jaw side positioning sleeve
 ⑦ 壓縮空氣接口 Compressed air interface
 ⑧ 夾指固定螺紋孔 Finger fixing screw hole
 ⑨ 傳感器固定螺紋孔 Sensor fixing screw hole
 ⑩ 磁性傳感器檢測槽 Magnetic sensor detection slot

⑪ 爪頭連接說明 Claw head connection instructions
 ⑫ 進氣孔 Air inlet
 ⑬ 連接法蘭 Mounting flange
 ⑭ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
 B/b 空氣接口(打開) Air connection (open)
 C 空氣吹掃接口 Air purge interface
 A' 備用空氣接口(關閉) Spare air connection (closed)
 B' 備用空氣接口(打開) Spare air connection (open)

底部進氣說明 Bottom intake description

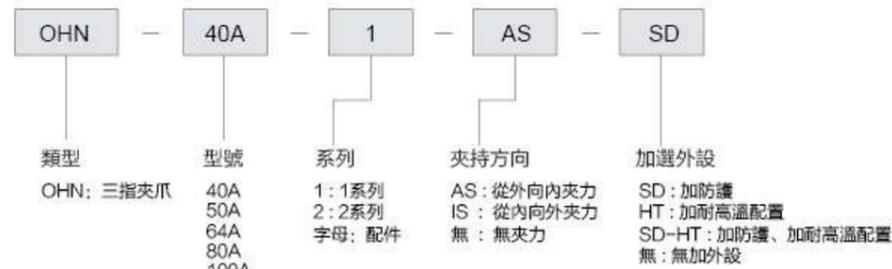


抓取夾持系列

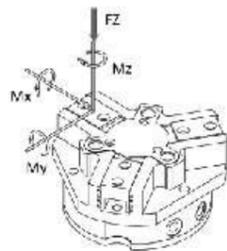
● 三指定心機械夾爪 / 3-jaw concentric grippers



選型圖 Selection chart



容許外力負載 Allow external force



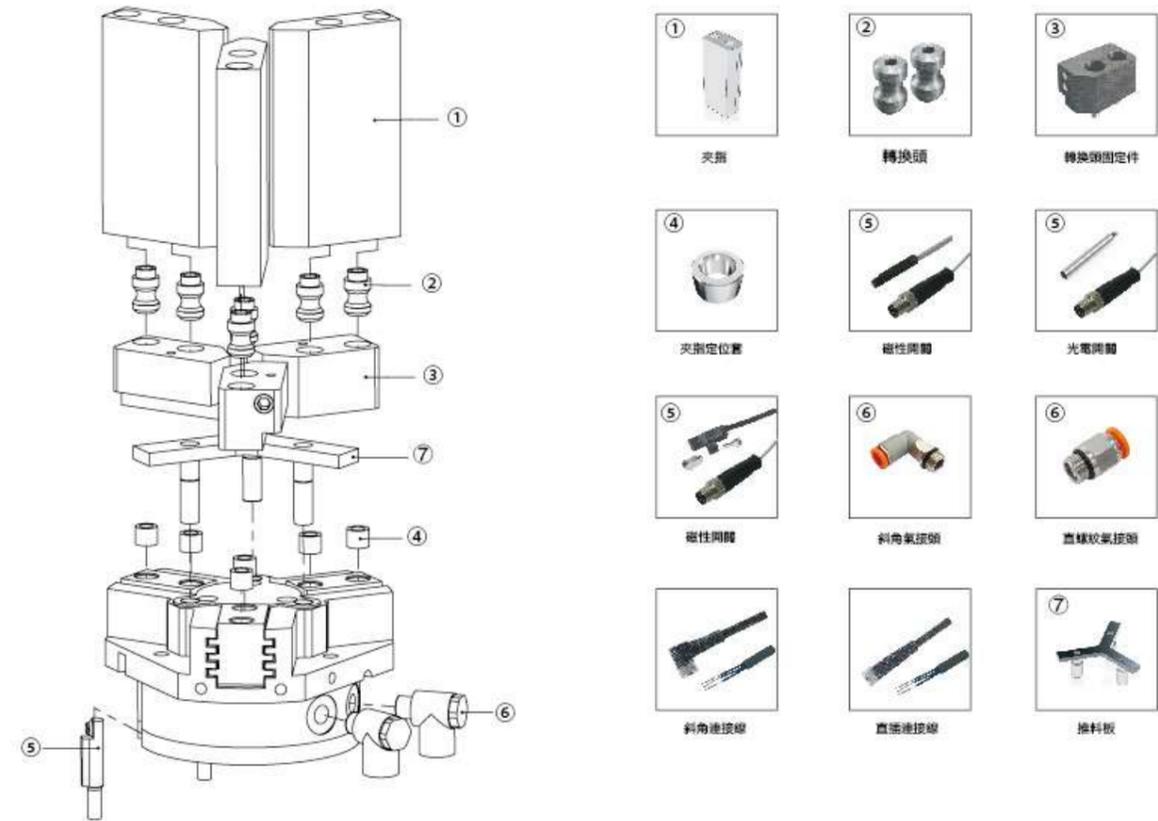
● 如果外力超過最大容許負載，產品使用壽命將會減少。
● If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

型號 Model	靜態抗力矩			靜態力 Fz max [N]	建議抓取重量 Grab weight[kg]
	Mx max [Nm]	My max [Nm]	Mz max [Nm]		
OHN-40A-1	10	12	5	250	1.47
OHN-50A-1/2	22	25	10	500	1.92 / 4
OHN-64A-1/2	45	60	45	1200	3.5 / 5.95
OHN-80A-1/2	80	90	60	1500	6.25 / 13
OHN-100A-1/2	80	115	70	2000	11.4 / 24
OHN-125A-1/2	120	145	100	2800	18.5 / 34.5
OHN-135A-1	160	170	110	4400	18.5
OHN-160A-1/2	150	160	115	4000	25 / 46
OHN-200A-1/2	180	200	140	5000	41 / 73
OHN-240A-1/2	260	250	160	6100	47.5 / 98.5
OHN-300A-1/2	400	400	280	8000	86 / 151.5
OHN-380A-1/2	560	560	370	10000	145 / 289.5

抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

配件 Accessories



配件選型 Accessories selection

名稱 Name	圖 Pic	型號	尺寸						F	G	H	I	J	適用於 Apply to
			A	B	C	D	E							
1 夾指 Grippers		OWhn-40A-JZ	23.8	30	3.3	8	2-ø2.7貫穿L1ø5▽25	22.1	3.75	7.5	60°	ø4▽2	OHN-40A系列	
		OWhn-50A-JZ	30.4	35	3.4	12.05	2-ø3.3貫穿L1ø6▽29	27.8	5.25	10.5	60°	ø5▽2	OHN-50A系列	
		OWhn-64A-JZ	35	50	5	13	2-ø4.3貫穿L1ø8▽41	31.5	6.75	13.5	60°	ø6▽3	OHN-64A系列	
		OWhn-80A-JZ	43	65	6	16	2-ø4.3貫穿L1ø8▽42	39	8.5	17	60°	ø8▽2.5	OHN-80A系列	
		OWhn-100A-JZ	53.5	80	7	20	2-ø6.4貫穿L1ø11▽70	48.65	10	20	60°	ø10▽3	OHN-100A系列	
		OWhn-125A-JZ	67.5	100	10	24	2-ø6.4貫穿L1ø11▽90	61.38	13	26	60°	ø10▽3	OHN-125A系列 OHN-135A系列	
		OWhn-160A-JZ	86.5	120	12	32	2-ø10.6貫穿L1ø18▽105	79.28	15.5	31	60°	ø14▽4.5	OHN-160A系列	
		OWhn-200A-JZ	100.5	140	14	40	2-ø13貫穿L1ø20▽120	92.4	18	36	60°	ø16▽4	OHN-200A系列	
		OWhn-240A-JZ	116.5	150	16	44	2-ø13貫穿L1ø20▽130	108.4	19	38	60°	ø16▽4	OHN-240A系列	
		OWhn-300A-JZ	139	160	18	46	2-ø17貫穿L1ø26▽135	129.8	22.5	45	60°	ø22▽6	OHN-300A系列	
OWhn-380A-JZ	174.2	180	25	64	2-ø21貫穿L1ø33▽150	161.5	30	60	60°	ø28▽7	OHN-380A系列			

≡ 抓取夾持系列

≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

配件選型 Accessories selection

名稱 Name	圖 Pic	尺寸 型號	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	適用於		
轉換頭 Changeable jaw OWHN-型號-B 2PCS OWHN-型號-A 1PCS		OWHN-40A-A OWHN-40A-B	18.5	16	12	8	4	2	4	2	M2.5	M2.5	8	4	4	20	7.8	8	40A系列		
		OWHN-50A-A OWHN-50A-B	20.5	22	18	11	5	2	6	2.5	M3	M3	12	5	5.5	28	9.5	5	50A系列		
		OWHN-64A-A OWHN-64A-B	23.5	25	21	13.5	6	2.5	6	2.5	M5	M4	13	6	13	31	10	8	64A系列		
		OWHN-80A-A OWHN-80A-B	28.5	32	24	17	8	2.5	8	3	M5	M5	16	8	8.5	38	12.4	10	80A系列		
		OWHN-100A-A OWHN-100A-B	38	44	32	20	10	3	10	3	M6	M6	20	12	10	46	15	12	100A系列		
		OWHN-125A-A OWHN-125A-B	43	48	36	26	10	3	10	3	M6	M6	24	12	13	50	15	15	125A系列 135A系列		
		OWHN-160A-A OWHN-160A-B	65	66	46	38	14	4	14	4.5	M10	M10	32	12	19	58	18	35	160A系列		
		OWHN-200A-A OWHN-200A-B	83	88	60	42	16	4	16	4.5	M12	M12	40	14	21	70	29	40	200A系列		
		OWHN-240A-A OWHN-240A-B	88	72	60	42	16	4	16	4.5	M12	M12	44	14	21	74	29	40	240A系列		
		OWHN-300A-A OWHN-300A-B	100	83	76	52	22	5	22	6.5	M16	M16	46	18.5	26	85	38	40	300A系列		
OWHN-380A-A OWHN-380A-B	110	105	90	68	28	7	28	7.5	M20	M20	64	20.5	34	107	30	50	380A系列				
快換手指說明 1. 快速換爪機構 (OWHN-型號-A 1PCS) 2. 連接匹配定位套孔 3. 快速換爪與夾爪連接螺絲 4. Finger連接界面 5. Finger連接螺絲及定位套孔 (OWHN-型號-B 2PCS)			Quick change finger instructions 1. Quick-change jaw mechanism (OWHN-Model-A 1PCS) 2. Connection matching positioning sleeve hole 3. Quick-change jaw and clamping jaw connecting screw 4. Finger connection interface 5. Finger connecting screw hole and positioning step (OWHN-Model-B 2PCS)																		
夾指定位套 Centering disc 		OWHN-40A-GDJ																	OHN-40A系列		
		OWHN-50A-GDJ																		OHN-50A系列	
		OWHN-64A-GDJ																		OHN-64A系列, OHN-80A系列	
		OWHN-100A-GDJ																		OHN-100A系列, OHN-125A系列, OHN-135A系列	
		OWHN-160A-GDJ																		OHN-160A系列	
		OWHN-200A-GDJ																		OHN-200A系列, OHN-240A系列	
		OWHN-300A-GDJ																		OHN-300A系列	
		OWHN-380A-DWT																		OHN-380A系列	
連接線 Connection line 		OHWN-LINEA-300																	3m		
		OHWN-LINEA-500																		5m	OHN-40A系列, OHN-50A系列, OHN-64A系列, OHN-80A系列, OHN-100A系列, OHN-125A系列, OHN-135A系列, OHN-160A系列, OHN-200A系列,
		OHWN-LINEB-300																		3m	OHN-240A系列, OHN-300A系列, OHN-380A系列
		OHWN-LINEB-500																		5m	

配件選型 Accessories selection

名稱 Name	圖 Pic	型號 Model	訂購碼 Item code	尺寸 Size	適用於 Apply to	
⑤ 感應器 Sensor 	磁性開關 	OSG203M-PNP			OHN-40A系列, OHN-50A系列, OHN-64A系列, OHN-80A系列, OHN-100A系列, OHN-110A系列, OHN-125A系列, OHN-160A系列, OHN-200A系列, OHN-220A系列, OHN-240A系列	
		OSG203M-NPN				
		Ost203M-PNP				
		Ost203M-NPN				
	磁性開關 	OSA203M-PNP				
		OSA203M-NPN				
	光電開關 	ORL08BF15DNO				
		ORL08BF15DNC				
		ORL08BF15DPO				
		ORL08BF15DPC				
ORL08BF15DNO-E1						
ORL08BF15DNC-E1						
⑥ 氣接頭 Gas connector 		AP.RO-137-AS1		M3-φ4	OHN-40A系列	
		AP.RO-137-AS2				
		AP.5002000N20			M5-φ4 M5-φ6	OHN-50A系列, OHN-64A系列, OHN-80A系列
		PL4 PL6				
		AP.5002000N03			G1/8-φ6 G1/8-φ8	OHN-100A系列, OHN-110A系列, OHN-125A系列, OHN-160A系列, OHN-200A系列, OHN-220A系列, OHN-240A系列
		AP.5002000N05				
		GPL4-G01			G1/4-φ6 G1/4-φ8	OHN-300A系列, OHN-380系列
		GPL6-G01 GPL8-G01				
		AP.5002000N04			G1/4-φ6 G1/4-φ8	OHN-300A系列, OHN-380系列
		AP.5002000N06 GPL6-G02 GPL8-G02				
推料板 Pusher 		OHN-40A-TLB			OHN-40A系列	
		OHN-50A-TLB			OHN-50A系列	
		OHN-64A-TLB			OHN-64A系列	
		OHN-80A-TLB			OHN-80A系列	
		OHN-100A-TLB OHN-125A-TLB			OHN-100A系列 OHN-125A系列	

≡ 抓取夾持系列

≡ 抓取夾持系列

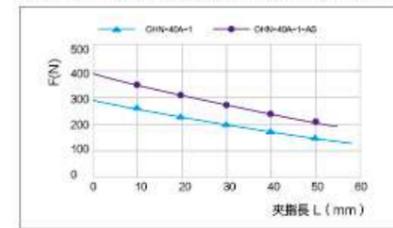
● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

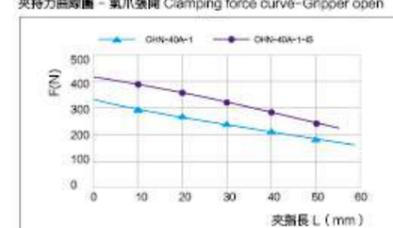
OHN-40A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed

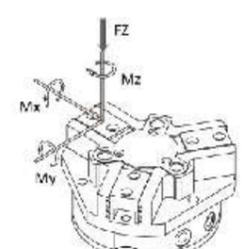


夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	10
My max(Nm)	12
Mz max(Nm)	5
Fz max(N)	250

隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-40A-1	2.5	295	325		0.13	1.47	±0.01	4.8	0.03	0.03	2	8	0.1	58	
OHN-40A-1-AS	2.5	395		100	0.15	1.47	±0.01	8.9	0.02	0.04	4	6.5	0.1	54	
OHN-40A-1-IS	2.5		425	100	0.15	1.47	±0.01	8.9	0.04	0.02	4	6.5	0.1	54	

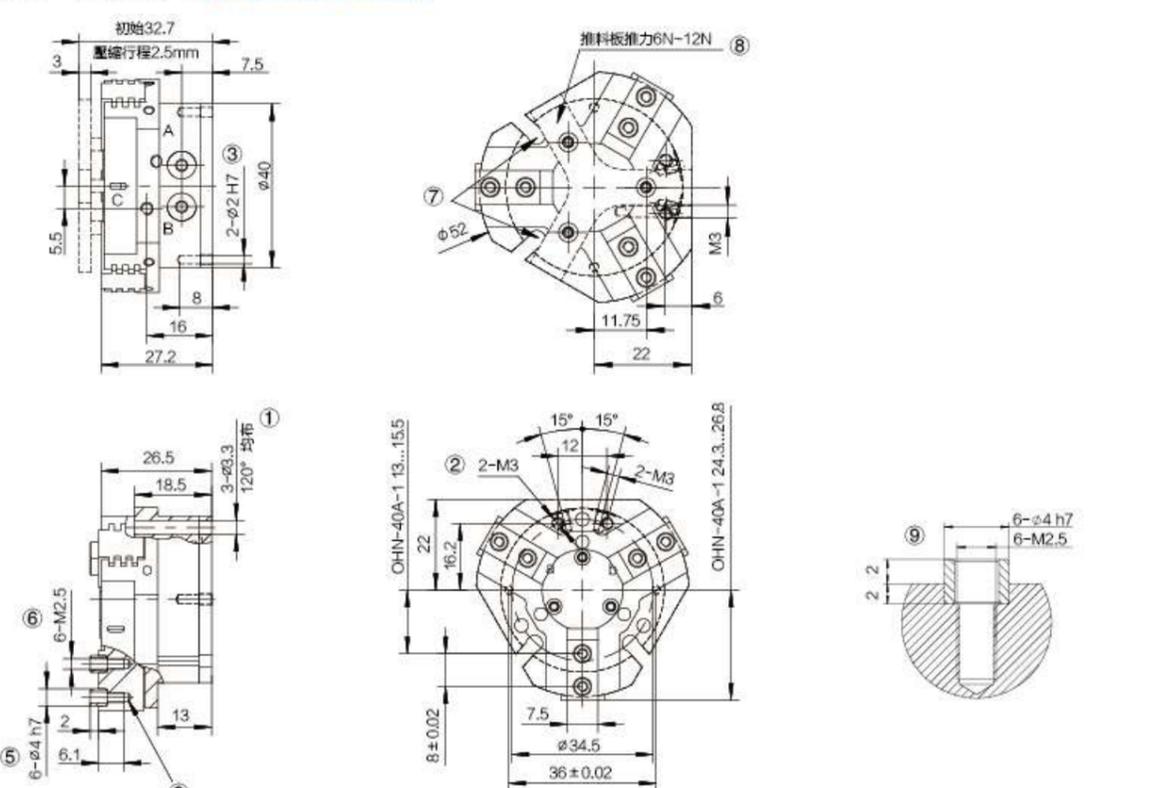
加防護結構 / Add protective structure

型號 Model	OHN-40A-1-SD	OHN-40A-1-AS-SD	OHN-40A-1-IS-SD
重量 Weight(kg)	0.16	0.18	0.18
防護等級 Protection to IEC 60529	IP64	IP64	IP64

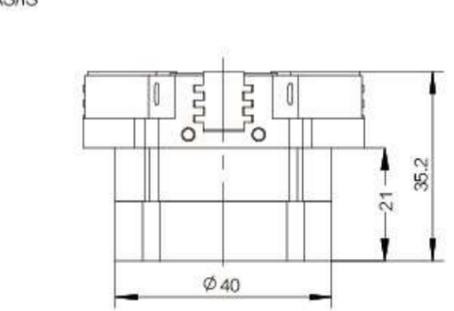
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-40A-1-HT	OHN-40A-1-AS-HT	OHN-40A-1-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130

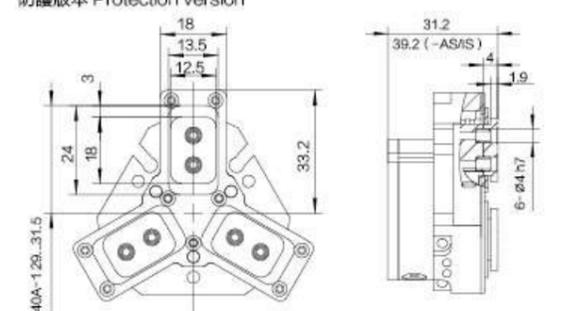
OHN-40A尺寸圖 / Application example



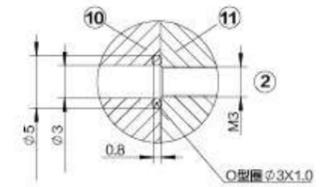
AS/IS



防護版本 Protection version



底部進氣說明 Bottom intake description



① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 夾指定位位置 Clip designated position set
⑤ 夾指固定螺紋孔 Finger fixing threaded hole
⑥ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑦ 推料板(選配件) Push plate (optional accessory)
⑧ 爪頭連接說明 Claw head connection instructions
⑨ 連接法蘭 Mounting flange

⑩ 夾爪 Gripper
A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

≡ 抓取夾持系列

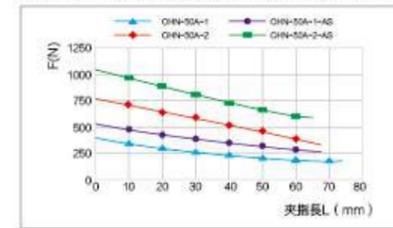
● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

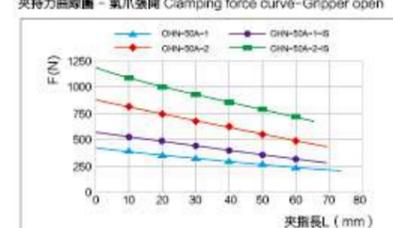
OHN-50A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

Mx max (Nm)	22
My max(Nm)	25
Mz max(Nm)	10
Fz max(N)	500

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-50A-1	4	385	430		0.24	1.92	±0.01	8.8	0.03	0.03	2	8	0.18	72	
OHN-50A-1-AS	4	505		120	0.35	1.92	±0.01	17.8	0.02	0.04	4	6.5	0.18	68	
OHN-50A-1-IS	4		580	150	0.35	1.92	±0.01	17.8	0.04	0.02	4	6.5	0.18	68	
OHN-50A-2	2	800	890		0.24	4	±0.01	8.8	0.03	0.03	2	8	0.18	68	
OHN-50A-2-AS	2	1045		245	0.35	4	±0.01	17.8	0.02	0.04	4	6.5	0.18	64	
OHN-50A-2-IS	2		1200	310	0.35	4	±0.01	17.8	0.04	0.02	4	6.5	0.18	64	

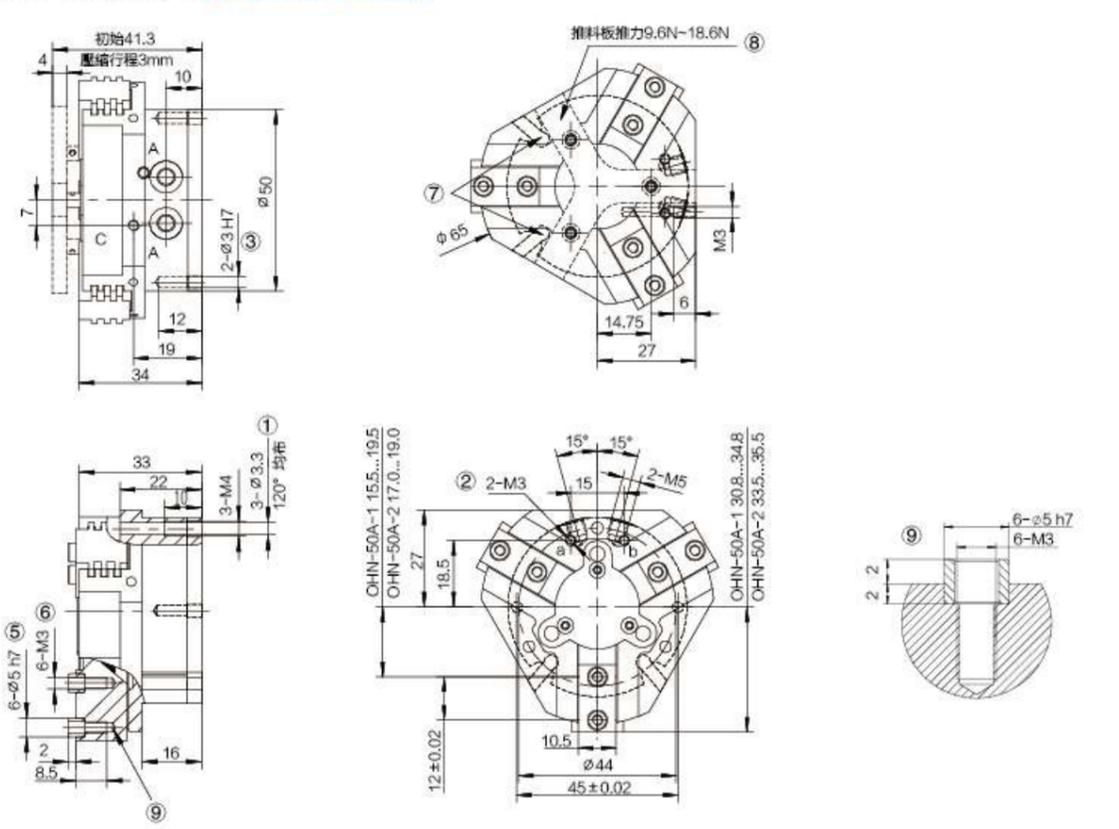
加防護結構 / Add protective structure

型號 Model	OHN-50A-1-SD	OHN-50A-1-AS-SD	OHN-50A-1-IS-SD	OHN-50A-2-SD	OHN-50A-2-AS-SD	OHN-50A-2-IS-SD
重量 Weight(kg)	0.3	0.41	0.41	0.3	0.41	0.41
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

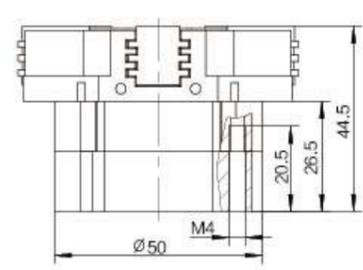
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-50A-1-HT	OHN-50A-1-AS-HT	OHN-50A-1-IS-HT	OHN-50A-2-HT	OHN-50A-2-AS-HT	OHN-50A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

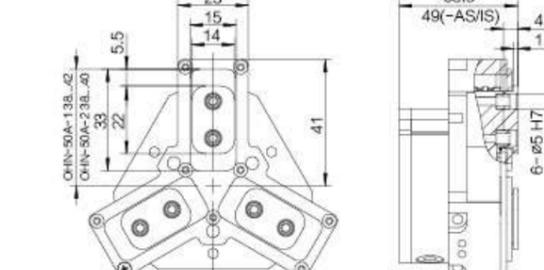
OHN-50A尺寸圖 / Application example



AS/IS

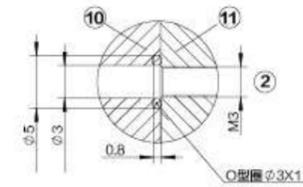


防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
 ② 壓縮空氣接口 Compressed air interface
 ③ 夾爪定位銷孔 Claw positioning pin hole
 ④ 夾指定位位置 Clip designated position set
 ⑤ 夾爪固定螺紋孔 Finger fixing threaded hole
 ⑥ 磁性傳感器檢測槽 Magnetic sensor detection slot
 ⑦ 推料板(選配件) Push plate (optional accessory)
 ⑧ 爪頭連接說明 Claw head connection instructions
 ⑨ 連接法蘭 Mounting flange

底部進氣說明 Bottom intake description



≡ 抓取夾持系列

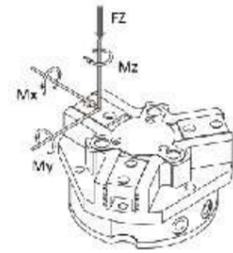
● 三指定心機械夾爪 / 3-jaw concentric grippers

OHN-64A



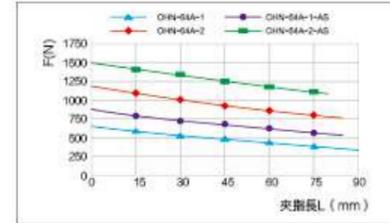
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

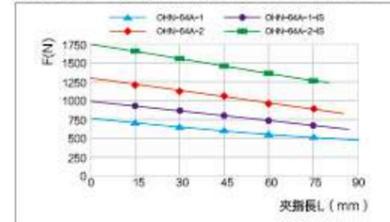


Mx max (Nm)	45
My max(Nm)	60
Mz max(Nm)	45
Fz max(N)	1200

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-64A-1	6	700	750		0.41	3.5	±0.01	24.6	0.03	0.03	2	8	0.35	90	
OHN-64A-1-AS	6	885		185	0.54	3.5	±0.01	47	0.02	0.04	4	6.5	0.35	85	
OHN-64A-1-IS	6		970	220	0.54	3.5	±0.01	47	0.04	0.02	4	6.5	0.35	85	
OHN-64A-2	3	1190	1270		0.41	5.95	±0.01	24.6	0.03	0.03	2	8	0.35	85	
OHN-64A-2-AS	3	1505		315	0.54	5.95	±0.01	47	0.02	0.04	4	6.5	0.35	80	
OHN-64A-2-IS	3		1730	460	0.54	5.95	±0.01	47	0.04	0.02	4	6.5	0.35	80	

加防護結構 / Add protective structure

型號 Model	OHN-64A-1-SD	OHN-64A-1-AS-SD	OHN-64A-1-IS-SD	OHN-64A-2-SD	OHN-64A-2-AS-SD	OHN-64A-2-IS-SD
重量 Weight(kg)	0.58	0.71	0.71	0.58	0.71	0.71
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

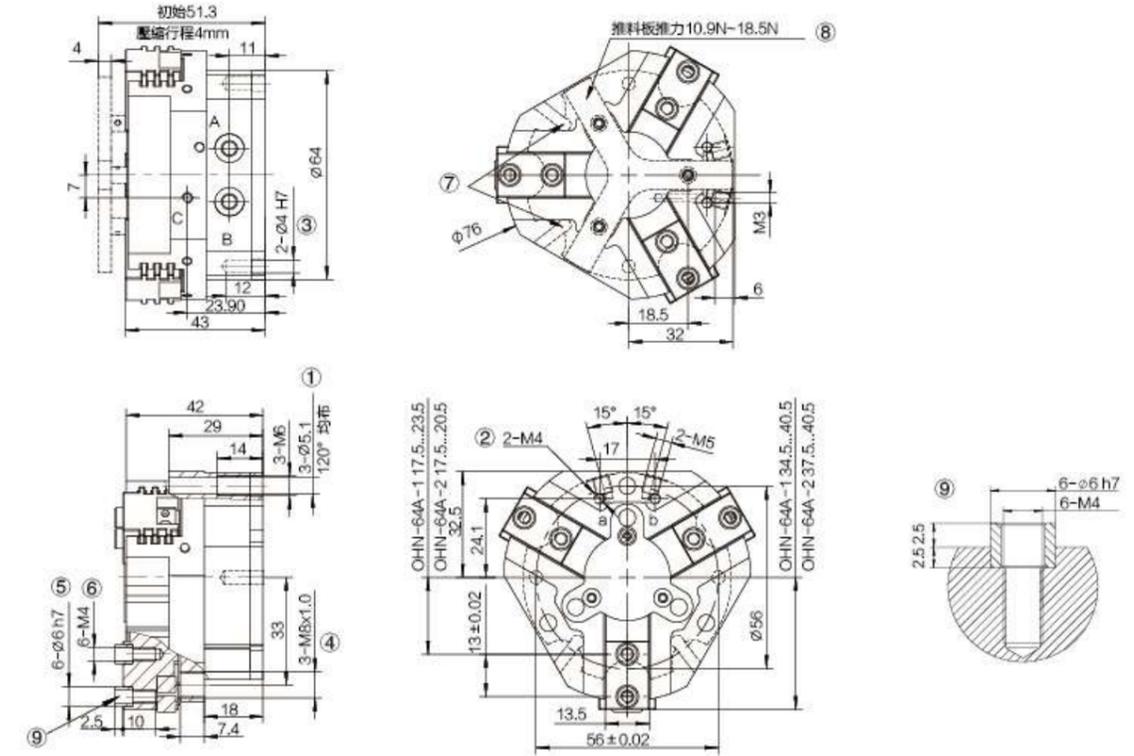
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-64A-1-HT	OHN-64A-1-AS-HT	OHN-64A-1-IS-HT	OHN-64A-2-HT	OHN-64A-2-AS-HT	OHN-64A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

≡ 抓取夾持系列

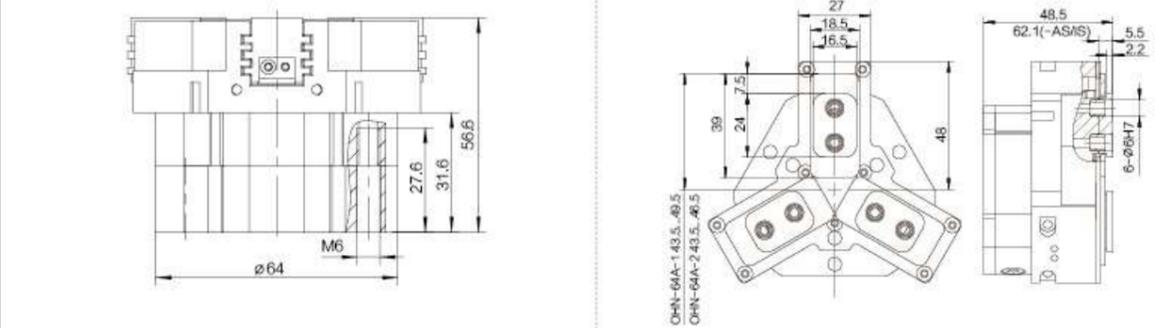
● 三指定心機械夾爪 / 3-jaw concentric grippers

OHN-64A尺寸圖 / Application example



AS/IS

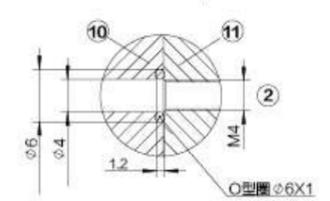
防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 壓縮空氣接口 Compressed air interface
- ③ 夾爪定位銷孔 Claw positioning pin hole
- ④ 傳感器固定螺紋孔 Sensor fixing threaded hole
- ⑤ 夾指定位套 Clip designated position set
- ⑥ 夾指固定螺紋孔 Finger fixing threaded hole
- ⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑧ 推料板(選配件) Push plate (optional accessory)
- ⑨ 爪頭連接說明 Claw head connection instructions

- ⑩ 連接法蘭 Mounting flange
- Ⓜ 夾爪 Gripper

底部進氣說明 Bottom intake description



- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

≡ 抓取夾持系列

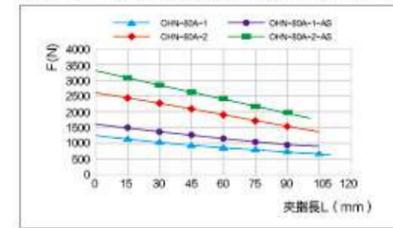
● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

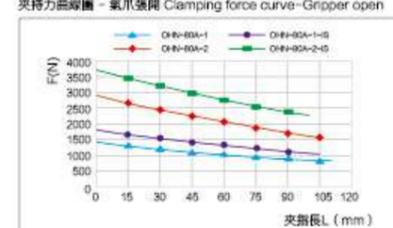
OHN-80A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open

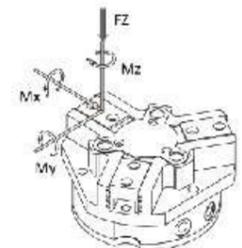


隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	80
My max(Nm)	90
Mz max(Nm)	80
Fz max(N)	1500

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-80A-1	8	1250	1400		0.7	6.25	±0.01	60	0.05	0.05	2	8	0.6	110	
OHN-80A-1-AS	8			350	0.95	6.25	±0.01	106	0.03	0.05	4	6.5	0.6	105	
OHN-80A-1-IS	8		1770	370	0.95	6.25	±0.01	106	0.06	0.04	4	6.5	0.6	105	
OHN-80A-2	4	2600	2900		0.7	13	±0.01	60	0.05	0.05	2	8	0.6	105	
OHN-80A-2-AS	4			730	0.95	13	±0.01	106	0.03	0.05	4	6.5	0.6	100	
OHN-80A-2-IS	4		3660	760	0.95	13	±0.01	106	0.06	0.04	4	6.5	0.6	100	

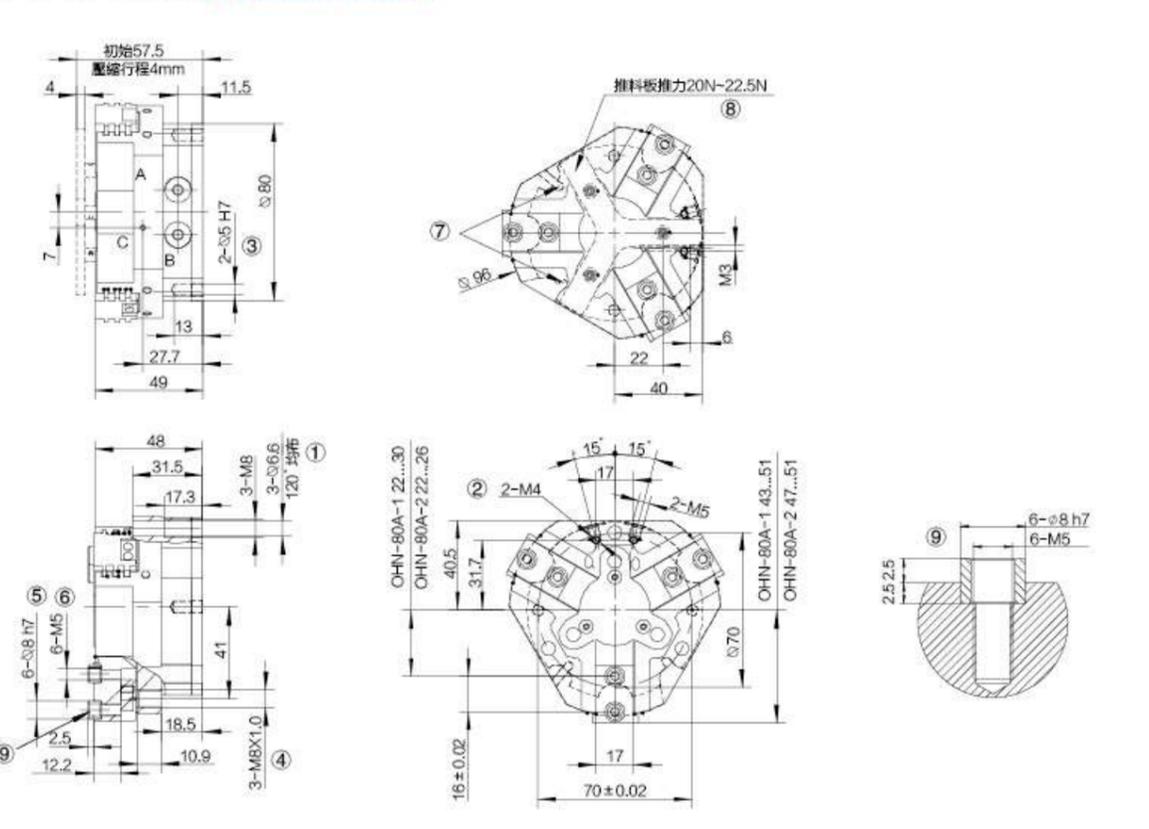
加防護結構 / Add protective structure

型號 Model	OHN-80A-1-SD	OHN-80A-1-AS-SD	OHN-80A-1-IS-SD	OHN-80A-2-SD	OHN-80A-2-AS-SD	OHN-80A-2-IS-SD
重量 Weight(kg)	0.91	1.16	1.16	0.91	1.16	1.16
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

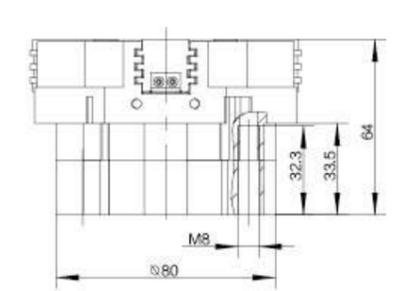
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-80A-1-HT	OHN-80A-1-AS-HT	OHN-80A-1-IS-HT	OHN-80A-2-HT	OHN-80A-2-AS-HT	OHN-80A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

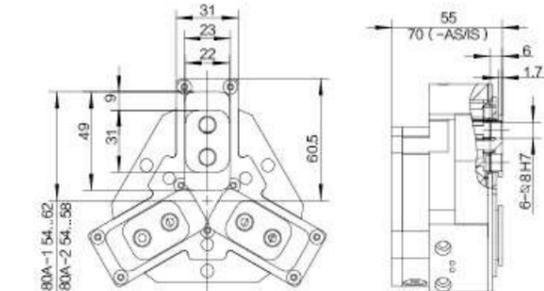
OHN-80A尺寸圖 / Application example



AS/IS



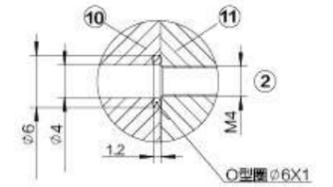
防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 傳感器固定螺紋孔 Sensor fixing threaded hole
⑤ 夾指指定位置 Clip designated position set
⑥ 夾指固定螺紋孔 Finger fixing threaded hole
⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑧ 推料板(選配件) Push plate (optional accessory)
⑨ 爪頭連接說明 Claw head connection instructions

⑩ 連接法蘭 Mounting flange
⑪ 夾爪 Gripper

底部進氣說明 Bottom intake description



A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

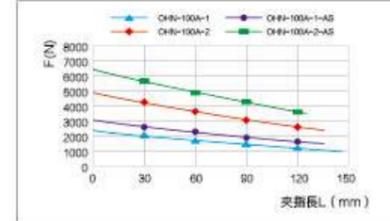
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

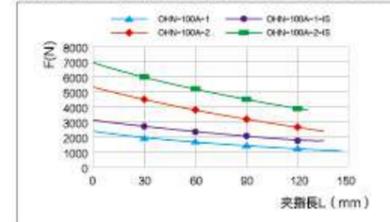
OHN-100A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed

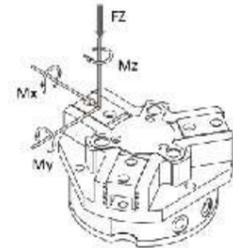


夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	80
My max(Nm)	115
Mz max(Nm)	70
Fz max(N)	2000

隨夾持點距離的不同，夾持力的變化曲線

Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-100A-1	10	2280	2440		1.4	11.4	±0.01	120	0.1	0.1	2	8	1.1	145	
OHN-100A-1-AS	10	2920		720	1.95	11.4	±0.01	208	0.1	0.2	4	6.5	1.1	135	
OHN-100A-1-IS	10		3180	780	1.95	11.4	±0.01	208	0.2	0.1	4	6.5	1.1	135	
OHN-100A-2	5	4800	5300		1.4	24	±0.01	120	0.1	0.1	2	8	1.1	135	
OHN-100A-2-AS	5	6300		1500	1.95	24	±0.01	208	0.1	0.2	4	6.5	1.1	125	
OHN-100A-2-IS	5		6920	1620	1.95	24	±0.01	208	0.2	0.1	4	6.5	1.1	125	

加防護結構 / Add protective structure

型號 Model	OHN-100A-1-SD	OHN-100A-1-AS-SD	OHN-100A-1-IS-SD	OHN-100A-2-SD	OHN-100A-2-AS-SD	OHN-100A-2-IS-SD
重量 Weight(kg)	1.89	2.44	2.44	1.89	2.44	2.44
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

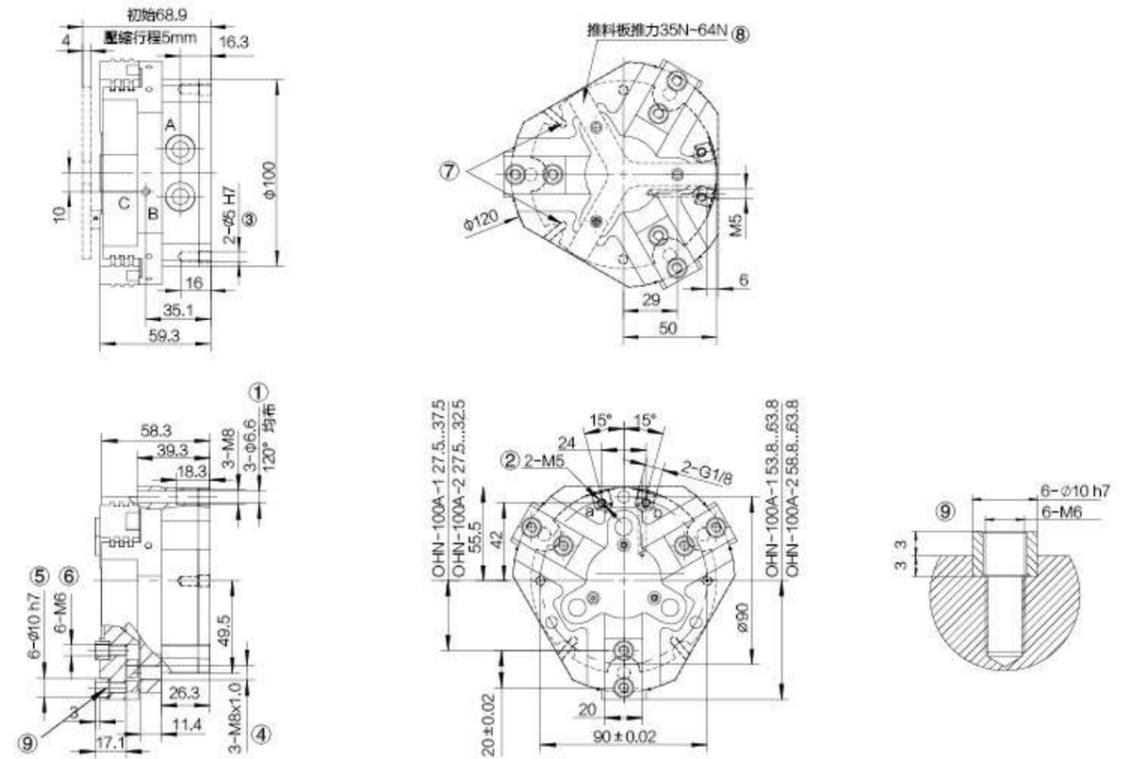
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-100A-1-HT	OHN-100A-1-AS-HT	OHN-100A-1-IS-HT	OHN-100A-2-HT	OHN-100A-2-AS-HT	OHN-100A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

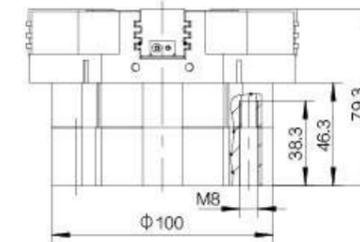
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

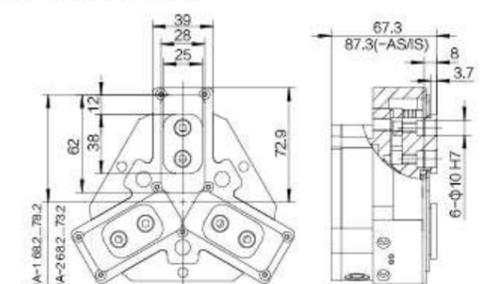
OHN-100A尺寸圖 / Application example



AS/IS



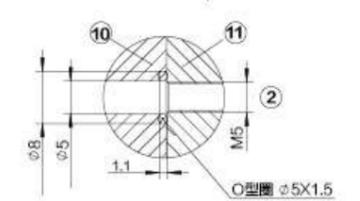
防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 壓縮空氣接口 Compressed air interface
- ③ 夾爪定位銷孔 Claw positioning pin hole
- ④ 傳感器固定螺紋孔 Sensor fixing threaded hole
- ⑤ 夾指定位孔 Clip designated position set
- ⑥ 夾指固定螺紋孔 Finger fixing threaded hole
- ⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑧ 推料板(選配件) Push plate (optional accessory)
- ⑨ 爪頭連接說明 Claw head connection instructions

- ⑩ 連接法蘭 Mounting flange
- ⑪ 夾爪 Gripper

底部進氣說明 Bottom intake description



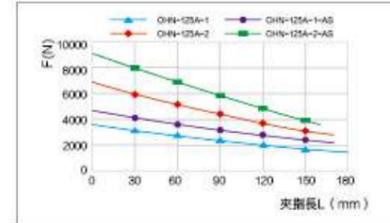
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

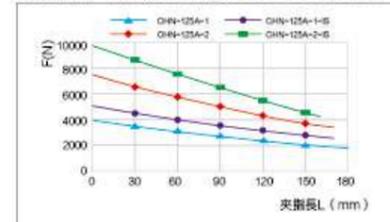
OHN-125A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed

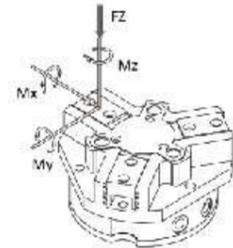


夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	120
My max(Nm)	145
Mz max(Nm)	100
Fz max(N)	2800

隨夾持點距離的不同，夾持力的變化曲線

Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-125A-1	13	3700	4000		2.1	18.5	±0.01	226	0.2	0.2	2	8	2.1	180	
OHN-125A-1-AS	13	4750		1050	3.3	18.5	±0.01	380	0.17	0.35	4	6.5	2.1	170	
OHN-125A-1-IS	13		5070	1070	3.3	18.5	±0.01	380	0.35	0.17	4	6.5	2.1	170	
OHN-125A-2	6	6900	7500		2.1	34.5	±0.01	226	0.2	0.2	2	8	2.1	170	
OHN-125A-2-AS	6	9070		2170	3.3	34.5	±0.01	380	0.17	0.35	4	6.5	2.1	160	
OHN-125A-2-IS	6		9710	2210	3.3	34.5	±0.01	380	0.35	0.17	4	6.5	2.1	160	

加防護結構 / Add protective structure

型號 Model	OHN-125A-1-SD	OHN-125A-1-AS-SD	OHN-125A-1-IS-SD	OHN-125A-2-SD	OHN-125A-2-AS-SD	OHN-125A-2-IS-SD
重量 Weight(kg)	2.53	3.73	3.73	2.53	3.73	3.73
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

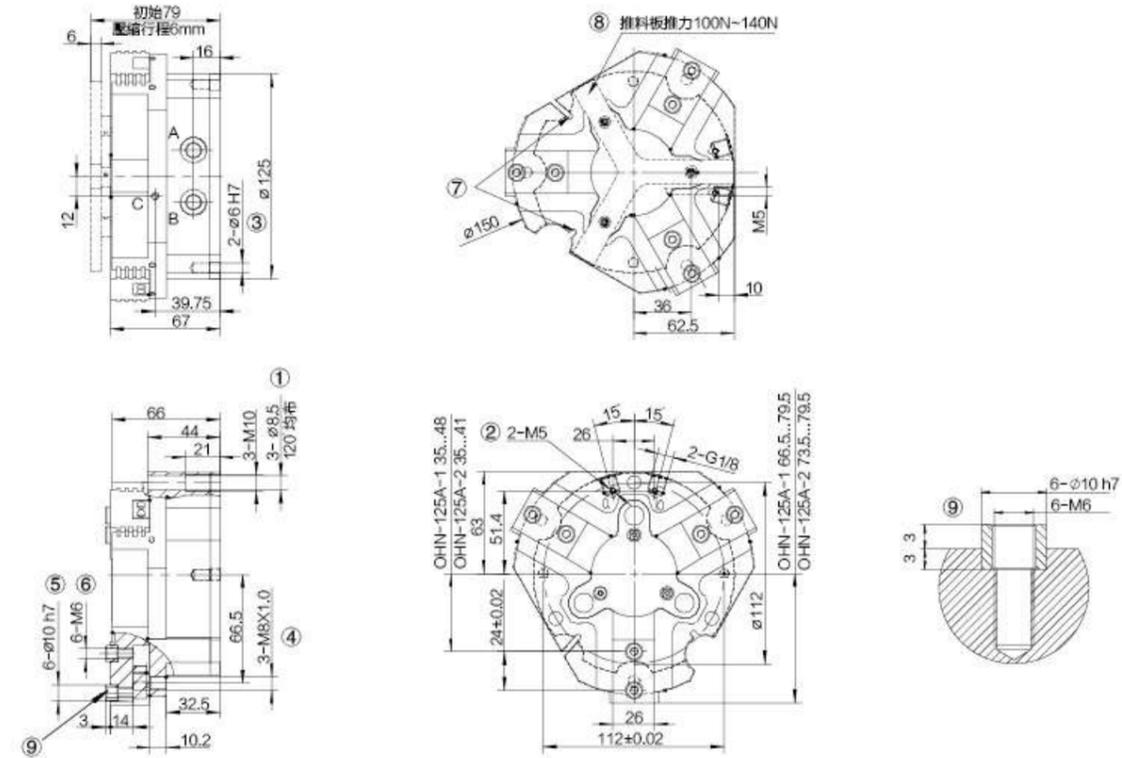
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-125A-1-HT	OHN-125A-1-AS-HT	OHN-125A-1-IS-HT	OHN-125A-2-HT	OHN-125A-2-AS-HT	OHN-125A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

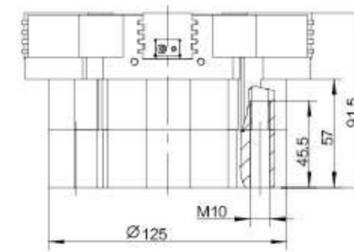
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

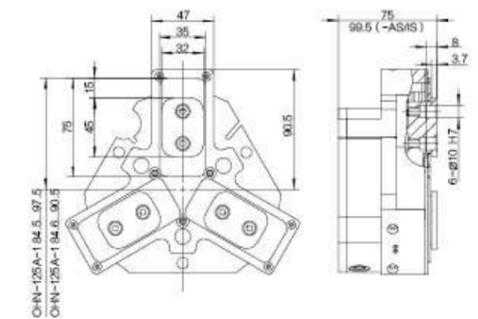
OHN-125A尺寸圖 / Application example



AS/IS



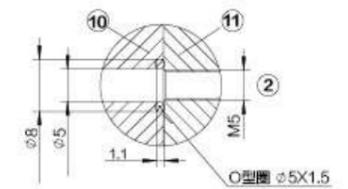
防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 壓縮空氣接口 Compressed air interface
- ③ 夾爪定位銷孔 Claw positioning pin hole
- ④ 傳感器固定螺紋孔 Sensor fixing threaded hole
- ⑤ 夾指指定位置 Clip designated position set
- ⑥ 夾指固定螺紋孔 Finger fixing threaded hole
- ⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑧ 推料板(選配件) Push plate (optional accessory)
- ⑨ 爪頭連接說明 Claw head connection instructions

- ⑩ 連接法蘭 Mounting flange
- ⑪ 夾爪 Gripper

底部進氣說明 Bottom intake description



- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣增壓孔 Air boost hole

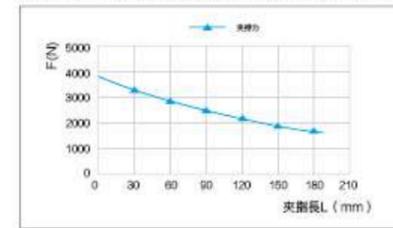
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

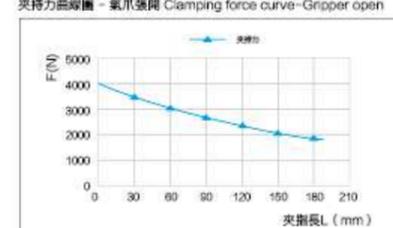
OHN-135A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed

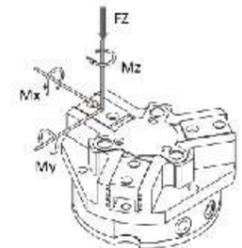


夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	160
My max (Nm)	170
Mz max (Nm)	110
Fz max (N)	4400

隨夾持距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-135A-1	35	3700	4000		4.9	18.5	±0.01	472	1.3	1.3	2	8	2.3	190	

加防護結構 / Add protective structure

型號 Model	OHN-135A-1-SD
重量 Weight(kg)	5.8
防護等級 Protection to IEC 60529	IP64

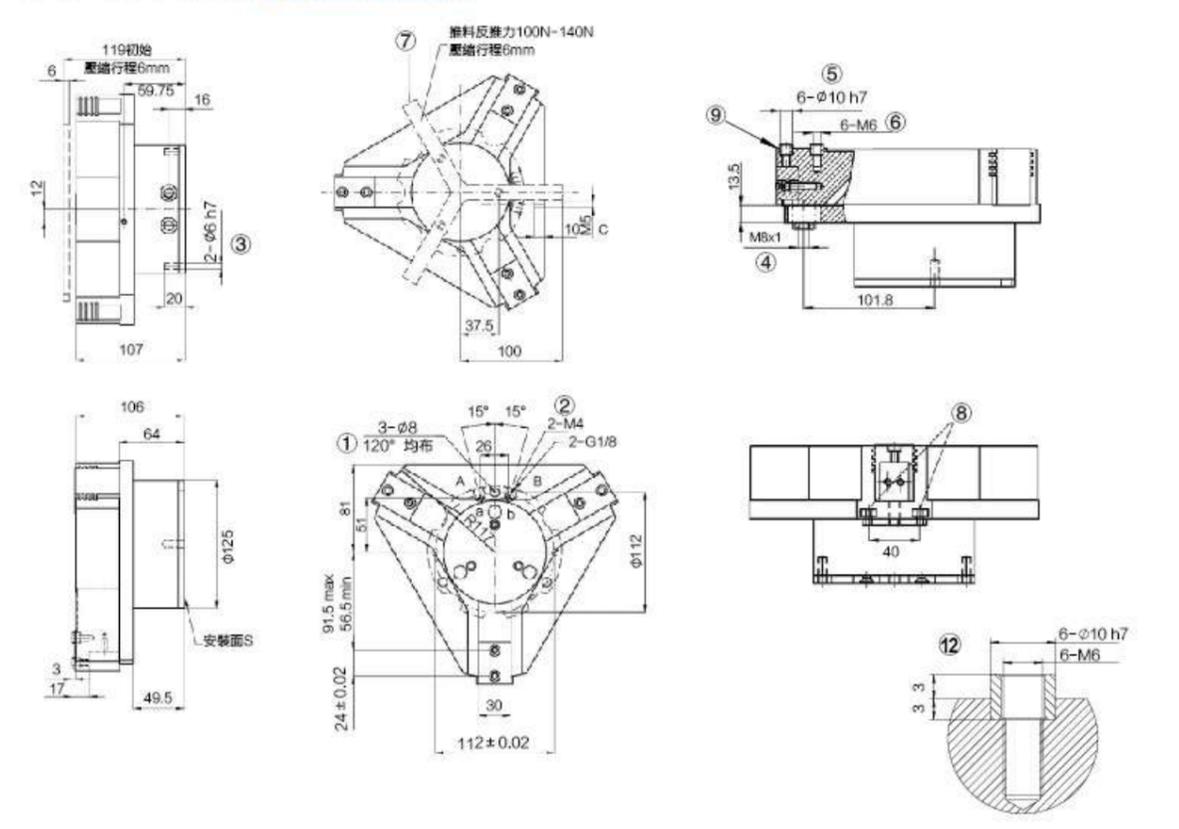
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-135A-1-HT
工作溫度 Operating temperature(°C)	-10 ~ 130

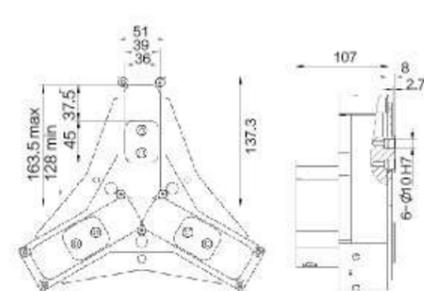
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

OHN-135A尺寸圖 / Application example



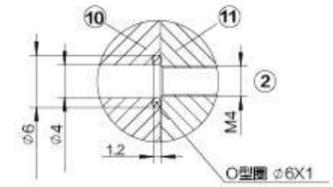
防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 傳感器固定螺紋孔 Sensor fixing threaded hole
⑤ 夾指指定位置 Clip designated position set
⑥ 夾指固定螺紋孔 Finger fixing threaded hole
⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑧ 推料板(選配件) Push plate (optional accessory)
⑨ 爪頭連接說明 Claw head connection instructions

⑩ 連接法蘭 Mounting flange
Ⓜ 夾爪 Gripper

底部進氣說明 Bottom intake description



A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

≡ 抓取夾持系列

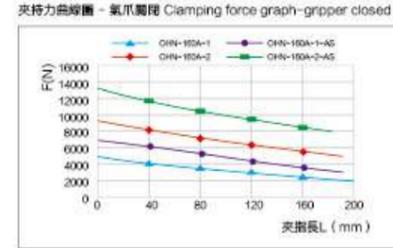
● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

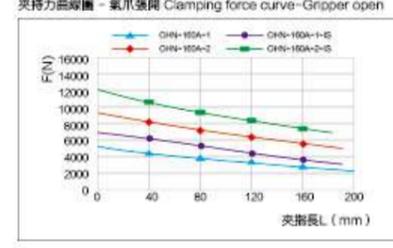
OHN-160A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed

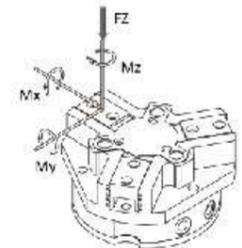


夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.



Mx max (Nm)	150
My max(Nm)	180
Mz max(Nm)	115
Fz max(N)	4000

隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual, The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取產量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-160A-1	16	5000	5400		4.35	25	±0.02	480	0.5	0.5	2	8	3	200	
OHN-160A-1-AS	16	6990		1990	7.5	25	±0.02	840	0.4	0.8	4	6.5	3	190	
OHN-160A-1-IS	16		7490	2090	7.5	25	±0.02	840	0.8	0.4	4	6.5	3	190	
OHN-160A-2	8	9200	9930		4.35	46	±0.02	480	0.5	0.5	2	8	3	190	
OHN-160A-2-AS	8	13210		4010	7.5	46	±0.02	840	0.4	0.8	4	6.5	3	180	
OHN-160A-2-IS	8		14270	4340	7.5	46	±0.02	840	0.8	0.4	4	6.5	3	180	

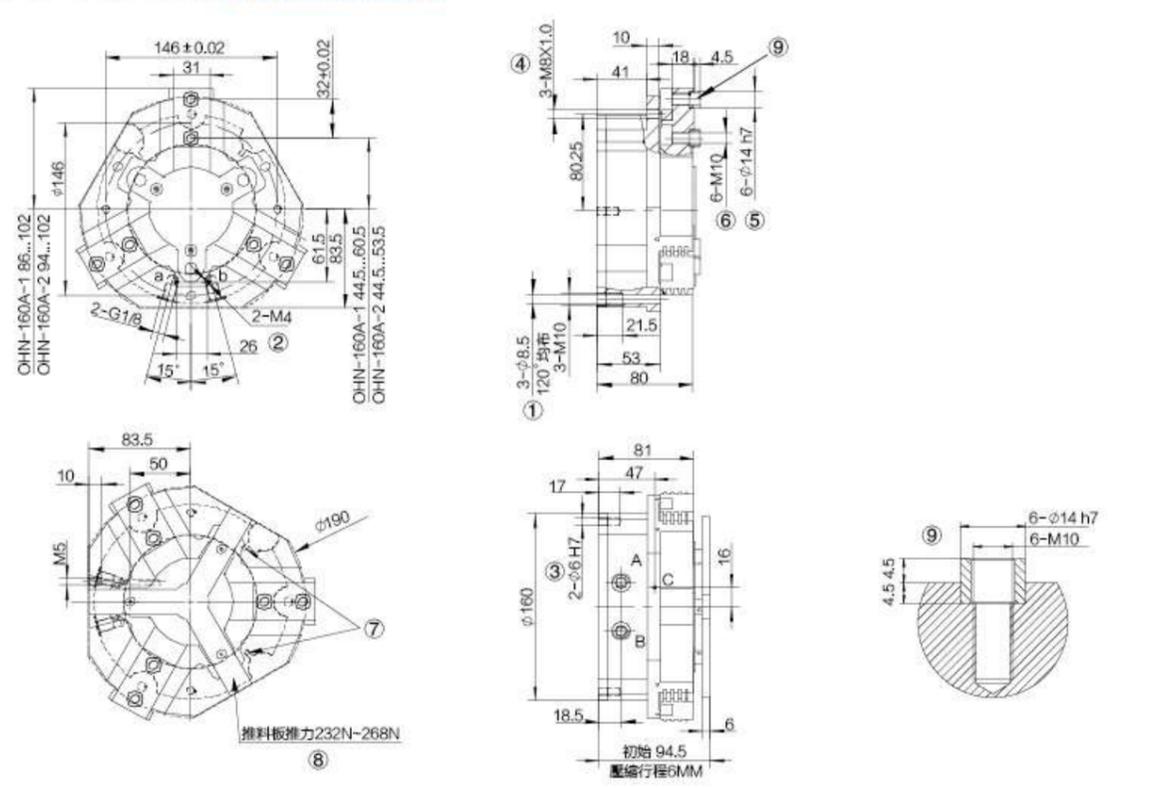
加防護結構 / Add protective structure

型號 Model	OHN-160A-1-SD	OHN-160A-1-AS-SD	OHN-160A-1-IS-SD	OHN-160A-2-SD	OHN-160A-2-AS-SD	OHN-160A-2-IS-SD
重量 Weight(kg)	5.25	8.4	8.4	5.25	8.4	8.4
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

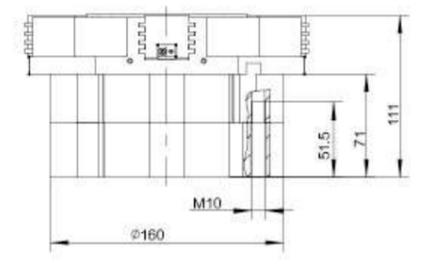
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-160A-1-HT	OHN-160A-1-AS-HT	OHN-160A-1-IS-HT	OHN-160A-2-HT	OHN-160A-2-AS-HT	OHN-160A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

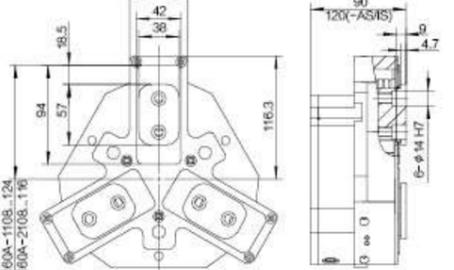
OHN-160A尺寸圖 / Application example



AS/IS



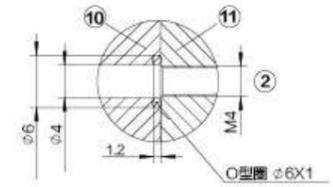
防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 傳感器固定螺紋孔 Sensor fixing threaded hole
⑤ 夾指指定位置 Clip designated position set
⑥ 夾指固定螺紋孔 Finger fixing threaded hole
⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑧ 推料板(選配件) Push plate (optional accessory)
⑨ 爪頭連接說明 Claw head connection instructions

⑩ 連接法蘭 Mounting flange
⑪ 夾爪 Gripper
⑫ 爪頭連接說明 Claw head connection instructions

底部進氣說明 Bottom intake description

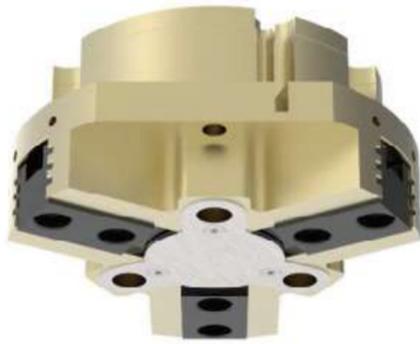


A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

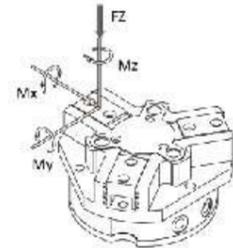
● 三指定心機械夾爪 / 3-jaw concentric grippers

OHN-200A



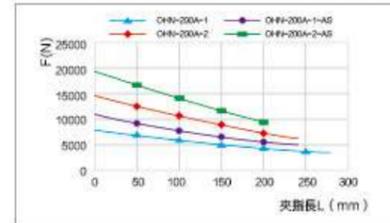
容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

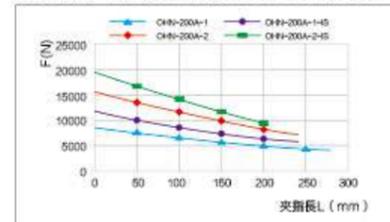


Mx max (Nm)	180
My max (Nm)	200
Mz max (Nm)	140
Fz max (N)	5000

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線

Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-200A-1-IS	25	8200	8700		10.5	41	±0.05	1040	1.2	1.2	2	8	6.5	280	
OHN-200A-1-AS	25	10900		2700	15.5	41	±0.05	1720	1	1.5	4	6.5	6.5	240	
OHN-200A-1-IS	25		11660	2960	15.5	41	±0.05	1720	1.5	1	4	6.5	6.5	240	
OHN-200A-2	14	14600	15500		10.5	73	±0.05	1040	1.2	1.2	2	8	6.5	240	
OHN-200A-2-AS	14	19280		4680	15.5	73	±0.05	1720	1	1.5	4	6.5	6.5	200	
OHN-200A-2-IS	14		20500	5000	15.5	73	±0.05	1720	1.5	1	4	6.5	6.5	200	

加防護結構 / Add protective structure

型號 Model	OHN-200A-1-SD	OHN-200A-1-AS-SD	OHN-200A-1-IS-SD	OHN-200A-2-SD	OHN-200A-2-AS-SD	OHN-200A-2-IS-SD
重量 Weight(kg)	11.5	16.5	16.5	11.5	16.5	16.5
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

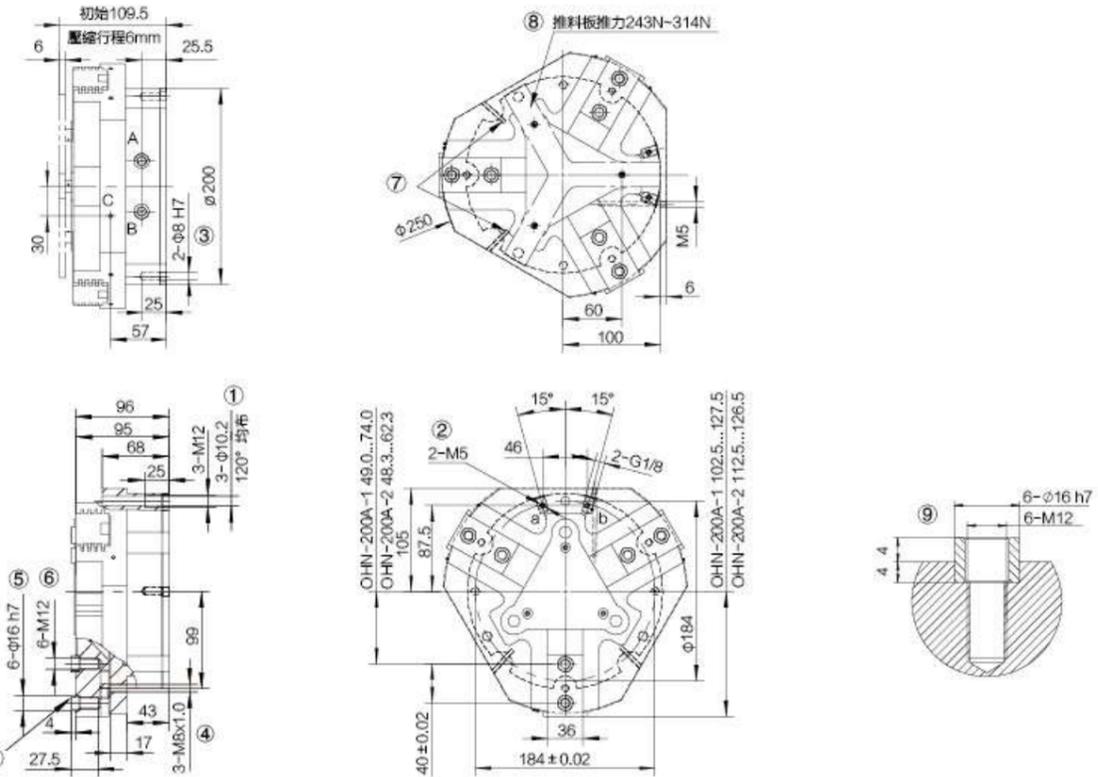
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-200A-1-HT	OHN-200A-1-AS-HT	OHN-200A-1-IS-HT	OHN-200A-2-HT	OHN-200A-2-AS-HT	OHN-200A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

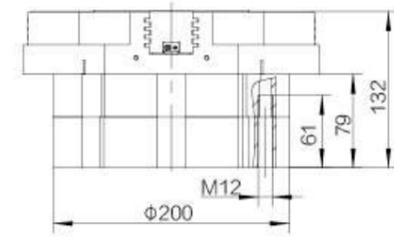
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

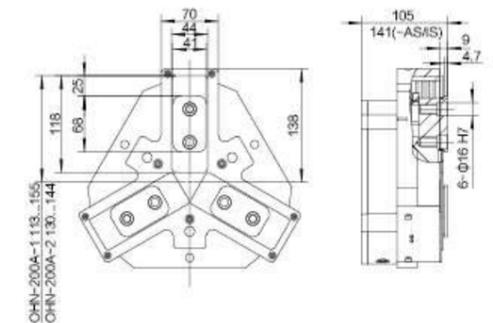
OHN-200A尺寸圖 / Application example



AS/IS



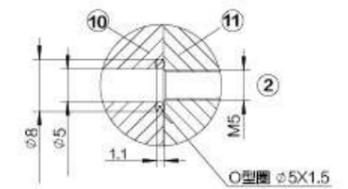
防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 壓縮空氣接口 Compressed air interface
- ③ 夾爪定位銷孔 Claw positioning pin hole
- ④ 傳感器固定螺紋孔 Sensor fixing threaded hole
- ⑤ 夾指定位套 Clip designated position set
- ⑥ 夾指固定螺紋孔 Finger fixing threaded hole
- ⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑧ 推料板(選配件) Push plate (optional accessory)
- ⑨ 爪頭連接說明 Claw head connection instructions

- ⑩ 連接法蘭 Mounting flange
- ⑪ 夾爪 Gripper

底部進氣說明 Bottom intake description

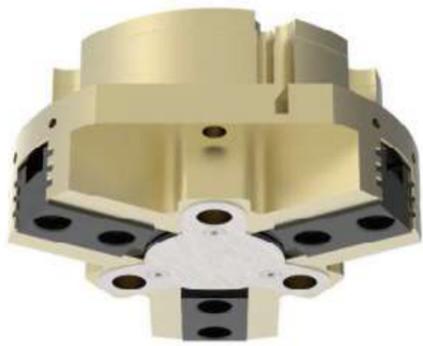


- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

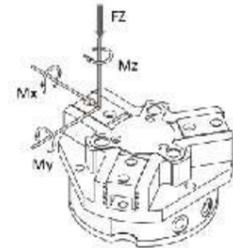
● 三指定心機械夾爪 / 3-jaw concentric grippers

OHN-240A



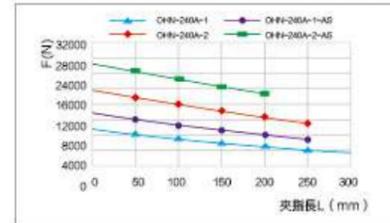
容許外力負載 Allow external force

- * 如果外力超過最大容許負載，產品使用壽命將會減少。
- * If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

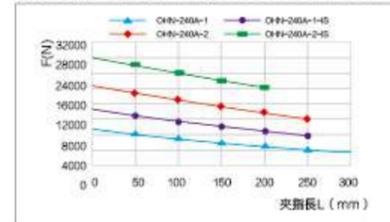


Mx max (Nm)	260
My max (Nm)	250
Mz max (Nm)	160
Fz max (N)	6100

夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- * 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- * 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- * The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- * The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價(元) Price(yuan)
OHN-240A-1	30	9500	10000		14.5	47.5	±0.05	1770	1.25	1.25	2	8	8.5	300	
OHN-240A-1-AS	30	13720		4220	20	47.5	±0.05	3080	1.1	2.1	4	6.5	8.5	250	
OHN-240A-1-IS	30		14770	4770	20	47.5	±0.05	3080	1.7	1.1	4	6.5	8.5	250	
OHN-240A-2	17	19700	20700		14.5	98.5	±0.05	1770	1.25	1.25	2	8	8.5	250	
OHN-240A-2-AS	17	26500		6800	20	98.5	±0.05	3080	1.1	2.1	4	6.5	8.5	200	
OHN-240A-2-IS	17		27900	7200	20	98.5	±0.05	3080	1.7	1.1	4	6.5	8.5	200	

加防護結構 / Add protective structure

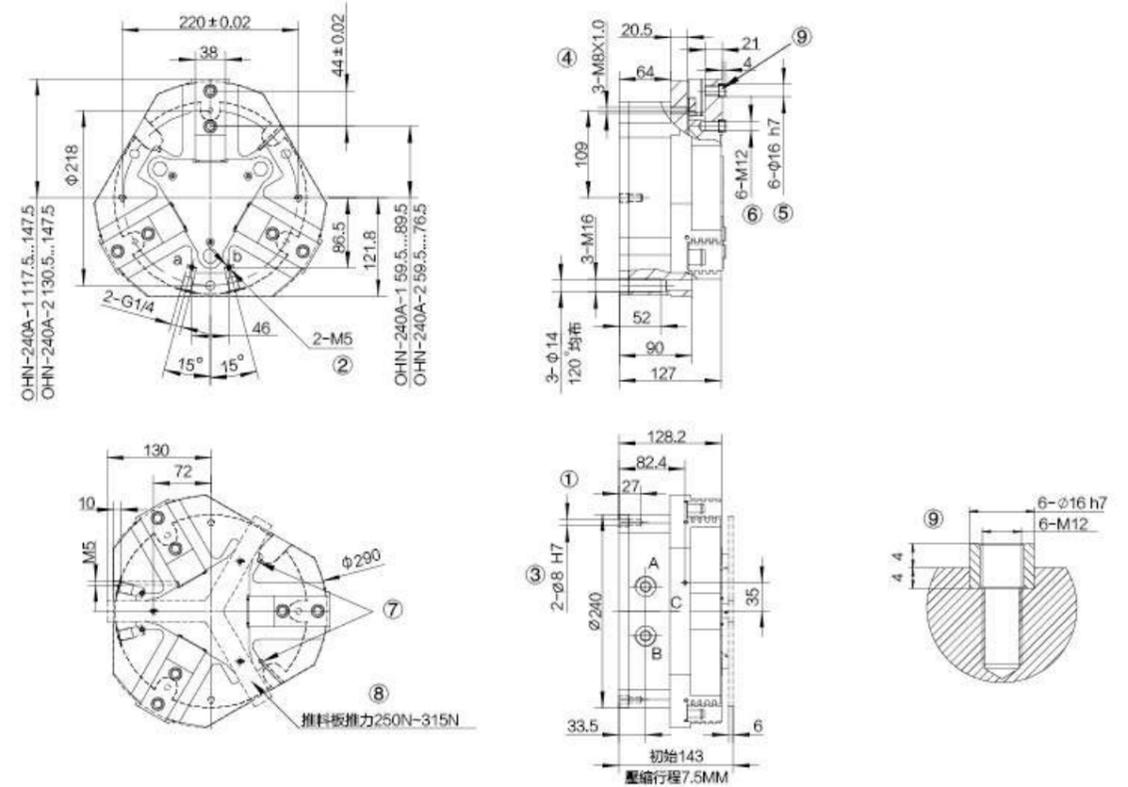
型號 Model	OHN-240A-1-SD	OHN-240A-1-AS-SD	OHN-240A-1-IS-SD	OHN-240A-2-SD	OHN-240A-2-AS-SD	OHN-240A-2-IS-SD
重量 Weight(kg)	16	21.5	21.5	16	21.5	21.5
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

選配耐高溫配置 / Optional high temperature resistant configuration

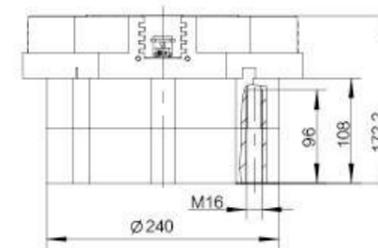
型號 Model	OHN-240A-1-HT	OHN-240A-1-AS-HT	OHN-240A-1-IS-HT	OHN-240A-2-HT	OHN-240A-2-AS-HT	OHN-240A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

● 三指定心機械夾爪 / 3-jaw concentric grippers

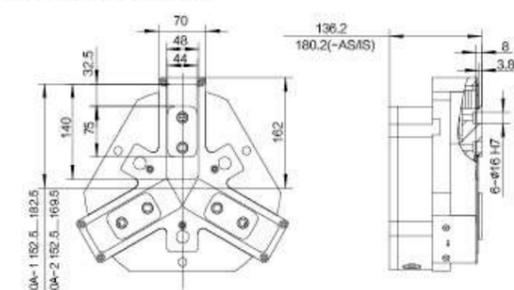
OHN-240A尺寸圖 / Application example



AS/IS

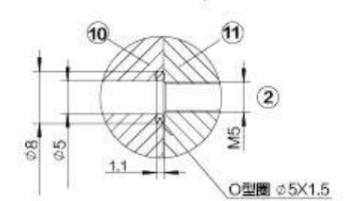


防護版本 Protection version



- ① 夾爪固定孔 Gripper fixing hole
- ② 壓縮空氣接口 Compressed air interface
- ③ 夾爪定位銷孔 Claw positioning pin hole
- ④ 傳感器固定螺紋孔 Sensor fixing threaded hole
- ⑤ 夾指指定位置 Clip designated position set
- ⑥ 夾指固定螺紋孔 Finger fixing threaded hole
- ⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
- ⑧ 推料板(選配件) Push plate (optional accessory)
- ⑨ 爪頭連接說明 Claw head connection instructions
- ⑩ 連接法蘭 Mounting flange
- ⑪ 夾爪 Gripper

底部進氣說明 Bottom intake description



- A/a 空氣接口(關閉) Air connection (closed)
- B/b 空氣接口(打開) Air connection (open)
- C 空氣增壓孔 Air boost hole

≡ 抓取夾持系列

≡ 抓取夾持系列

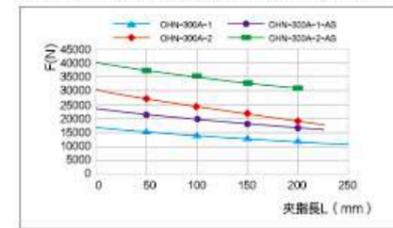
● 三指定心機械夾爪 / 3-jaw concentric grippers

● 三指定心機械夾爪 / 3-jaw concentric grippers

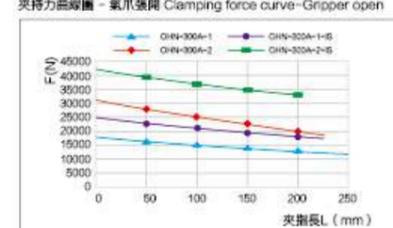
OHN-300A



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時兩夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

Mx max (Nm)	400
My max (Nm)	400
Mz max (Nm)	280
Fz max (N)	8000

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力 (N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣體耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 (元) Price(yuan)
OHN-300A-1	35	17200	17900		32	86	±0.05	2850	1.3	1.3	2	8	11.5	250	
OHN-300A-1-AS	35	23700		6500	43	86	±0.05	5040	1.2	2.5	4	6.5	11.5	225	
OHN-300A-1-IS	35		25400	7500	43	86	±0.05	5040	2	1.2	4	6.5	11.5	225	
OHN-300A-2	20	30300	31500		32	151.5	±0.05	2850	1.3	1.3	2	8	11.5	225	
OHN-300A-2-AS	20	40300		10000	43	151.5	±0.05	5040	1.2	2.5	4	6.5	11.5	200	
OHN-300A-2-IS	20		42000	10500	43	151.5	±0.05	5040	2	1.2	4	6.5	11.5	200	

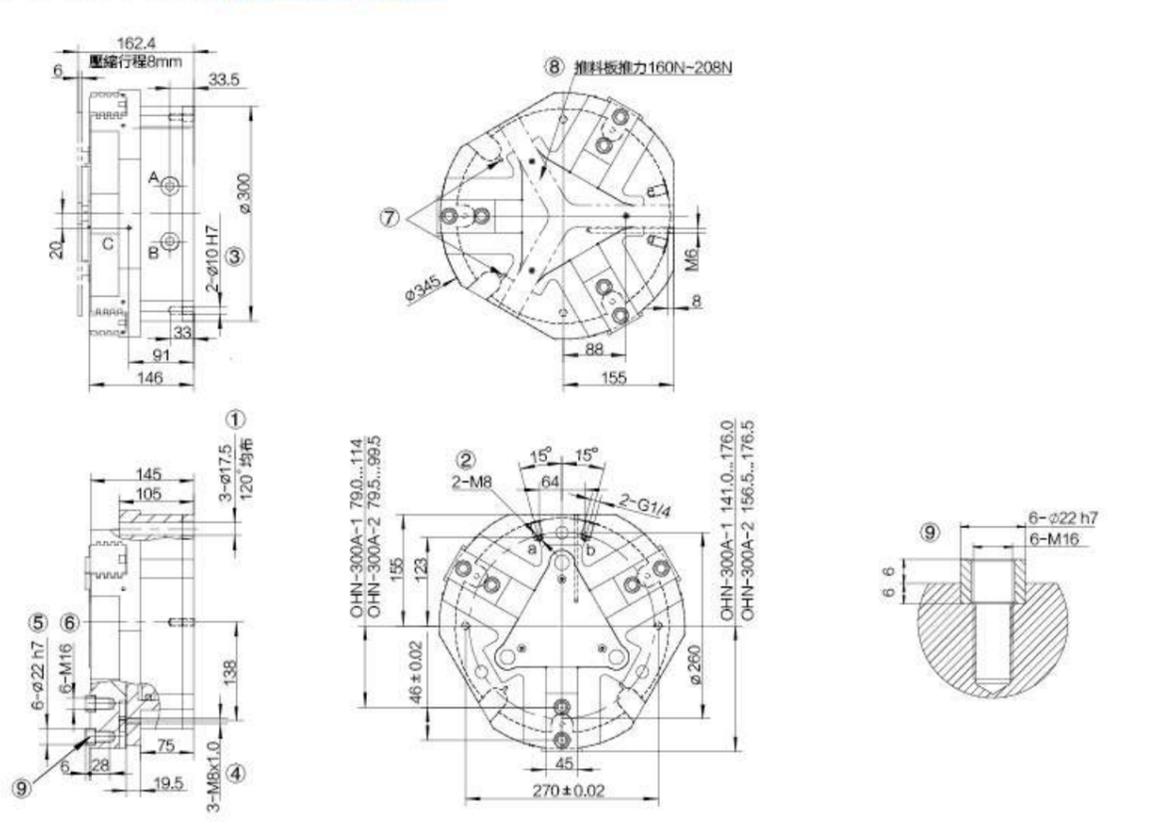
加防護結構 / Add protective structure

型號 Model	OHN-300A-1-SD	OHN-300A-1-AS-SD	OHN-300A-1-IS-SD	OHN-300A-2-SD	OHN-300A-2-AS-SD	OHN-300A-2-IS-SD
重量 Weight(kg)	34.5	45.5	45.5	34.5	45.5	45.5
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

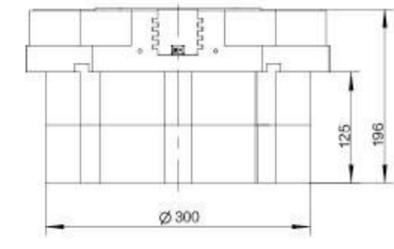
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-300A-1-HT	OHN-300A-1-AS-HT	OHN-300A-1-IS-HT	OHN-300A-2-HT	OHN-300A-2-AS-HT	OHN-300A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

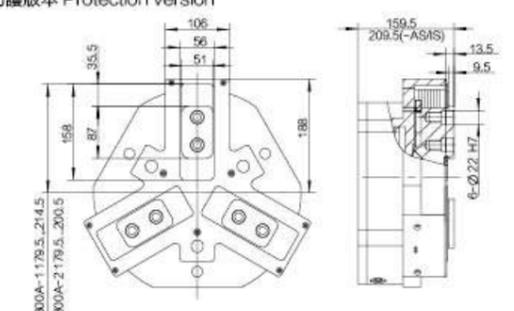
OHN-300A尺寸圖 / Application example



AS/IS



防護版本 Protection version

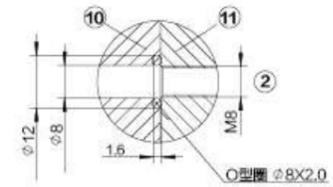


① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 傳感器固定螺紋孔 Sensor fixing threaded hole
⑤ 夾指定位位置 Clip designated position set
⑥ 夾指固定螺紋孔 Finger fixing threaded hole
⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑧ 推料板(選配件) Push plate (optional accessory)
⑨ 爪頭連接說明 Claw head connection instructions

⑩ 連接法蘭 Mounting flange
⑪ 夾爪 Gripper

A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

底部進氣說明 Bottom intake description



≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

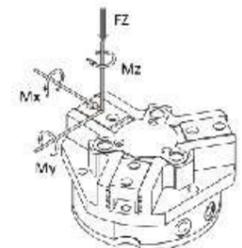
OHN-380A



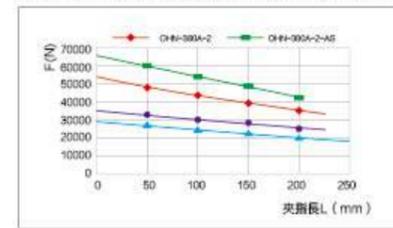
容許外力負載 Allow external force

- 如果外力超過最大容許負載，產品使用壽命將會減少。
- If the external force exceeds the maximum allowable load, the service life of the product will be reduced.

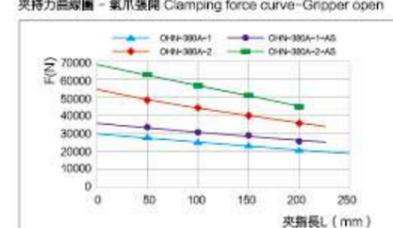
Mx max (Nm)	560
My max (Nm)	560
Mz max (Nm)	370
Fz max (N)	10000



夾持力曲線圖 - 氣爪關閉 Clamping force graph-gripper closed



夾持力曲線圖 - 氣爪張開 Clamping force curve-Gripper open



隨夾持點距離的不同，夾持力的變化曲線
Variation curve of clamping force with different clamping point distance

- 最大夾持力是指夾持點距離為0，懸臂距離為0時指夾爪夾持力的合計值。
- 隨距離的不同，實際夾持力會存在波動，以上僅供參考。
- The large clamping force refers to the total value of the clamping force of the two clamping jaws when the clamping point distance is 0 and the cantilever distance is 0.
- The actual clamping force will fluctuate depending on the individual. The above is for reference only.

型號 Model	單指行程 (mm)	關閉力 (N)	開啟力 (N)	最小彈簧力(N)	本體重量 (kg)	抓取重量 (kg)	定位精度 (mm)	氣缸耗量 (cm ³)	關閉時間 (s)	打開時間 (s)	最低工作壓力 (bar)	最高工作壓力 (bar)	每夾指最大重量 (kg)	夾指最大長度 (mm)	單價 Price (yuan)
OHN-380A-1	45	29000	29900		64	145	±0.05	7240	2.2	2.2	2	8	13.5	250	
OHN-380A-1-AS	45	35400		6400	75	145	±0.05	9350	1.9	3.3	4	6.5	13.5	225	
OHN-380A-1-IS	45		36400	6500	75	145	±0.05	9350	4.6	1.9	4	6.5	13.5	225	
OHN-380A-2	26	53900	55600		66	269.5	±0.05	7240	2.2	2.2	2	8	13.5	225	
OHN-380A-2-AS	26	65800		11900	77	269.5	±0.05	9350	1.9	3.3	4	6.5	13.5	200	
OHN-380A-2-IS	26		67600	12000	77	269.5	±0.05	9350	4.6	1.9	4	6.5	13.5	200	

加防護結構 / Add protective structure

型號 Model	OHN-380A-1-SD	OHN-380A-1-AS-SD	OHN-380A-1-IS-SD	OHN-380A-2-SD	OHN-380A-2-AS-SD	OHN-380A-2-IS-SD
重量 Weight(kg)	67	78	78	69	80	80
防護等級 Protection to IEC 60529	IP64	IP64	IP64	IP64	IP64	IP64

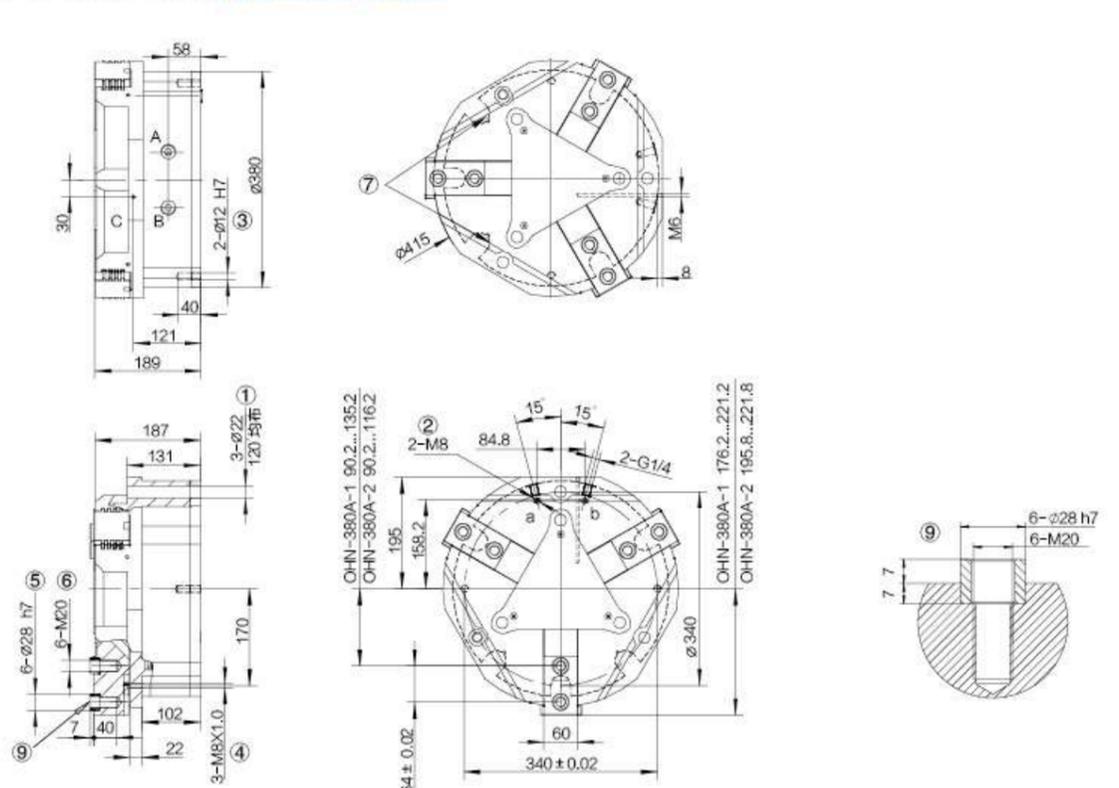
選配耐高溫配置 / Optional high temperature resistant configuration

型號 Model	OHN-380A-1-HT	OHN-380A-1-AS-HT	OHN-380A-1-IS-HT	OHN-380A-2-HT	OHN-380A-2-AS-HT	OHN-380A-2-IS-HT
工作溫度 Operating temperature(°C)	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130	-10 ~ 130

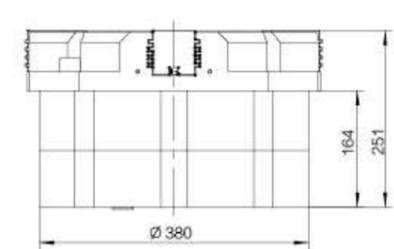
≡ 抓取夾持系列

● 三指定心機械夾爪 / 3-jaw concentric grippers

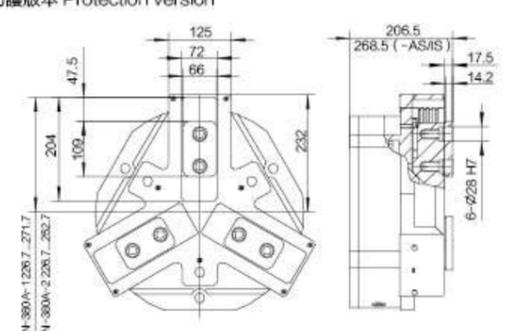
OHN-380A尺寸圖 / Application example



AS/IS



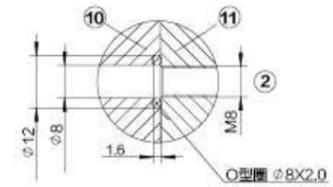
防護版本 Protection version



① 夾爪固定孔 Gripper fixing hole
② 壓縮空氣接口 Compressed air interface
③ 夾爪定位銷孔 Claw positioning pin hole
④ 傳感器固定螺紋孔 Sensor fixing threaded hole
⑤ 夾指定位套 Clip designated position set
⑥ 夾指固定螺紋孔 Finger fixing threaded hole
⑦ 磁性傳感器檢測槽 Magnetic sensor detection slot
⑧ 推料板(選配件) Push plate (optional accessory)
⑨ 爪頭連接說明 Claw head connection instructions

⑩ 連接法蘭 Mounting flange
⊕ 夾爪 Gripper

底部進氣說明 Bottom intake description



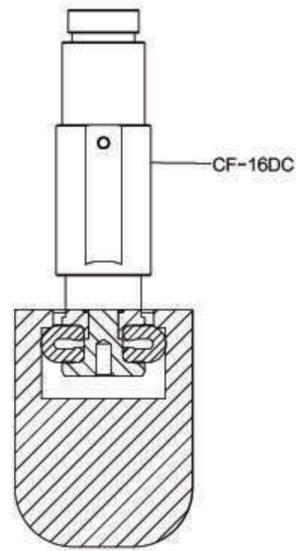
A/a 空氣接口(關閉) Air connection (closed)
B/b 空氣接口(打開) Air connection (open)
C 空氣增壓孔 Air boost hole

抓取夾持系列

● 氣球夾 Balloon clip

- 新型專利概念：手動空氣。
- 下行(CF-D) 或上行(CF-U)。
- 橡皮圈部分可由矽或EPDM制成。
- 夾取尺寸可從8 到 85 mm不等。
- 可選頂錐做中心。
- 可選的類磁傳感器。
- 多種安裝附件

- New concept for innovative air hands.
- Downward movement (CF-D), or Upward movement (CF-U).
- The elastic part can be in Silicone or EPDM.
- Grip diameters from 8 to 85 mm.
- Optional nose cones for centering.
- Optional proximity magnetic sensors.
- Several mounting accessories.



C F 0 8 D C 0 1

CF-16DC

基本尺寸
Base diameter
08-10-12-14-16-18-22-27-33

動作方向
Actuation direction
D - 向下
D - Downward
U - 向上
U - Upward

橡皮圈部分
Elastic part

01-白色矽膠
in white Silicone
02-黑色EPDM
in black EPDM

空氣輸送
Air feeding

C-同軸空氣配備
C-By coaxial air fitting
L-側邊空氣配備或者過孔
L-By side air fitting and through hole

抓取夾持系列

● 氣球夾 Balloon clip

氣球夾CF-D/CF-U系列

型號 Model	CF-D/CF-U	T	單價(元) Price(yuan)
CF08-01	φ8	-70° C~200° C	
CF08-02	φ8		
CF10-01	φ10		
CF10-02	φ10		
CF12-01	φ12		
CF12-02	φ12		
CF14-01	φ14		
CF14-02	φ14		
CF16-01	φ16		
CF16-02	φ16		
CF18-01	φ18		
CF18-02	φ18		
CF22-01	φ22		
CF22-02	φ22		
CF27-01	φ27		
CF27-02	φ27		
CF33-01	φ33		
CF33-02	φ33		



矽橡膠或EPDM?

- 彈性部件為白色矽膠或黑色 EPDM 材質。
- 矽橡膠可提供較高的溫度範圍，確保較長的使用壽命。但是，有些場合卻不適用，由於他很難油漆和套在把柄部位。
- EPDM 無需標記且耐摩擦。
- 採用矽橡膠或EPDM的橡膠圈可作為備件，磨損後可替換。
- EPDM 制成的橡膠圈預計可使用50萬次。
- 矽橡膠制成的橡膠圈預計可使用100萬次。

Silicone or EPDM?

- The elastic part can be in white silicone or black EPDM.
- Silicone can be used over a wider temperature range and assures a longer life time, but it is not suitable in some industries, because it makes it difficult to paint or to coat the parts that are touched.
- EPDM is mark-free and provides a higher coefficient of friction.
- The elastic part in Silicone or EPDM is available as a spare part and can be replaced, when worn out.
- The expected medium life time of the elastic part in EPDM is about 0.5 million cycles.
- The expected medium life time of the elastic part in Silicone is about 1 million cycles.

● 氣球夾具

矽橡膠或EPDM(橡膠圈部件)

核心椎體

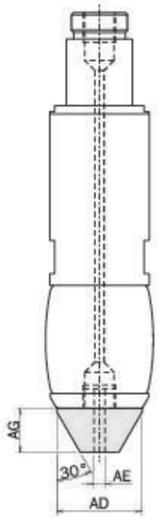
- 核心椎體由尼龍制成，帶不銹鋼螺釘，作為可選備件。
- 尺寸大於33時，將會提供壹個過孔。

Centering cones

- Centering cones in nylon with the stainless screw, are available as an option.
- For the sizes larger than 33, they are also provided with a through hole.



CF-D/CF-U

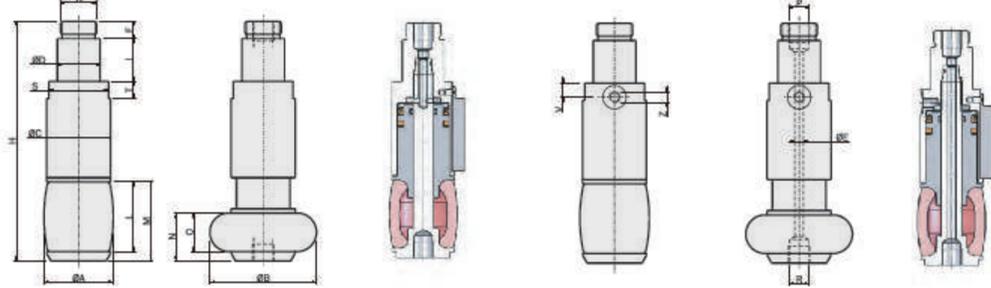


型號 Model	Φ AD	Φ AE	Φ AG	MFD	MFU	重量 Weight	單價(元) Price(yuan)
CFC10	7.8	-	2.9	φ10	φ10	0.5g	
CFC12	10	-	3.5	φ12	φ12	1g	
CFC14	11.8	-	4.5	φ14	φ16	1g	
CFC18	15.5	-	6.5	φ18	φ18	1.5g	
CFC22	18.8	-	8	φ22	φ22	2g	
CFC27	21.3	-	9.5	φ27	φ27	5g	

≡ 抓取夾持系列

● 氣球夾 Balloon clip

氣球夾具CF-D/CF-U系列
(尺寸)



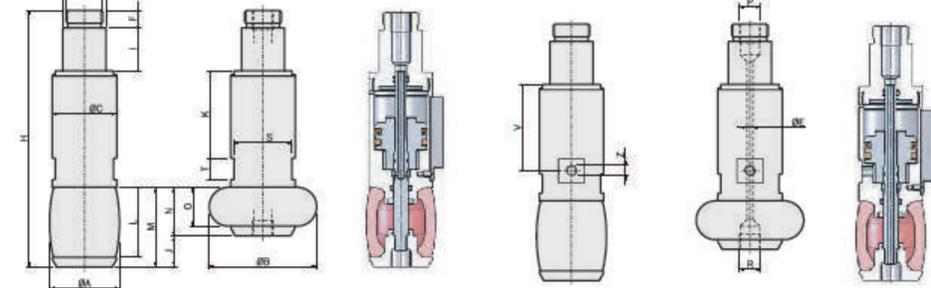
m [重量 - Weight]

型號 Model	m	ØA	ØB	ØC	ØD	ØE	F	G	H	I	L	M	N	O	P	R	S	T	V	Z	X	ØY	單價(元) Price(yuan)	
CF-08DC01 CF-08DC02 CF-08DL01 CF-08DL02	15g 15g 15g 15g	8	11	14	14	1.5	5.5	M12x1	59.2	14	7	9.2	5.7	3.5	M5	M2	13	6	4.5	-	M3	14.7	7.6	
CF-10DC01 CF-10DC02 CF-10DL01 CF-10DL02	16g 16g 16g 16g	10.5	13.5	14	14	1.5	5.5	M12x1	60.7	14	8.5	10.7	6.7	4.5	M5	M2	13	6	4.5	-	M3	16.2	9.5	
CF-12DC01 CF-12DC02 CF-12DL01 CF-12DL02	17g 17g 17g 17g	13	17	14	14	2	5.5	M12x1	62	14	10.5	13	7.5	5	M5	M3	13	6	4.5	-	M3	16.8	11.8	
CF-14DC01 CF-14DC02 CF-14DL01 CF-14DL02	17g 17g 17g 17g	15	19.5	14	14	2	5.5	M12x1	62.3	14	13	15.8	8.8	6	M5	M3	13	6	4.5	-	M3	-	-	
CF-16DC01 CF-16DC02 CF-16DL01 CF-16DL02	17g 17g 17g 17g	18	21.5	14	14	2	5.5	M12x1	62.3	14	13	15.8	8.8	6	M5	M3	13	6	4.5	-	M3	-	-	
CF-18DC01 CF-18DC02 CF-18DL01 CF-18DL02	28g 28g 28g 28g	19.5	24.5	18	14	2.5	5.5	M12x1	70.5	14	16.5	19.5	12	9	M5	M3	16	6	5.3	-	M5	-	-	
CF-22DC01 CF-22DC02 CF-22DL01 CF-22DL02	43g 43g 43g 43g	24	31.5	21.5	14	2.5	5.5	M12x1	80	14	21	24.2	12.2	11	M5	M3	19	7	5.5	-	M5	-	-	
CF-27DC01 CF-27DC02 CF-27DL01 CF-27DL02	79g 79g 79g 79g	28	37	25	20	3	8	M17x1	98	20	26	30	18	14	G1/8	M5	22	8	7	-	M5	-	-	
CF-33DC01 CF-33DC02 CF-33DL01 CF-33DL02	118g 118g 118g 118g	34	45	30	20	4	8	M17x1	112	20	32.5	37	22.5	18	G1/8	G1/8	28	8	6.5	-	M5	-	-	

≡ 抓取夾持系列

● 氣球夾 Balloon clip

氣球夾具CF-D/CF-U系列
(尺寸)



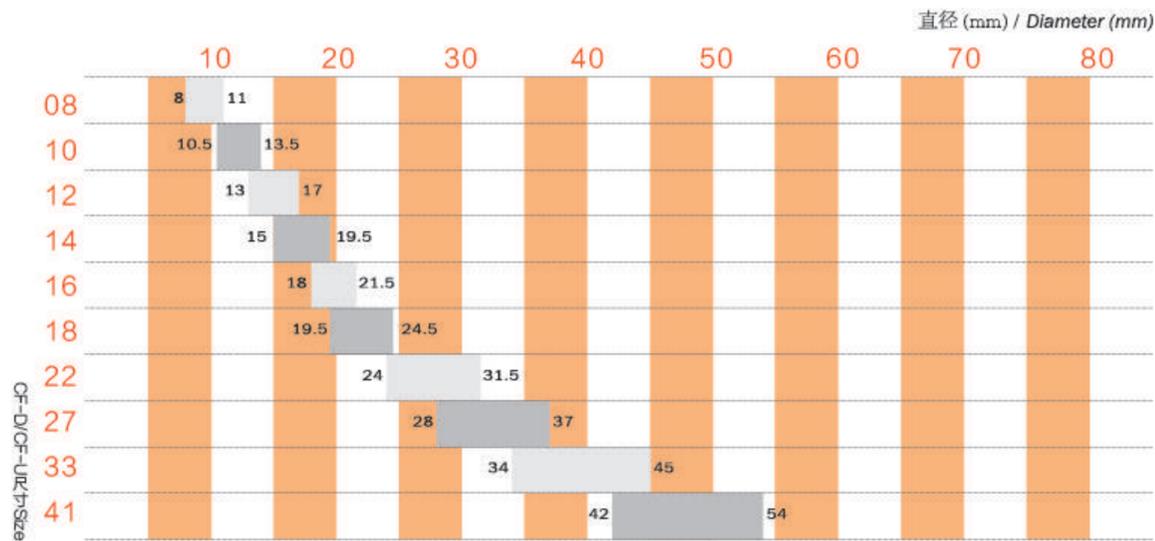
m [重量 - Weight]

型號 Model	m	ØA	ØB	ØC	ØD	ØE	F	G	H	I	J	K	L	M	N	O	P	R	S	T	V	Z	X	ØY	單價(元) Price(yuan)
CF-08UC01 CF-08UC02 CF-08UL01 CF-08UL02	16g 16g 16g 16g	8	11	14	14	1.1	5.5	M12x1	61.5	14	3.5	4	7	9.2	5.7	3.5	M5	M2	13	6	20	M3	16.3	7.6	
CF-10UC01 CF-10UC02 CF-10UL01 CF-10UL02	17g 17g 17g 17g	10.5	13.5	14	14	1.1	5.5	M12x1	62.5	14	4	4	8.5	10.7	6.7	4.5	M5	M2	13	6	20.5	M3	17.7	9.5	
CF-12UC01 CF-12UC02 CF-12UL01 CF-12UL02	18g 18g 18g 18g	13	17	14	14	1.3	5.5	M12x1	65	14	5.5	4	10.5	13	7.5	5	M5	M3	13	6	21.5	M3	20	11.8	
CF-14UC01 CF-14UC02 CF-14UL01 CF-14UL02	20g 20g 20g 20g	15	19.5	14	14	1.3	5.5	M12x1	68.5	14	7	24.2	13	15.8	8.8	6	M5	M3	13	6	23.2	M3	-	-	
CF-16UC01 CF-16UC02 CF-16UL01 CF-16UL02	20g 20g 20g 20g	18	21.5	14	14	1.3	5.5	M12x1	68.5	14	7	24.2	13	15.8	8.8	6	M5	M3	13	6	23.2	M3	-	-	
CF-18UC01 CF-18UC02 CF-18UL01 CF-18UL02	35g 35g 35g 35g	19.5	24.5	18	14	1.3	5.5	M12x1	78	14	7.5	29	16.5	19.5	12	9	M5	M3	16	7	28	M5	-	-	
CF-22UC01 CF-22UC02 CF-22UL01 CF-22UL02	50g 50g 50g 50g	24	31.5	21.5	14	1.8	5.5	M12x1	86.5	14	10	31.8	21	24.2	14.2	11	M5	M3	20	8	31.5	M5	-	-	
CF-27UC01 CF-27UC02 CF-27UL01 CF-27UL02	100g 100g 100g 100g	28	37	25	20	2.5	8	M17x1	108	20	12	37.5	26	30	18	14	G1/8	M5	22	9	37	M5	-	-	
CF-33UC01 CF-33UC02 CF-33UL01 CF-33UL02	130g 130g 130g 130g	34	45	30	20	2.8	8	M17x1	119	20	14.5	40.5	32.5	37	22.5	18	G1/8	G1/8	28	10	40	M5	-	-	

抓取夾持系列

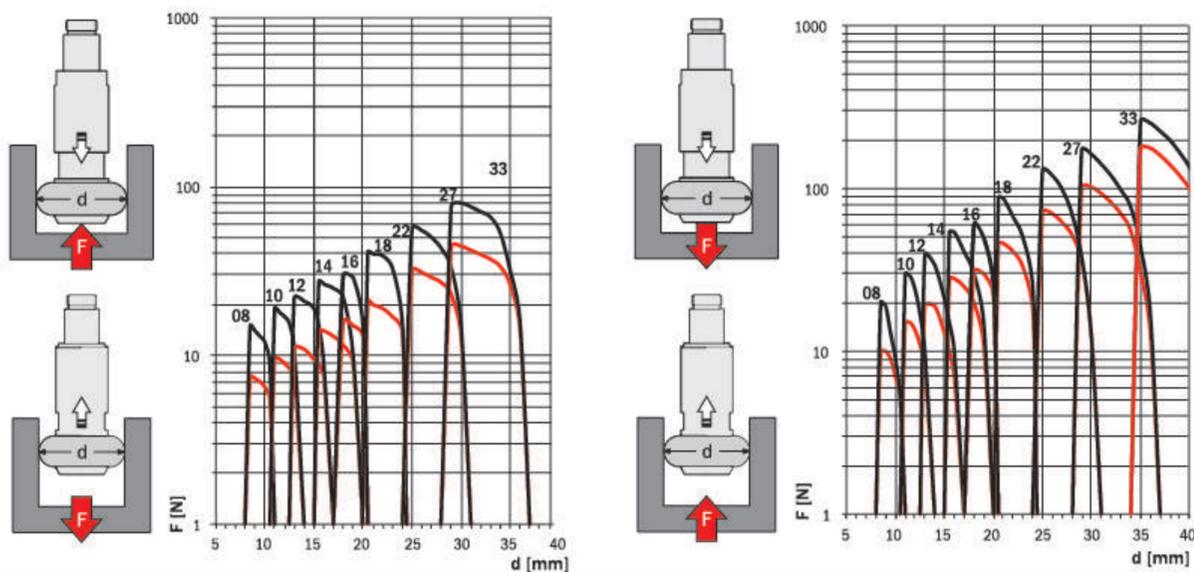
● 夾具直徑 Grip diameters

- 夾具尺寸可通過橡膠圈部件的公稱直徑的夾具代碼進行顯示。
- 每套型號可在直徑最小值和最大值的範圍內工作。
- The gripper size is indicated in the gripper code with a nominal diameter of the elastic part.
- Each model can work in a diameter range between a minimum and a maximum value.



● 夾緊力 Gripping force

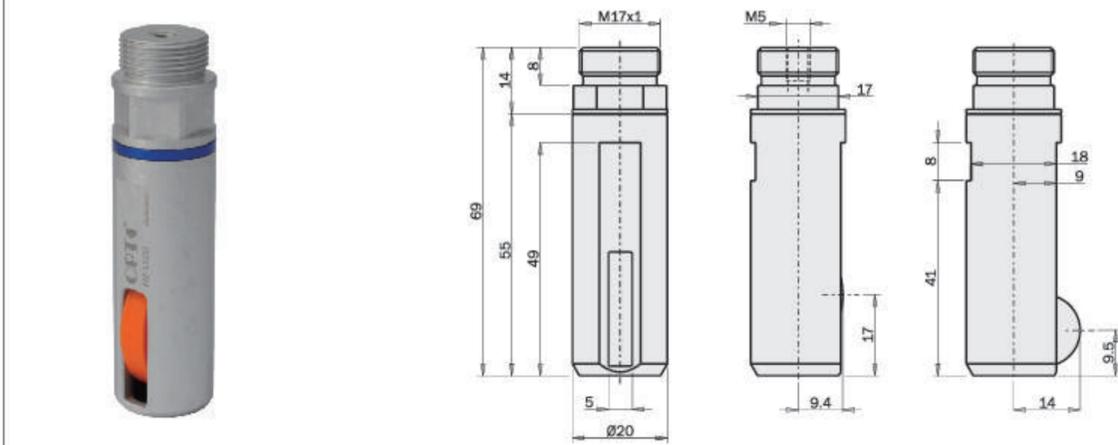
- CF-D/CF-U 夾具的力的輸出取決於幾個變量。
 - 主要取決於拾取對象的直徑，同時也受表面修飾，摩擦係數及空氣壓力的影響。
 - 圖表顯示了直徑(d)作用下的夾取對象的取出力(F)。
 - 該數據是當夾具在6 bar空氣壓力供給下通過表面粗糙度為0.8的鋁制環測得。
 - 黑線代表的是EPDM材質的夾具，紅線代表的是矽膠材質的夾具。
- The force output of an CF-D/CF-U gripper depends on several variables. Mainly on the diameter of the picked object, but also on the surface finishing, the coefficient of friction and the air pressure. The graphs show the extraction force (F) on the gripped object as a function of its diameter (d). Measurements were performed with aluminum rings, with roughness Ra=0.8 while the grippers were fed with 6 bar compressed air. The black lines refer to the grippers in EPDM, while the red ones to the grippers in Silicone.



抓取夾持系列

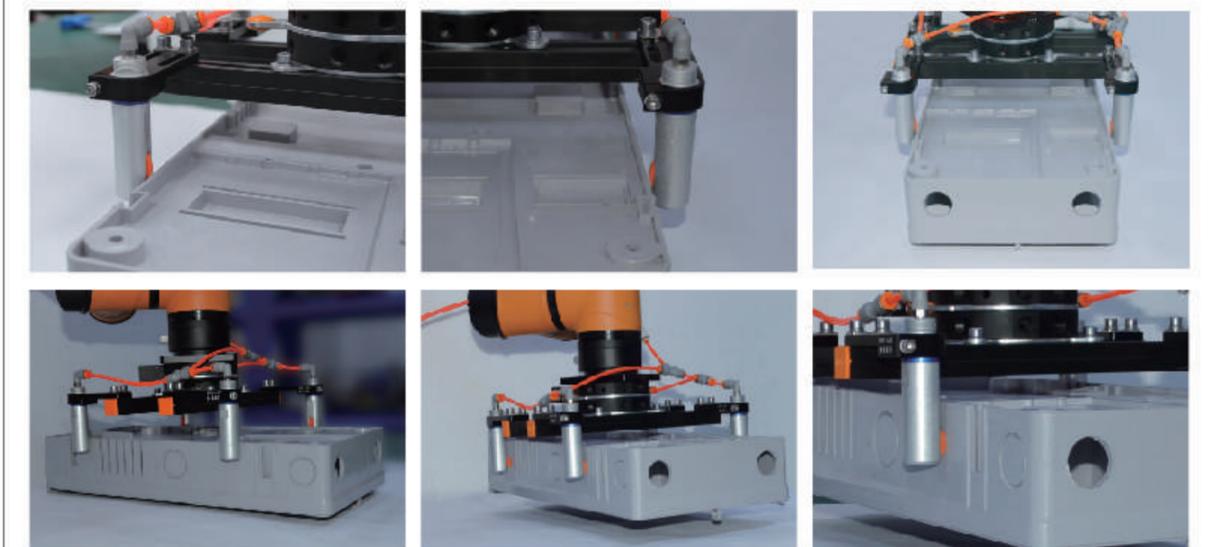
● 可單指操作的彈性模塊 One finger elastic module

- 帶彈簧復位功能的單指動作。
 - 可夾取直徑20mm的物件。
 - 多種安裝組件，模塊化。
- Single acting with spring reset. Clampable $\Phi 20$ mm body. Several mounting accessories, modularity.



型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	拉力 Force	6 bar 壓力下的行程 6 bar stroke	最大工作頻率 Maximum working frequency	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
RFD20	已過濾, 潤滑型未潤滑型壓縮空氣 Filtered, lubricated / non lubricated compressed air	3-8bar	5° C-60° C	0-145N	4.5mm	2Hz	3cm³	40g	

運用实例 / Application example



抓取夾持系列

● 氣動撥指 Pneumatic finger



OFT OFP OFO OFO...G

型號訂購碼

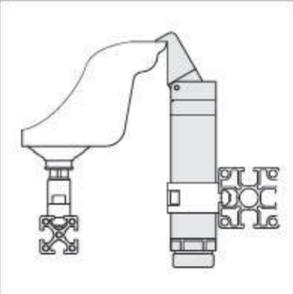
OFT	14	35	S
類型	外直徑	行程	是否帶感應或膠墊
OFT: 行程35°	14: Φ14mm	35: 35°	无: 不帶感應
OFP: 內藏式行程90°	20: Φ20mm	90: 90°	S: 帶感應
OFO: 行程95°	30: Φ30mm	95: 95°	G: 帶膠墊
	50: Φ50mm		GS: 帶膠墊又帶感應

所有產品規格及墊片可按客戶需求定制。

抓取夾持系列

● 氣動撥指 Pneumatic finger

OFT



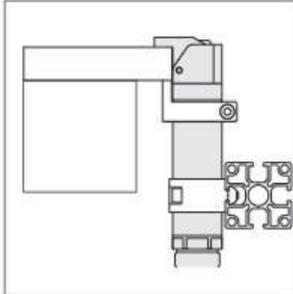
特點

- 手指爪可以穩固的掀起或者接觸到部件;
- 特別為難於抓取的部件設計;
- 氣動單程, 彈簧回程功能;
- 延長桿用於加長;
- 可與模塊抓手系統完全兼容。

Characteristics

- The finger claws can be securely picked up or contacted with the components;
- Especially for difficult-to-grab parts design;
- Pneumatic one-way, spring return function;
- The extension rod is used for lengthening;
- It is fully compatible with the module gripper system.

OFP



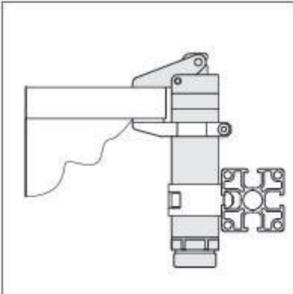
特點

- 抓手應用方案來穩定困難的部件;
- 通常用我們的ZTS和備用ANF手指導向來保護和定位。
- 氣動單程動作, 彈簧復位功能;
- 延長桿用於加長;
- 可與模塊抓手系統完全兼容。

Characteristics

- Handle application to stabilize difficult parts;
- It is usually protected and positioned with our ZTS and alternate ANF finger guides.
- Pneumatic single-pass action, spring return function;
- The extension rod is used for lengthening;
- It is fully compatible with the module gripper system.

OFO



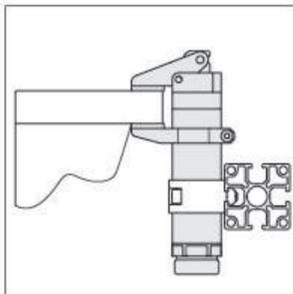
特點

- 為掀開和穩定厚邊而特別設計;
- 通常用ANS手指導向放在後面;
- 氣動單程, 或者彈簧回程功能;
- 延長桿用於加長;
- 可與模塊化抓手系統完全兼容。

Characteristics

- Specially designed to open and stabilize thick edges;
- Usually with ANS finger guide placed behind;
- Pneumatic one-way, or spring return function;
- The extension rod is used for lengthening;
- Fully compatible with modular gripper systems.

OFO...G



特點

- 為掀開和穩定厚邊而特別設計;
- 通常用ANS手指導向放在後面;
- 氣動單程, 或者彈簧回程功能;
- 延長桿用於加長;
- 可與模塊化抓手系統完全兼容;
- 帶有膠墊, 保護產品外觀。

Characteristics

- Specially designed to open and stabilize thick edges;
- Usually with ANS finger guide placed behind;
- Pneumatic one-way, or spring return function;
- The extension rod is used for lengthening;
- Fully compatible with modular gripper systems;
- With a rubber pad to protect the appearance of the product.

抓取夾持系列

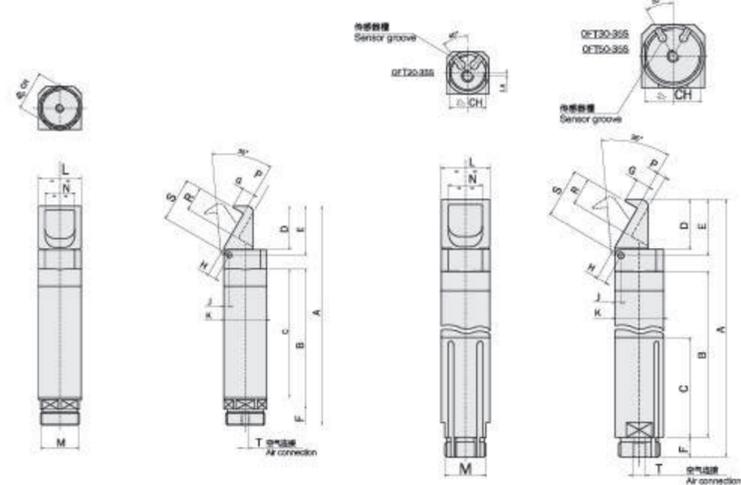
● 氣動撥指 Pneumatic finger

可單指操作的斜口氣動夾具 OF 系列
Oblique pneumatic clamp OF series
capable of single finger operation

尺寸(mm) Dimensions (mm)



OFT20-35 OFT2 0-35S



型號 Model	介質 Medium	夾具體 Gripper body	壓力範圍 Pressure range	溫度範圍 Temperature range	行程(±2°) Stroke	活塞孔 Piston bore	6bar 壓力下的關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
OFT14-35	Fitted lubrication from lubricated compressed air 請從潤滑氣缸中接取潤滑壓縮空氣	鋁製品 Aluminum	2.5+8 bar	5+60 bar	35°	Φ10mm	26 Ncm	0.4 cm ³	25 g	
OFT20-35						Φ16mm	100 Ncm	1.24 cm ³	65 g	
OFT20-35S						Φ16mm	100 Ncm	1.24 cm ³	86 g	
OFT30-35						Φ25mm	430 Ncm	4.56 cm ³	206 g	
OFT30-35S						Φ25mm	430 Ncm	4.56 cm ³	272 g	
OFT50-35						Φ40mm	1900 Ncm	43 cm ³	860 g	
OFT50-35S						Φ40mm	1900 Ncm	43 cm ³	1060 g	

斜口氣動夾具尺寸 Diagonal pneumatic clamp size

型號 Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	CH
OFT14-35	74	44	40	14	16	5.5	4.5	3.4	2	Φ14	14	M12x1	10	2	6	13.5	M5	12
OFT20-35	106	68.5	63.5	20.5	23	8	6	3.9	2.5	Φ20	20	M17x1	14	3	11.5	20.2	M5	17
OFT30-35	153	100	92	30	34	11	8	6	4	Φ30	30	M27x1	22	5	17	30.5	M5	27
OFT50-35	235.5	139	127	49.5	56	25	14	10	6.5	Φ50	50	M45x1.5	38	7	26	50	G1/8"	46
OFT20-35S	136	98.8	41	20.5	23	8	6	3.9	2.5	Φ20	20	M17x1	14	3	11.5	20.2	M5	17
OFT30-35S	189	136	53	30	34	11	8	6	4	Φ30	30	M27x1	22	5	17	30.5	M5	27
OFT50-35S	280.5	184	57	49.5	56	25	14	10	6.5	Φ50	50	M45x1.5	38	7	26	50	G1/8"	46

抓取夾持系列

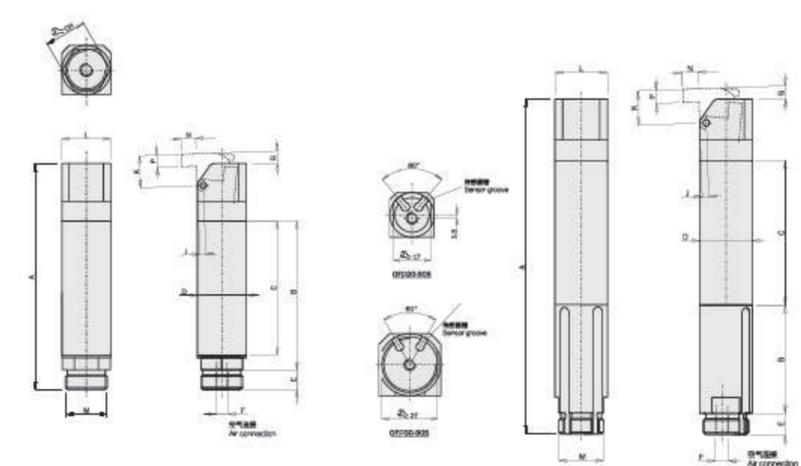
● 氣動撥指 Pneumatic finger

可單指操作的斜口氣動夾具 OF 系列
Oblique pneumatic clamp OF series
capable of single finger operation

尺寸(mm) Dimensions (mm)



OFP20-90 OFP30-90S



型號 Model	介質 Medium	夾具體 Gripper body	壓力範圍 Pressure range	溫度範圍 Temperature range	行程(±2°) Stroke	活塞孔 Piston bore	6bar 壓力下的關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
OFP14-90	Fitted lubrication from lubricated compressed air 請從潤滑氣缸中接取潤滑壓縮空氣	鋁製品 Aluminum	2.5+8 bar	5+60 bar	90°	Φ10mm	19 Ncm	1 cm ³	23 g	
OFP20-90						Φ16mm	70 Ncm	3.52 cm ³	60 g	
OFP30-90						Φ25mm	300 Ncm	12.9 cm ³	185 g	
OFP20-90S						Φ16mm	70 Ncm	3.52 cm ³	80 g	
OFP30-90S						Φ25mm	300 Ncm	12.9 cm ³	245 g	

斜口氣動夾具尺寸 Diagonal pneumatic clamp size

型號 Model	A	B	C	D	E	F	G	J	K	L	M	N	P	CH
OFP14-90	63	42	38	Φ14	5.5	M5	8°	2	9	14	M12x1	4	04	12
OFP20-90	92	60.5	54.5	Φ20	8	M5	8°	2.5	13	20	M17x1	6	5	17
OFP30-90	134.5	90	82	Φ30	11	M5	8°	4	20	30	M27x1	11	6	27
OFP20-90S	122	41	49.5	Φ20	8	M5	8°	2.5	13	20	M17x1	6	5	17
OFP30-90S	170.5	53	73	Φ30	11	M5	8°	4	20	30	M27x1	11	6	27

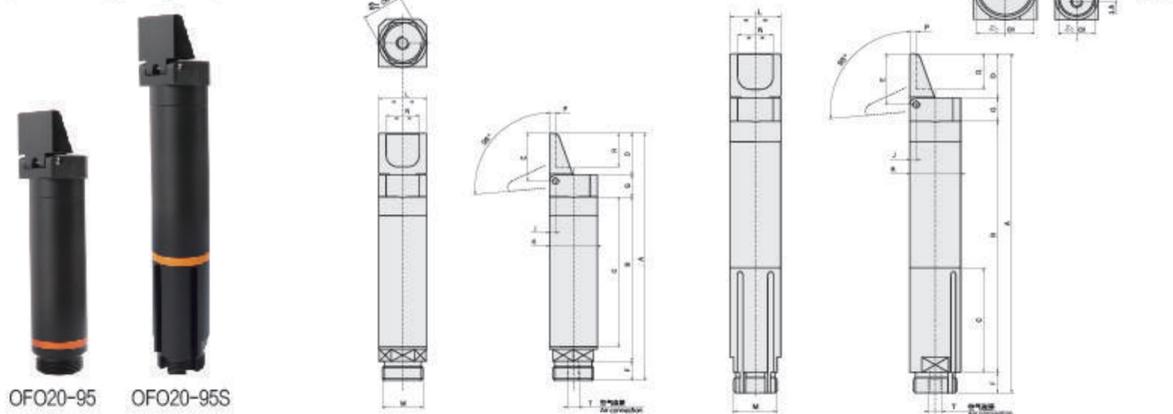
≡ 抓取夾持系列

≡ 抓取夾持系列

● 氣動撥指 Pneumatic finger

可單指操作的斜口氣動夾具OF系列
Oblique pneumatic clamp OF series
capable of single finger operation

尺寸(mm) Dimensions (mm)



型號 Model	介質 Medium	夾具体 Gripper body	壓力範圍 Pressure range	溫度範圍 Temperature range	行程(±2°) Stroke	活塞孔 Piston bore	6bar 壓力下的關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
OFO08-95	Fused lubrication lubricated compressed air 口噴潤滑劑/米製潤滑劑噴嘴吹嘴	鋁製品 Aluminum	2.5+8 bar	5+60 bar	95°	Φ5.5mm	8 Ncm	0.4 cm ³	8g	
OFO10-95						Φ7mm	14 Ncm	0.7 cm ³	17g	
OFO14-95						Φ10mm	19 Ncm	1 cm ³	25 g	
OFO20-95						Φ16mm	70 Ncm	3.52 cm ³	60 g	
OFO20-95S						Φ16mm	70 Ncm	3.52 cm ³	81 g	
OFO30-95						Φ25mm	300 Ncm	12.9 cm ³	193 g	
OFO30-95S						Φ25mm	300 Ncm	12.9 cm ³	257 g	
OFO50-95						Φ40mm	1250 Ncm	80 cm ³	790 g	
OFO50-95S						Φ40mm	1250 Ncm	80 cm ³	990 g	

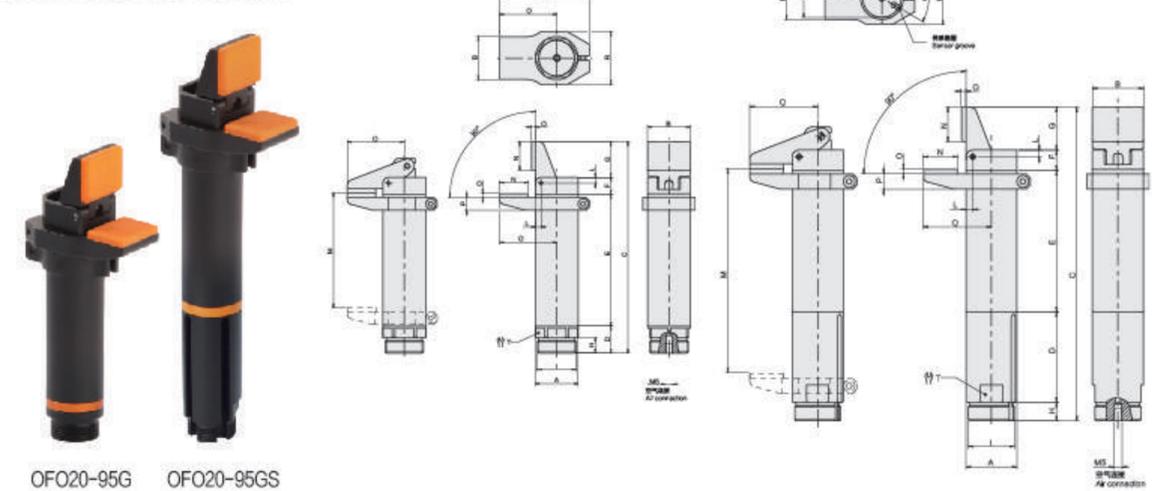
斜口氣動夾具尺寸 Diagonal pneumatic clamp size

型號 Model	A	B	C	D	E	F	G	J	K	L	M	N	P	R	CH	T
OFO08-95	55.5	34	30	8.5	10	5	8	1.6	Φ8	8	M8x1	6	1.6	6	7	M5
OFO10-95	65	40	35	10	12	5	10	2	Φ10	10	M10x1	7	2	8	9	M5
OFO14-95	72	41	40	12	14	5.5	10.5	2	Φ14	14	M12x1	10	2	19	12	M5
OFO20-95	103	68.5	62.5	17.5	20	8	9	2.5	Φ20	20	M17x1	14	3	14	17	M5
OFO30-95	147	100	92	25	29	11	12	4	Φ30	30	M27x1	22	5	21	27	M5
OFO50-95	227.5	139	114	41.5	48	25	12	6.5	Φ50	50	M45x1.5	38	7	34	46	G1/8"
OFO20-95S	133	98.5	41	17.5	20	8	9	2.5	Φ20	20	M17x1	14	3	14	17	M5
OFO30-95	184	136	53	25	29	11	12	4	Φ30	30	M27x1	22	5	21	27	M5
OFO50-95S	272.5	184	57	41.5	48	25	12	6.5	Φ50	50	M45x1.5	38	7	34	46	G1/8"

● 氣動撥指 Pneumatic finger

可單指操作的斜口氣動夾具OF系列
Oblique pneumatic clamp OF series
capable of single finger operation

尺寸(mm) Dimensions (mm)



型號 Model	介質 Medium	夾具体 Gripper body	壓力範圍 Pressure range	溫度範圍 Temperature range	行程(±2°) Stroke	活塞孔 Piston bore	6bar 壓力下的關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
OFO14-95G	Fused lubrication lubricated compressed air 口噴潤滑劑/米製潤滑劑噴嘴吹嘴	鋁製品 Aluminum	2.5+8 bar	5+60 bar	95°	Φ10mm	19 Ncm	1 cm ³	30 g	
OFO20-95G						Φ16mm	70 Ncm	3.52 cm ³	80 g	
OFO20-95GS						Φ16mm	70 Ncm	3.52 cm ³	100 g	
OFO30-95G						Φ25mm	300 Ncm	12.9 cm ³	230 g	
OFO30-95GS						Φ25mm	300 Ncm	12.9 cm ³	300 g	
OFO50-95G						Φ40mm	500 Ncm	16 cm ³	860 g	
OFO50-95GS						Φ40mm	500 Ncm	16 cm ³	1090 g	

斜口氣動夾具尺寸 Diagonal pneumatic clamp size

型號 Model	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
OFO14-95G	Φ14	14	72	9.5	40	10.5	12	5.5	M12x1	2	34	11	2.5	7.5	19	19	32	12	
OFO20-95G	Φ20	20	103	13	63.5	9	17.5	8	M17x1	2.5	53	15	2.5	7	27.5	25	43.5	17	
OFO20-95GS	Φ20	20	133	41	57.5	9	17.5	8	M17x1	2.5	88	15	2.5	7	27.5	25	43.5	17	
OFO30-95G	Φ30	30	148	19	92	12	25	11	M27x1	4	80	20	3	9	40	37	63	27	60°
OFO30-95GS	Φ30	30	184	53	83	12	25	11	M27x1	4	121	20	3	9	40	37	63	27	80°
OFO50-95G	Φ50	50	228.5	44	114	22	42	24	M45x1.5	6.5	128	35	4.5	12	66.5	58	102.5	30	
OFO50-95GS	Φ50	50	272.5	57	114	22	42	25	M45x1.5	6.5	172	35	4.5	12	66.5	58	102.5	46	60°

≡ 抓取夾持系列

≡ 抓取夾持系列

● 單指斜口氣動夾具 One finger angular pneumatic grippers for clamping

RFP

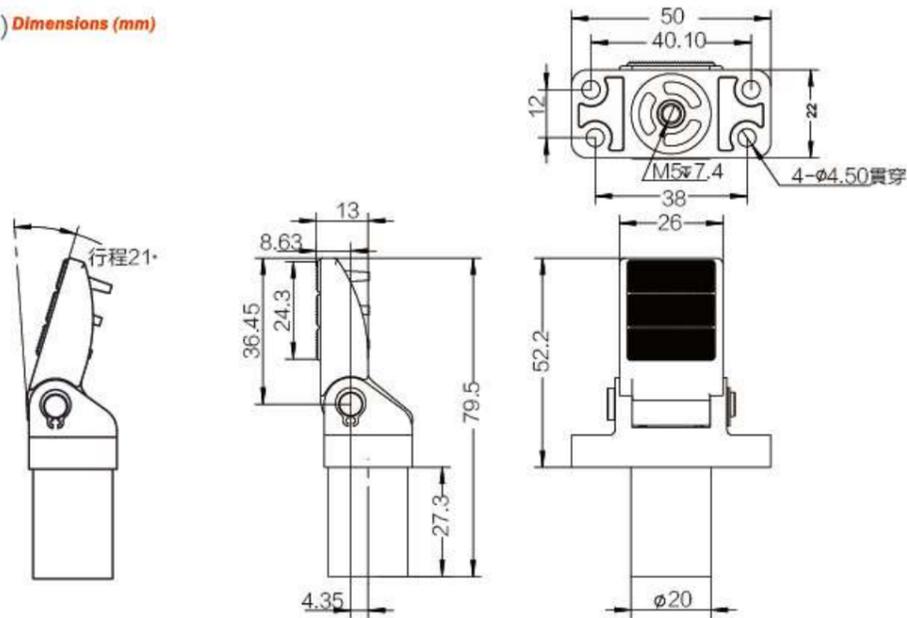
- 單動塑料手指。
- 通過HNBR的軟墊或者NBR、矽膠。
- 橡膠材質的O型圈與產品進行軟接觸。
- 若干安裝附件。
- 磁傳感器和相應的安裝支架為可選項。
- 食物級潤滑油FDA-H1

- Single acting.
- Plastic finger.
- Soft contac by HNBR pads or O-Rings in NBR, Silicone or viton.
- Several mounting accessories.
- Magnetic sensors and relevant mounting brackets as option.
- Food grade grease FDA-H1.



RFP20V RFP20S RFP20N RFP20P

尺寸(mm) Dimensions (mm)



型號 Model	材質 Material	膠墊表面 Surface	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	行程 Stroke	活塞孔 Piston bore	6 bar壓力下的 關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
RFP20V-N/S	-N: NBR -S: 矽膠 silicone	網面 Mesh	介質: 氣動油 Air pressure oil 氣動油: 矽油 Air pressure oil: silicone	2+8bar	5° C+60° C	21°	16mm	100Ncm	1.08cm³	37g	
RFP20S-N/S		光面 Glossy									
RFP20N-N/S		網面 Mesh									
RFP20P-N/S		光面 Glossy									

● 單指斜口氣動夾具 One finger angular pneumatic grippers for clamping

RFP

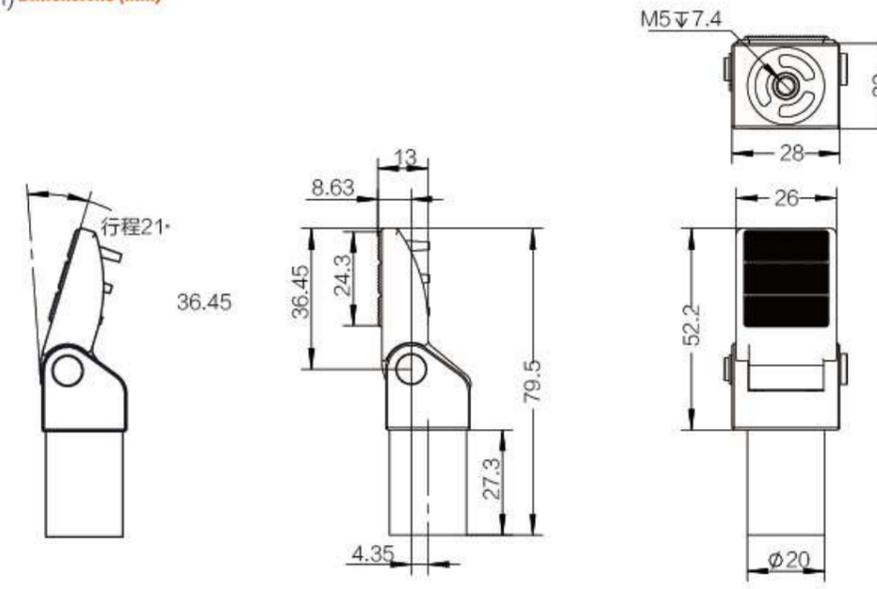
- 單動塑料手指。
- 通過HNBR的軟墊或者NBR、矽膠。
- 橡膠材質的O型圈與產品進行軟接觸。
- 若干安裝附件。
- 磁傳感器和相應的安裝支架為可選項。
- 食物級潤滑油FDA-H1

- Single acting.
- Plastic finger.
- Soft contac by HNBR pads or O-Rings in NBR, Silicone or viton.
- Several mounting accessories.
- Magnetic sensors and relevant mounting brackets as option.
- Food grade grease FDA-H1.



RFP21V RFP21S RFP21N RFP21P

尺寸(mm) Dimensions (mm)



型號 Model	材質 Material	膠墊表面 Surface	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	行程 Stroke	活塞孔 Piston bore	6 bar壓力下的 關閉扭矩 Closing torque at 6 bar	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price(yuan)
RFP21V-N/S	-N: NBR -S: 矽膠 silicone	網面 Mesh	介質: 氣動油 Air pressure oil 氣動油: 矽油 Air pressure oil: silicone	2+8bar	5° C+60° C	21°	16mm	100Ncm	1.08cm³	35g	
RFP21S-N/S		光面 Glossy									
RFP21N-N/S		網面 Mesh									
RFP21P-N/S		光面 Glossy									

抓取夾持系列

● 單指垂直操作的氣動夾具 One finger, perpendicular acting, pneumatic grippers for clamping

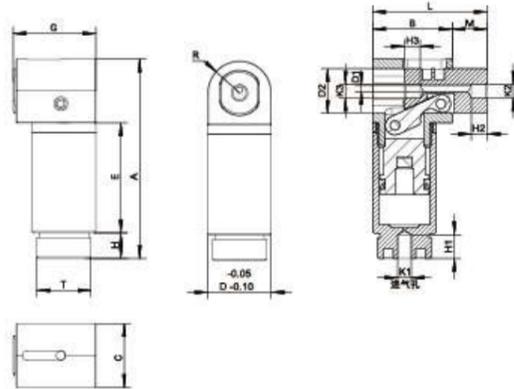
CFX

- 單個動作活塞驅動。
- 手指與活塞垂直，直線驅動。
- 手指過孔，使吸盤真空。
- 夾片上可移動的HNBR橡膠墊片，用於軟接觸。
- 可選的傳感和夾具。
- 食物級潤滑油FDA-H1。

- Single-acting pneumatic piston drive.
- Finger linear motion, perpendicular to the piston.
- Finger with through hole, to provide vacuum to a cup.
- Removable HNBR rubber pad on the finger, for a soft touch.
- Optional sensors and clamps.
- FDA-H1 food-grade grease.



CFX-20-10



型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	6 bar壓力下 的關閉扭矩 Closing torque at 6 bar	行程 Stroke	最大工作頻率 Maximum working frequency	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
CFX14-06	已過濾，潤滑型/ 未潤滑型壓縮空氣 Filtered, lubricated / non lubricated compressed air	2.5-8bar	5° C + 60° C	13+63N	6mm	1Hz	0.5cm ³	30g	
CFX20-10				20+115N	10mm	1Hz	3.5cm ³	65g	
CFX30-15				44+230N	15mm	1Hz	15cm ³	190g	
CFX50-20				100+900N	20mm	1Hz	50cm ³	740g	

型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	D2 (mm)	E (mm)	G (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	M (mm)	R (mm)	T (mm)	K1 (mm)	K2 (mm)	K3 (mm)
CFX14-06	52	23	14	14	Φ1.5	10	30	24	8	7	4.5	4.5	30	7	R7	M12X1.0	M5	M5	M5
CFX20-10	62.5	25	20	20	Φ2	14	34.5	26	8	7	4.5	4.5	36	11	R10	M17X1.0	M5	M5	M5
CFX30-15	87	34	30	30	Φ4.5	20	46	35	11	7	6	6	50	16	R15	M27X1.0	M5	G1/8	G1/8
CFX50-20	143	60	50	50	Φ9	35	68	61	25	10	9	9	80	20	R25	M45X1.5	G1/8	G1/4	G1/4

運用實例 / Application example



抓取夾持系列

● OGR針式夾爪 OGR pin jaws

適合複合材料半成品和固化工件的搬運解決方案
Handling solutions for composite semi-finished and cured workpieces

- 乾燥複合紡織物，如在RTM工藝中
- 粘性熱固性半固化片材料
- 剛性熱固短型和長型纖維材料，包括SMC、BMC、和LFT
- 熱塑性部件，包括有機片材
- 已固化的半成品和成品工件
- Dry composite textiles, as in the RTM process
- Viscous thermosetting prepreg material
- Rigid thermoset short and long fiber materials, including SMC, BMC, and LFT
- Thermoplastic parts, including organic sheets
- Cured semi-finished and finished parts



裝夾多孔的原材料和半成品
Clamping porous raw materials and semi-finished products

- 針式吸盤適用於安全搬運多空、複合材料半成品以及預制件應用實例：從切割臺上取下疏松的堆疊件以及搬運預制件，例如，應用於汽車行業
- 複合式吸盤內置真空發生裝置，抽吸速率大，可安全且輕柔地搬運多孔複合材料，不會影響纖維取向。應用實例：從切割臺上或預成型系統中吸取工件，例如應用於航天行業。
- Needle suction cups are suitable for safe handling of long and short, composite semi-finished products and prefabricated applications: removing loose stacks from the cutting table and handling preforms, for example in the automotive industry.
- The composite suction cup has a built-in vacuum generator that provides a high suction rate and safe and gentle handling of the porous composite without affecting fiber orientation. Application example: Extracting workpieces from a cutting table or a preforming system, for example application in the aerospace industry.

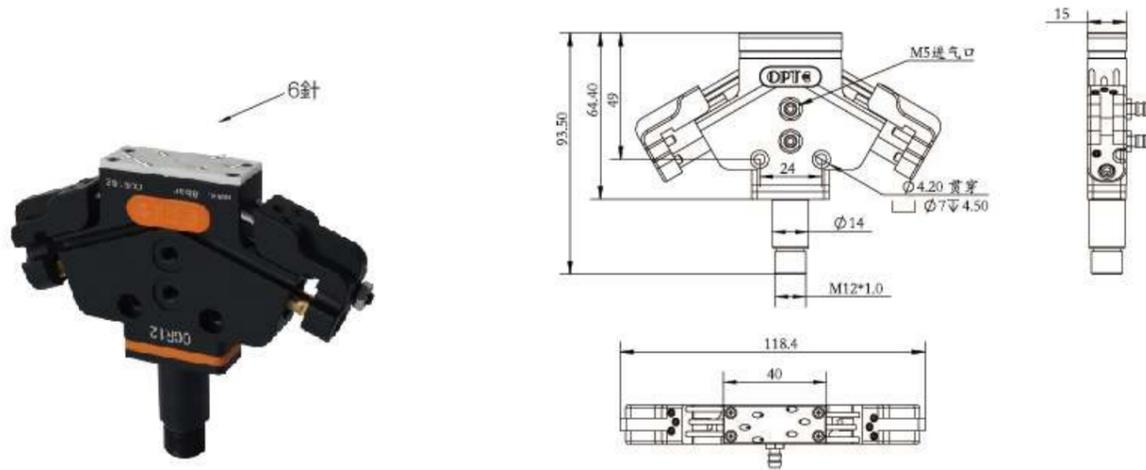


OGR PIN JAWS

≡ 抓取夾持系列

● OGR針式夾爪 OGR pin jaws

OGR 12



型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	6bar 壓力下 打開總夾取力 Opening total gripping force at 6bar	針狀行程 Needle stroke	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
OGR 12	已過濾, 潤滑型/ 未潤滑型壓縮空氣	3~8bar	5° C~60° C	60N	1~7mm	3.5m³	165g	

運用實例/ Application example

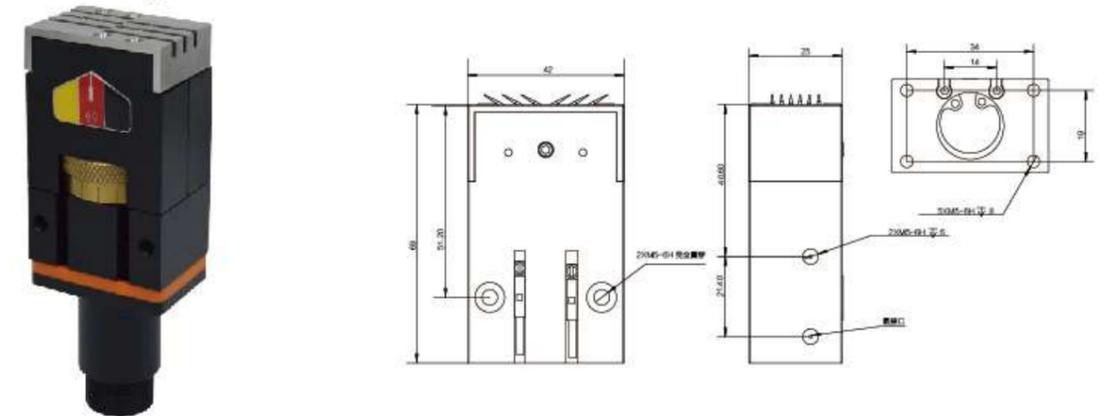
進氣口集成, 僅需二個進氣管; 針爪可組合疊加使用。
The air inlet is integrated, only two air inlet pipes are needed; the needle claws can be combined and stacked.



≡ 抓取夾持系列

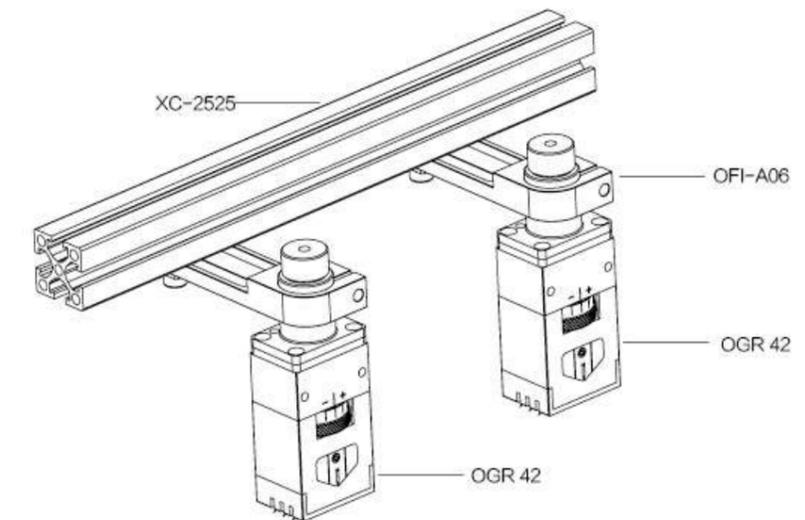
● OGR針式夾爪 OGR pin jaws

OGR 42



型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	6bar 壓力下 打開總夾取力 Opening total gripping force at 6bar	針狀行程 Needle stroke	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
OGR 42	已過濾, 潤滑型/ 未潤滑型壓縮空氣	3~8bar	5° C~60° C	110N	1~5mm	3.5m³		

運用實例/ Application example

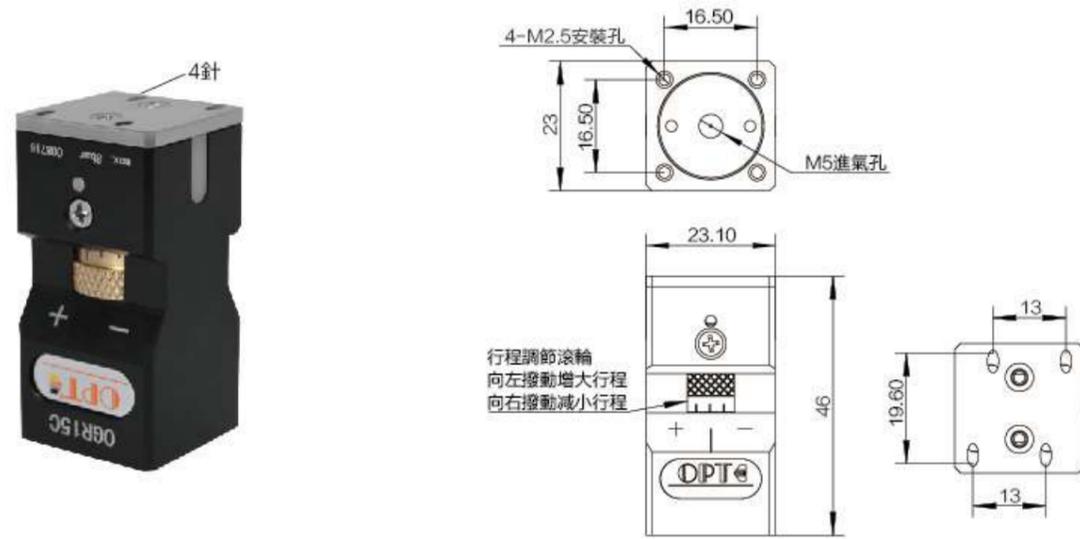


≡ 抓取夾持系列

≡ 抓取夾持系列

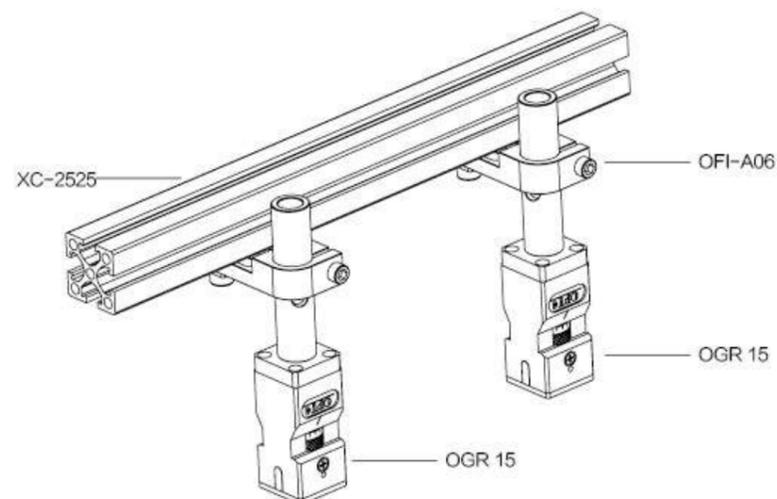
● OGR針式夾爪 OGR pin gripper

OGR 15



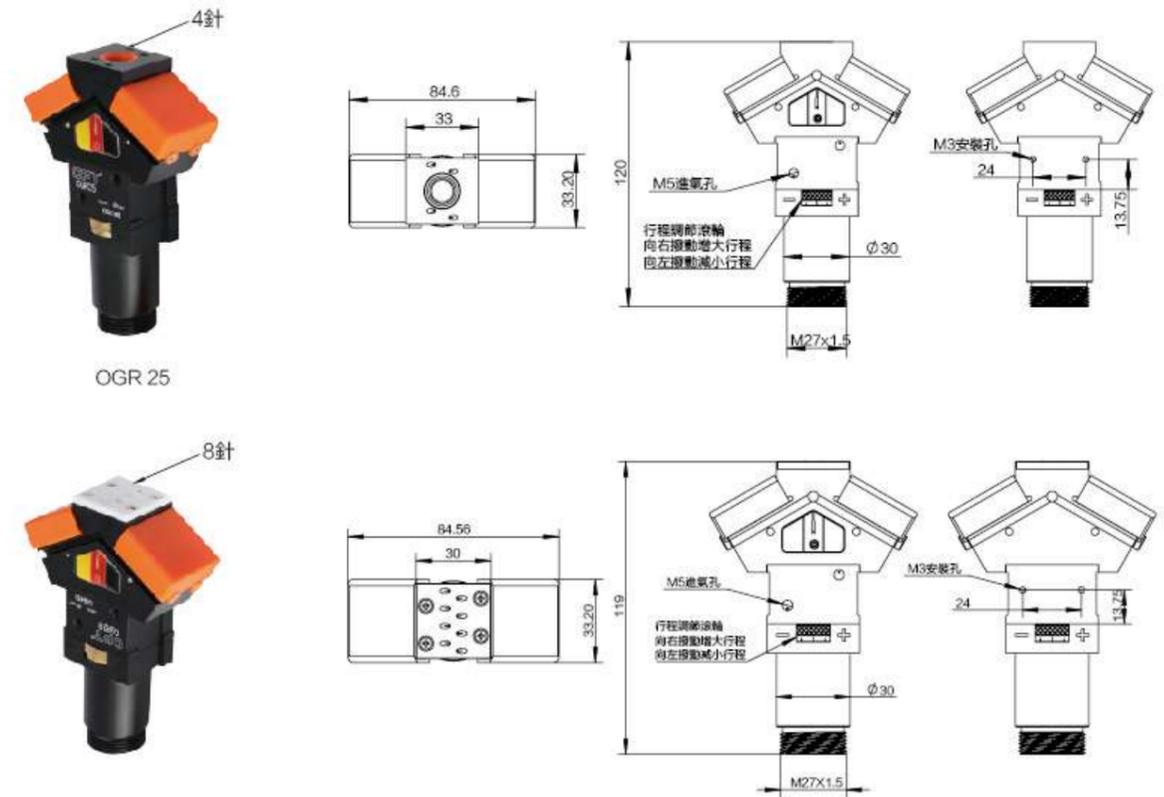
型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	6bar 壓力下 打開總夾取力 Opening total gripping force at 6bar	針狀行程 Needle stroke	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
OGR 15	已過濾、潤滑型/ 未潤滑型壓縮空氣	3-8bar	5° C-60° C	400N	0-4mm	0.6m³		

運用實例/ Application example



● OGR針式夾爪 OGR pin jaws

OGR 25 / OGR 28



型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	6bar 壓力下 打開總夾取力 Opening total gripping force at 6bar	針狀行程 Needle stroke	循環空氣消耗量 Cycle air consumption	重量 Weight	單價(元) Price (yuan)
OGR 25	已過濾、潤滑型/ 未潤滑型壓縮空氣	3-8bar	5° C-60° C	90N	1-7mm	3.5m³	165g	
OGR 28	Filtered, lubricated/ unlubricated compressed air						182g	

運用實例/ Application example



≡ 抓取夾持系列

≡ 抓取夾持系列

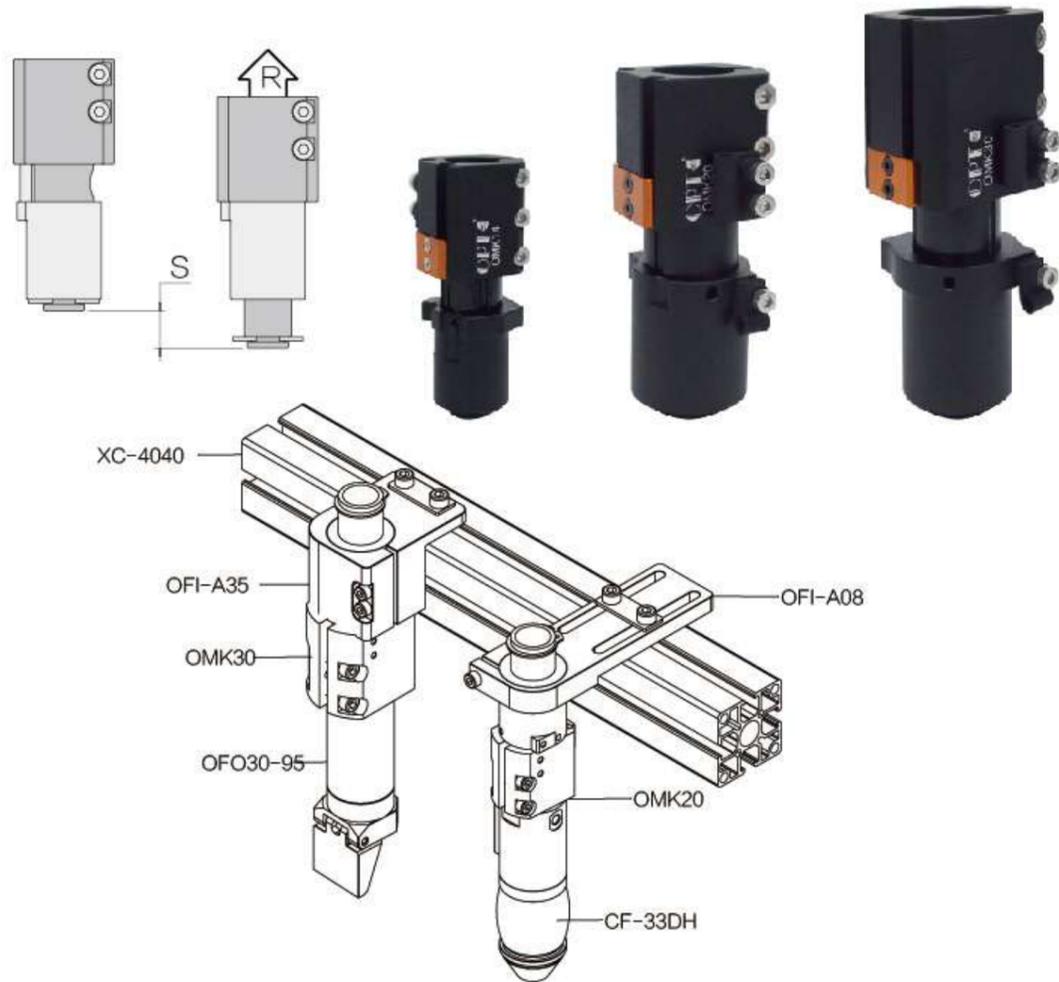
● 通用懸件 Universal suspensions

非可旋轉的通用懸件

- 所有促動器和支架都需配備14mm, 20mm 和 30mm
- 穿過空氣輸送孔。
- 安裝夾具
- 可選的磁性傳感器。
- 可選的感應傳感器(OMK14不適用)。
- 食物級潤滑油FDA-H1。

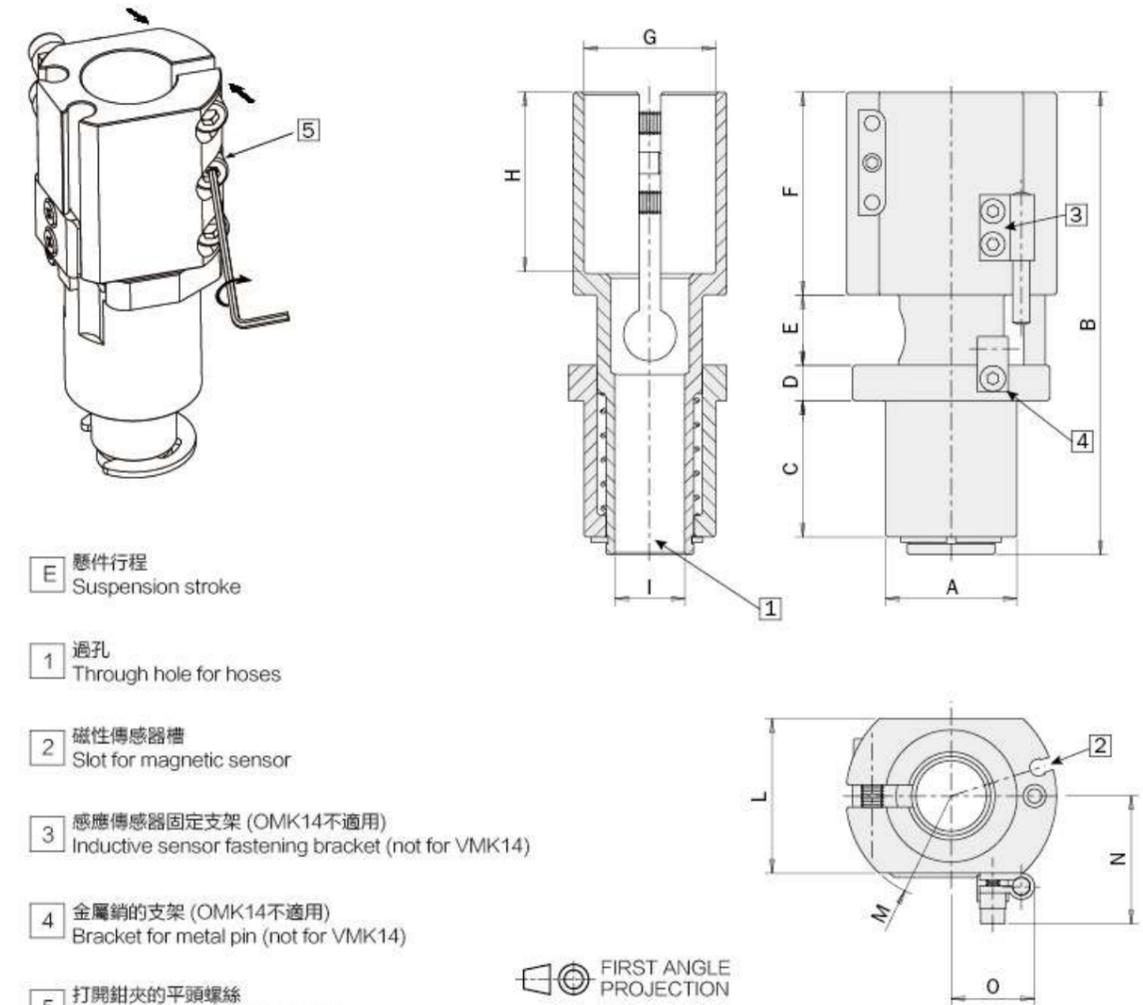
Non-rotative universal suspensions

- For all actuators and brackets with 14mm, 20mm and 30mm tang.
- With through hole for air hoses
- Clamp mounting
- Optional magnetic sensor.
- Optional inductive sensor (not for OMK14).
- FDA-H1 food-grade grease.



型號 Model	彈簧的反作用力 Spring reaction force	懸件行程(s) Suspension stroke	重量 (Weight)	單價(元) Price(yuan)
OMK14	5 + 6 N	10 mm	55g	
OMK20	7 + 10 N	13 mm	160g	
OMK30	7 + 10 N	16 mm	250g	

● 通用懸件/ Universal suspensions



- E 懸件行程
Suspension stroke
- 1 過孔
Through hole for hoses
- 2 磁性傳感器槽
Slot for magnetic sensor
- 3 感應傳感器固定支架 (OMK14不適用)
Inductive sensor fastening bracket (not for VMK14)
- 4 金屬銷的支架 (OMK14不適用)
Bracket for metal pin (not for VMK14)
- 5 打開鉗夾的平頭螺絲
Grub screw for clamp opening

FIRST ANGLE PROJECTION

型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)	O (mm)
OMK14	Ø20	67	21	5	10	28	Ø14	14	Ø6	22	Ø27	22	16
OMK20	Ø30	86	27	7	13	35	Ø20	31.5	Ø16	30	Ø37	26.5	16.5
OMK30	Ø30	105	31	8	16	46	Ø30	41.2	Ø16	35	Ø48	29	19

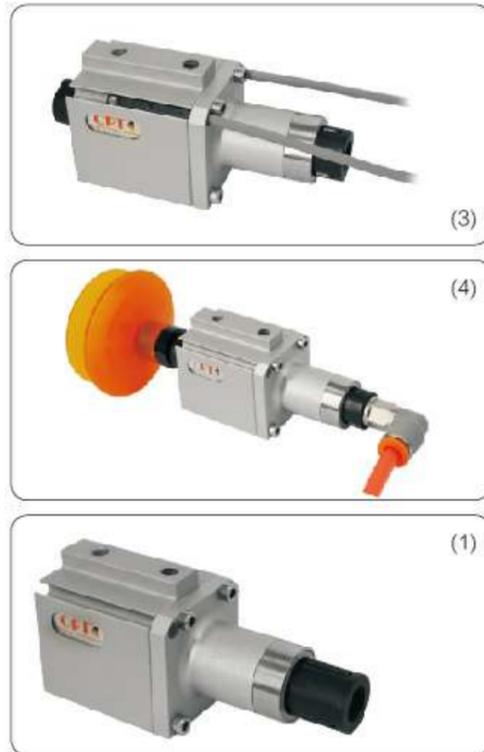
≡ 抓取夾持系列

≡ 抓取夾持系列

● 真空行程氣缸 Vacuum stroke cylinder

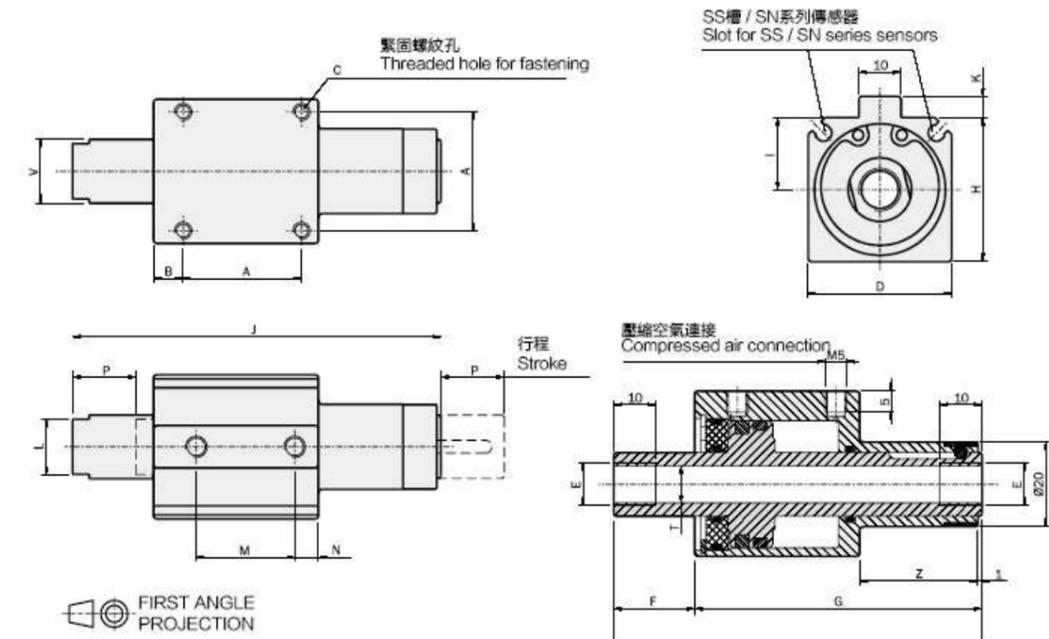
真空行程氣缸，由洞桿和安裝螺栓固定，不可旋轉
 Vacuum stroke cylinder, with non-rotative through hole rod and mounting stud

- 雙重效果。
 - 三種規格。
 - OFI生產的安裝加緊螺栓 (2)。
 - 可選的磁傳感器 (3)。
 - 非可旋轉的桿上帶有三個U型槽 (1)。
 - 過孔向真空吸盤輸送 (4)。
 - 食物級潤滑油FDA-H1。
- Double-effect.
 - Three sizes available.
 - Clampable stud for mounting by OFI products (2).
 - Optional magnetic sensors (3).
 - Three grooves with balls for non-rotative rod (1).
 - Through hole for vacuum cup feeding (4).
 - FDA-H1 food-grade grease.



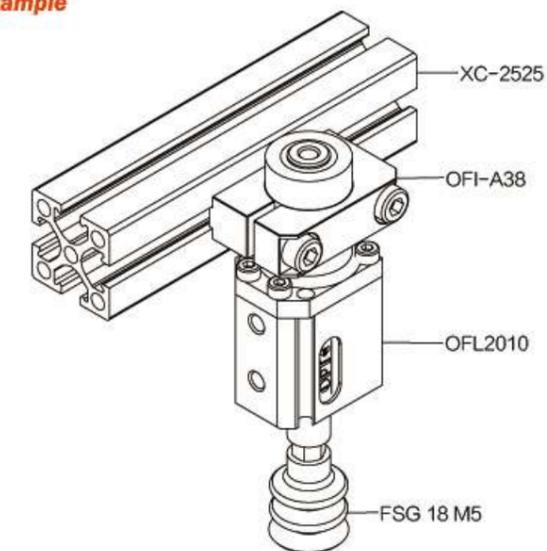
型號 Model	介質 Medium	壓力範圍 Pressure range	溫度範圍 Temperature range	行程 Stroke	活塞桿 Piston bore	6 bar壓力下的 關閉/打開力 Closing/opening force at 6 bar	循環空氣消耗量 Cycle air consumption	最小激活時間 Minimum actuating time	重量 (Weight)	單價(元) Price(yuan)
OFL2010	空氣 / 氮氣 / 氬氣 / 二氧化碳 / 氫氣 / 氦氣 / 乙炔 / 丙烷 / 丁烷 / 戊烷 / 己烷 / 庚烷 / 辛烷 / 壬烷 / 癸烷 / 十一烷 / 十二烷 / 十三烷 / 十四烷 / 十五烷 / 十六烷 / 十七烷 / 十八烷 / 十九烷 / 二十烷 / 二十一烷 / 二十二烷 / 二十三烷 / 二十四烷 / 二十五烷 / 二十六烷 / 二十七烷 / 二十八烷 / 二十九烷 / 三十烷 / 三十一烷 / 三十二烷 / 三十三烷 / 三十四烷 / 三十五烷 / 三十六烷 / 三十七烷 / 三十八烷 / 三十九烷 / 四十烷 / 四十一烷 / 四十二烷 / 四十三烷 / 四十四烷 / 四十五烷 / 四十六烷 / 四十七烷 / 四十八烷 / 四十九烷 / 五十烷	2 + 8 bar	5° + 60°C	10mm	20mm	130N	4.7cm ³	0.02s	60g	
OFL3015	空氣 / 氮氣 / 氬氣 / 二氧化碳 / 氫氣 / 氦氣 / 乙炔 / 丙烷 / 丁烷 / 戊烷 / 己烷 / 庚烷 / 辛烷 / 壬烷 / 癸烷 / 十一烷 / 十二烷 / 十三烷 / 十四烷 / 十五烷 / 十六烷 / 十七烷 / 十八烷 / 十九烷 / 二十烷 / 二十一烷 / 二十二烷 / 二十三烷 / 二十四烷 / 二十五烷 / 二十六烷 / 二十七烷 / 二十八烷 / 二十九烷 / 三十烷 / 三十一烷 / 三十二烷 / 三十三烷 / 三十四烷 / 三十五烷 / 三十六烷 / 三十七烷 / 三十八烷 / 三十九烷 / 四十烷 / 四十一烷 / 四十二烷 / 四十三烷 / 四十四烷 / 四十五烷 / 四十六烷 / 四十七烷 / 四十八烷 / 四十九烷 / 五十烷	2 + 8 bar	5° + 60°C	15mm	30mm	300N	1.6cm ³	0.06s	110g	
OFL3030	空氣 / 氮氣 / 氬氣 / 二氧化碳 / 氫氣 / 氦氣 / 乙炔 / 丙烷 / 丁烷 / 戊烷 / 己烷 / 庚烷 / 辛烷 / 壬烷 / 癸烷 / 十一烷 / 十二烷 / 十三烷 / 十四烷 / 十五烷 / 十六烷 / 十七烷 / 十八烷 / 十九烷 / 二十烷 / 二十一烷 / 二十二烷 / 二十三烷 / 二十四烷 / 二十五烷 / 二十六烷 / 二十七烷 / 二十八烷 / 二十九烷 / 三十烷 / 三十一烷 / 三十二烷 / 三十三烷 / 三十四烷 / 三十五烷 / 三十六烷 / 三十七烷 / 三十八烷 / 三十九烷 / 四十烷 / 四十一烷 / 四十二烷 / 四十三烷 / 四十四烷 / 四十五烷 / 四十六烷 / 四十七烷 / 四十八烷 / 四十九烷 / 五十烷	2 + 8 bar	5° + 60°C	30mm	30mm	300N	3.2cm ³	0.15s	140g	

● 真空行程氣缸 Vacuum stroke cylinder



型號 Model	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	N (mm)	P (mm)	T (mm)	V (mm)	Z (mm)
OFL2010	19	9	M3x4	24	24	59	25	13	74.2	4	8	16	Ø4.2	Ø10	28
OFL3015	28	7	M4x6	34	34	68	34	17	87.2	5	13	23.3	Ø8.8	Ø15	28
OFL3030	28	7	M4x6	34	34	91	34	17	125.2	5	13	38.3	Ø8.8	Ø15	36

运用实例 / Application example

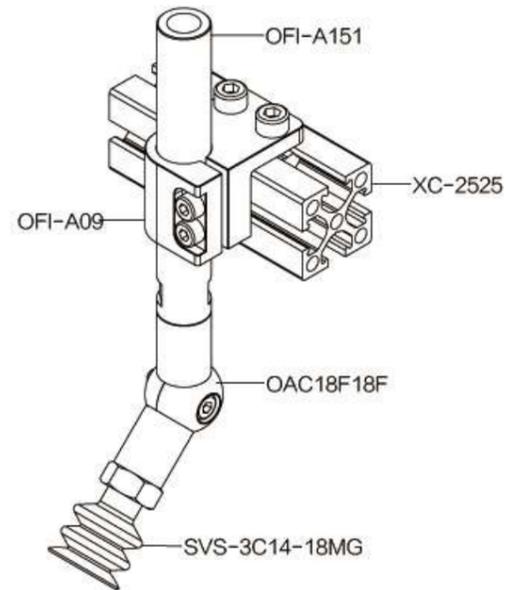


EOAT型材夾具

EOAT型材夾具

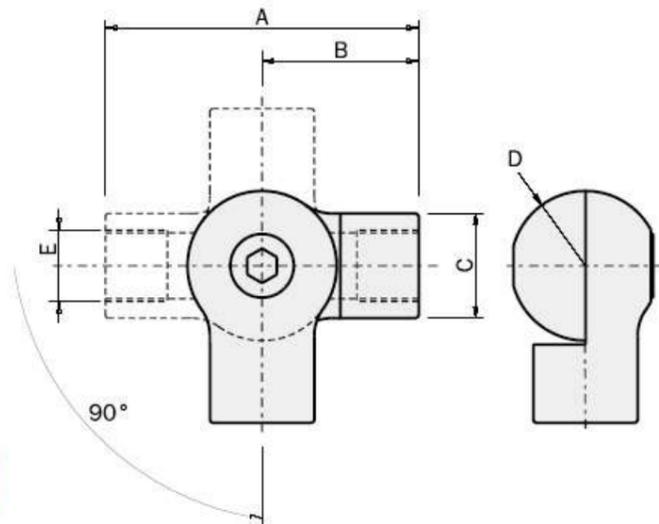
● 彎臂 / Elbow arms

- 不適應壓縮空氣 (僅真空可用)。
 - 安裝在真空吸盤及兩個凹形螺柱之間。
 - 預先設定好角度後可支持真空吸盤傾斜。
 - 可設定連續的角度從0° 到 +/-90° 。
 - 通過擰螺絲來固定角度。
 - 集成真空通道。
- Not for compressed air (only vacuum).
 - They are mounted between the vacuum cup and its support by two female threads.
 - They are used to tilt the vacuum cup with respect to the support under a predefined angle.
 - It is possible to set continuously the angle from 0° to +/-90° .
 - By tightening one screw the angle is fixed.
 - Integrated vacuum channel.



型號 Model	A	B	重量 Weight	單價(元) Price(yuan)
OAC05F05F	M5	M5	10g	
OAC18F18F	G1/8"	G1/8"	15g	
OAC14F14F	G1/4"	G1/4"	40g	

尺寸 (mm) / Dimensions (mm)



型號 Model	A	B	C	D	E
OAC05F05F	33	16.5	∅10	R8	M5
OAC18F18F	42	21	∅14	R10	G1/8"
OAC14F14F	56	28	∅20	R14	G1/4"

NOTES

真空吸盤系列

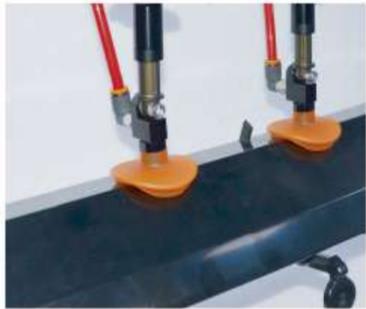
● 應用行業 Application industry

注塑行業 Injection molding industry



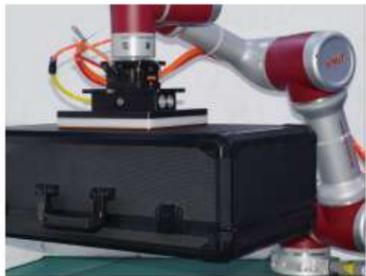
采用无痕吸盘从注塑模具里取出炽热部件
Use a no trace of suction cup to remove hot parts from the injection mold

- 專用吸盤材質適用於須具備耐高溫、抗靜電和無痕要求的搬運作業
- 不含矽的吸盤材質及其製造流程：不會在未加工完的塑料工件表面留下水性油漆幹擾物 (PWIS)
- 高速真空發生器尺寸和重量均最小，有效地提升智能註塑脫模機器人的能效
- Material for handling operations requiring high temperature, antistatic and no trace of requirements.
- (PWIS) Silicone-free suction cup material and its manufacturing process: no water-based paint interferences left on the surface of unprocessed plastic workpieces.
- Vacuum generators are the smallest in size and weight, effectively improving the energy efficiency of intelligent injection molding robots.



体积小、直接安装于端拾器
Small size, directly mounted on the end picker

- 形態纖長的線型真空發生器帶有輕質塑料外殼，可輕鬆插入軟管，貼近吸盤。
- 超小的集成式真空發生器可直接安裝在機器人端拾器上，進一步縮短抽吸時間。
- linear vacuum generator with a lightweight plastic housing for easy insertion into the hose, close to the suction cup.
- Ultra-small integrated vacuum generator can be mounted directly on the robotic pick-up to further reduce pumping time.



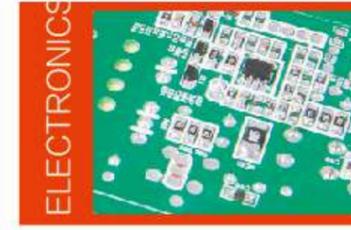
搬运大型曲面塑料部件
Handling large curved plastic parts

- 針對大型複雜工件，包括汽車保險杠、儀表盤裝置、電機端蓋或塑料擋泥板：即插即用的大面積真空吸具系統。
- 吸具系統包含自動執行真空閥，不同形狀工件均可由同壹工具搬運，無需額外的設置時間或自動工具快換裝置 (ATC)。
- 集成輕巧的真空發生器，免除機械臂上的大量真空管路。
- Instrument panel devices, motor end covers or plastic fenders: plug-and-play large area vacuum suction system.
- That can be moved by the same tool without additional setup time or automatic tool changer (ATC).
- Integrated lightweight vacuum generator eliminates a large number of vacuum lines on the robot arm.

真空吸盤系列

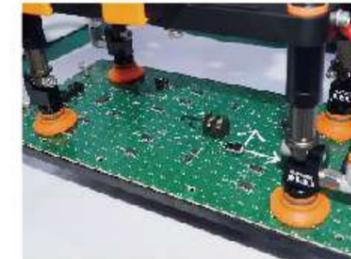
● 應用行業 Application industry

電子行業 Electronic industry



搬運矽片、模具、薄膜、印刷線路板、SMT部件、子配件和外殼
Transportation of silicon wafers, dies, films, printed circuit boards, SMT components, sub-parts and shells

- 無痕接觸，提升電子產品的品質
- 適合潔淨室的已處理部件，符合ISO 14644-1的3級或4級標準
- 抗靜電橡膠材質，可在生產環節中有效避免靜電
- 高速真空發生器適合定位精確，作業節拍快的流程，如貼片機
- Trackless Contact to Improve the Quality of Electronic Products
- Processed components suitable for clean rooms, conforming to ISO 14644-1 Grade 3 or 4 standards
- Antistatic rubber material can effectively avoid static electricity in the production process.
- High-speed vacuum generators are suitable for precise positioning and fast-paced processes, such as mounting machines.



創新真空元器件專用於電子行業生產工序
Innovative Vacuum Components Specially Used in the Production Procedure of Electronic Industry

- 安全且快速地搬運易損工件，包括矽片、PCB箔片和漆膜；
- 智能大面積真空吸具可確保生產流程高度可靠且能耗低；
- 適合PCB修邊的專用解決方案，包括廢棄部分的搬運。
- Safe and fast handling of vulnerable workpieces, including silicon, PCB foil and paint film;
- Intelligent large area vacuum suction device can ensure high reliability of production process and low energy consumption;
- Special solution for PCB trimming, including removal of waste parts.

真空吸盤系列

真空吸盤系列

● 應用行業 Application industry

復合材料行業 Composite industry



適合復合材料半成品和固化工件的搬運解決方案
Handling solutions for composite semi-finished and cured workpieces

- 乾燥復合紡織物，如在RTM工藝中；
 - 粘性熱固性半固化片材料；
 - 剛性熱固短型和長型纖維材料，包括SMC、BMC、和LFT；
 - 熱塑性部件，包括有機片材；
 - 已固化的半成品和成品工件。
- Dry composite textiles, as in the RTM process;
 - Viscous thermosetting prepreg material;
 - Rigid thermoset short and long fiber materials, including SMC, BMC, and LFT;
 - Thermoplastic parts, including organic sheets;
 - Cured semi-finished and finished parts.



裝夾多孔的原材料和半成品
Clamping porous raw materials and semi-finished products

- 針式吸盤適用於安全搬運多空、復合材料半成品以及預制件應用實例：從切割臺上取下疏鬆的堆疊件以及搬運預制件，例如，應用於汽車行業；
- 複合式吸盤內置真空發生裝置，抽吸速率大，可安全且輕柔地搬運多孔復合材料，不會影響纖維取向。應用實例：從切割臺上或預成型系統中吸取工件，例如應用於航天行業。
- Needle suction cups are suitable for safe handling of long and short, composite semi-finished products and prefabricated applications: removing loose stacks from the cutting table and handling the preforms, for example, in the automotive industry;
- The composite suction cup has a built-in vacuum generator that provides a high suction rate and safe and gentle handling of the porous composite without affecting fiber orientation. Application example: Extracting workpieces from a cutting table or a preforming system, for example in the aerospace industry.



適用於或已固化的工件脫模工序的吸盤
Suction cup for the demolding process of a solidified or cured workpiece

- 特殊無痕和耐高溫型號，甚至可搬運溫度高達250°C的有機金屬板材；
 - 專用吸盤可輕柔搬運半固化；
 - 吸盤材質不含水性油漆干擾物(PWIS)，已固化的工件在清漆工序前不會留下任何痕跡。
- Specially non-marking and high temperature resistant models, even for handling organometallic sheets up to 250 ° C;
 - Special suction cups for gentle handling and semi-curing;
 - The suction cup material does not contain water-based paint interference (PWIS), and the cured workpiece does not leave any traces before the varnishing process.

● 無痕橡膠 Seamless rubber

HT1制成的無痕吸盤不含水性油漆干擾物(PWIS)。此外，生產過程中未使用矽橡膠(例如，脫模劑)。因此，該材質不會留下可見印記，僅留下極少的化學痕跡。HT1制成的吸盤是搬運玻璃、PCB、塑料部件、CFRP產品和太陽能組件的最佳方案。

The non-marking suction cup made of HT1 does not contain water-based paint interference (PWIS). In addition, silicone rubber (for example, a release agent) is not used in the production process. Therefore, the material will not be visible. The mark, leaving only a few chemical traces. The suction cup made of HT1 is the best solution for handling glass, PCB, plastic parts, CFRP products and solar modules.



HT1無痕材質吸盤

OPT可提供符合無塵車間要求的吸盤。這些吸盤均按照ISO 14644-1標準進行測試且符合其要求。吸盤所採用材質和結構符合ISO 14644-1標準4級或3級潔淨室要求。

OPT offers suction cups that meet the requirements of a clean room. These suction cups are in accordance with ISO14644-1 Standards are tested and meet their requirements. The material and structure of the suction cup conform to ISO 14644-1 Standard Class 4 or Class 3 cleanroom requirements.

工件痕跡成因

1. 橡膠或脫模劑的矽油
2. 橡膠化合物的化學痕跡
3. 硫化橡膠塑化劑的痕跡
4. 吸盤密封唇磨損
5. 環境中的靜態帶電離子

Cause of workpiece trace

1. Silicone oil for rubber or mold release agent
2. Chemical traces of rubber compounds
3. Traces of vulcanized rubber plasticizer
4. Suction cup sealing lip wear
5. Static charged ions in the environment

實例 Instance

SGT-125-HT1-60-G1/4-IG經Fraunhofer IPA檢測可用於級4級潔淨室。
SGT-125-HT1-60-G1/4-IG can be used for Level 4 by Fraunhofer IPA test Cleanroom.



無痕橡膠聚合HT1(例如: SGF-HT1)無可見痕跡



丁腈PVC(玻璃搬運常用材質)痕跡

吸盤產品系列



丁腈橡膠
- 單層扁平-> 第213頁
- 1.5折-> 第214頁
- 2.5折-> 第215頁



矽膠吸盤
- 單層扁平-> 第217頁
- 1.5折-> 第218頁
- 2.5折-> 第219頁



聚氨酯(PU)吸盤
- 1.5折-> 第225頁



無痕吸盤
- 單層扁平-> 第221頁
- 1.5折-> 第222頁
- 2.5折-> 第223頁



HT1吸盤
- 1.5折-> 第225頁

真空吸盤系列

● 丁腈橡膠 Nitrile rubber

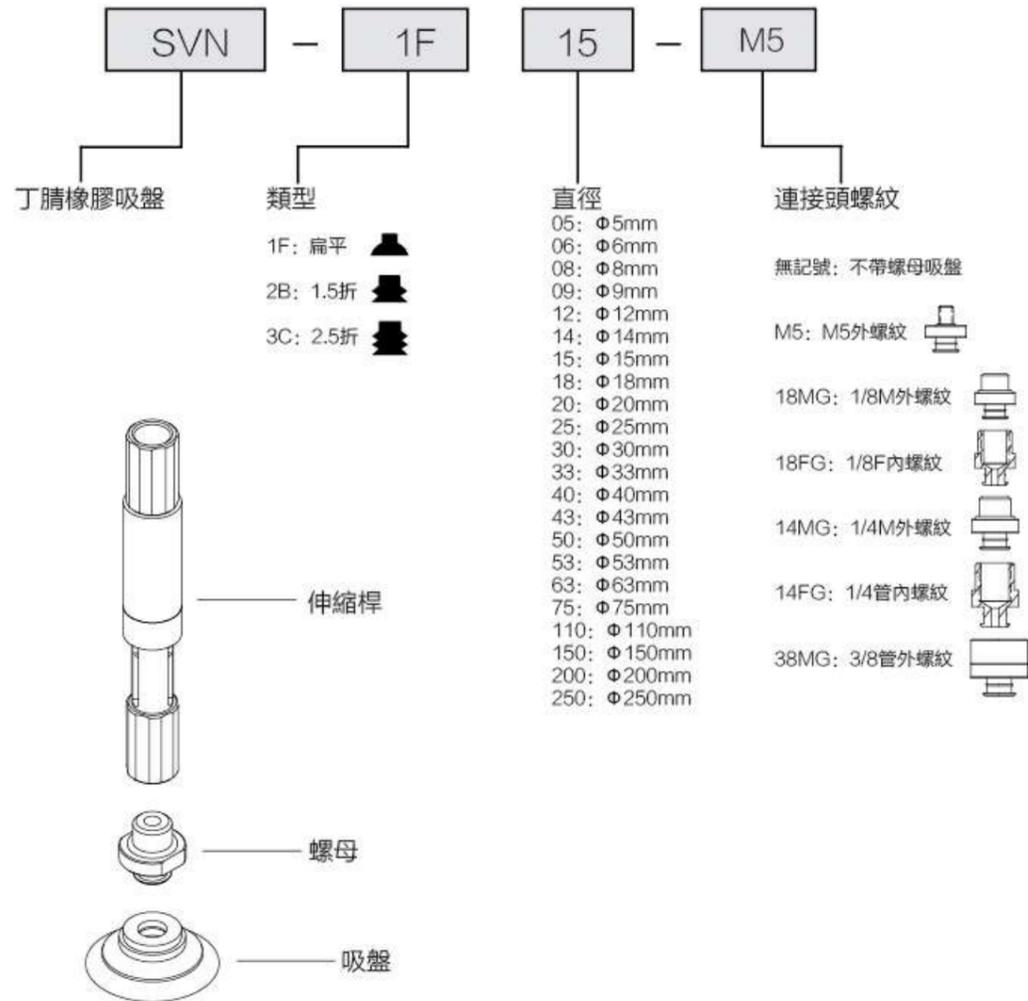
丁腈橡膠特點

採用低溫乳液聚合生產，耐油性極好，耐磨性較高，耐熱性較好，粘接力強。

N-丁腈



型號訂購碼



真空吸盤系列

● 丁腈橡膠 Nitrile rubber

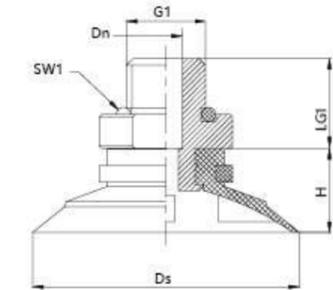
帶螺母单层扁平真空吸盤(Flat vacuum cups)

適用範圍

- 扁平吸盤;
- 適用於表面平整物體的傳送;
- 當提升力和物體表面平行時，推薦使用。

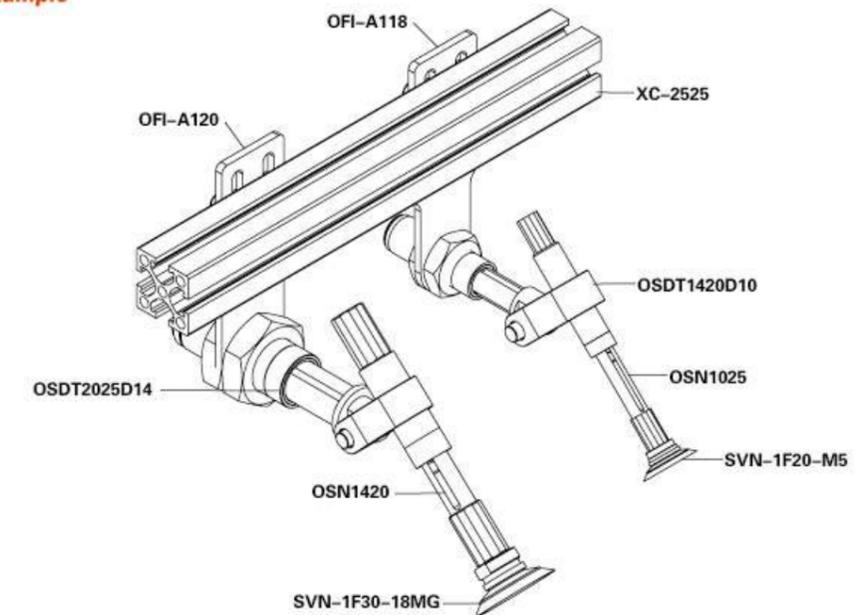
產品特點

- 家電產品、電子配件、塑膠板



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於緩衝杆 Applicable to	單價(元) Price(yuan)
SVN-1F15-M5	M5							SVN-1F15	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05	
SVN-1F15-18MG	M5	2	16.2	11	8.8	8	0.86	SVN-1F15		
SVN-1F20-M5	M5							SVN-1F20		
SVN-1F20-18MG	G1/8"	2	22.4	8	8.5	13	1.47	SVN-1F20		
SVN-1F25-18MG	G1/8"	2	27	9	8.5	13	1.98	SVN-1F25		
SVN-1F30-18FG	G1/8"							SVN-1F30	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050	
SVN-1F30-18M	G1/8"	2	32	10	10.8	13	2.55	SVN-1F30		
SVN-1F40-18F	G1/8"							SVN-1F40		
SVN-1F40-18MG	G1/8"	5	42	12	12.5	19	4.08	SVN-1F40		
SVN-1F50-18FG	G1/8"							SVN-1F50		
SVN-1F50-18MG	G1/8"	5	53	16.5	15	25	7.55	SVN-1F50		
SVN-1F75-18MG	G1/8"	5	75	7	18	-	20.4	SVN-1F75		
SVN-1F75-38MG	G3/8"							SVN-1F75		
SVN-1F110-38MG	G3/8"	16	110	15	15	-	42.5	SVN-1F110		
SVN-1F150-38MG	G3/8"	16	152	20	18	-	86.7	SVN-1F150		
SVN-1F200-38MG	G3/8"		200					SVN-1F200		
SVN-1F250-38MG	G3/8"		250					SVN-1F250		

運用實例 / Application example



真空吸盤系列

● 丁腈橡膠 Nitrile rubber

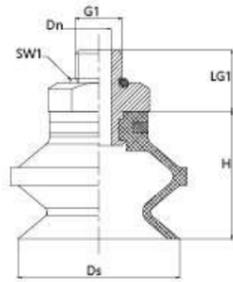
1.5折帶螺母真空吸盤 (vacuum cups with 1.5 bellows With nut)

產品特點

- 波紋吸盤1.5折;
- 可水平調整, 適用與有高度變化物體的搬運;
- 適用有些曲面的物體和需正確分離的薄膜。

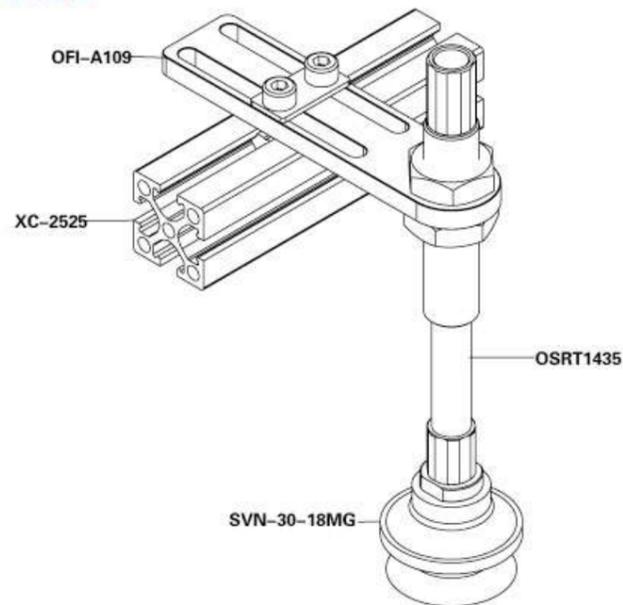
適用範圍

- 電子零件



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於緩衝杆 Applicable to	單價(元) Price(yuan)	
SVN-2B05-M5	M5	2	6.2	9	9	8	0.062	SVN-2B05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05		
SVN-2B06-M5	M5	2	7	9	9	8	0.09	SVN-2B06			
SVN-2B08-M5	M5	2	9.8	9	9	8	0.16	SVN-2B08			
SVN-2B10-M5	M5	2	12	16	9	8	0.125	SVN-2B10			
SVN-2B12-M5	M5	2	14	16.6	9	8	0.36	SVN-2B12			
SVN-2B15-M5	M5	2	17.5	19.2	9	8	0.56	SVN-2B15			
SVN-2B15-18MG	G1/8"	2	17.5	19.2	9	8	0.56	SVN-2B15		筒下G1/8"	
SVN-2B20-M5	M5	5	24	26	9	13	1	SVN-2B20		筒上M5	
SVN-2B20-18MG	G1/8"	5	24	26	9	13	1	SVN-2B20			
SVN-2B30-18MG	G1/8"	5	36	31	12.5	19	2.25	SVN-2B30			
SVN-2B20-18F	G1/8"	5	36	31	12.5	19	2.25	SVN-2B20	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050		
SVN-2B40-18MG	G1/8"	5	46	34	12.5	19	4	SVN-2B40			
SVN-2B40-18FG	G1/8"	5	46	34	12.5	19	4	SVN-2B40			
SVN-2B50-18MG	G1/8"	5	58	32	13.5	25	6.25	SVN-2B50			
SVN-2B50-18FG	G1/8"	5	58	32	13.5	25	6.25	SVN-2B50			
SVN-2B75-18FG	G1/8"	10	84	30	18	-	14	SVN-2B75			
SVN-2B75-38FG	G3/8"	10	84	30	18	-	14	SVN-2B75			
SVN-2B110-38FG	G3/8"	16	124	45	15	-	30.2	SVN-2B110			

運用實例 / Application example



抓取夾持系列

● 丁腈橡膠 Nitrile rubber

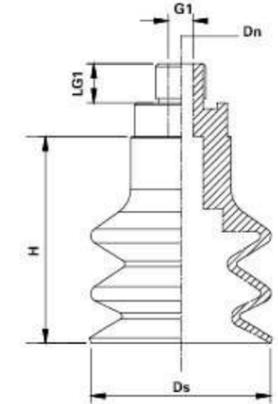
2.5折帶螺母真空吸盤 (vacuum cups with 2.5 bellows With nut)

產品特點

- 2.5折波紋結構;
- 吸盤的壓縮行程長;
- 接觸工件時有良好的緩沖性能, 吸力柔和;
- 極易貼合曲面和表面不平整工件。

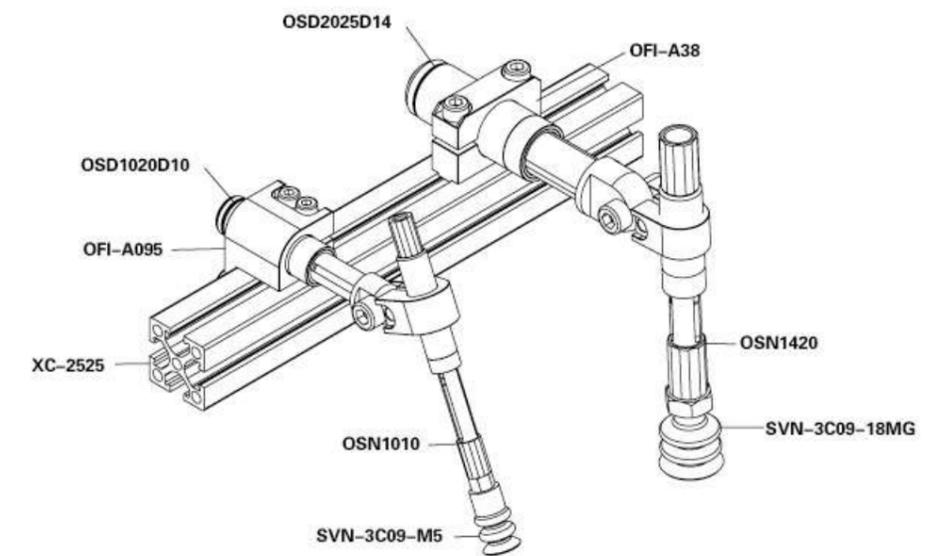
適用範圍

- 註塑成型行業、電子行業



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於緩衝杆 Applicable to	單價(元) Price(yuan)
SVN-3C05-M5	M5	2	5	18	94.5	10	0.06	SVN-3C05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05	
SVN-3C09-M5	M5	2	9	19	4.5	10	0.2	SVN-3C09		
SVN-3C14-18MG	G1/8"	2	14	26	4.5	10	0.5	SVN-3C14		
SVN-3C18-18MG	G1/8"	5	18	26	4.5	10	0.81	SVN-3C18		
SVN-3C20-18MG	G1/8"	5	20	26	7	14	1	SVN-3C20	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050	
SVN-3C33-18MG	G1/8"	5	33	41	7	14	2.7	SVN-3C33		
SVN-3C43-18MG	G1/8"	10	43	50	7	14	4.6	SVN-3C43		
SVN-3C53-18MG	G1/8"	16	53	50	7	14	6.8	SVN-3C53		
SVN-3C63-18MG	G1/8"	16	63	57	7	14	9.8	SVN-3C63		

運用實例 / Application example



真空吸盤系列

● 矽膠 Silica gel

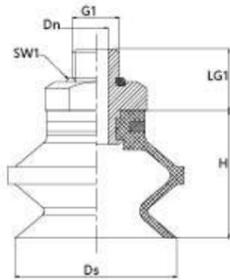
1.5折帶螺母真空吸盤 (vacuum cups with 1.5 bellows With nut)

產品特點

- 波紋吸盤1.5折;
- 可水平調整, 適用與有高度變化物體的搬運;
- 適用有些曲面的物體和需正確分離的薄膜。

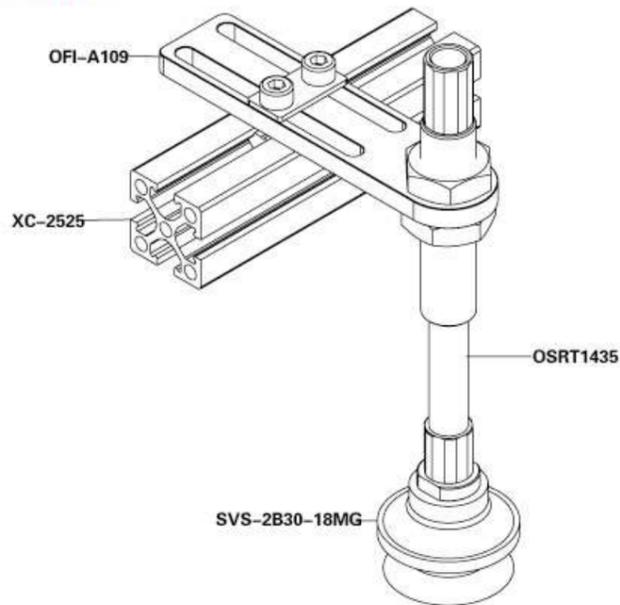
適用範圍

- 電子零件



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於螺桿杆 Applicable to	單價(元) Price(yuan)	
SVS-2B05-M5	M5	2	6.2	9	9	8	0.062	SVS-2B05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05		
SVS-2B06-M5	M5	2	7	9	9	8	0.09	SVS-2B06			
SVS-2B08-M5	M5	2	9.8	9	9	8	0.16	SVS-2B08			
SVS-2B10-M5	M5	2	12	16	9	8	0.125	SVS-2B10			
SVS-2B12-M5	M5	2	14	16.6	9	8	0.36	SVS-2B12			
SVS-2B15-M5	M5	2	17.5	19.2	9	8	0.56	SVS-2B15			
SVS-2B15-18MG	G1/8"	2	17.5	19.2	9	8	0.56	SVS-2B15		而下G1/8"	
SVS-2B20-M5	M5	5	24	26	9	13	1	SVS-2B20		而上M5	
SVS-2B20-18MG	G1/8"	5	24	26	9	13	1	SVS-2B20			
SVS-2B30-18MG	G1/8"	5	36	31	12.5	19	2.25	SVS-2B30			
SVS-2B20-18F	G1/8"	5	36	31	12.5	19	2.25	SVS-2B20	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050		
SVS-2B40-18MG	G1/8"	5	46	34	12.5	19	4	SVS-2B40			
SVS-2B40-18FG	G1/8"	5	46	34	12.5	19	4	SVS-2B40			
SVS-2B50-18MG	G1/8"	5	58	32	13.5	25	6.25	SVS-2B50			
SVS-2B50-18FG	G1/8"	5	58	32	13.5	25	6.25	SVS-2B50			
SVS-2B75-18FG	G3/8"	10	84	30	18	-	14	SVS-2B75			
SVS-2B75-38FG	G3/8"	10	84	30	18	-	14	SVS-2B75			
SVS-2B110-38FG	G3/8"	16	124	45	15	-	30.2	SVS-2B110			

運用實例 / Application example



抓取夾持系列

● 矽膠 Silica gel

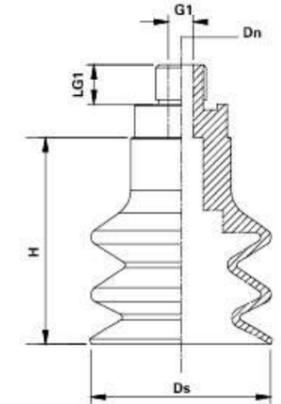
2.5折帶螺母真空吸盤 (vacuum cups with 2.5 bellows With nut)

產品特點

- 2.5折波紋結構;
- 吸盤的壓縮行程長;
- 接觸工件時有良好的緩沖性能, 吸力柔和;
- 極易貼合曲面和表面不平整工件。

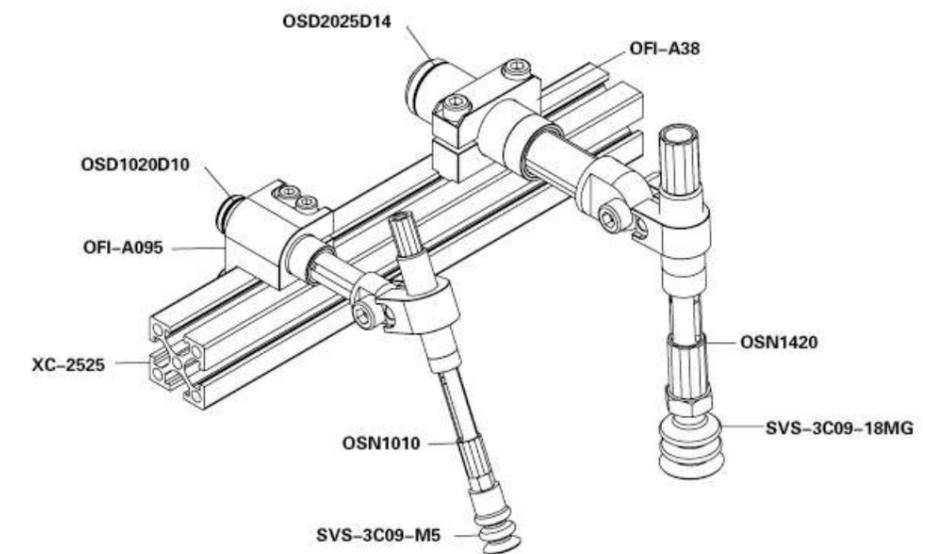
適用範圍

- 註塑成型行業、電子行業



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於螺桿杆 Applicable to	單價(元) Price(yuan)	
SVS-3C05-M5	M5	2	5	18	4.5	10	0.06	SVS-3C05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSE1010F05, OSE1025F05		
SVS-3C09-M5	M5	2	9	19	4.5	10	0.2	SVS-3C09			
SVS-3C14-18MG	G1/8"	2	14	26	4.5	10	0.5	SVS-3C14			
SVS-3C18-18MG	G1/8"	5	18	26	4.5	10	0.81	SVS-3C18	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050		
SVS-3C20-18MG	G1/8"	5	20	26	7	14	1	SVS-3C20			
SVS-3C33-18MG	G1/8"	5	33	41	7	14	2.7	SVS-3C33			
SVS-3C43-18MG	G1/8"	10	43	50	7	14	4.6	SVS-3C43			
SVS-3C53-18MG	G1/8"	16	53	50	7	14	6.8	SVS-3C53			
SVS-3C63-18MG	G1/8"	16	63	57	7	14	9.8	SVS-3C63			

運用實例 / Application example

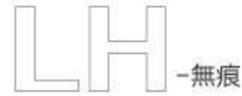


真空吸盤系列

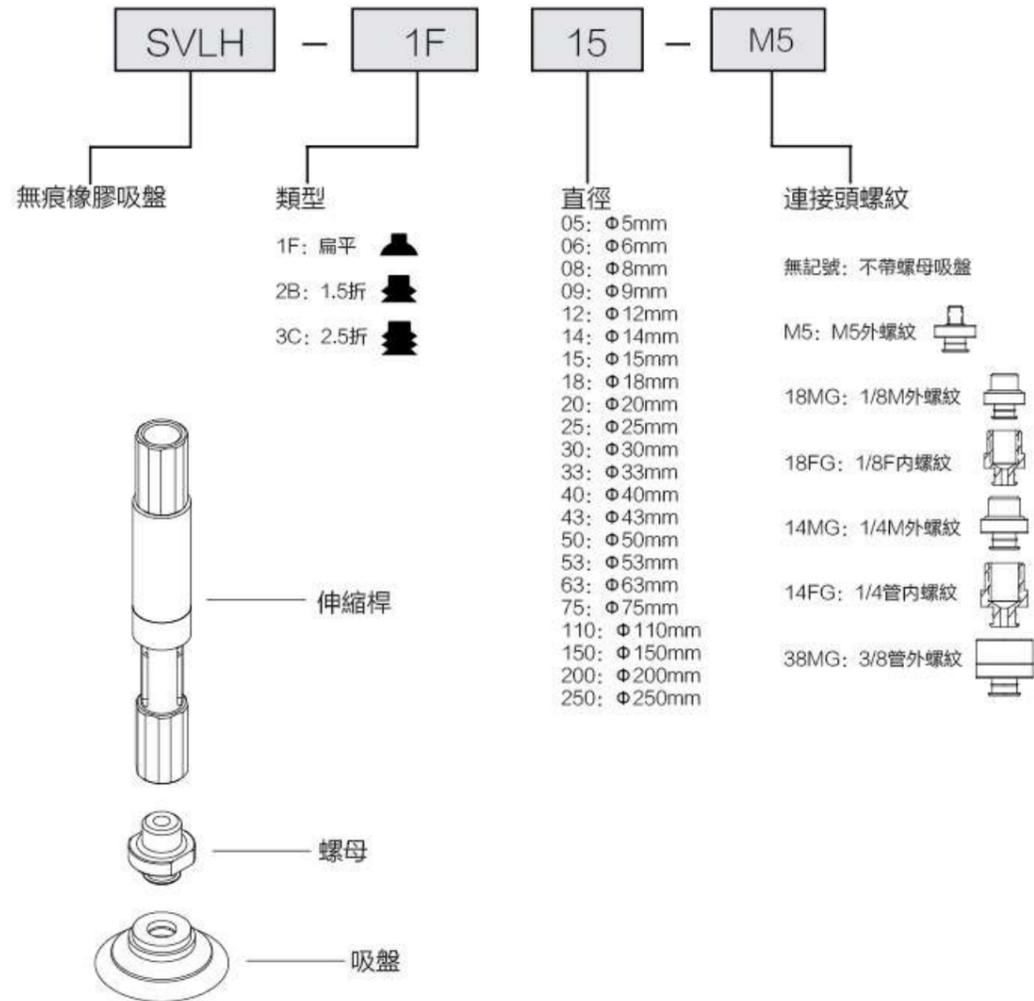
● 無痕橡膠 Seamless rubber

無痕橡膠特點

- (1)、元砂材質和無砂製造工藝：工件上無可印記，無PWIS(水性油漆揮發)；
- (2)、耐高溫：長期140℃、短期170℃；
- (3)、適用於無塵車間。



型號訂購碼



真空吸盤系列

● 無痕橡膠 Seamless rubber

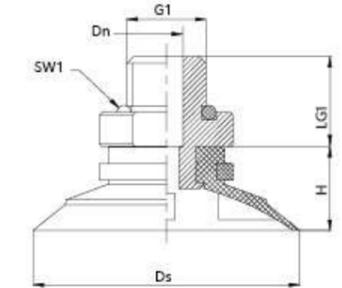
帶螺母單層扁平真空吸盤(Flat vacuum cups)

產品特點

- 扁平吸盤；
- 適用於表面平整物體的傳送；
- 當提升力和物體表面平行時，推薦使用。

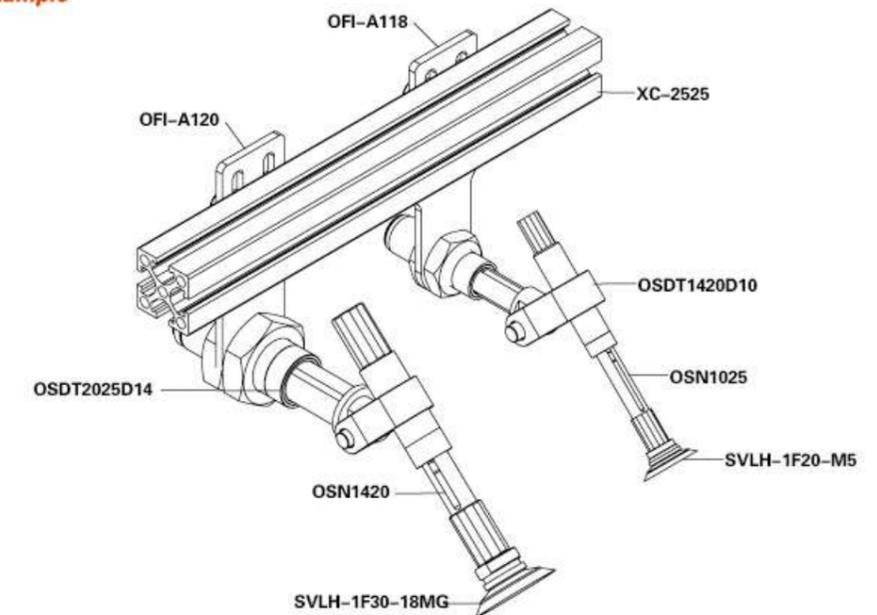
適用範圍

- 家電產品、電子配件、塑膠板



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於螺桿 Applicable to	單價(元) Price(yuan)
SVLH-1F15-M5	M5							SVLH-1F15	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05	
SVLH-1F15-18MG	M5	2	16.2	11	8.8	8	0.86	SVLH-1F15		
SVLH-1F20-M5	M5							SVLH-1F20		
SVLH-1F20-18MG	G1/8"	2	22.4	8	8.5	13	1.47	SVLH-1F20		
SVLH-1F25-18MG	G1/8"	2	27	9	8.5	13	1.98	SVLH-1F25		
SVLH-1F30-18FG	G1/8"							SVLH-1F30		
SVLH-1F30-18M	G1/8"	2	32	10	10.8	13	2.55	SVLH-1F30		
SVLH-1F40-18F	G1/8"							SVLH-1F40		
SVLH-1F40-18MG	G1/8"	5	42	12	12.5	19	4.08	SVLH-1F40		
SVLH-1F50-18FG	G1/8"							SVLH-1F50		
SVLH-1F50-18MG	G1/8"	5	53	16.5	15	25	7.55	SVLH-1F50		
SVLH-1F75-18MG	G1/8"							SVLH-1F75		
SVLH-1F75-38MG	G3/8"						20.4	SVLH-1F75		
SVLH-1F110-38MG	G3/8"	16	110	15	15	-	42.5	SVLH-1F110		
SVLH-1F150-38MG	G3/8"	16	152	20	18	-	86.7	SVLH-1F150		
SVLH-1F200-38MG	G3/8"		200					SVLH-1F200		
SVLH-1F250-38MG	G3/8"		250					SVLH-1F250		

運用實例 / Application example



真空吸盤系列

● 無痕橡膠 Seamless rubber

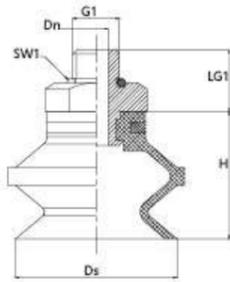
1.5折帶螺母真空吸盤 (vacuum cups with 1.5 bellows With nut)

產品特點

- 波紋吸盤1.5折;
- 可水平調整, 適用與有高度變化物體的搬運;
- 適用有些曲面的物體和需正確分離的薄膜。

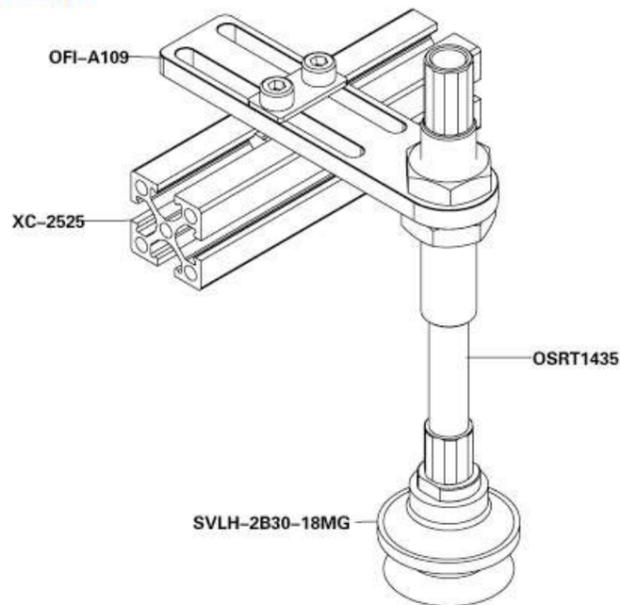
適用範圍

- 電子零件



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於緩衝杆 Applicable to	單價(元) Price(yuan)
SVLH-2B05-M5	M5	2	6.2	9	9	8	0.062	SVLH-2B05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05	
SVLH-2B06-M5	M5	2	7	9	9	8	0.09	SVLH-2B06		
SVLH-2B08-M5	M5	2	9.8	9	9	8	0.16	SVLH-2B08		
SVLH-2B10-M5	M5	2	12	16	9	8	0.125	SVLH-2B10		
SVLH-2B12-M5	M5	2	14	16.6	9	8	0.36	SVLH-2B12		
SVLH-2B15-M5	M5	2	17.5	19.2	9	8	0.56	SVLH-2B15		
SVLH-2B15-18MG	G1/8"	2	17.5	19.2	9	8	0.56	SVLH-2B15		
SVLH-2B20-M5	M5	5	24	26	9	13	1	SVLH-2B20		
SVLH-2B20-18MG	G1/8"	5	24	26	9	13	1	SVLH-2B20		
SVLH-2B30-18MG	G1/8"	5	36	31	12.5	19	2.25	SVLH-2B30		
SVLH-2B20-18F								SVLH-2B20	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050	
SVLH-2B40-18MG	G1/8"	5	46	34	12.5	19	4	SVLH-2B40		
SVLH-2B40-18FG								SVLH-2B40		
SVLH-2B50-18MG	G1/8"	5	58	32	13.5	25	6.25	SVLH-2B50		
SVLH-2B50-18FG								SVLH-2B50		
SVLH-2B75-18FG	G1/8"	10	84	30	18	-	14	SVLH-2B75		
SVLH-2B75-38FG	G3/8"	10	84	30	18	-	14	SVLH-2B75		
SVLH-2B110-38FG	G3/8"	16	124	45	15	-	30.2	SVLH-2B110		

運用實例 / Application example



抓取夾持系列

● 無痕橡膠 Seamless rubber

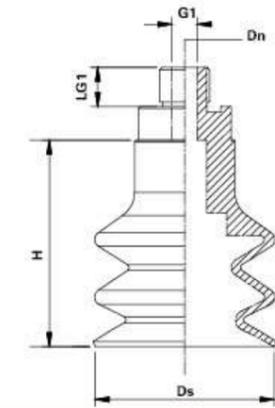
2.5折帶螺母真空吸盤 (vacuum cups with 2.5 bellows With nut)

產品特點

- 2.5折波紋結構;
- 吸盤的壓縮行程長;
- 接觸工件時有良好的緩沖性能, 吸力柔和;
- 極易貼合曲面和表面不平整工件。

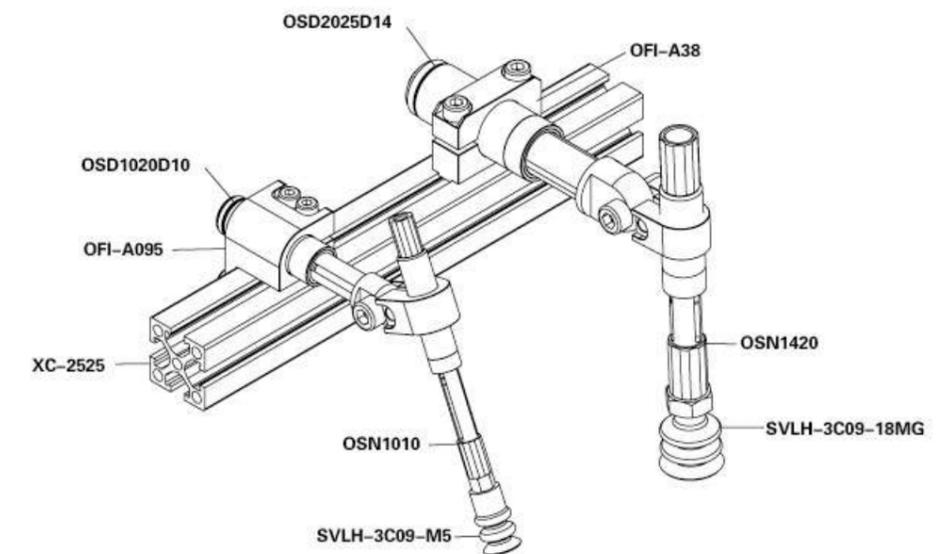
適用範圍

- 註塑成型行業、電子行業



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於緩衝杆 Applicable to	單價(元) Price(yuan)
SVLH-3C05-M5	M5	2	5	18	4.5	10	0.06	SVLH-3C05	OSR1010, OSR1025, OSRT1010, OSRT1025, OSNT1010, OSNT1025, OSN1010, OSN1025, OSRTG1025, OSS2025, OSS2050, OSET1010F05, OSET1025F05, OSE1010F05, OSE1025F05	
SVLH-3C09-M5	M5	2	9	19	4.5	10	0.2	SVLH-3C09		
SVLH-3C14-18MG	G1/8"	2	14	26	4.5	10	0.5	SVLH-3C14		
SVLH-3C18-18MG	G1/8"	5	18	26	4.5	10	0.81	SVLH-3C18	OSE1420F18, OSE1435F18, OSE2025F18, OSE2050F18, OSET1620F18, OSET1635F18, OSET2025F18, OSET2050F18, OSRTG1435, OSRTG2050, OSN1420, OSN1435, OSN2025, OSN2050, OSNT1420, OSNT1435, OSNT2025, OSNT2050, OSRT1420, OSRT1435, OSRT2025, OSRT2050, OSR1420, OSR1435, OSR2025, OSR2050	
SVLH-3C20-18MG	G1/8"	5	20	26	7	14	1	SVLH-3C20		
SVLH-3C33-18MG	G1/8"	5	33	41	7	14	2.7	SVLH-3C33		
SVLH-3C43-18MG	G1/8"	10	43	50	7	14	4.6	SVLH-3C43		
SVLH-3C53-18MG	G1/8"	16	53	50	7	14	6.8	SVLH-3C53		
SVLH-3C63-18MG	G1/8"	16	63	57	7	14	9.8	SVLH-3C63		

運用實例 / Application example



真空吸盤系列

● 聚氨酯(PU) Polyurethane

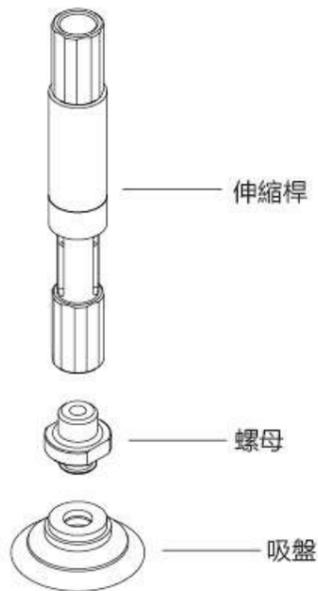
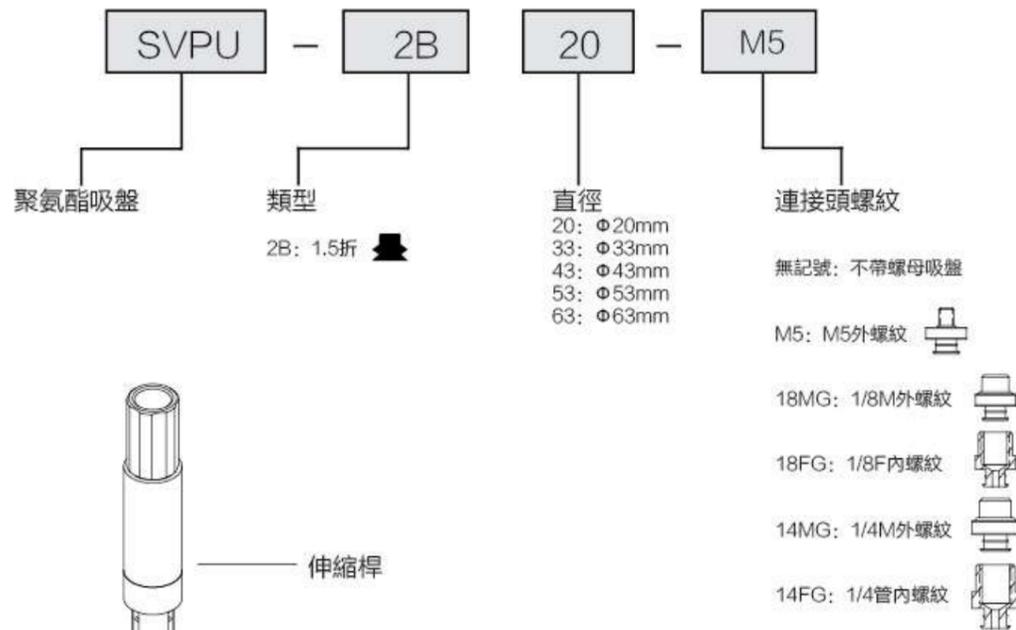
聚氨酯特點

- (1)防塵效果好, 不易被外界物質侵入, 防止外界的所有幹擾, 就算表面粘油異物可刮除。
- (2)壽命長: 聚氨酯密封材質的密封件在條件相同的情況下, 丁腈材質的橡膠對比, 壽命比丁腈材質高達56倍。
- (3)高抗擠出能力和高耐磨的特點。在沒有潤滑的情況下也可以在10MPa的壓力環境中以0.05m/s的速度來回運動。



PU 聚氨酯

型號訂購碼



真空吸盤系列

● 聚氨酯(PU) Polyurethane

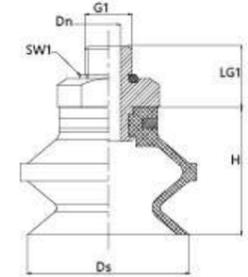
1.5折帶螺母真空吸盤 (vacuum cups with 1.5 bellows With nut)

產品特點

- 1.5折波紋結構;
- 可水平調整, 適用與有高度變化物體的搬運;
- 適用有些曲面的物體和需正確分離的薄膜。

適用範圍

- 註塑成型行業、電子行業



型號 Model	螺母大小 G1(mm)	內孔 Dn(mm)	直徑 Ds(mm)	H(mm)	LG1(mm)	SW1	吸力(水平) KG	吸盤 (Suction cup)	適用於螺桿 Applicable to	單價(元) Price(yuan)
SVPU-2B20-M5	M5	2	18	25	4.5	10	0.81	SVPU-2B20	OSE1010, OSE1025, OSE1100, OSE1125, OSE1150, OSE1175, OSE1200, OSE1225, OSE1250, OSE1275, OSE1300, OSE1325, OSE1350, OSE1375, OSE1400, OSE1425, OSE1450, OSE1475, OSE1500, OSE1525, OSE1550, OSE1575, OSE1600, OSE1625, OSE1650, OSE1675, OSE1700, OSE1725, OSE1750, OSE1775, OSE1800, OSE1825, OSE1850, OSE1875, OSE1900, OSE1925, OSE1950, OSE1975, OSE2000, OSE2025, OSE2050, OSE2075, OSE2100, OSE2125, OSE2150, OSE2175, OSE2200, OSE2225, OSE2250, OSE2275, OSE2300, OSE2325, OSE2350, OSE2375, OSE2400, OSE2425, OSE2450, OSE2475, OSE2500, OSE2525, OSE2550, OSE2575, OSE2600, OSE2625, OSE2650, OSE2675, OSE2700, OSE2725, OSE2750, OSE2775, OSE2800, OSE2825, OSE2850, OSE2875, OSE2900, OSE2925, OSE2950, OSE2975, OSE3000, OSE3025, OSE3050, OSE3075, OSE3100, OSE3125, OSE3150, OSE3175, OSE3200, OSE3225, OSE3250, OSE3275, OSE3300, OSE3325, OSE3350, OSE3375, OSE3400, OSE3425, OSE3450, OSE3475, OSE3500, OSE3525, OSE3550, OSE3575, OSE3600, OSE3625, OSE3650, OSE3675, OSE3700, OSE3725, OSE3750, OSE3775, OSE3800, OSE3825, OSE3850, OSE3875, OSE3900, OSE3925, OSE3950, OSE3975, OSE4000, OSE4025, OSE4050, OSE4075, OSE4100, OSE4125, OSE4150, OSE4175, OSE4200, OSE4225, OSE4250, OSE4275, OSE4300, OSE4325, OSE4350, OSE4375, OSE4400, OSE4425, OSE4450, OSE4475, OSE4500, OSE4525, OSE4550, OSE4575, OSE4600, OSE4625, OSE4650, OSE4675, OSE4700, OSE4725, OSE4750, OSE4775, OSE4800, OSE4825, OSE4850, OSE4875, OSE4900, OSE4925, OSE4950, OSE4975, OSE5000, OSE5025, OSE5050, OSE5075, OSE5100, OSE5125, OSE5150, OSE5175, OSE5200, OSE5225, OSE5250, OSE5275, OSE5300, OSE5325, OSE5350, OSE5375, OSE5400, OSE5425, OSE5450, OSE5475, OSE5500, OSE5525, OSE5550, OSE5575, OSE5600, OSE5625, OSE5650, OSE5675, OSE5700, OSE5725, OSE5750, OSE5775, OSE5800, OSE5825, OSE5850, OSE5875, OSE5900, OSE5925, OSE5950, OSE5975, OSE6000, OSE6025, OSE6050, OSE6075, OSE6100, OSE6125, OSE6150, OSE6175, OSE6200, OSE6225, OSE6250, OSE6275, OSE6300, OSE6325, OSE6350, OSE6375, OSE6400, OSE6425, OSE6450, OSE6475, OSE6500, OSE6525, OSE6550, OSE6575, OSE6600, OSE6625, OSE6650, OSE6675, OSE6700, OSE6725, OSE6750, OSE6775, OSE6800, OSE6825, OSE6850, OSE6875, OSE6900, OSE6925, OSE6950, OSE6975, OSE7000, OSE7025, OSE7050, OSE7075, OSE7100, OSE7125, OSE7150, OSE7175, OSE7200, OSE7225, OSE7250, OSE7275, OSE7300, OSE7325, OSE7350, OSE7375, OSE7400, OSE7425, OSE7450, OSE7475, OSE7500, OSE7525, OSE7550, OSE7575, OSE7600, OSE7625, OSE7650, OSE7675, OSE7700, OSE7725, OSE7750, OSE7775, OSE7800, OSE7825, OSE7850, OSE7875, OSE7900, OSE7925, OSE7950, OSE7975, OSE8000, OSE8025, OSE8050, OSE8075, OSE8100, OSE8125, OSE8150, OSE8175, OSE8200, OSE8225, OSE8250, OSE8275, OSE8300, OSE8325, OSE8350, OSE8375, OSE8400, OSE8425, OSE8450, OSE8475, OSE8500, OSE8525, OSE8550, OSE8575, OSE8600, OSE8625, OSE8650, OSE8675, OSE8700, OSE8725, OSE8750, OSE8775, OSE8800, OSE8825, OSE8850, OSE8875, OSE8900, OSE8925, OSE8950, OSE8975, OSE9000, OSE9025, OSE9050, OSE9075, OSE9100, OSE9125, OSE9150, OSE9175, OSE9200, OSE9225, OSE9250, OSE9275, OSE9300, OSE9325, OSE9350, OSE9375, OSE9400, OSE9425, OSE9450, OSE9475, OSE9500, OSE9525, OSE9550, OSE9575, OSE9600, OSE9625, OSE9650, OSE9675, OSE9700, OSE9725, OSE9750, OSE9775, OSE9800, OSE9825, OSE9850, OSE9875, OSE9900, OSE9925, OSE9950, OSE9975, OSE10000, OSE10025, OSE10050, OSE10075, OSE10100, OSE10125, OSE10150, OSE10175, OSE10200, OSE10225, OSE10250, OSE10275, OSE10300, OSE10325, OSE10350, OSE10375, OSE10400, OSE10425, OSE10450, OSE10475, OSE10500, OSE10525, OSE10550, OSE10575, OSE10600, OSE10625, OSE10650, OSE10675, OSE10700, OSE10725, OSE10750, OSE10775, OSE10800, OSE10825, OSE10850, OSE10875, OSE10900, OSE10925, OSE10950, OSE10975, OSE11000, OSE11025, OSE11050, OSE11075, OSE11100, OSE11125, OSE11150, OSE11175, OSE11200, OSE11225, OSE11250, OSE11275, OSE11300, OSE11325, OSE11350, OSE11375, OSE11400, OSE11425, OSE11450, OSE11475, OSE11500, OSE11525, OSE11550, OSE11575, OSE11600, OSE11625, OSE11650, OSE11675, OSE11700, OSE11725, OSE11750, OSE11775, OSE11800, OSE11825, OSE11850, OSE11875, OSE11900, OSE11925, OSE11950, OSE11975, OSE12000, OSE12025, OSE12050, OSE12075, OSE12100, OSE12125, OSE12150, OSE12175, OSE12200, OSE12225, OSE12250, OSE12275, OSE12300, OSE12325, OSE12350, OSE12375, OSE12400, OSE12425, OSE12450, OSE12475, OSE12500, OSE12525, OSE12550, OSE12575, OSE12600, OSE12625, OSE12650, OSE12675, OSE12700, OSE12725, OSE12750, OSE12775, OSE12800, OSE12825, OSE12850, OSE12875, OSE12900, OSE12925, OSE12950, OSE12975, OSE13000, OSE13025, OSE13050, OSE13075, OSE13100, OSE13125, OSE13150, OSE13175, OSE13200, OSE13225, OSE13250, OSE13275, OSE13300, OSE13325, OSE13350, OSE13375, OSE13400, OSE13425, OSE13450, OSE13475, OSE13500, OSE13525, OSE13550, OSE13575, OSE13600, OSE13625, OSE13650, OSE13675, OSE13700, OSE13725, OSE13750, OSE13775, OSE13800, OSE13825, OSE13850, OSE13875, OSE13900, OSE13925, OSE13950, OSE13975, OSE14000, OSE14025, OSE14050, OSE14075, OSE14100, OSE14125, OSE14150, OSE14175, OSE14200, OSE14225, OSE14250, OSE14275, OSE14300, OSE14325, OSE14350, OSE14375, OSE14400, OSE14425, OSE14450, OSE14475, OSE14500, OSE14525, OSE14550, OSE14575, OSE14600, OSE14625, OSE14650, OSE14675, OSE14700, OSE14725, OSE14750, OSE14775, OSE14800, OSE14825, OSE14850, OSE14875, OSE14900, OSE14925, OSE14950, OSE14975, OSE15000, OSE15025, OSE15050, OSE15075, OSE15100, OSE15125, OSE15150, OSE15175, OSE15200, OSE15225, OSE15250, OSE15275, OSE15300, OSE15325, OSE15350, OSE15375, OSE15400, OSE15425, OSE15450, OSE15475, OSE15500, OSE15525, OSE15550, OSE15575, OSE15600, OSE15625, OSE15650, OSE15675, OSE15700, OSE15725, OSE15750, OSE15775, OSE15800, OSE15825, OSE15850, OSE15875, OSE15900, OSE15925, OSE15950, OSE15975, OSE16000, OSE16025, OSE16050, OSE16075, OSE16100, OSE16125, OSE16150, OSE16175, OSE16200, OSE16225, OSE16250, OSE16275, OSE16300, OSE16325, OSE16350, OSE16375, OSE16400, OSE16425, OSE16450, OSE16475, OSE16500, OSE16525, OSE16550, OSE16575, OSE16600, OSE16625, OSE16650, OSE16675, OSE16700, OSE16725, OSE16750, OSE16775, OSE16800, OSE16825, OSE16850, OSE16875, OSE16900, OSE16925, OSE16950, OSE16975, OSE17000, OSE17025, OSE17050, OSE17075, OSE17100, OSE17125, OSE17150, OSE17175, OSE17200, OSE17225, OSE17250, OSE17275, OSE17300, OSE17325, OSE17350, OSE17375, OSE17400, OSE17425, OSE17450, OSE17475, OSE17500, OSE17525, OSE17550, OSE17575, OSE17600, OSE17625, OSE17650, OSE17675, OSE17700, OSE17725, OSE17750, OSE17775, OSE17800, OSE17825, OSE17850, OSE17875, OSE17900, OSE17925, OSE17950, OSE17975, OSE18000, OSE18025, OSE18050, OSE18075, OSE18100, OSE18125, OSE18150, OSE18175, OSE18200, OSE18225, OSE18250, OSE18275, OSE18300, OSE18325, OSE18350, OSE18375, OSE18400, OSE18425, OSE18450, OSE18475, OSE18500, OSE18525, OSE18550, OSE18575, OSE18600, OSE18625, OSE18650, OSE18675, OSE18700, OSE18725, OSE18750, OSE18775, OSE18800, OSE18825, OSE18850, OSE18875, OSE18900, OSE18925, OSE18950, OSE18975, OSE19000, OSE19025, OSE19050, OSE19075, OSE19100, OSE19125, OSE19150, OSE19175, OSE19200, OSE19225, OSE19250, OSE19275, OSE19300, OSE19325, OSE19350, OSE19375, OSE19400, OSE19425, OSE19450, OSE19475, OSE19500, OSE19525, OSE19550, OSE19575, OSE19600, OSE19625, OSE19650, OSE19675, OSE19700, OSE19725, OSE19750, OSE19775, OSE19800, OSE19825, OSE19850, OSE19875, OSE19900, OSE19925, OSE19950, OSE19975, OSE20000, OSE20025, OSE20050, OSE20075, OSE20100, OSE20125, OSE20150, OSE20175, OSE20200, OSE20225, OSE20250, OSE20275, OSE20300, OSE20325, OSE20350, OSE20375, OSE20400, OSE20425, OSE20450, OSE20475, OSE20500, OSE20525, OSE20550, OSE20575, OSE20600, OSE20625, OSE20650, OSE20675, OSE20700, OSE20725, OSE20750, OSE20775, OSE20800, OSE20825, OSE20850, OSE20875, OSE20900, OSE20925, OSE20950, OSE20975, OSE21000, OSE21025, OSE21050, OSE21075, OSE21100, OSE21125, OSE21150, OSE21175, OSE21200, OSE21225, OSE21250, OSE21275, OSE21300, OSE21325, OSE21350, OSE21375, OSE21400, OSE21425, OSE21450, OSE21475, OSE21500, OSE21525, OSE21550, OSE21575, OSE21600, OSE21625, OSE21650, OSE21675, OSE21700, OSE21725, OSE21750, OSE21775, OSE21800, OSE21825, OSE21850, OSE21875, OSE21900, OSE21925, OSE21950, OSE21975, OSE22000, OSE22025, OSE22050, OSE22075, OSE22100, OSE22125, OSE22150, OSE22175, OSE22200, OSE22225, OSE22250, OSE22275, OSE22300, OSE22325, OSE22350, OSE22375, OSE22400, OSE22425, OSE22450, OSE22475, OSE22500, OSE22525, OSE22550, OSE22575, OSE22600, OSE22625, OSE22650, OSE22675, OSE22700, OSE22725, OSE22750, OSE22775, OSE22800, OSE22825, OSE22850, OSE22875, OSE22900, OSE22925, OSE22950, OSE22975, OSE23000, OSE23025, OSE23050, OSE23075, OSE23100, OSE23125, OSE23150, OSE23175, OSE23200, OSE23225, OSE23250, OSE23275, OSE23300, OSE23325, OSE23350, OSE23375, OSE23400, OSE23425, OSE23450, OSE23475, OSE23500, OSE23525, OSE23550, OSE23575, OSE23600, OSE23625, OSE23650, OSE23675, OSE23700, OSE23725, OSE23750, OSE23775, OSE23800, OSE23825, OSE23850, OSE23875, OSE23900, OSE23925, OSE23950, OSE23975, OSE24000, OSE24025, OSE24050, OSE24075, OSE24100, OSE24125, OSE24150, OSE24175, OSE24200, OSE24225, OSE24250, OSE24275, OSE24300, OSE24325, OSE24350, OSE24375, OSE24400, OSE24425, OSE24450, OSE24475, OSE24500, OSE24525, OSE24550, OSE24575, OSE24600, OSE24625, OSE24650, OSE24675, OSE24700, OSE24725, OSE24750, OSE24775, OSE24800, OSE24825, OSE24850, OSE24875, OSE24900, OSE24925, OSE24950, OSE24975, OSE25000, OSE25025, OSE25050, OSE25075, OSE25100, OSE25125, OSE25150, OSE25175, OSE25200, OSE25225, OSE25250, OSE25275, OSE25300, OSE25325, OSE25350, OSE25375, OSE25400, OSE25425, OSE25450, OSE25475, OSE25500, OSE25525, OSE25550, OSE25575, OSE25600, OSE25625, OSE25650, OSE25675, OSE25700, OSE25725, OSE25750, OSE25775, OSE25800, OSE25825, OSE25850, OSE25875, OSE25900, OSE25925, OSE25950, OSE25975, OSE26000, OSE26025, OSE26050, OSE26075, OSE26100, OSE26125, OSE26150, OSE26175, OSE26200, OSE26225, OSE26250, OSE26275, OSE26300, OSE26325, OSE26350, OSE26375, OSE26400, OSE26425, OSE26450, OSE26475, OSE26500, OSE26525, OSE26550, OSE26575, OSE26600, OSE26625, OSE26650, OSE26675, OSE26700, OSE26725, OSE26750, OSE26775, OSE26800, OSE26825, OSE26850, OSE26875, OSE26900, OSE26925, OSE26950, OSE26975, OSE27000, OSE27025, OSE27050, OSE27075, OSE27100, OSE27125, OSE27150, OSE27175, OSE27200, OSE27225, OSE27250, OSE27275, OSE27300, OSE27325, OSE27350, OSE27375, OSE27400, OSE27425, OSE27450, OSE27475, OSE27500, OSE27525, OSE27550, OSE27575, OSE27600, OSE27625, OSE27650, OSE27675, OSE27700, OSE27725, OSE27750, OSE27775, OSE27800, OSE27825, OSE27850, OSE27875, OSE27900, OSE27925, OSE27950, OSE27975, OSE28000, OSE28025, OSE28050, OSE28075, OSE28100, OSE28125, OSE28150, OSE28175, OSE28200, OSE28225, OSE28250, OSE28275, OSE28300, OSE28325, OSE28350, OSE28375, OSE28400, OSE28425, OSE28450, OSE28475, OSE28500, OSE28525, OSE28550, OSE28575, OSE28600, OSE28625, OSE28650, OSE28675, OSE28700, OSE28725, OSE28750, OSE28775, OSE28800, OSE28825, OSE28850, OSE28875, OSE28900, OSE28925, OSE28950, OSE28975, OSE29000, OSE29025, OSE29050, OSE29075, OSE29100, OSE29125, OSE29150, OSE29175, OSE29200, OSE29225, OSE29250, OSE29275, OSE29300, OSE29325, OSE29350, OSE29375, OSE29400, OSE29425, OSE29450, OSE29475, OSE29500, OSE29525, OSE29550, OSE29575, OSE29600, OSE29625, OSE29650, OSE29675, OSE29700, OSE29725, OSE29750, OSE29775, OSE29800, OSE29825, OSE29850, OSE29875, OSE29900, OSE29925, OSE29950, OSE29975, OSE30000, OSE30025, OSE30050, OSE30075, OSE30100, OSE30125, OSE30150, OSE30175, OSE30200, OSE30225, OSE30250, OSE30275, OSE30300, OSE30325, OSE30350, OSE30375, OSE30400, OSE30425, OSE30450, OSE30475, OSE30500, OSE30525, OSE30550, OSE30575, OSE30600, OSE30625, OSE30650, OSE30675, OSE30700, OSE30725, OSE30750, OSE30775, OSE30800, OSE30825, OSE30850, OSE30875, OSE30900, OSE30925, OSE30950, OSE30975, OSE31000, OSE31025, OSE31050, OSE31075, OSE31100, OSE31125, OSE31150, OSE31175, OSE31200, OSE31225, OSE31250, OSE31275, OSE31300, OSE31325, OSE31350, OSE31375, OSE31400, OSE31425, OSE31450, OSE31475, OSE31500, OSE31525, OSE31550, OSE31575, OSE31600, OSE31625, OSE31650, OSE31675, OSE31700, OSE31725, OSE31750, OSE31775, OSE31800, OSE31825, OSE31850, OSE31875, OSE31900, OSE31925, OSE31950, OSE31975, OSE32000, OSE32025, OSE32050, OSE32075, OSE32100, OSE32125, OSE32150, OSE32175, OSE32200, OSE32225, OSE32250, OSE32275, OSE32300, OSE32325, OSE32350, OSE32375, OSE32400, OSE32425, OSE32450, OSE32475, OSE32500, OSE32525, OSE32550, OSE32575, OSE32600, OSE32625, OSE32650, OSE32675, OSE32700, OSE32725, OSE32750, OSE32775, OSE32800, OSE32825, OSE32850, OSE32875, OSE32900, OSE32925, OSE32950, OSE32975, OSE33000, OSE33025, OSE33050, OSE33075, OSE33100, OSE33125, OSE33150, OSE33175, OSE33200, OSE33225, OSE33250, OSE33275, OSE33300, OSE33325, OSE33350, OSE33375, OSE33400, OSE33425, OSE33450, OSE33475, OSE33500, OSE33525, OSE33550, OSE33575, OSE33600, OSE33625, OSE33650, OSE33675, OSE33700, OSE33725, OSE33750, OSE33775, OSE33800, OSE33825, OSE33850, OSE33875, OSE33900, OSE33925, OSE33950, OSE33975, OSE34000, OSE34025, OSE34050, OSE34075, OSE34100, OSE34125, OSE34150, OSE34175, OSE34200, OSE34225, OSE34250, OSE34275, OSE34300, OSE34325, OSE34350, OSE34375, OSE34400, OSE34425, OSE34450, OSE34475, OSE34500, OSE34525, OSE34550, OSE34575, OSE34600, OSE34625, OSE34650, OSE34675, OSE34700, OSE34725, OSE34750, OSE34775, OSE34	

抓取夾持系列

● 海綿真空吸盤 Sponge vacuum cup

- 專門設計加工
- 可即刻安裝
- 即插即用
- Specially designed and processed
- Can be installed immediately
- Plug and play



通用性

- 無論是抓取個體或是整層工件，吸具都能保持穩定的抓取力；
- 無需調整就能吸取不同的產品、夾層薄紙或是托板；
- 堅固耐用，不受粉塵環境的影響。

結構緊湊

- 齊平的邊框設計方便“紙盒裝箱”的抓取擺放；
- 對於特殊要求可以提供定制化吸具；
- 內置式真空源簡潔方便。

安裝簡易

- 使用10mm快插式壓縮空氣管；
- 可方便替換您現有吸盤或真空發生器；
- 能耗低。

應用領域

- 生物製藥、食品飲料、家具製造、油漆化工、物流運輸等諸多領域

備注：

- 標準吸盤，採用鋁合金擠出型材制作，交貨期短，安裝方便，強度高，模塊化；
- 非標定制，根據客戶的使用情況設計，應用於窄小的工件抓取；
- 非標定制，橡膠波紋吸盤，應用於表面小弧度和曲面的工件抓取；
- 非標定制，用於壹般工業的非標尺寸吸盤；
- 非標定制，用於薄的紙張，敏感變形材料的應用，包括PCB基板；
- 非標定制，小零件以及PCB邊條；
- 非標定制，小零件以及模塊化快速組裝。

Versatility

- Whether gripping a single or a whole layer of work pieces, the suction can maintain a stable gripping force.
- Can draw different products, laminated tissue or pallet without adjustment;
- Durable, dust-free environment.

Compact structure

- Flat border design to facilitate the "carton box," the crawling display;
- Customized suction for special requirements;
- Built-in vacuum source is simple and convenient.

Easy to install

- 10mm push-in compressed air tubing;
- Easily replace your existing suction cup or vacuum generator;
- Low energy consumption.

Applications

- Biopharmaceuticals, food and beverage, furniture manufacturing, paint chemicals, logistics and transportation and many other fields.

Remarks:

- Standard suction cup, made of aluminum alloy extruded profiles, short delivery time and easy installation;
- High strength, modular;
- Non-standard customization, designed according to customer's usage, applied to narrow workpiece capture;
- Non-standard custom, rubber corrugated suction cup, applied to workpieces with small curvature and curved surface;
- Non-standard custom, non-standard size suction cup for industrial use;
- Non-standard custom for thin paper, sensitive deformation materials, including PCB substrates;
- Non-standard custom, small parts and PCB strips;
- Non-standard customization, small parts and modular quick assembly.

抓取夾持系列

● 海綿真空吸盤 Sponge vacuum cup

概念 Concept

- 海綿真空“吸盤”用于抓取粗糙的、不平整的工件表面；
- 模塊化設計當工件改變時可以快速安裝；
- 可以方便地和已有設備集成；
- Sponge vacuum "sucker" for gripping rough, uneven workpiece surfaces;
- Modular design for quick installation when workpiece changes.
- Can be easily integrated with existing equipment;

優勢 Advantage

- 可用內帶真空管或外接真空源驅動；
- 多個吸具可共用同一真空源以減少能耗；
- 粗糙、泄漏、變形，及不規則的表面和工況都能抓取。
- It can be driven by an internal vacuum tube or an external vacuum source;
- Multiple suction devices can share the same vacuum source to reduce energy consumption;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-440	442mm*130mm	0.4-0.8Mpa	220L/min	550N (標準吸盤-25mm厚)	

概念 Concept

- 海綿真空“吸盤”用于抓取粗糙的、不平整的工件表面；
- 模塊化設計當工件改變時可以快速安裝
- 可以方便地和已有設備集成
- Sponge vacuum "sucker" for gripping rough, uneven workpiece surfaces;
- Modular design for quick installation when workpiece changes
- Easy to integrate with existing devices

優勢 Advantage

- 可用內帶真空管或外接真空源驅動；
- 多個吸具可共用同一真空源以減少能耗；
- 粗糙、泄漏、變形，及不規則的表面和工況都能抓取。
- It can be driven by an internal vacuum tube or an external vacuum source;
- Multiple suction devices can share the same vacuum source to reduce energy consumption;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-320	320mm*80mm	0.4-0.8Mpa	220L/min	470N (標準吸盤-25mm厚)	

概念 Concept

- 海綿真空“吸盤”用于抓取粗糙的、不平整的工件表面；
- 模塊化設計當工件改變時可以快速安裝。
- 可以方便地和已有設備集成。
- Sponge vacuum "sucker" for gripping rough, uneven workpiece surfaces;
- The modular design allows for quick installation when the workpiece changes.
- It can be easily integrated with existing equipment.

優勢 Advantage

- 密封墊可快速進行更換，簡單便捷；
- 採用鋁合金材質，結構緊湊，重量輕；
- 內置真空發生器結構緊湊；
- 內置節流閥技術，調節真空流量；
- The gasket can be quickly replaced, which is simple and convenient;
- Made of aluminum alloy, compact structure and light weight;
- The built-in vacuum generator is compact;
- Built-in throttle technology to regulate vacuum flow;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-300	300mm*130mm	0.4-0.8Mpa	440L/min	350N (標準吸盤-25mm厚)	

≡ 抓取夾持系列

≡ 抓取夾持系列

● 海綿真空吸盤 Sponge vacuum cup



概念
Concept

- 海綿真空“吸盤”用於抓取粗糙的、不平整的工件表面；
- 模塊化設計當工件改變時可以快速安裝；
- 可以方便地和已有設備集成。
- Sponge vacuum “sucker” for gripping rough, uneven workpiece surfaces;
- Modular design for quick installation when workpiece changes;
- Easy to integrate with existing devices.

優勢
Advantage

- 可用內帶真空管或外接真空源驅動；
- 多個吸具可共用同壹真空源以減少能耗；
- 粗糙、泄漏、變形,及不規則的表面和工況都能抓取。
- It can be driven by an internal vacuum tube or an external vacuum source;
- Multiple suction devices can share the same vacuum source to reduce energy consumption;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-10S	108mm*18mm	0.4-0.6Mpa	30L/min	12N (標準型-0.02g/個)	



概念
Concept

- 用以抓袋或熱收縮膜包裝物體；
- 可用於其他單壹物體覆蓋真個吸具；
- 厚海綿條能緊密貼合物體形狀。
- Used to grab a bag or shrink film to wrap an object;
- Can be used for other single objects to cover the real suction device;
- Thick sponge strips fit snugly into the shape of the body.

優勢
Advantage

- 即刻使用(自帶真空源)；
- 海綿條方便更換；
- 使用單向閘多區自動操控(選項,如果是用於多個不同尺寸的工件抓放)。
- Immediate use (with a vacuum source);
- Sponge strips are easy to replace;
- Multi-zone automatic control with check valve (optional if used for multiple different sizes of workpieces).

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-200B	200mm*200mm	0.4-0.6Mpa	220L/min	880N (標準型-0.02g/個)	



概念
Concept

- 用以抓袋或熱收縮膜包裝物體；
- 可用於其他單壹物體覆蓋真個吸具；
- 厚海綿條能緊密貼合物體形狀。
- Used to grab a bag or shrink film to wrap an object;
- Can be used for other single objects to cover the real suction device;
- Thick sponge strips fit snugly into the shape of the body.

優勢
Advantage

- 即刻使用(自帶真空源)；
- 海綿條方便更換；
- 自適應物體形狀。
- Immediate use (with a vacuum source);
- Sponge strips are easy to replace;
- Adaptive object shape.

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-200A	200mm*200mm	0.4-0.6Mpa	220L/min	880N (標準型-0.02g/個)	

● 海綿真空吸盤 Sponge vacuum cup



概念
Concept

- 柔軟、極易貼合工件的密封唇及底波紋結構；
- 靈活, 貼合性佳的材質；
- 高強度頂部波紋。
- Flexible and easy to fit the sealing lip and bottom corrugated structure of the workpiece;
- Flexible, fit material;

優勢
Advantage

- 吸盤吸具適合搬運變形最大的產品, 透過吸盤的高度壓縮補償產品的變形量；
- 嵌入式結構, 可以快速更換吸盤；
- 柔軟性好, 對工件有緩沖保護效果；
- The suction cup suction device is suitable for carrying the most deformed product, and compensates the deformation amount of the product by the height compression of the suction cup;
- Embedded structure for quick change of suction cups;
- Good flexibility and cushioning effect on the workpiece;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-120S	120mm *120mm	0.4-0.6Mpa	100L/min	85N (標準型-0.02g/個)	



概念
Concept

- 用以抓袋或熱收縮膜包裝物體；
- 可用於其他單壹物體覆蓋真個吸具；
- 厚海綿條能緊密貼合物體形狀。
- Used to grab a bag or shrink film to wrap an object;
- Can be used for other single objects to cover the real suction device;
- Thick sponge strips fit snugly into the shape of the body.

優勢
Advantage

- 即刻使用(自帶真空源)；
- 海綿條方便更換；
- 使用單向閘多區自動操控(選項,如果是用於多個不同尺寸的工件抓放)。
- Immediate use (with a vacuum source);
- Sponge strips are easy to replace;
- Multi-zone automatic control with check valve (optional if used for multiple different sizes of workpieces).

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-120B	120mm*120mm	0.4-0.6Mpa	100L/min	210N (標準型-0.02g/個)	



概念
Concept

- 用以抓袋或熱收縮膜包裝物體；
- 可用於其他單壹物體覆蓋真個吸具；
- 厚海綿條能緊密貼合物體形狀。
- Used to grab a bag or shrink film to wrap an object;
- Can be used for other single objects to cover the real suction device;
- Thick sponge strips fit snugly into the shape of the body.

優勢
Advantage

- 即刻使用(自帶真空源)；
- 海綿條方便更換；
- 使用單向閘多區自動操控(選項,如果是用於多個不同尺寸的工件抓放)。
- Immediate use (with a vacuum source);
- Sponge strips are easy to replace;
- Multi-zone automatic control with check valve (optional if used for multiple different sizes of workpieces).

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-120G	120mm*120mm	0.4-0.6Mpa	100L/min	210N (標準型-0.02g/個)	

≡ 抓取夾持系列

● 海綿真空吸盤 Sponge vacuum cup



概念
Concept

- 變形的和不平整的工作件;
- 相比其他夾具更為經濟的真空吸具;
- 自帶真空發生裝置;
- 80%的覆蓋面積;

優勢
Advantage

- 方便安裝(自帶安裝板)
- 快速即插即用;
- 使用簡單、低維護;
- 可做從水平到垂直的翻轉;

- Deformed and uneven workpieces;
- a more economical vacuum suction device than other clamps;
- Self-contained vacuum generating device;
- 80% coverage area;

- Easy to install (with mounting plate)
- Quick plug and play;
- Simple to use and low maintenance;
- Can be flipped from horizontal to vertical;

型號 Model	尺寸 Size	使用壓力 Use pressure	耗氣量 Use pressure	理論吸力 Use pressure	單價(元) Price(yuan)
OVS-80	80mm*80mm	0.4-0.6Mpa	30L/min	12N <small>(約2.8磅力)</small>	

運用實例 / Application example



貨物吸起
Cargo pick up



貨物移動
Goods movement

適用行業：木工、電子、註塑行業；
 本系列產品接受按客戶需求定制，交期為7-15天。
 Applicable industries: woodworking, electronics, injection molding industry;
 This series of products is customized according to customer needs, delivery time is 7-15 days.

NOTES

伸縮杆系列

● 伸縮杆Suspensions serie

伸縮杆特點

- 彈簧減震及高度補償，確保搬運易損工件時的柔性接觸，特別適用於電子行業和注塑成型端拾器。
- 當機械手移動時，這些懸件可用來保持吸盤的位置；
- 它們一般通過OFI支架安裝在治具上。

反作用力

- 反作用力依賴於內部彈簧的壓縮，也依賴於伸縮懸件的活塞直徑及操作壓力。

Telescopic rod features

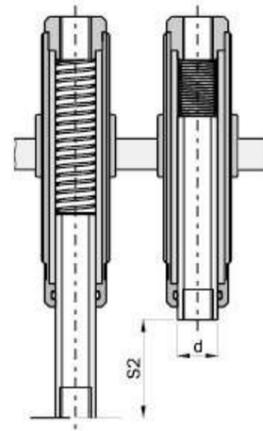
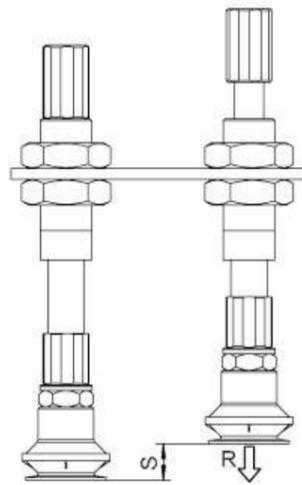
- Spring shock absorption and height compensation ensure flexible contact when handling delicate workpieces, especially for the electronics industry and injection molded end pickers.
- The suspensions (or buffers, or level compensators) are used to keep the suction cups in position as the robot approaches.
- They are typically mounted on EOATs (End Of Arm Toolings) with OFI brackets.

Reaction force

- The reaction force depends on the compression (S) of the internal spring. And also on the piston diameter (d) and operation pressure (p), in the case of telescopic suspensions.

通過以下公式計算

$$R = R1 + K \cdot S + d^2 \cdot \frac{\pi}{40} \cdot p$$



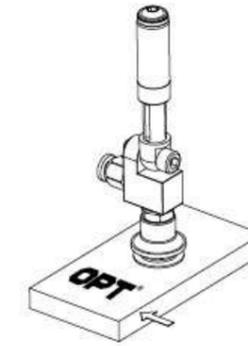
- R [N] 反作用力
Reaction force
- R1 [N] 初始彈簧力
Spring force at the beginning
- K [N/mm] 回彈速率
Spring rate
- S [mm] 壓縮行程
Compression stroke
- d [mm] 活塞孔
Piston bore

- p [bar] 壓力
Pressure
- R2 [N] 末端行程的彈簧力
Spring force at the end-stroke
- S2 [mm] 最大行程
Maximum stroke
- m [g] 重量
Weight

伸縮杆系列

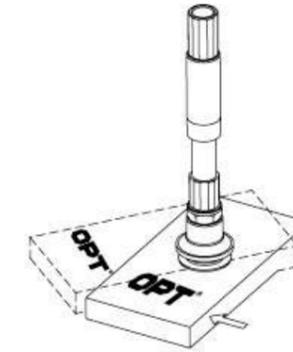
● 伸縮杆Suspensions serie

非可旋轉懸件
Non-rotative suspensions



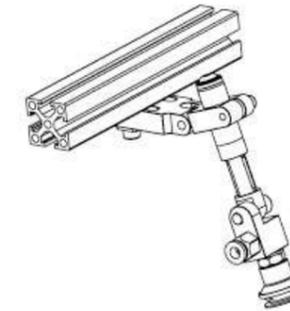
- OSE
- OSET
- OSN
- OSNT
- OSD
- OSDT

可旋轉懸件
Rotative suspensions



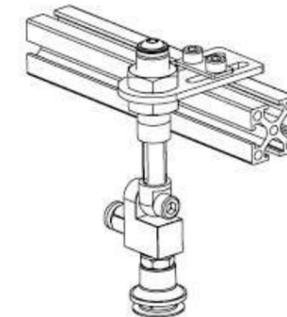
- OSR
- OSRT

帶平滑主體的懸件
Suspensions with smooth body



- OSR
- OSE
- OSN
- OSD

帶螺紋主體的懸件
Suspensions with threaded body



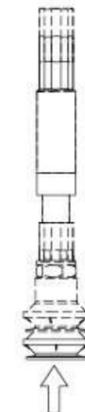
- OSRT
- OSET
- OSNT
- OSDT

伸縮懸件
Telescopic suspensions



- OSE
- OSN
- OSD

通杆懸件
Through rod suspensions



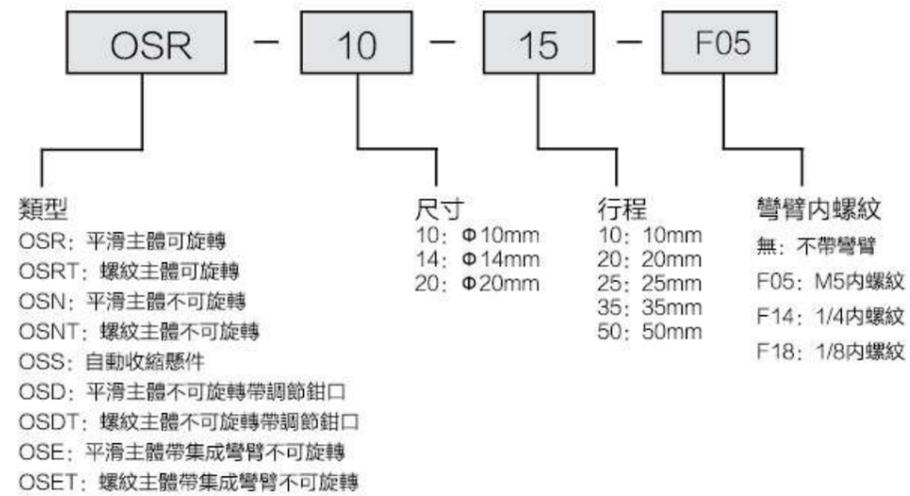
- OSR
- OSRT
- OSE
- OSET
- OSN
- OSNT
- OSD
- OSDT

伸縮杆系列

● 伸縮杆 Telescopic rod series



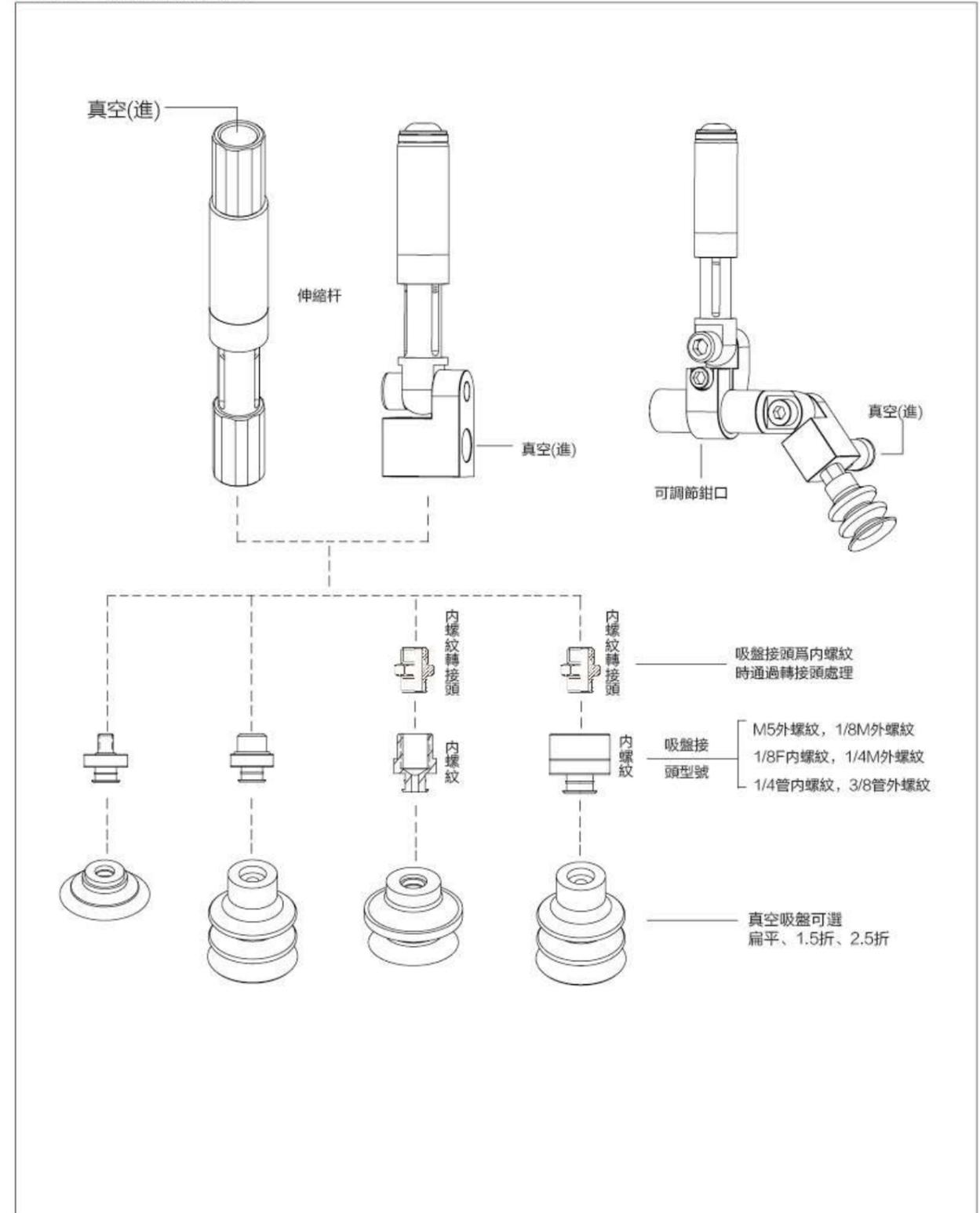
型號訂購碼



備註:
 本產品規格齊全, 可以根據客戶的要求及產品應用的要求定制;
 Remarks: This product has complete specifications and can be customized according to customer requirements and product application requirements;

伸縮杆系列

● 伸縮杆 Telescopic rod series



伸縮杆系列

伸縮杆系列

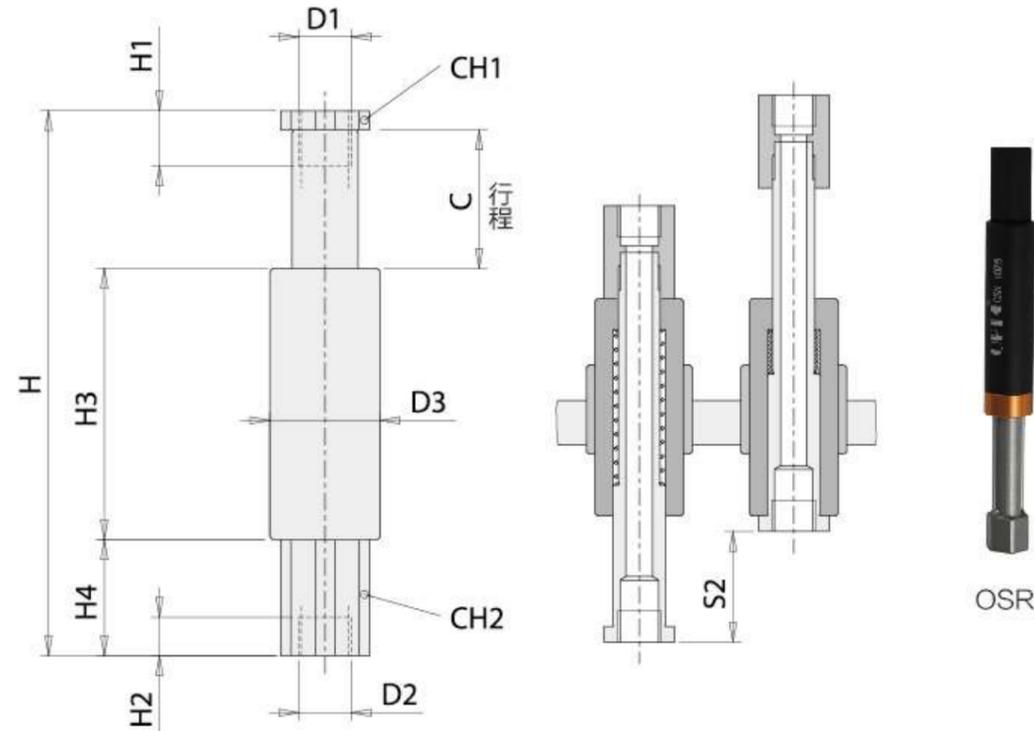
● 伸縮杆 Telescopic rod series

平滑主體的可旋轉懸件

- 主體和杆由陽極鋁制成;
- 可旋轉杆;
- 壓力範圍: -1 ÷ 8bar;
- FDA-H1食品級潤滑脂。

Smooth-body rotative suspensions

- Body and rod in anodized aluminum;
- Rotative rod;
- Pressure range: -1 ÷ 8bar;
- FDA-H1 food-grade grease.



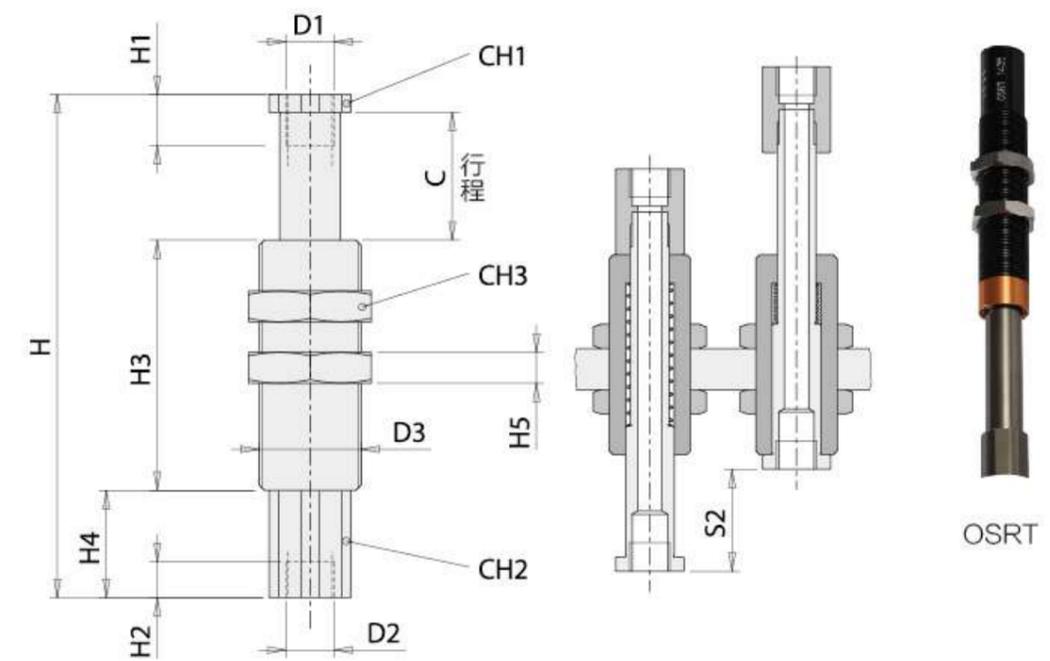
● 伸縮杆 Telescopic rod series

螺紋主體的可旋轉懸件

- 主體和杆由陽極鋁制成;
- 可旋轉杆;
- 壓力範圍: -1 ÷ 8bar;
- FDA-H1食品級潤滑脂。

Threaded-body rotative suspensions

- Body and rod in anodized aluminum;
- Rotative rod;
- Pressure range: -1 ÷ 8bar;
- FDA-H1 food-grade grease.



型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	D1	D2	D3	CH1 (mm)	CH2 (mm)	C (mm)	S2 (mm)	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSR1010	51	6	5	21	17	M5	M5	Φ10	8	8	10	10	0	0.213	1.490	3.619	7	
OSR1025	85.5	6	5	40.5	17	M5	M5	Φ10	8	8	25	25	0	0.085	1.575	3.704	11	
OSR1420	92.5	10	7	38.5	20	G/8"	G/8"	Φ14	12	12	20	20	0	0.268	3.617	8.975	23	
OSR1435	127.5	10	7	58.5	20	G/8"	G/8"	Φ14	12	12	35	35	0	0.150	4.267	9.507	32	
OSR2025	98.5	10	7	49	21	G/8"	G/8"	Φ20	16	16	25	25	0	0.275	4.131	11.02	50	
OSR2050	156	10	7	81.5	21	G/8"	G/8"	Φ20	16	16	50	50	0	0.141	4.308	11.37	77	

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	D1	D2	D3	CH1 (mm)	CH2 (mm)	CH3 (mm)	C (mm)	S2 (mm)	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSRT1010	51	6	5	21	17	3.5	M5	M5	M10X1	8	8	13	10	10	0	0.213	1.490	3.619	11	
OSRT1025	85.5	6	5	40.5	17	3.5	M5	M5	M10X1	8	8	13	25	25	0	0.085	1.575	3.704	16	
OSRT1420	92.5	10	7	38.5	20	4	G/8"	G/8"	M14X1.5	12	12	17	20	20	0	0.268	3.617	8.975	32	
OSRT1435	127.5	10	7	58.5	20	4	G/8"	G/8"	M14X1.5	12	12	17	35	35	0	0.150	4.267	9.507	42	
OSRT2025	98.5	10	7	49	21	6	G/8"	G/8"	M20X1.5	16	16	24	25	25	0	0.275	4.131	11.02	70	
OSRT2050	156	41	7	81.5	21	6	G/8"	G/8"	M20X1.5	16	16	24	50	50	0	0.141	4.308	11.37	104	

≡ 抓取夾持系列

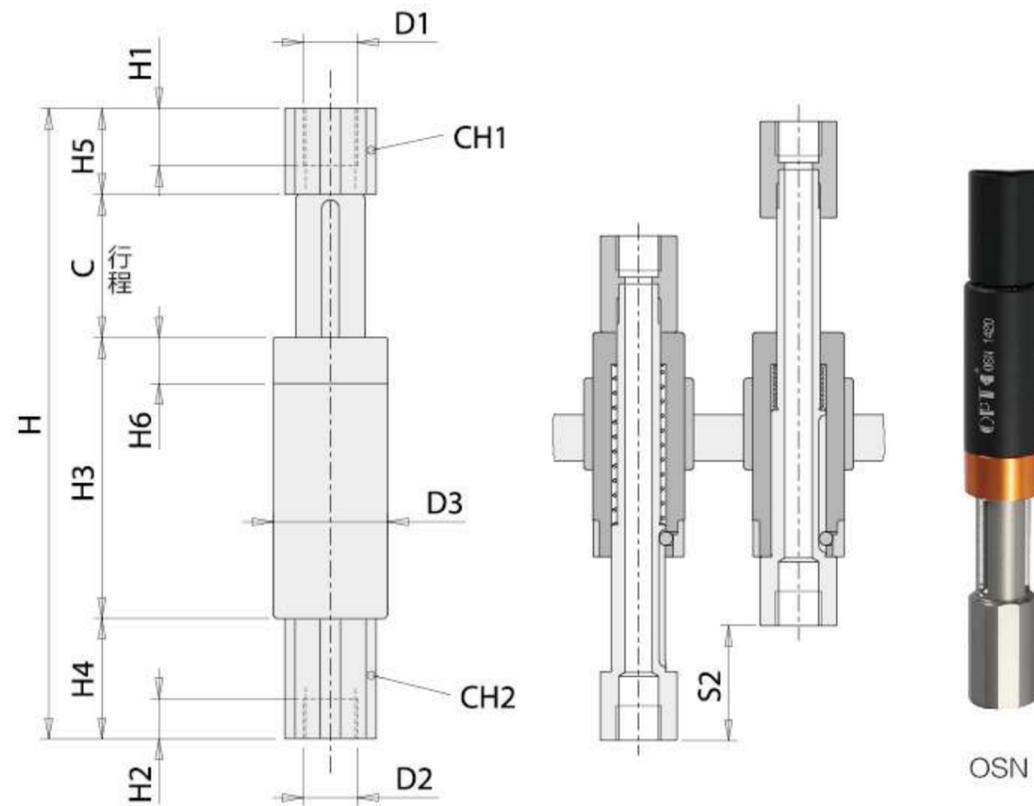
● 伸縮杆 Telescopic rod series

平滑主體的非可旋轉伸縮懸件

- 主體和杆由陽極鋁制成;
- 擁有高負載能力的非可旋轉杆;
- 壓力範圍: -1 + 8 bar;
- FDA-H1食品級潤滑脂。

Smooth-body non-rotative telescopic suspensions

- Body and rod in anodized aluminum;
- Non-rotative rod with high load capability;
- Pressure range: -1 + 8 bar;
- FDA-H1 food-grade grease.



型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)	D1	D2	D3	CH1 (mm)	CH2 (mm)	C (mm)	S2 (mm)	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSN1010	56	6	5	21	17	8	5	M5	M5	Φ10	8	8	10	10	0	0.213	1.490	3.619	7	
OSN1025	90.5	6	5	40.5	17	8	5	M5	M5	Φ10	8	8	25	25	0	0.085	1.575	3.704	11	
OSN1420	98.5	10	7	38.5	20	20	7	G/8"	G/8"	Φ14	12	12	20	20	0	0.268	3.617	8.975	24	
OSN1435	133.5	10	7	58.5	20	20	7	G/8"	G/8"	Φ14	12	12	35	35	0	0.150	4.267	9.507	33	
OSN2025	114	10	7	49	21	15	8	G/8"	G/8"	Φ20	16	16	25	25	0	0.275	4.131	11.02	54	
OSN2050	167.5	10	7	81.5	21	15	8	G/8"	G/8"	Φ20	16	16	50	50	0	0.141	4.308	11.37	80	

≡ 抓取夾持系列

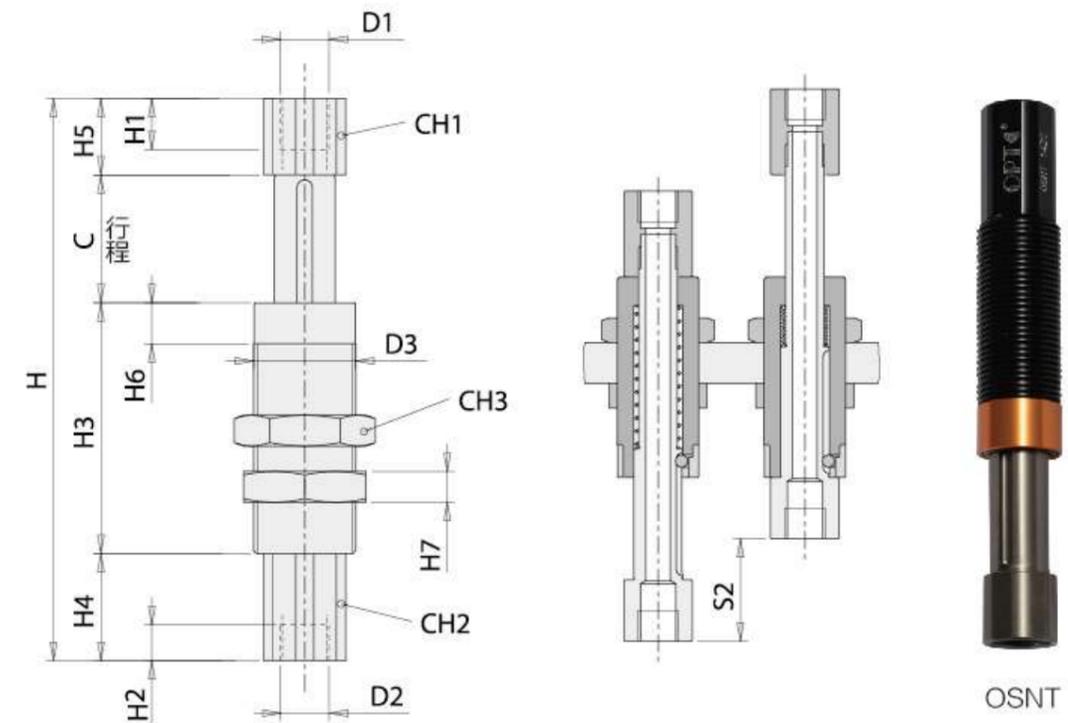
● 伸縮杆 Telescopic rod series

螺紋主體的非可旋轉伸縮懸件

- 主體和杆由陽極鋁制成;
- 擁有高負載能力的非可旋轉杆;
- 壓力範圍: -1 + 8 bar;
- FDA-H1食品級潤滑脂。

Threaded-body non-rotative telescopic suspensions

- Body and rod in anodized aluminum;
- Non-rotative rod with high load capability;
- Pressure range: -1 + 8 bar;
- FDA-H1 food-grade grease.



型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)	H7 (mm)	D1	D2	D3	CH1 (mm)	CH2 (mm)	CH3 (mm)	C (mm)	S2 (mm)	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSNT1010	56	6	5	21	17	8	5	3.5	M5	M5	M10x1	8	8	13	10	10	0	0.213	1.490	3.619	7	
OSNT1025	90.5	6	5	40.5	17	8	5	3.5	M5	M5	M10x1	8	8	13	25	25	0	0.085	1.575	3.704	11	
OSNT1420	98.5	10	7	38.5	20	20	7	3.5	G/8"	G/8"	Φ14	12	12	17	20	20	0	0.268	3.617	8.975	24	
OSNT1435	133.5	10	7	58.5	20	20	7	3.5	G/8"	G/8"	Φ14	12	12	17	35	35	0	0.150	4.267	9.507	33	
OSNT2025	110	10	7	49	21	15	8	3.5	G/8"	G/8"	Φ20	16	16	24	25	25	0	0.275	4.131	11.02	54	
OSNT2050	167.5	10	7	81.5	21	15	8	3.5	G/8"	G/8"	Φ20	16	16	24	50	50	0	0.141	4.308	11.37	80	

伸縮杆系列

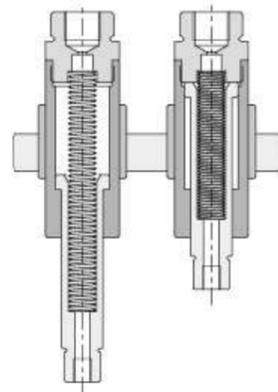
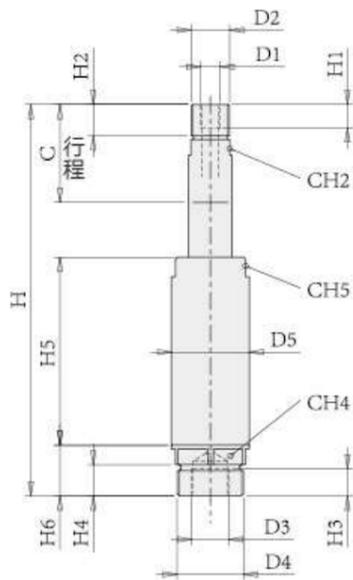
●伸縮杆 Telescopic rod series

自動收縮懸件

- 主體和杆由陽極鋁制成;
- 無密封墊密封;
- 祇用于真空運用;
- 內部活塞的真空吸盤拿起部件時可生產彈簧力并移動杆子;
- 收縮移動的速度可通過標準節流閥進行調節;
- 當真空消失後, 部件被釋放, 內部彈簧將杆復位;
- 壓力範圍: -1+0 bar;
- FDA-H1食品級潤滑脂。

Telescopic self-retracting suspensions

- Body and rod in anodized aluminum;
- Sealing with no seals;
- Only for vacuum applications;
- When the cup takes a part, the vacuum on the internal piston overtakes the spring force and moves the rod up;
- The speed of the retraction movement can be adjusted by a standard throttle valve;
- When the vacuum is removed the part is released and the internal spring resets the rod;
- Pressure range: -1+0 bar;
- FDA-H1 food-grade grease.



OSS

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)	D1	D2	D3	D4	D5	CH2 (mm)	CH4 (mm)	CH5 (mm)	C (mm)	S2 (mm)	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSS2025	100	6	8	8	8	48	13	M5	G1/8"	G1/8"	M17x1	Φ20	10	18	18	25	25	14.5	0.085	1.525	3.642	40	
OSS2050	150	6	8	8	8	73	13	M5	G1/8"	G1/8"	M17x1	Φ20	10	18	18	50	50	14.5	0.052	1.606	4.197	55	

伸縮杆系列

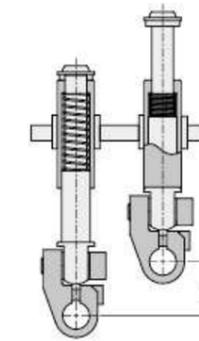
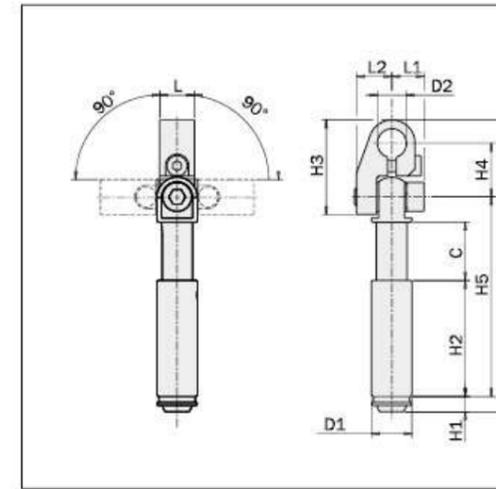
●伸縮杆 Telescopic rod series

平滑主體帶可調節鉗口的非可旋轉懸件

- 可在0° 和+/-90° 之間不斷設置角度;
- 外部供氣;
- 主體和杆由陽極鋁制成;
- 非可旋轉杆;
- FDA-H1食品級潤滑脂。

Non-rotative suspensions with smooth-body and adjustable clamp

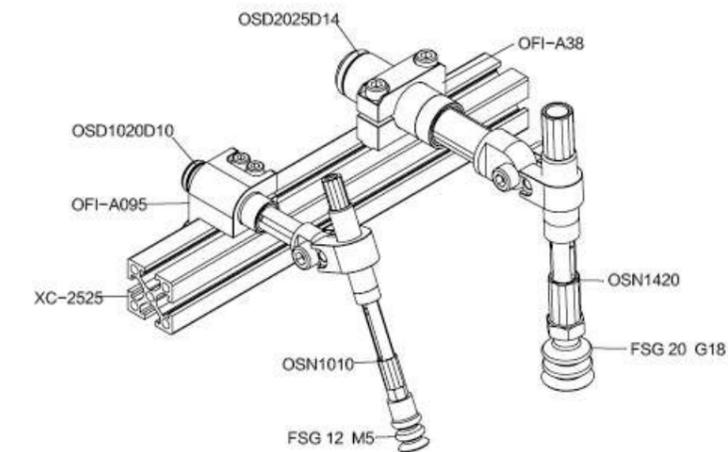
- It is possible to set continuously the angle between 0° and +/-90°;
- External air feeding;
- Body and rod in anodized aluminum;
- Non-rotative rod;
- FDA-H1 food-grade grease.



OSD

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	D1	D2	L (mm)	L1 (mm)	L2 (mm)	C (mm)	S2	D (mm)	K (N/mm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSD1420D10	100.6	5.3	40	32.5	18.5	67.3	Φ14	Φ10	12	11.3	12.3	20	20	0	0.268	3.617	8.975	43	
OSD2025D10	119.8	6.3	50	32.5	18.5	86	Φ20	Φ10	12	11.3	12.3	25	25	0	0.275	4.131	11.02	69	
OSD2025D20	131.8	6.3	50	46.5	25	86	Φ20	Φ20	16	13.5	13.5	25	25	0	0.275	4.131	11.02	85	

運用實例 / Application example



伸縮杆系列

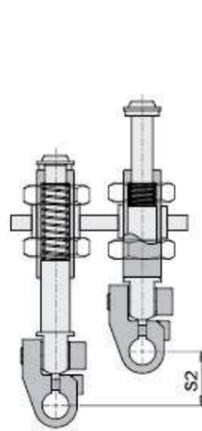
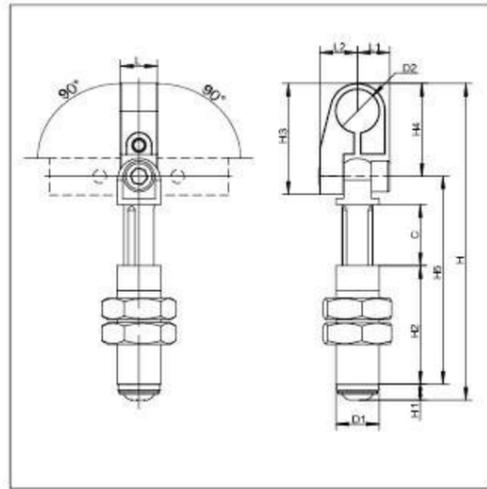
● 伸縮杆 Telescopic rod series

螺紋主體帶可調節鉗口的非可旋轉懸件

- 可在0° 和 +/-90° 之間不斷設置角度;
- 外部供氣;
- 主體和杆由陽極鋁製成;
- 非可旋轉杆;
- FDA-H1食品級潤滑脂。

Non-rotative suspensions with Threaded-body and adjustable clamp

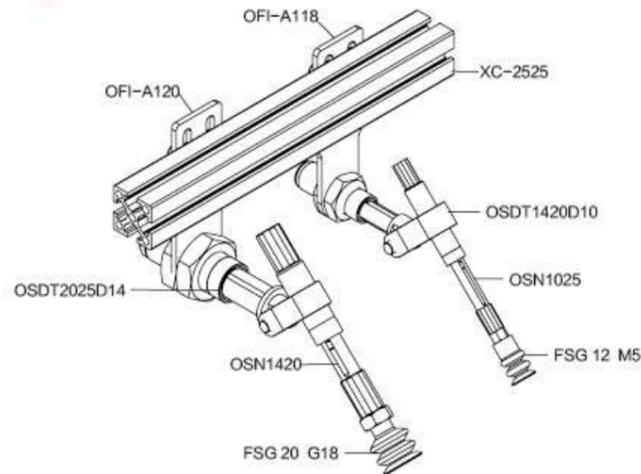
- It is possible to set continuously the angle between 0° and +/-90° ;
- External air feeding;
- Body and rod in anodized aluminum;
- Non-rotative rod;
- FDA-H1 food-grade grease.



OSDT

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	C (mm)	S2 (mm)	D (mm)	K (Nmm)	R1 (N)	R2 (N)	M (g)	單價(元) Price(yuan)
OSDT1420D10	100.6	5.3	40	32.5	18.5	67.3	Φ14	Φ10	12	11.3	12.3	20	20	0	0.268	3.617	8.975	43	
OSDT2025D10	119.8	6.3	50	32.5	18.5	86	Φ20	Φ10	12	11.3	12.3	25	25	0	0.275	4.131	11.02	69	
OSDT2025D20	131.8	6.3	50	46.5	25	86	Φ20	Φ20	16	13.5	13.5	25	25	0	0.275	4.131	11.02	85	

運用實例 / Application example



伸縮杆系列

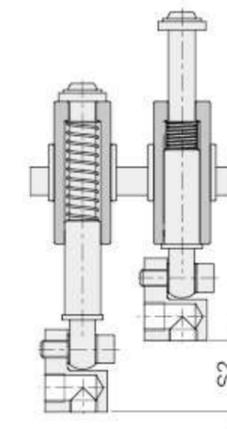
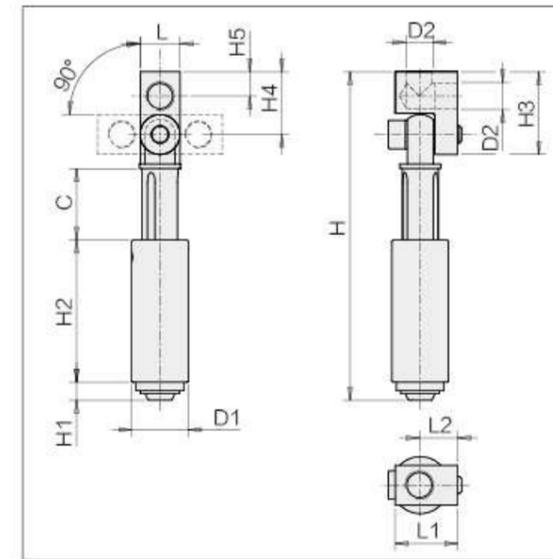
● 伸縮杆 Telescopic rod series

平滑主體的帶集成彎臂的非可旋轉懸件

- 可在0° 和 +/-90° 之間不斷設置角度;
- 外部供氣;
- 主體和杆由陽極鋁製成;
- 擁有高負載能力的非可旋轉杆;
- 壓力範圍: -1 ÷ 8 bar;
- FDA-H1 食品級潤滑脂。

Smooth-body non-rotative suspensions with integral elbow arms

- It is possible to set continuously the angle between 0° and +/-90° ;
- External air feeding;
- Body and rod in anodized aluminum;
- Non-rotative rod with high load capability;
- Pressure range: -1 ÷ 8 bar;
- FDA-H1 food-grade grease.



OSE

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	C (mm)	S2 (mm)	d (mm)	K (mm)	R1 (mm)	R2 (mm)	重量 (Weight)	單價(元) Price(yuan)
OSE1010F05	56.3	3.3	22.5	19	14	5.5	Ø10	M5	10	16.5	11	10	10	0	0.106	0.957	2.020	15g	
OSE1025F05	90.8	3.3	42	19	14	5.5	Ø10	M5	10	16.5	11	25	25	0	0.138	3.100	6.545	20 g	
OSE1420F18	96.1	5.3	40	29	22	8.5	Ø14	G1/8"	14	22	13.5	20	20	0	0.268	3.617	8.975	45 g	
OSE1435F18	131.1	5.3	60	29	22	8.5	Ø14	G1/8"	14	22	13.5	35	35	0	0.150	4.267	9.507	55 g	
OSE2025F18	115.3	6.3	50	29	22	8.5	Ø20	G1/8"	14	22	13.5	25	25	0	0.275	4.131	11.02	70 g	
OSE2025F14	121.3	6.3	50	38	28	12	Ø20	G1/4"	20	27	15	25	25	0	0.275	4.131	11.02	90 g	
OSE2050F18	172.8	6.3	82.5	29	22	8.5	Ø20	G1/8"	14	22	13.5	50	50	0	0.141	4.308	11.37	105 g	
OSE2050F14	178.8	6.3	82.5	38	28	12	Ø20	G1/4"	20	27	15	50	50	0	0.141	4.308	11.37	120g	

伸縮杆系列

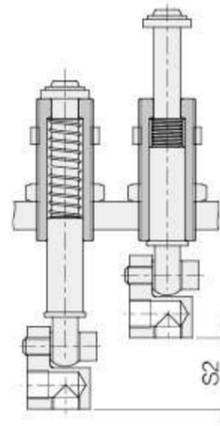
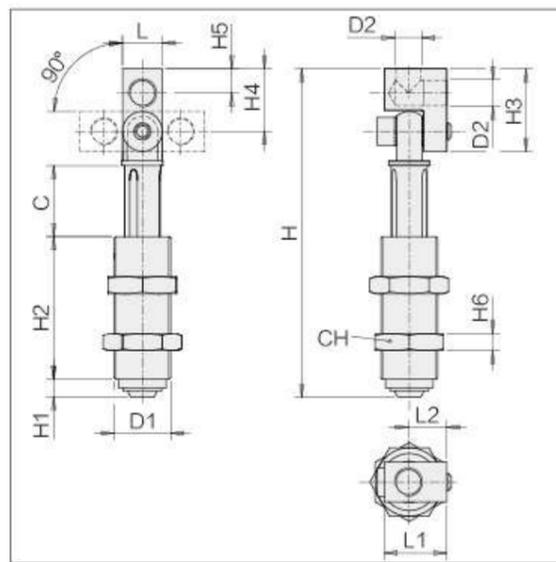
●伸縮杆 Telescopic rod series

螺紋主體的帶集成彎臂的非可旋轉懸件

- 可在 0° 和 +/-90° 之間不斷設置角度。
- 外部供氣。
- 主體和杆由陽極鋁制成。
- 擁有高負載能力的非可旋轉杆。
- 壓力範圍: -1 ÷ 8 bar。
- FDA-H1 食品級潤滑脂。

Threaded-body non-rotative suspensions with integral elbow arms

- It is possible to set continuously the angle between 0° and +/-90°
- External air feeding.
- Body and rod in anodized aluminum.
- Non-rotative rod with high load capability.
- Pressure range: -1 ÷ 8 bar.
- FDA-H1 food-grade grease.



OSET

型號 Model	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	C (mm)	CH (mm)	S2 (mm)	d (mm)	K (mm)	R1 (mm)	R2 (mm)	重量 Weight	單價(元) Price(yuan)
OSET1010F05	56.3	3.3	22.5	19	14	5.5	3.5	M10x1	M5	10	16.5	11	10	13	10	0	0.213	1.490	3.619	18g	
OSET1025F05	90.8	3.3	42	19	14	5.5	3.5	M10x1	M5	10	16.5	11	25	13	25	0	0.085	1.575	3.704	23g	
OSET1420F18	96.1	5.3	40	29	22	8.5	5	M16x1	G1/8"	14	22	13.5	20	19	20	0	0.268	3.617	8.975	57g	
OSET1435F18	131.1	5.3	60	29	22	8.5	5	M16x1	G1/8"	14	22	13.5	35	19	35	0	0.150	4.267	9.507	70g	
OSET2025F18	115.3	6.3	50	29	22	8.5	6	M20x1.5	G1/8"	14	22	13.5	25	24	25	0	0.275	4.131	11.02	88g	
OSET2025F14	121.3	6.3	50	38	28	12	6	M20x1.5	G1/4"	20	27	15	25	24	25	0	0.275	4.131	11.02	109g	
OSET2050F18	172.8	6.3	82.5	29	22	8.5	6	M20x1.5	G1/8"	14	22	13.5	50	24	50	0	0.141	4.308	11.37	125g	
OSET2050F14	178.8	6.3	82.5	38	28	12	6	M20x1.5	G1/4"	20	27	15	50	24	50	0	0.142	4.308	11.37	142g	

NOTES

≡ 浮動打磨機

浮動打磨機 ≡

● 浮動打磨機 Floating sander

● 浮動打磨機 Floating sander

NEW

工業級
Industrial grade



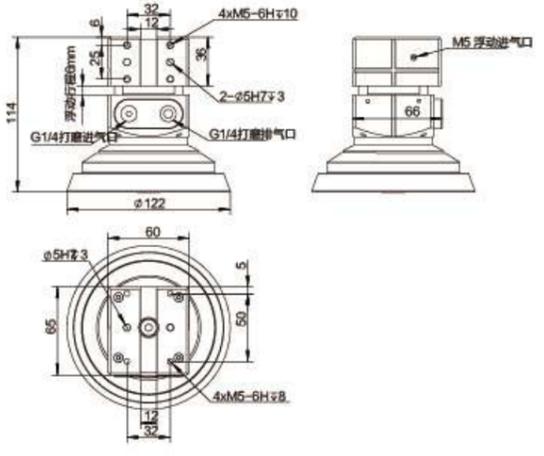
型號 Model	磨盤尺寸SIZE	轉速RPM	偏擺半徑Orbit R	進氣口徑Air Inlet	平均耗氣量CEM	浮動行程 Floating stroke	重量 Weight	單價(元) Price(yuan)
OPT-508FD	5"	10000	4	RC1-4	480L/min	6mm	1.04kg	
OPT-505FD	5"	10000	2.5	RC1-4	480L/min	6mm	1.07kg	
OPT-522FD	5"	10000	1.25	RC1-4	480L/min	6mm	1.01kg	
OPT-515FD	3"	12000	2.5	RC1-4	480L/min	6mm	0.91kg	
OPT-513FD	3"	12000	1.25	RC1-4	480L/min	6mm	0.91kg	
OPT-527NFD	100*72mm	10000	1.25	RC1-4	480L/min	6mm	0.98kg	
OPT-552FD	2"	15000	1.25	RC1-4	400L/min	5mm	0.88kg	
OPT-553FD	3	15000	1.25	RC1-4	400L/min	5mm	0.88kg	
OPT-562FD	2"	3500	0	RC1-4	400L/min	5mm	0.98kg	
OPT-563FD	3"	3500	0	RC1-4	400L/min	5mm	0.98kg	

- 浮動距離5-6mm
- 轉速:3500-15000 rpm
- 型號:OPT505FD-OPT563FD
- 自動研磨拋光工具可與自動化換爪系統結合可使機械手臂更自由更換工具。
- 可裝在機械手臂上研磨工件,或是架在固定位置,由工件移送到工具進行研磨拋光動作。耐用且無需任何潤滑。
- 適用於各種各樣的工件研磨拋光,是機械手最佳去毛邊打磨拋光選擇。

- Floating distance 5-6mm
- Speed: 3500-15000 rpm
- Model: OPT505FD-OPT563FD
- The automatic grinding and polishing tools can be combined with the automatic jaw changing system to allow the robot arm to change tools more freely.
- It can be installed on the robotic arm to grind the workpiece, or set in a fixed position, and the workpiece is transferred to the tool for grinding and polishing. It is durable and does not require any lubrication.
- It is suitable for grinding and polishing a variety of workpieces, and is the best choice for manipulators to remove burrs, grinding and polishing.

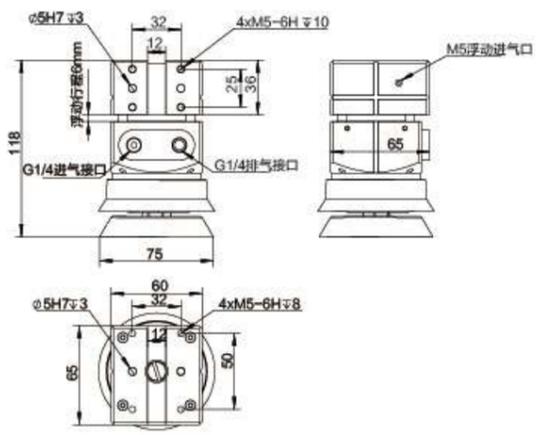
OPT-505FD
OPT-508FD
OPT-522FD





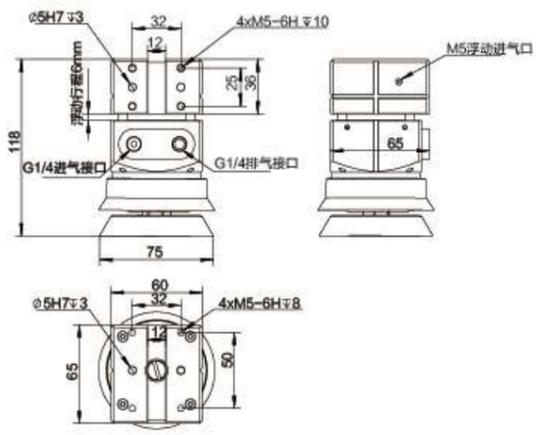
OPT-513FD





OPT-515FD



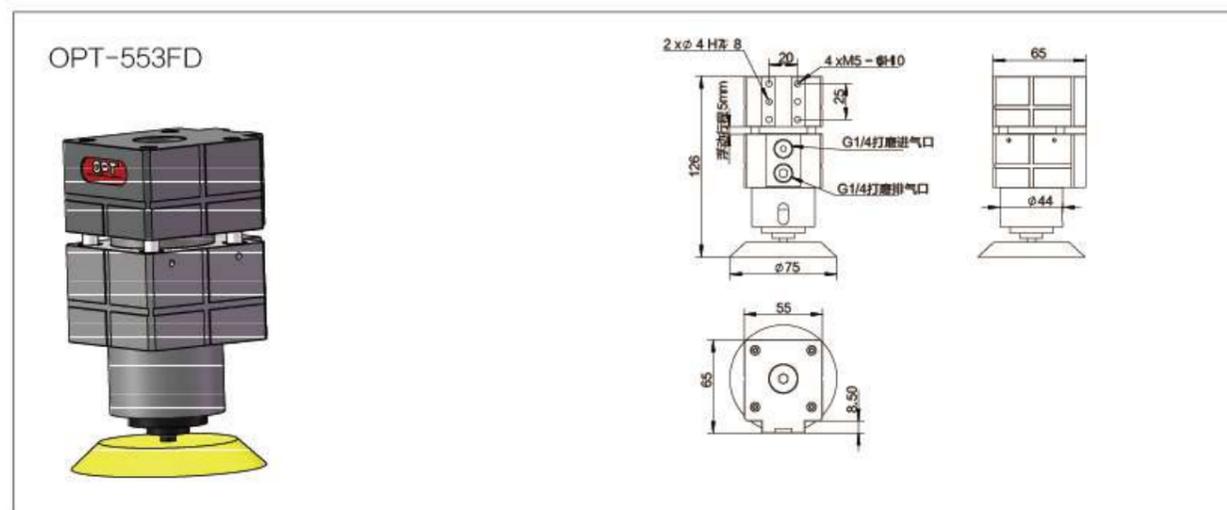
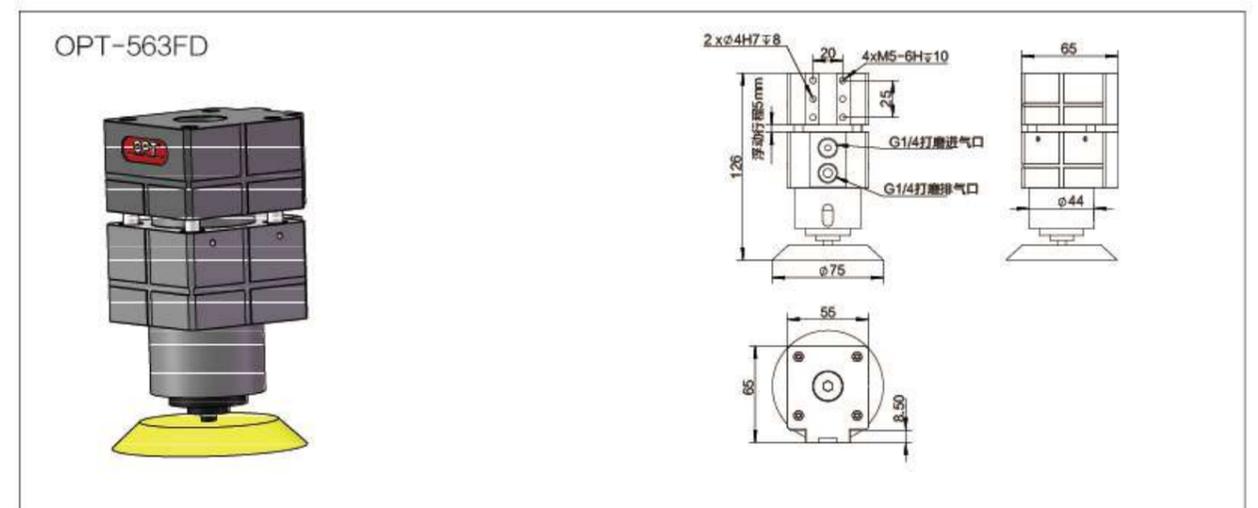
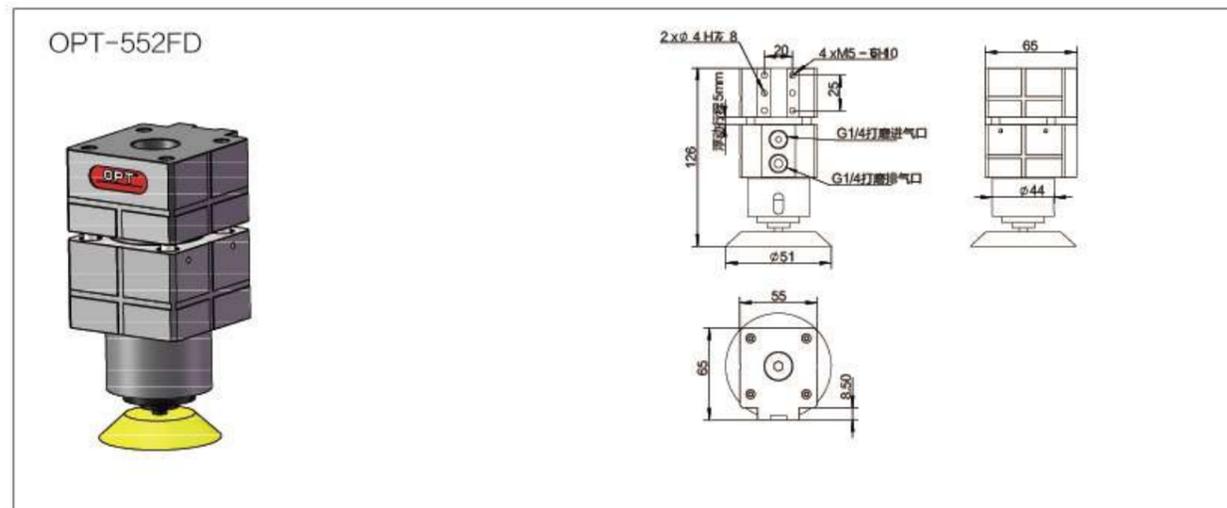
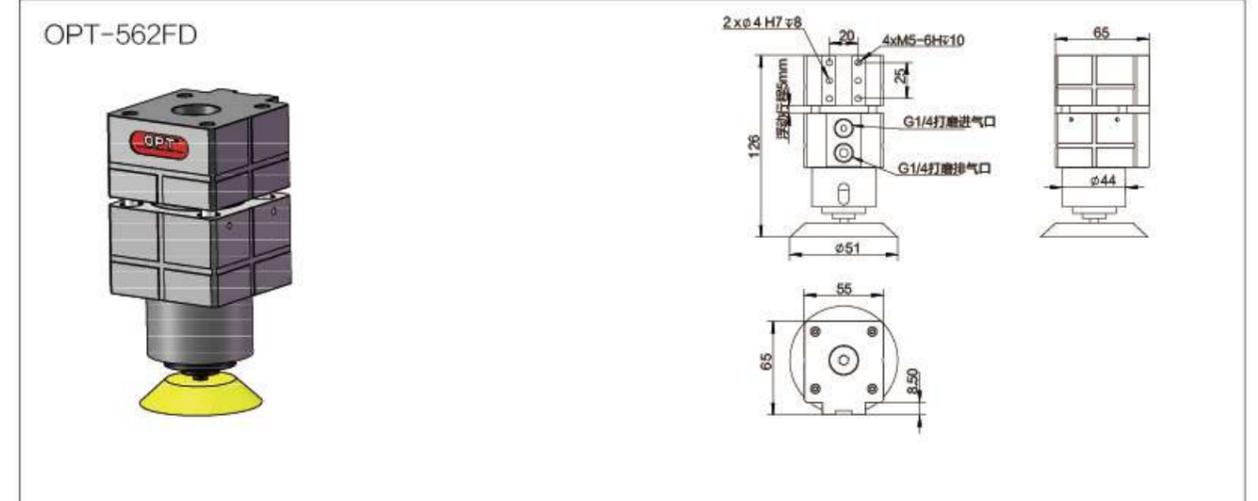
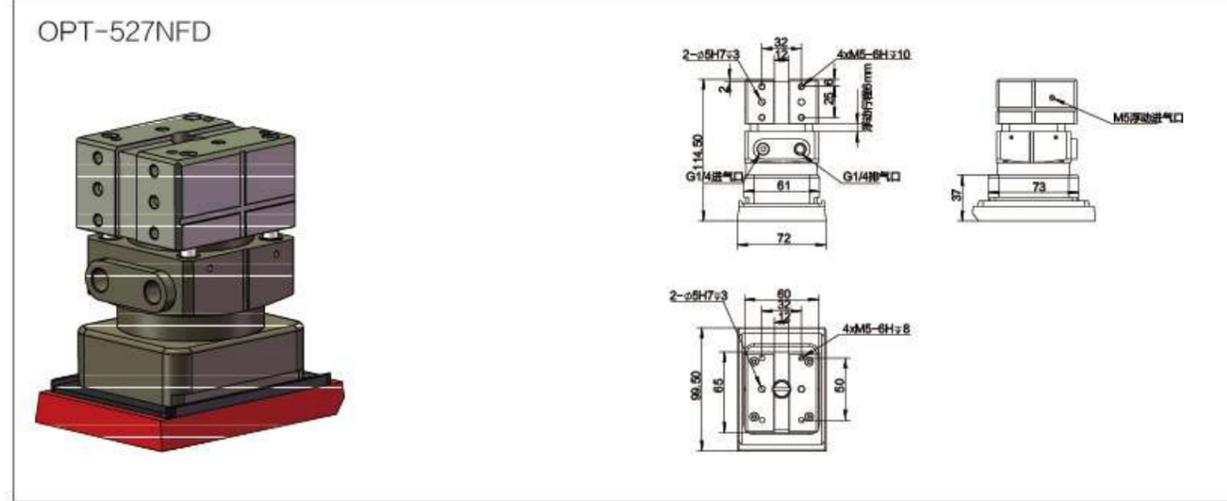


≡ 浮動打磨機

浮動打磨機 ≡

● 浮動打磨機 Floating sander

● 浮動打磨機 Floating sander



≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools

聚乙纖維本體
輕量化設計; 防水、防塵、防銹;
適合各種打磨環境
Polyethylene fiber body
Lightweight design; waterproof, dustproof, rustproof;
Suitable for all kinds of grinding environments

經濟型
Economic type



型號 Model	磨盤尺寸 Size	轉速 RPM	偏擺半徑Orbit R	進氣口徑Air Inlet	平均耗氣量CEM	重量 Weight	單價(元) Price(yuan)
OPT-308	5"	10000	4mm	Rc1/4	480L/min	0.66kg	
OPT-305	5"	10000	2.5mm	Rc1/4	480L/min	0.66kg	
OPT-322	5"	10000	1.25mm	Rc1/4	480L/min	0.66kg	
OPT-315	3"	12000	2.5mm	Rc1/4	480L/min	0.55kg	
OPT-313	3"	10000	1.25mm	Rc1/4	480L/min	0.55kg	
OPT-327	100*72mm	10000	0mm	Rc1/4	400L/min	0.58kg	

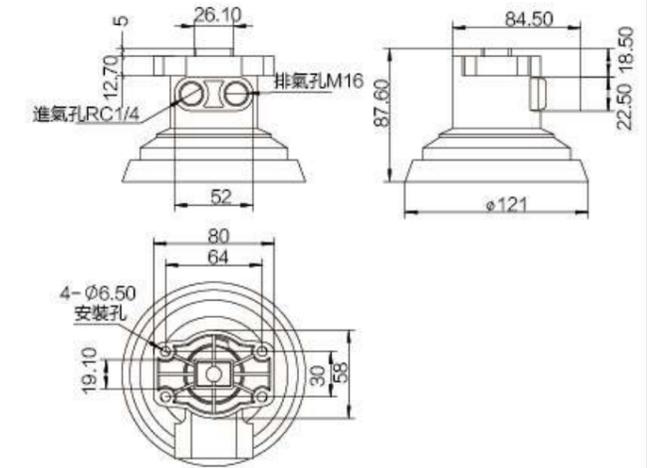
- 轉速: 10000-12000 rpm
- 主軸360° 可偏擺距離: ±2.5MM到±8MM
- 6種型號: OPT308-OPT327
- 自動去毛邊工具可與自動化換爪系統結合可使機械手臂更自由更換工具。
- 可裝在機械手臂上研磨工件,或是架在固定位置,由工件移送到工具進行研磨拋光動作。耐用且無需任何潤滑。
- 適用於各種各樣的工件研磨拋光,是機械手最佳去毛邊打磨拋光選擇。

- Speed: 10000-12000 rpm
- Spindle 360° deflection distance: ±2.5MM to ±8MM
- 6 models: OPT308-OPT327
- The automatic deburring tool can be combined with the automatic jaw changing system to allow the robot arm to change tools more freely.
- It can be installed on the robotic arm to grind the workpiece, or set in a fixed position, and the workpiece is transferred to the tool for grinding and polishing. It is durable and does not require any lubrication.
- It is suitable for grinding and polishing a variety of workpieces, and is the best choice for manipulators to remove burrs, grinding and polishing.

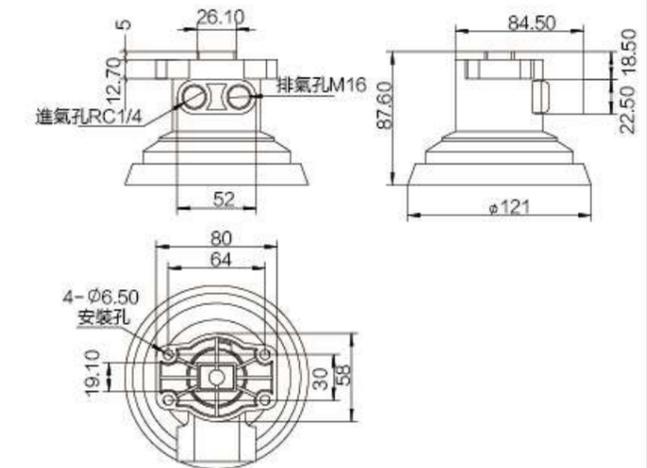
≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools

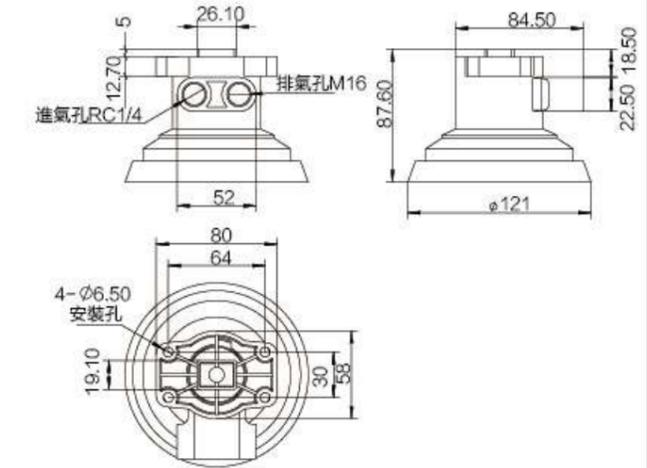
OPT-308 5寸通用



OPT-305 5寸通用

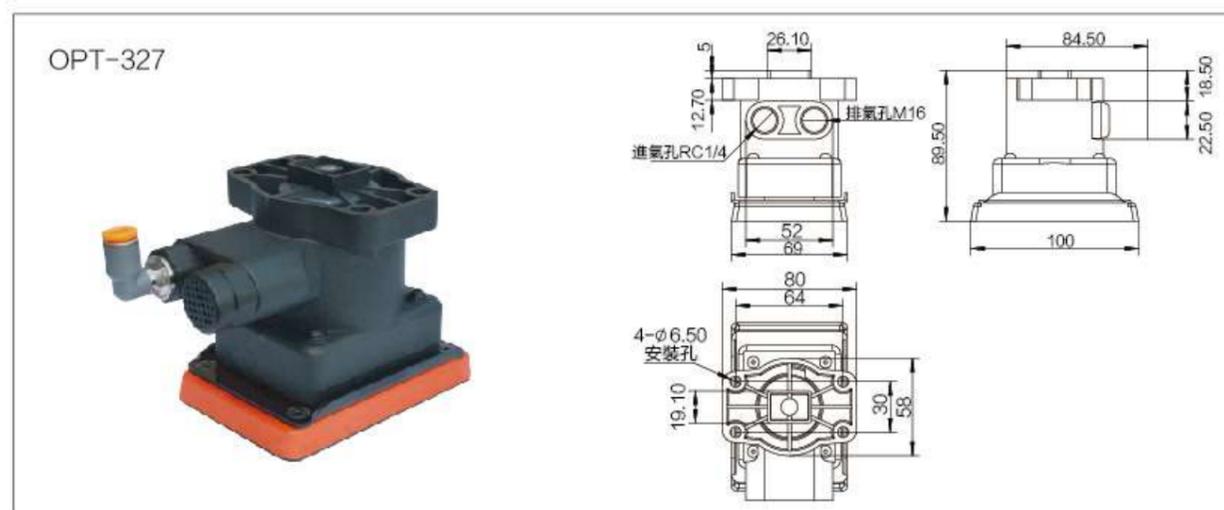
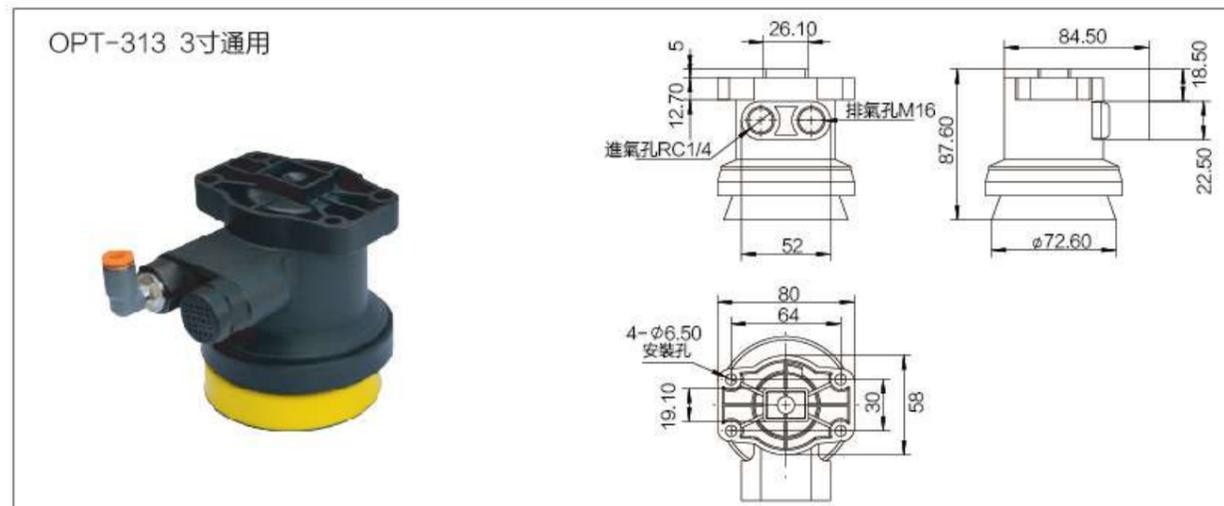


OPT-322 5寸通用



≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools



≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools



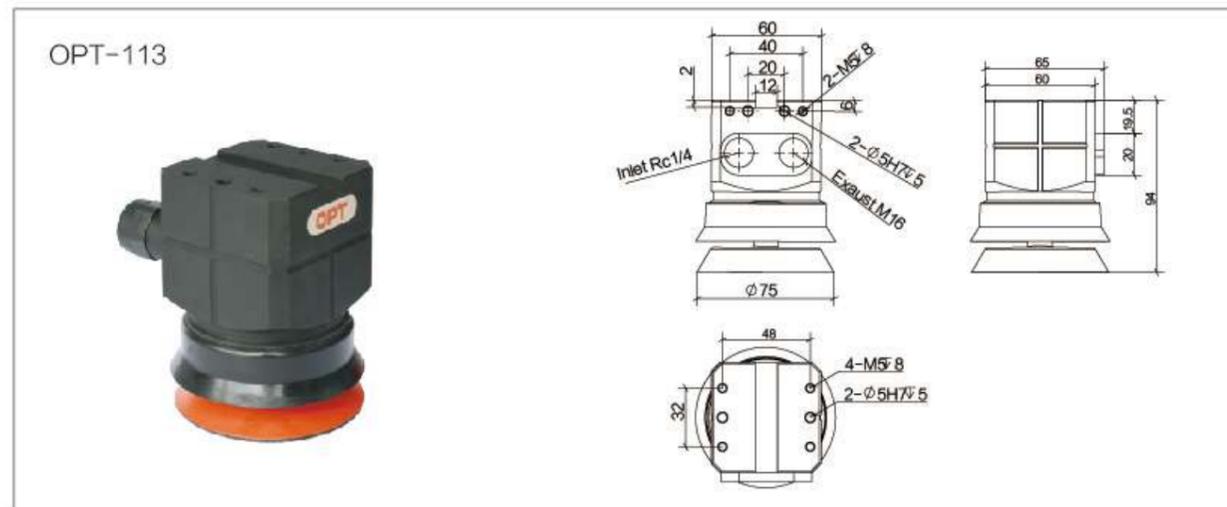
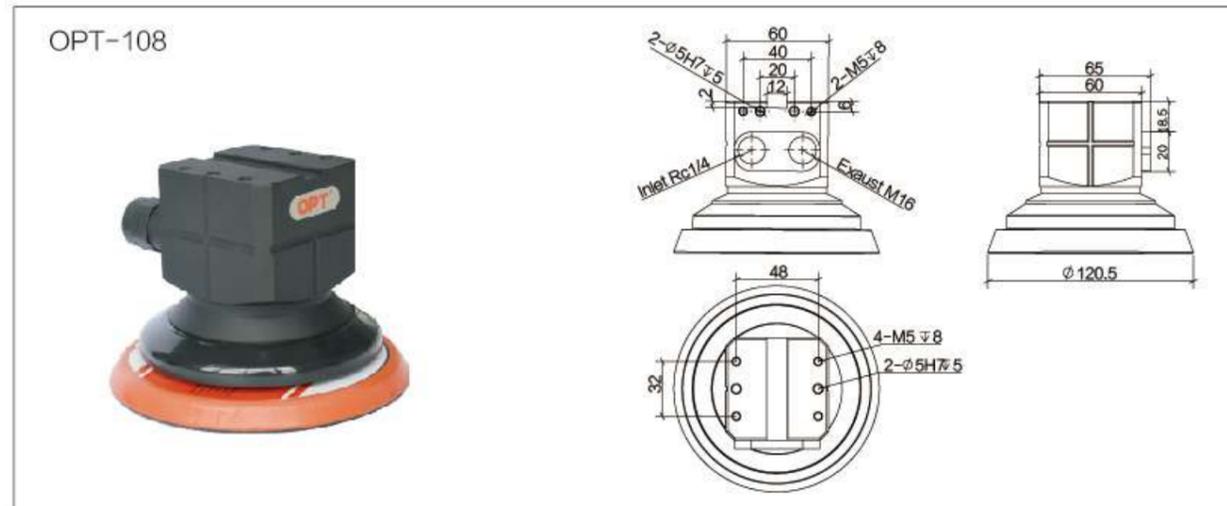
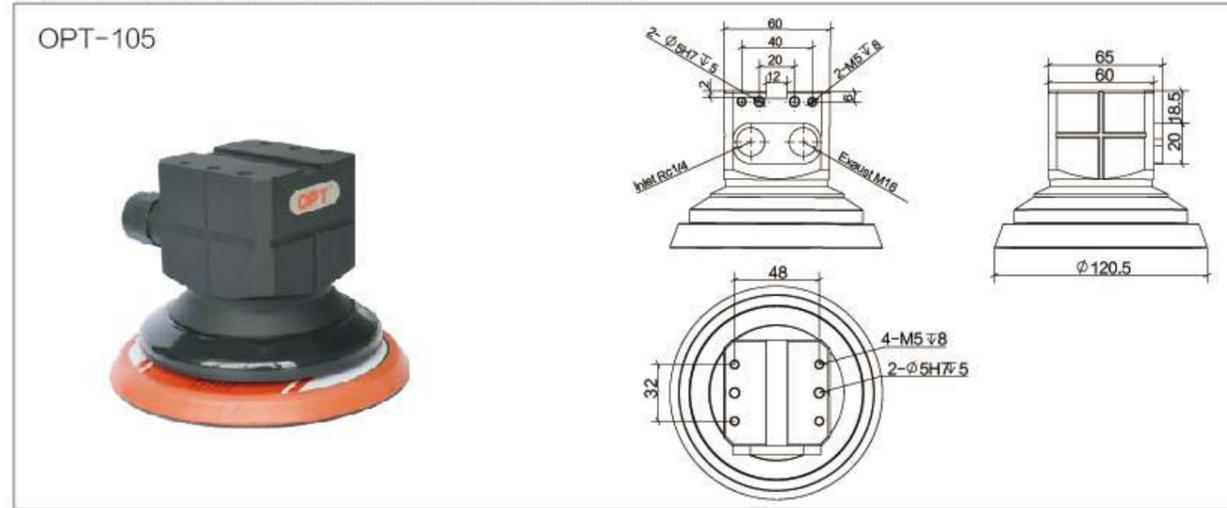
型號 Model	磨盤尺寸SIZE	轉速RPM	偏擺半徑Orbit R	進氣口徑Air Inlet	平均耗氣量CEM	浮動行程 Floating stroke	重量 Weight	單價(元) Price(yuan)
OPT-105	5"	10000	2.5mm	RC1-4	480L/min		0.87kg	
OPT-108	5"	10000	4.0mm	RC1-4	480L/min		0.90kg	
OPT-115	3"	10000	2.5mm	RC1-4	480L/min		0.87kg	
OPT-122	5"	12000	1.25mm	RC1-4	480L/min		0.84kg	
OPT-127N	100*72mm	10000	0	RC1-4	400L/min		0.81kg	
OPT-152	2"	15000	1.25mm	RC1-4	400L/min		0.71kg	
OPT-153	3"	15000	1.25mm	RC1-4	400L/min		0.71kg	
OPT-252	2"	3500	0	RC1-4	400L/min		0.81kg	
OPT-253	3"	10000	0	RC1-4	400L/min		0.81kg	

- 轉速:3500-15000 rpm
- 主軸360° 可偏擺距離:0MM到±4MM
- 型號:OPT105-OPT253
- 自動去毛邊工具可與自動化換爪系統結合可使機械手臂更自由更換工具。
- 可裝在機械手臂上研磨工件,或是架在固定位置,由工件移送到工具進行研磨拋光動作。耐用且無需任何潤滑。
- 適用於各種各樣的工件研磨拋光,是機械手最佳去毛邊打磨拋光選擇。

- Speed: 3500-15000 rpm
- Spindle 360° deflection distance: 0MM to ±4MM
- Model: OPT105-OPT253
- The automatic deburring tool can be combined with the automatic jaw changing system to allow the robot arm to change tools more freely.
- It can be installed on the robotic arm to grind the workpiece, or set in a fixed position, and the workpiece is transferred to the tool for grinding and polishing. It is durable and does not require any lubrication.
- It is suitable for grinding and polishing a variety of workpieces, and is the best choice for manipulators to remove burrs, grinding and polishing.

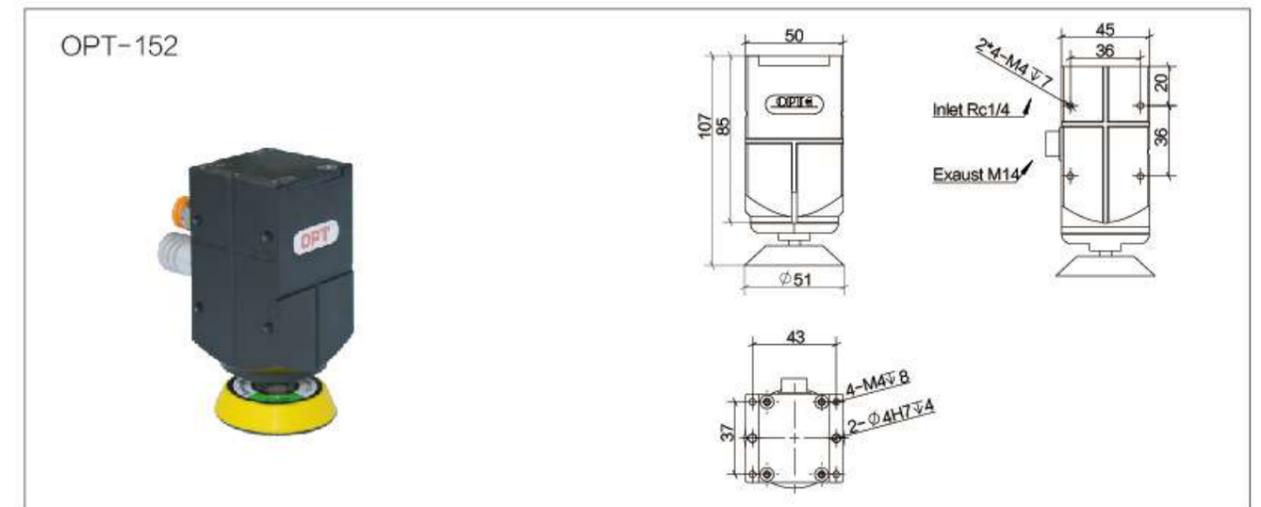
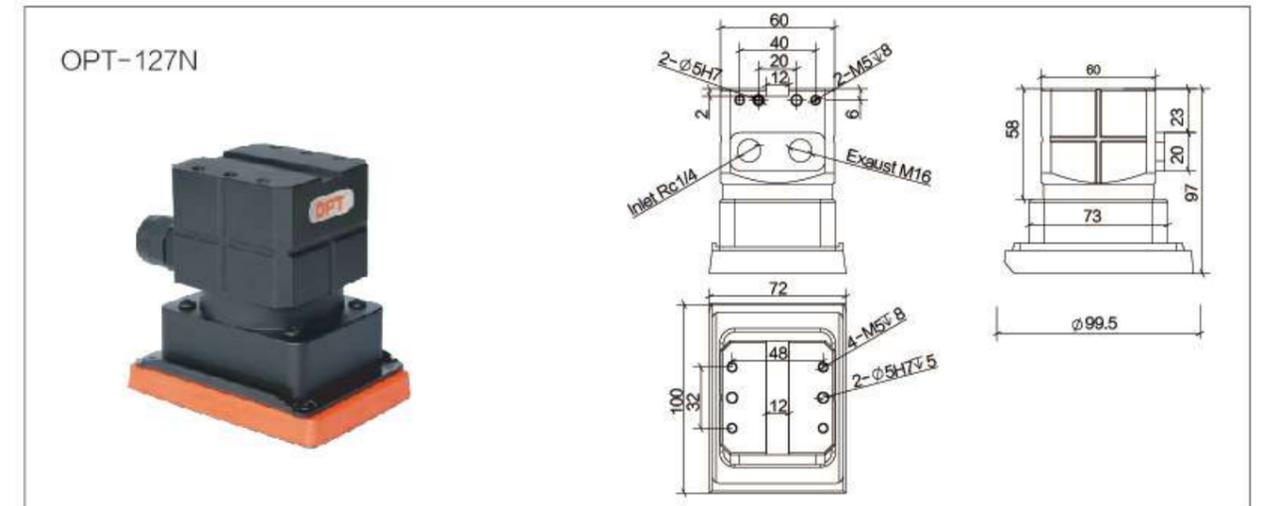
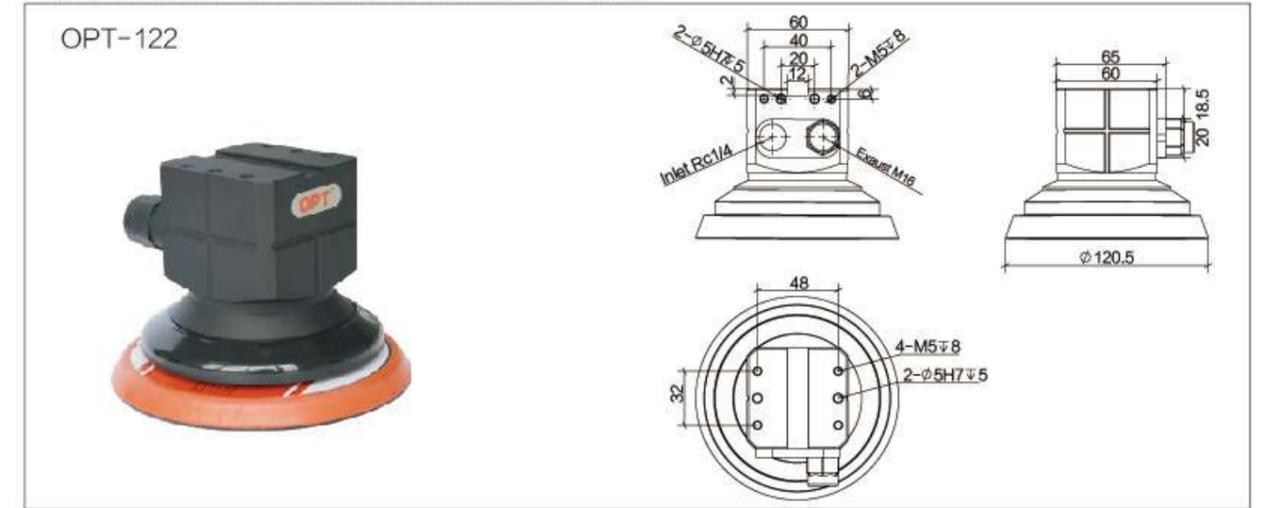
≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools



≡ 手機殼專用打磨拋光機

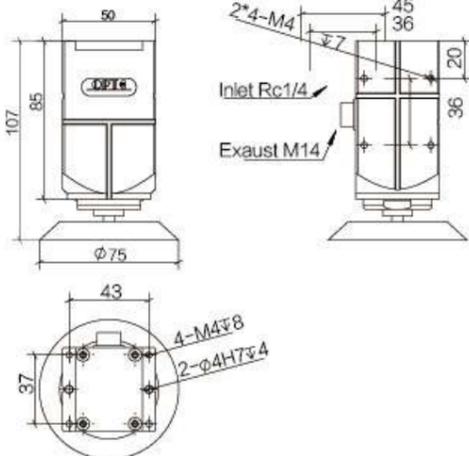
● 機器人打磨拋光工具 Robot grinding and polishing tools



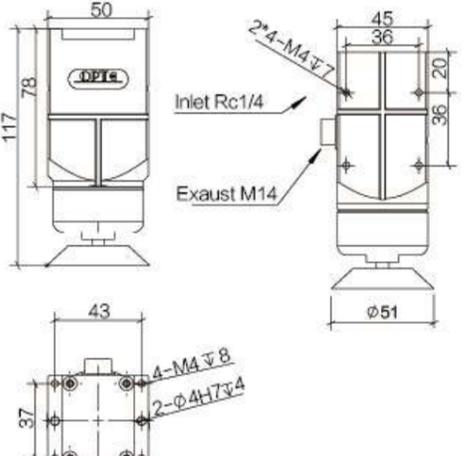
≡ 手機殼專用打磨拋光機

● 機器人打磨拋光工具 Robot grinding and polishing tools(orbital)

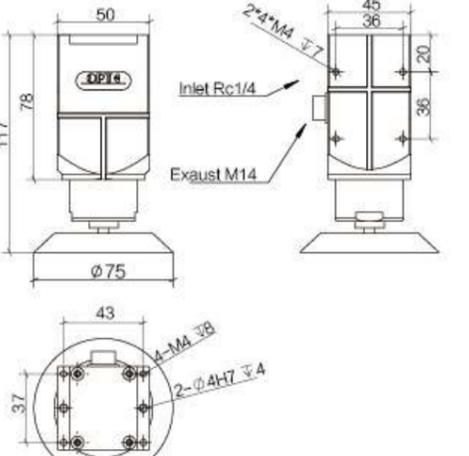
OPT-153

OPT-252

OPT-253

≡ 浮動毛刺處理 ≡

● 浮動打磨機 Floating sander



OP350



OP170

型號 Model	壓縮 空氣 Compressed air	空載 轉速 No-load speed(rpm)	功率 (Watt) Power	徑向 浮動 Radial floating	排氣 方式 Exhaust method	標配ER 夾頭 Standard ER chuck (mm)	ER夾 持能力 ER clamping capacity (mm)	浮動力 範圍 Floating force range (mm)	最大浮 動力 Maximum float power	旋轉 方向 turn around	噪音 範圍 noise range (dB)	耗氣量 Air consumption (l/sec)	供氣管 inside outside (mm)	重量 Weight	單價(元) Price (yuan)
OP170	有油潤滑	15000	800	±4°	前端	6	3 5 6 10	25-110N	200N	順時針	82	15	6 8	5.15kg	
OP350	有油潤滑	35000	300	±4°	前端	6	3 4 5	8-55N	200N	順時針	79	8.3	6 8	1.8kg	

以上參數工作在6Bar壓力下。壓縮空氣潤滑：每分鐘2-3滴。根據技術更改
Power and free speed at 6 bar operating pressure. Compressed air quality: lubricated.

≡ 浮動毛刺處理

浮動毛刺處理 ≡

● 氣動主軸 Pneumatic spindle



型號 Model	空載 轉速 No-load speed(rpm)	功率 (Watt) Power	夾頭 chuck (mm)	螺母/螺程 Nut/thread	旋轉 方向 turn around	排氣方式 Exhaust method	噪音範圍 Noise range dB(A)	耗氣量 Air consumption (l/sec)	連接管 Connecting pipe (dB)	供氣管 inside outside (mm)	重量 Weight	單價(元) Price (yuan)
OP305	40000	350W	1-6	B10	右側旋轉	後端	71	5	-	8	0.62kg	

以上參數工作在6Bar壓力下。壓縮空氣潤滑：每分鐘2-3滴。根據技術更改。
Power and free speed at 6 bar operating pressure. Compressed air quality: lubricated.

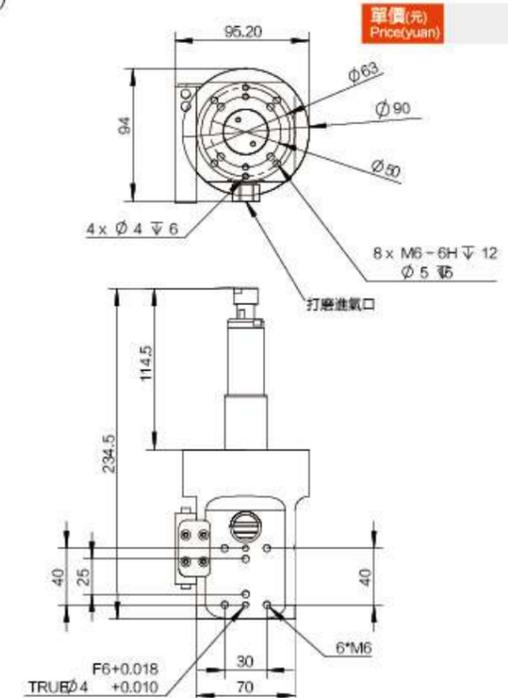


型號 Model	空載轉速 No-load speed(rpm)	功率 (Watt) Power	旋轉方向 turn around	排氣方式 Exhaust method	耗氣量 Air consumption (l/sec)	供氣管 inside outside (mm)	重量 Weight	單價(元) Price (yuan)
OP306	25000	600	順時針	側向	0.45	8	2.3kg	

以上參數工作在6Bar壓力下。壓縮空氣潤滑：每分鐘2-3滴。根據技術更改。
Power and free speed at 6 bar operating pressure. Compressed air quality: lubricated.

● ORC系列

機器人去毛邊工具 (XY軸浮動)
RC robotic and cnc deburring tool (radially-compliant)



參數說明 / Parameter Description

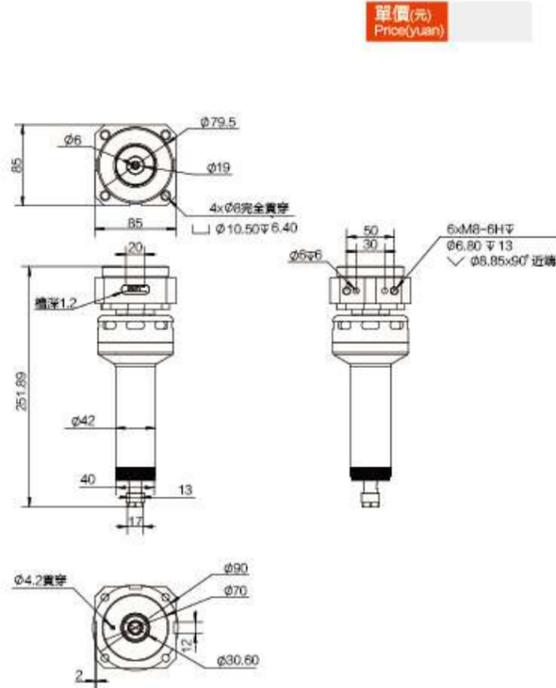
- 轉速: 40000-65000 rpm
- 主軸360° 可浮動距離: ± 5MM到 ± 9MM
- 4種型號: ORC151-ORC660
- 自動去毛邊工具可與自動化換爪系統結合可使機械手臂更自由更換工具。
- 可裝在機械手臂上研磨工件,或是架在固定位置,由工件移送到工具進行去毛邊動作。
- 須搭配電空比例閥才可精確控制主軸浮動位置。
- 適用於各種各樣的工件研磨拋光, 是機械手最佳去毛邊打磨拋光選擇。
- Speed : 40000 - 65000rpm
- Radial compliance 360° of movement: ± 5MM- ± 9MM
- Four types from: ORC151-ORC660
- Automatic deburring tools could be combined with tool changer for easier application on robotic arm
- Could be assembled on robotic arm for grinding work piece or fixing the deburring tool on a specific area to deburr by moving workpiece.
- The electro - pneumatic proportional valve is needed to precisely control the position of the spindle.
- Flexible to grind the burr, durable and no needs any lubrication. Suitable for any deburring application, your best choice.



≡ 浮動毛刺處理

● ORC系列

ORC-750



參數說明 / Parameter Description

- 轉速: 40000rpm
- 主軸360° 可浮動距離: $\pm 5\text{mm}$
- 耗氣量: $0.34\text{mm}^3/\text{min}$
- 使用壓力: 0.6MPa
- 功率: 350W
- 浮動壓力: 0.015~0.2MPa
- 自動去毛邊工具可與自動化換爪系統結合可使機械手臂更自由更換工具。
- 可裝在機械手臂上研磨工件,或是架在固定位置,由工件移送到工具進行去毛邊動作。
- 須搭配電空比例閥才可精確控制主軸浮動位置。
- 適用於各種各樣的工件研磨拋光,是機械手最佳去毛邊打磨拋光選擇。
- Speed: 40000rpm
- Floatable distance of spindle 360° : $\pm 5\text{mm}$
- Air consumption: $0.34\text{mm}^3/\text{min}$
- Working pressure: 0.6MPa
- Power: 350W
- Floating pressure: 0.015~0.2MPa
- The automatic deburring tool can be combined with the automatic jaw changing system to allow the robot arm to change tools more freely.
- It can be installed on the robotic arm to grind the workpiece, or set in a fixed position, and the workpiece is transferred to the tool for deburring.
- It must be matched with an electro-pneumatic proportional valve to accurately control the floating position of the spindle.
- It is suitable for grinding and polishing a variety of workpieces, and is the best choice for manipulators to remove burrs, grinding and polishing.



≡ 浮動毛刺處理

● CR系列 CR series

浮動毛刺去除披鋒刀
Floating burr to remove the knives

單價(元)
Price(yuan)



- 使用壓力: 0.05~0.2MPa
- 浮動距離: $\pm 5\text{mm}$
- 可與自動換爪系統結合,使機械手臂更自由更換工具。
- 專利浮動主軸設計,浮動力控制更精準,反饋更迅速。
- 配置陶瓷刀片,刀片更鋒利、更耐用。
- 可搭配電氣比例閥實現智能浮動力控。
- Usage pressure: 0.05~0.2mpa
- Floating distance: $\pm 5\text{mm}$
- It can be combined with automatic Jaw change system, and it is more free to change tool for mechanical arm.
- Patented floating spindle design, floating power control more accurate, feedback more quickly.
- Equipped with ceramic blade, the blade is sharper and more durable.
- It can be equipped with electric proportional valve to realize intelligent floating power control.

運用實例 / Application example



快換裝置

快換裝置

快換 Quick change

概述

- 用於在機器人和EOAT之間的快速切換裝置;
- 機器人側和治具側分開提供;
- 能夠實現機器人的功能多元化, 縮短作業準備時間, 幫助提高生產效率;
- 4、6、8、9、10或12個氣路連接;
- 重複位置再現精度;
- 允許位置誤差;
- 機械式故障保險機構;

Overview

- Used for fast switching device between robot and EOAT;
- The robot side and the fixture side are provided separately;
- It can realize the diversification of robot functions, shorten the preparation time of operations, and help improve production efficiency;
- 4, 6, 8, 9, 10 or 12 pneumatic connections;
- Repeated position reproduction accuracy;
- Allow position error;
- Mechanical fail-safe mechanism;



協作機械人專用 (OQE系列)
載重: 20-30kg 2種規格



六軸機械人專用 (OQC系列)
載重: 5-500kg 12種規格



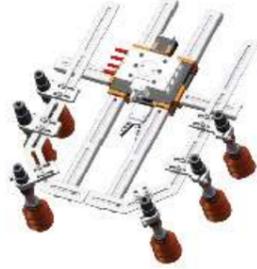
手動快換 (OC系列)
載重: 3-75kg 5種規格



協作機械手專用 (OX-SBS/SB/LB)
載重: 5-30kg 3種規格



機械手治具快換 (OX-SBDI/XB/LBDI)
載重: 10-40kg 3種規格



OCX-92機械手專用快換盤

型號訂購碼

OQE	-	005	-	A																								
<p>類型</p> <p>OQE: 協作機器人快換</p> <p>OQC: 工業機器人快換</p> <p>OX: 機械手協作/治具快換</p> <p>OC: 手動快換</p>		<p>載重</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">005: 5kg</td> <td style="width: 50%;">50: 3kg</td> </tr> <tr> <td>011: 10kg</td> <td>90: 10kg</td> </tr> <tr> <td>015: 15kg</td> <td>150: 30kg</td> </tr> <tr> <td>020: 20kg</td> <td>160: 30kg</td> </tr> <tr> <td>030: 30kg</td> <td>200: 200kg</td> </tr> <tr> <td>027: 30kg</td> <td>SBS: 5kg</td> </tr> <tr> <td>040: 40kg</td> <td>SB: 10kg</td> </tr> <tr> <td>060: 60kg</td> <td>SBDI: 10kg</td> </tr> <tr> <td>076: 80kg</td> <td>XB: 20kg</td> </tr> <tr> <td>110: 150kg</td> <td>LB: 30kg</td> </tr> <tr> <td>160: 270kg</td> <td>LBDI: 40kg</td> </tr> <tr> <td>501: 500kg</td> <td></td> </tr> </table>	005: 5kg	50: 3kg	011: 10kg	90: 10kg	015: 15kg	150: 30kg	020: 20kg	160: 30kg	030: 30kg	200: 200kg	027: 30kg	SBS: 5kg	040: 40kg	SB: 10kg	060: 60kg	SBDI: 10kg	076: 80kg	XB: 20kg	110: 150kg	LB: 30kg	160: 270kg	LBDI: 40kg	501: 500kg			<p>公母盤</p> <p>A: 公盤</p> <p>B: 母盤</p>
005: 5kg	50: 3kg																											
011: 10kg	90: 10kg																											
015: 15kg	150: 30kg																											
020: 20kg	160: 30kg																											
030: 30kg	200: 200kg																											
027: 30kg	SBS: 5kg																											
040: 40kg	SB: 10kg																											
060: 60kg	SBDI: 10kg																											
076: 80kg	XB: 20kg																											
110: 150kg	LB: 30kg																											
160: 270kg	LBDI: 40kg																											
501: 500kg																												

電氣模塊 Electrical modules

概述

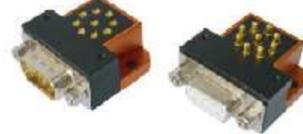
- 觸點探頭式;
- 2、4、8、9、10、12、19或23Pin信號通道;
- 2, 4, 8, 9, 10, 12, 19 or 23Pin signal channel;
- 機器人側和治具側分開提供;

Overview

- Contact probe type;
- 2, 4, 8, 9, 10, 12, 19 or 23Pin signal channel;
- The robot side and the Gripper side are provided separately;



直型連接器



OX連接器



L型連接器



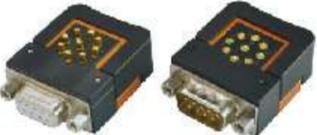
T型連接器



模塊型連接器



OQE連接器



OC連接器

型號訂購碼

PT	-	S	-	Z	-	01	-	8P	-	A
<p>快換連接器</p>		<p>類型</p> <p>S: 直型連接器</p> <p>X: OX連接器</p> <p>L: L型連接器</p> <p>TL: T型向左連接器</p> <p>TR: T型向右連接器</p> <p>M: 模塊型連接器</p> <p>E: OQE連接器</p> <p>C: OC連接器</p>		<p>連接線</p> <p>Z: 快換連接線</p> <p>無: 快換連接器</p>		<p>使用電流</p> <p>01: 1A</p> <p>02: 2A</p> <p>05: 5A</p> <p>20: 20A</p>		<p>連接器針數</p> <p>2P: 2針</p> <p>4P: 4針</p> <p>8P: 8針</p> <p>9P: 9針</p> <p>10P: 10針</p> <p>12P: 12針</p> <p>19P: 19針</p> <p>23P: 23針</p>		<p>公母盤</p> <p>A: 公盤盤</p> <p>B: 母盤盤</p>

快換裝置

快換模塊 Quick change module

概述

- 適配M5、G1/8 或G3/8螺紋氣接頭;
- 4、6、8、9、10或12個氣路連接;
- 流體為不含水、油等物質的清潔空氣;
- 機器人側和治具側分開提供;

Overview

- Adapt to M5, G1/8 or G3/8 threaded air connector;
- 4, 6, 8, 9, 10 or 12 pneumatic connections;
- The fluid is clean air without water, oil and other substances;
- The robot side and the Gripper side are provided separately;



流體模塊



流體模塊



氣模塊



氣模塊



氣模塊

型號訂購碼

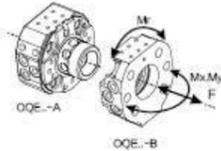
PM	-	LT	-	01	-	A
快換模塊		類型		氣孔		公母模塊
		LT: 流體模塊		01: 1孔		A: 公模塊
		QMK: 氣模塊		02: 2孔		B: 母模塊
				04: 4孔		
				06: 6孔		
				12: 12孔		

快換裝置

協作機器人快換 Collaborative robot quick change

OQE-020自動快切換 OQE-020 automatic fast switching

- 載重20KG; Payload capacity 20KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 體積小重量輕; Small volume light weight
- 採用預設彈簧力自鎖保護; Self-locking protection with preset spring force
- 鎖緊鬆開動作信號反饋(磁性開關); Lock and release action signal feedback(Magnetic switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (photoelectric switch);

規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	20 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	58.5Nm
		扭矩方向 Torque direction (Mr)	81Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2100N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)		
	產品重量 Product weight	主盤 Main disc	0.26kg
		工具盤 Tool disc	0.12kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 6個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal 2A x 9PIN	

快換裝置

● 協作機器人快換 Collaborative robot quick change

QOE020-A (機械手端 Robot side)

QOE020-B (治具端 Gripper side)

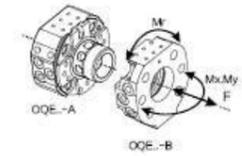
安裝說明 / *Installation Description*

快換裝置

● 協作機器人快換 Collaborative robot quick change

QOE-030自動快切換 QOE-030 automatic fast switching

- 載重32KG; Payload capacity 32KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 體積小重量輕; Small volume light weight
- 採用預設彈簧力自鎖保護; Self-locking protection with preset spring force
- 鎖緊鬆開動作信號反饋(磁性開關); Lock and release action signal feedback(Magnetic switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (photoelectric switch);



規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	32 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	88Nm
		扭矩方向 Torque direction (Mr)	110Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	3200N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)		
	產品重量 Product weight	主盤 Main disc	0.4kg
		工具盤 Tool disc	0.5kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 6個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 9PIN

快換裝置

快換裝置

● 協作機器人快換 Collaborative robot quick change

QQE-030-A (機械手端 Robot side)

QQE-030-B (治具端 Gripper side)

安裝說明 / **Installation Description**

磁控開關 Photoelectric switch IN58-NP-NP-P
 電氣模塊 Electrical module PTE02-9P-A
 電氣模塊 Electrical module PTE02-9P-B
 單氣氣接頭 Single gas connector AP-500200R20
 磁控開關 Magnetic switch OSF205M-NP-NP-P
 治具存儲 Fixture storage QQE-1S
 L型氣接頭 L-type connector PL5

● 電氣模塊 Electrical modules

PTE02-9P-A PTE02-9P-B

PTEZ01-9P-A

接線圖 wiring plan

型號 Model	I/O連接類型 I/O connection type	工作電流 Working Current	T分解電壓 Break down voltage	溫度範圍 Temperature range	接觸 Contact	適用於 This only suit for	單價(元) Price(yuan)
PTE02-9P-A	19針D-SUB高密電頭型-VGA類型	2A	24V	-55°C ~ +105°C	鍍金 Gold plated	QQE-020 QQE-030	
PTE02-9P-B	19針D-SUB高密電頭型-VGA類型						

型號 Model	I/O連接類型 I/O connection type	線纜長度 Cable length	絕緣體 Insulation	屏蔽 temperature range	護套 Sheath	溫度範圍 Temperature range	電壓範圍 Voltage range	最高電流 Sheath	適用於 This only suit for	單價(元) Price(yuan)
PTEZ01-9P-A	19針D-SUB高密電頭型-VGA類型	3M	PVC	100%鋁-聚酯薄膜 -28至26AWG	PVC	-55°C ~ +105°C	0~250 Vac	0.5 A	QQE-020 QQE-030	
PTEZ01-9P-B	19針D-SUB高密電頭型-VGA類型	1.5M		100%鋁-Mylar foil -28 to 26 SWG						

快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

QQC-005自動快切換 QQC-005 automatic fast switching

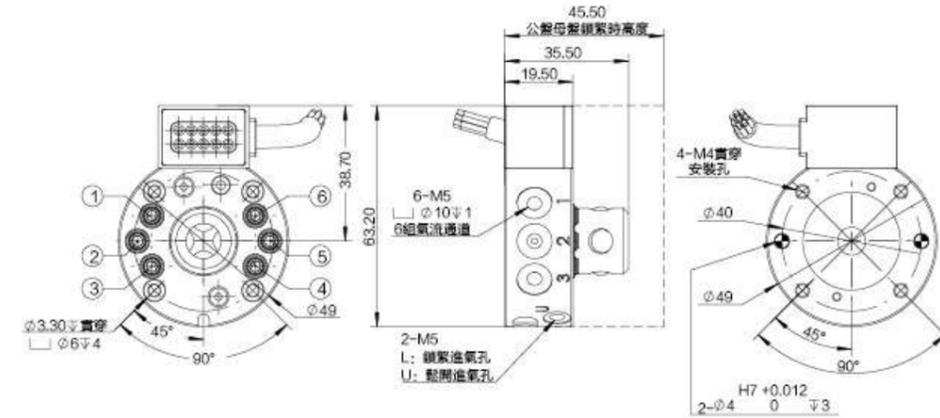
- 載重5KG; Payload capacity 5 KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。
Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



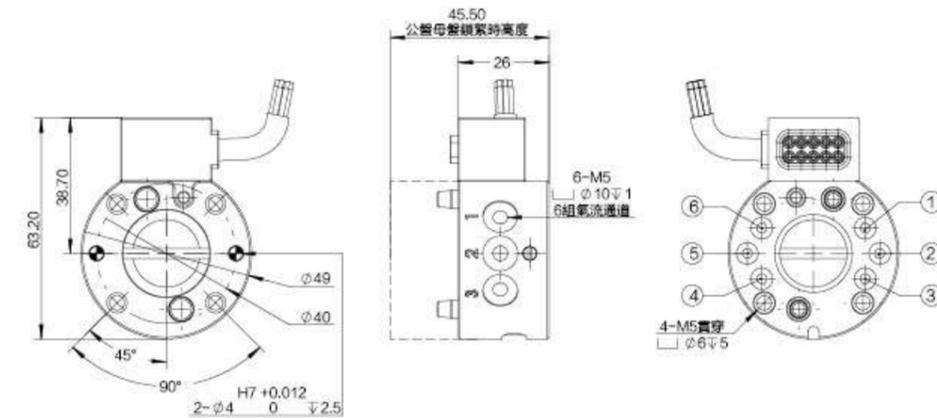
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	5 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	12.2Nm
		扭矩方向 Torque direction (Mr)	16.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	628N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)		
	產品重量 Product weight	主盤 Main disc	0.12kg
		工具盤 Tool disc	0.11kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 6個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 10PIN

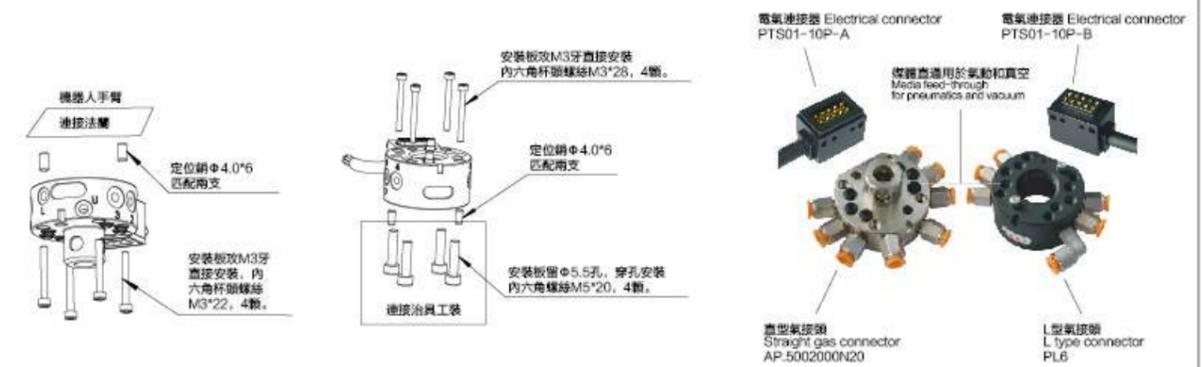
QQC-005-A (機械手端 Robot side)



QQC-005-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-011自動快切換 OQC-011 automatic fast switching

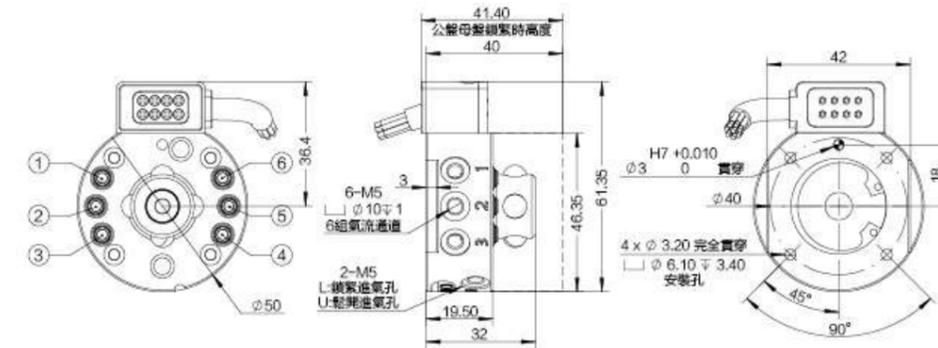
- 載重10KG; Payload capacity 10 KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離。
- Mechanical fault insurance mechanism,even if the main disc dies unexpectedly,it will not separate with tool disc.



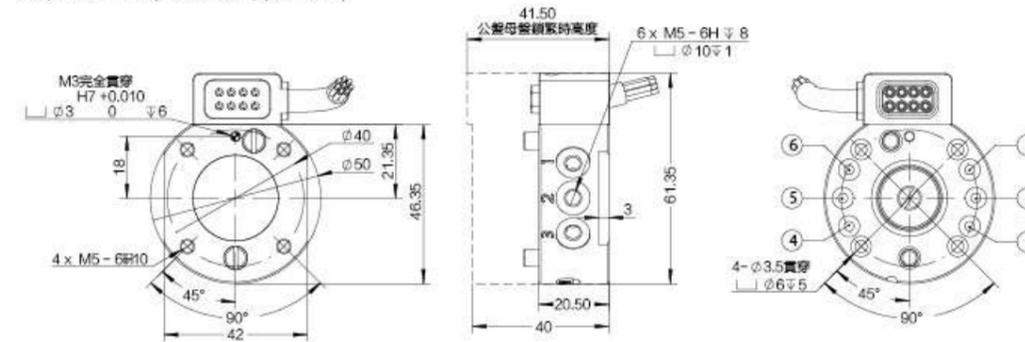
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	10 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	24.9Nm
		扭矩方向 Torque direction (Mr)	33.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	1000N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)		
	產品重量 Product weight	主盤 Main disc	0.12kg
		工具盤 Tool disc	0.1kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 6個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 10PIN

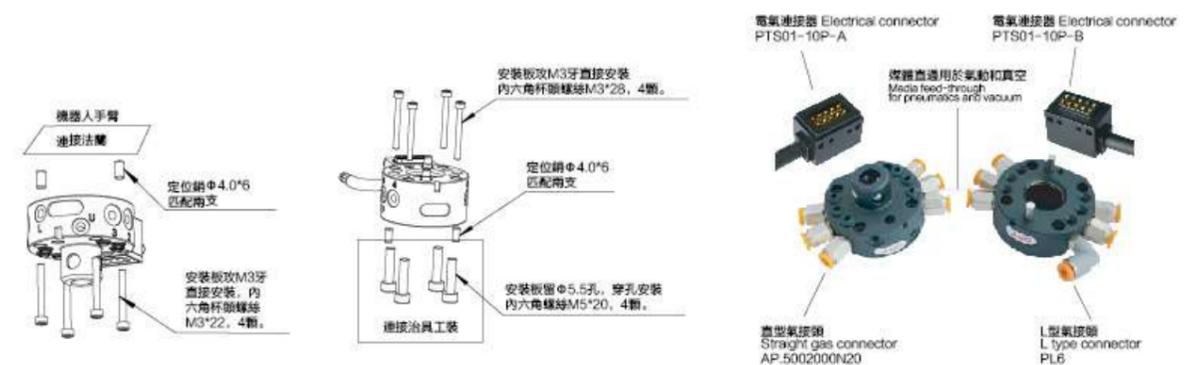
OQC-011-A (機械手端 Robot side)



OQC-011-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-015自動快切換 OQC-015 automatic fast switching

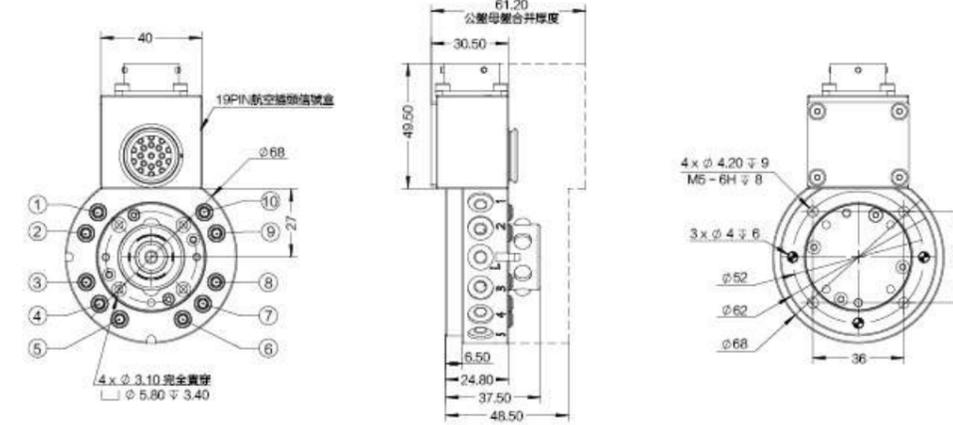
- 載重15KG; Payload capacity 15 KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



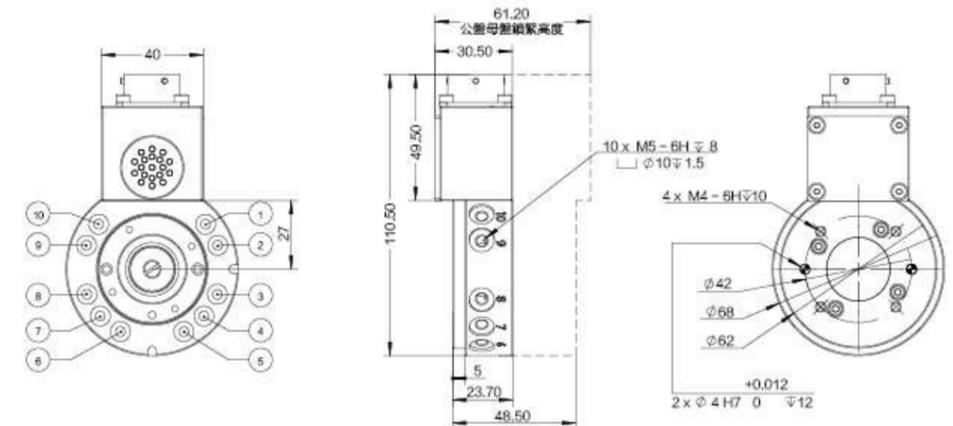
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	15 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	45Nm
		扭矩方向 Torque direction (Mr)	33.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	1800N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ 68mm x H 61.2mm	
	產品重量 Product weight	主盤 Main disc	0.27kg
		工具盤 Tool disc	0.18kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 10個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

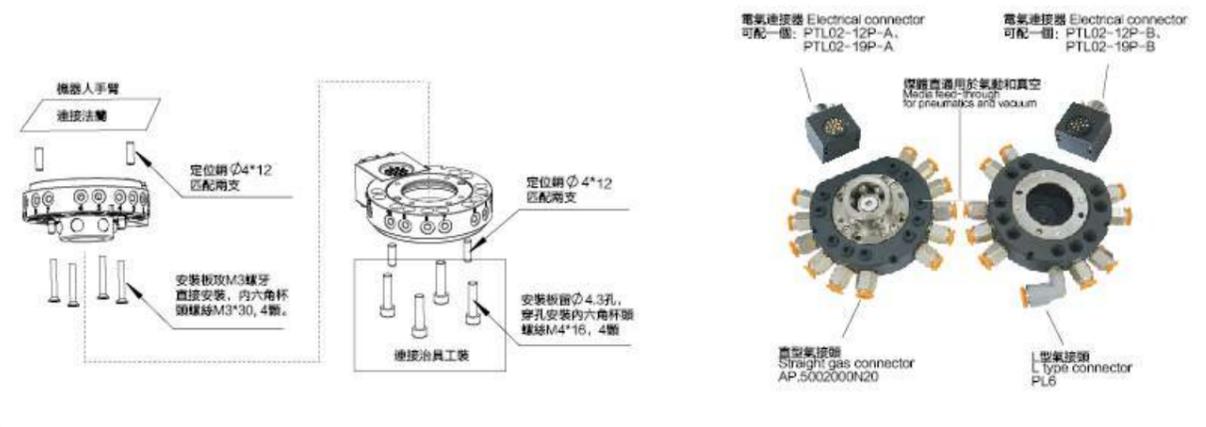
OQC-015-A (機械手端 Robot side)



OQC-015-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

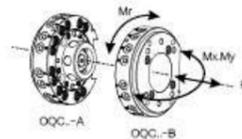
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-020自動快切換 OQC-020 automatic fast switching

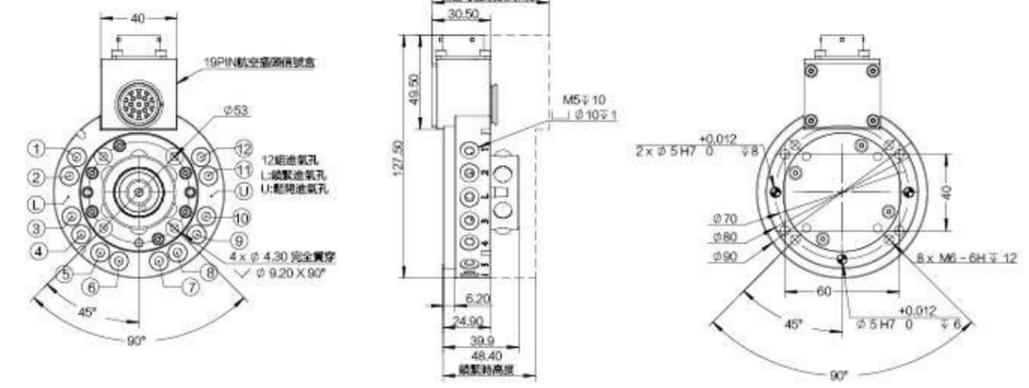
- 載重20KG; Payload capacity 20KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	20 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	56.5Nm
		扭矩方向 Torque direction (Mr)	78Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2090N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ90mm x H 61.1mm	
	產品重量 Product weight	主盤 Main disc	0.48kg
		工具盤 Tool disc	0.34kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 12個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

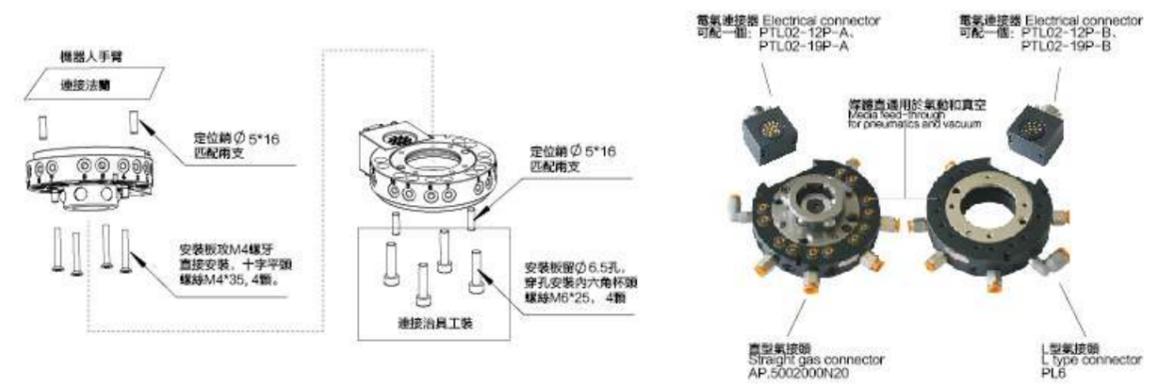
OQC-020-A (機械手端 Robot side)



OQC-020-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

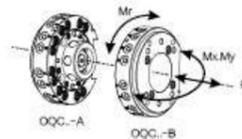
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-021自動快切換 OQC-021 automatic fast switching

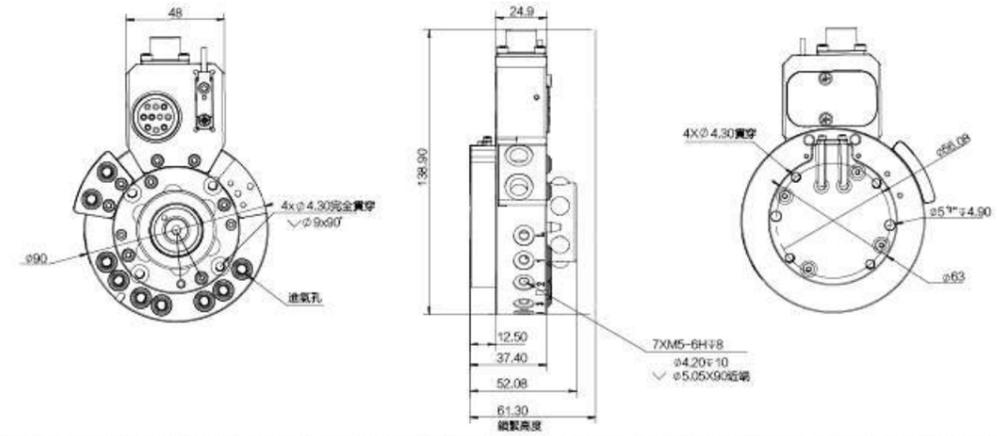
- 載重20KG; Payload capacity 20KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



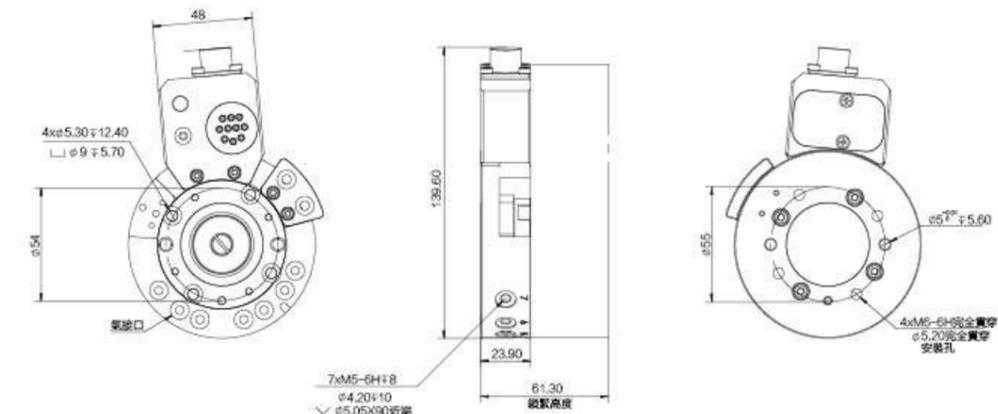
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	20 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	56.5Nm
		扭矩方向 Torque direction (Mr)	78Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2090N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ90 × H61.3 mm	
	產品重量 Product weight	主盤 Main disc	0.48kg
		工具盤 Tool disc	0.34kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 × 7	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A × 10PIN

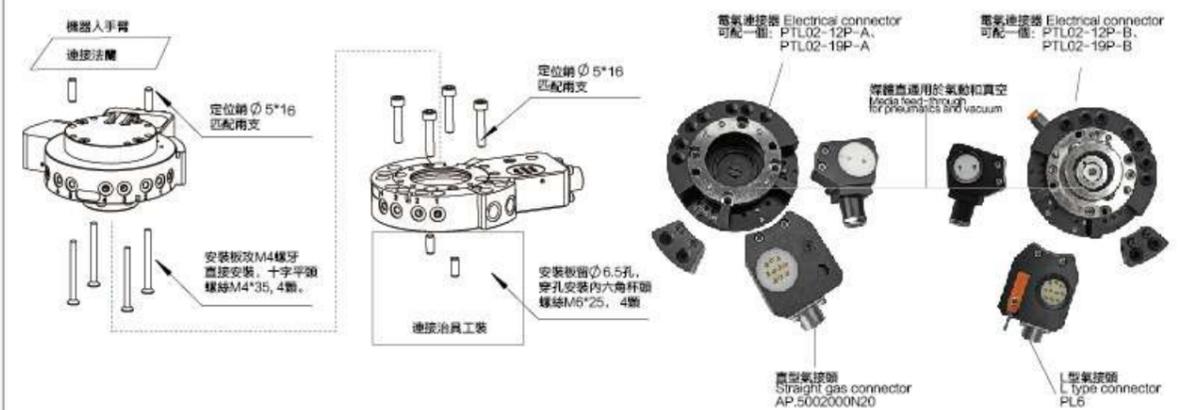
OQC-021-A (機械手端 Robot side)



OQC-021-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

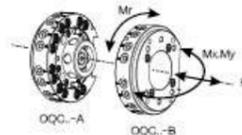
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-027自动快切换 OQC027 automatic fast switching

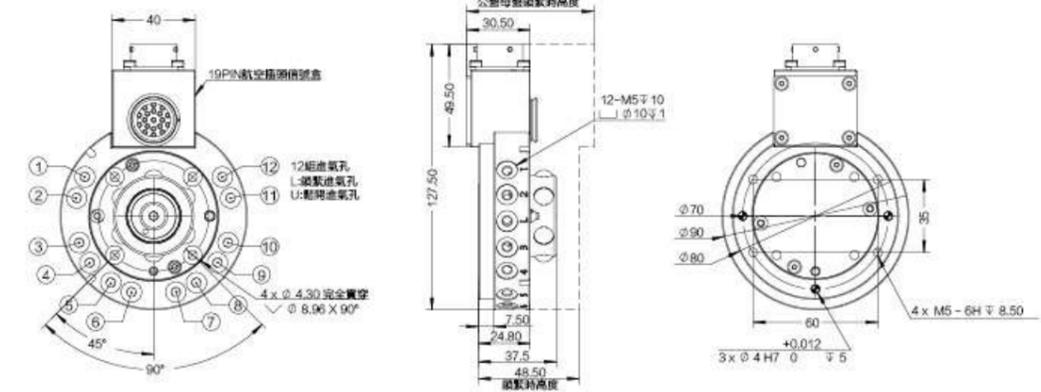
- 載重30KG; Payload capacity 30KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	30 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	84.7Nm
		扭矩方向 Torque direction (Mr)	99.4Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	3182N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ90mm x H 61.1mm	
	產品重量 Product weight	主盤 Main disc	0.95kg
		工具盤 Tool disc	0.52kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 12個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

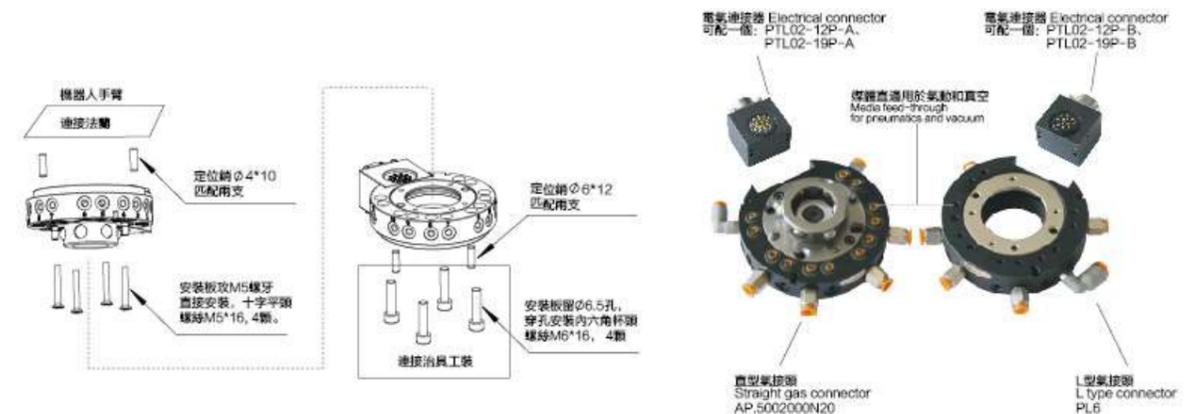
OQC-027-A (機械手端 Robot side)



OQC-027-B (治具端 Gripper side)



運用實例 / Application example



快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-040自動快切換 OQC-040 automatic fast switching

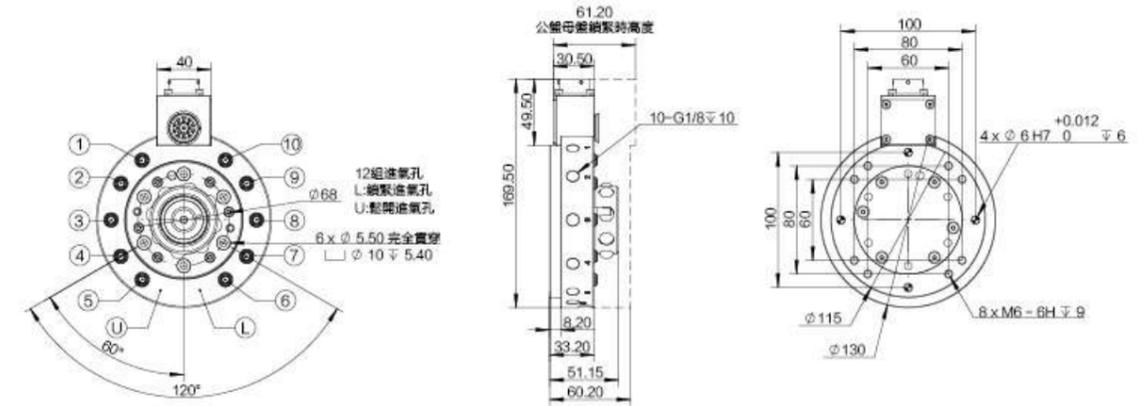
- 載重40KG; Payload capacity 40KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



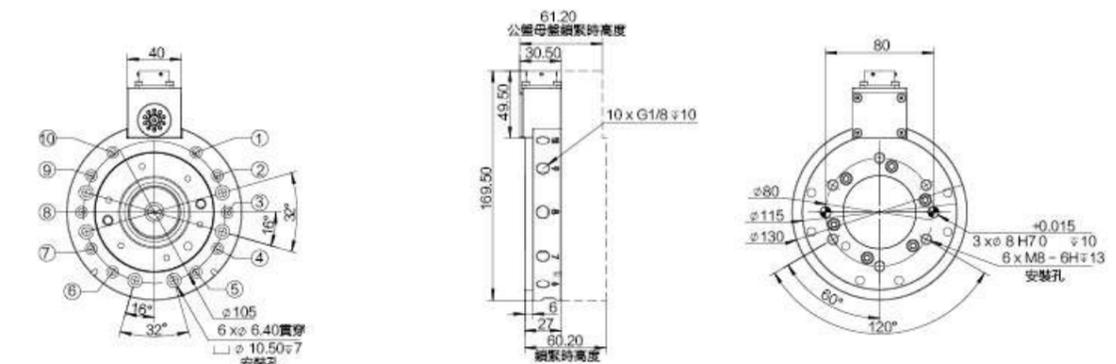
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	40 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	157Nm
		扭矩方向 Torque direction (Mr)	216Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	4090N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ130mm x H 61.20mm	
	產品重量 Product weight	主盤 Main disc	1.39kg
		工具盤 Tool disc	0.84kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kg/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	G1/8 x 10個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

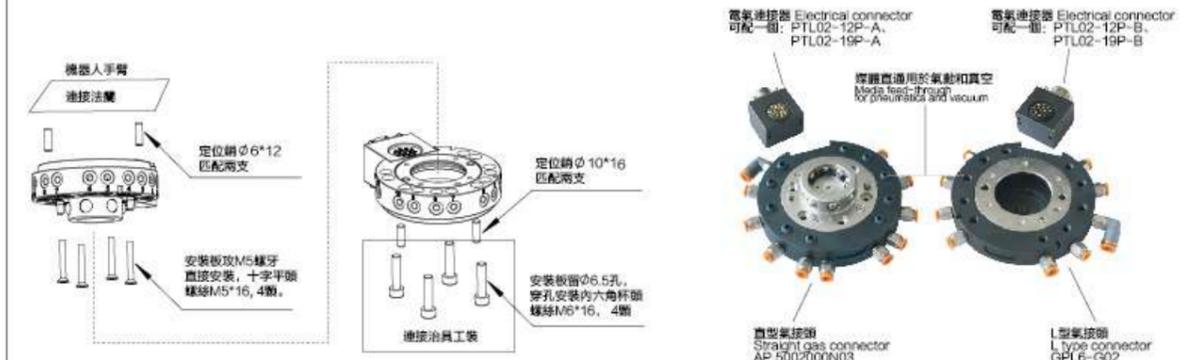
OQC-040-A (機械手端 Robot side)



OQC-040-B (治具端 Gripper side)



運用實例 / Application example



快換裝置

● 電氣模塊 Electrical modules

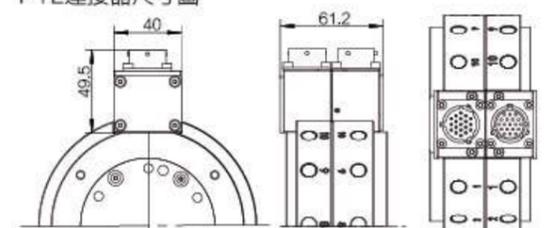
PTL02-12P-A PTL02-12P-B



PTL02-19P-A PTL02-19P-B

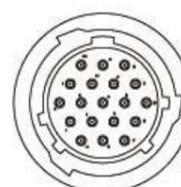


PTL連接器尺寸圖



PTLZ02-12P-A、PTLZ02-12P-B
PTLZ01-19P-A、PTLZ01-19P-B





12針、19針

12針接線圖 wiring plan

機械手端 Robot side

A	0.3 mm ²
B	0.3 mm ²
C	0.3 mm ²
D	0.3 mm ²
E	0.3 mm ²
F	0.3 mm ²
G	0.3 mm ²
H	0.3 mm ²
J	0.3 mm ²
K	0.3 mm ²
L	0.3 mm ²
M	0.3 mm ²

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

治具端 Gripper side

A	0.3 mm ²
B	0.3 mm ²
C	0.3 mm ²
D	0.3 mm ²
E	0.3 mm ²
F	0.3 mm ²
G	0.3 mm ²
H	0.3 mm ²
J	0.3 mm ²
K	0.3 mm ²
L	0.3 mm ²
M	0.3 mm ²

快換裝置

● 電氣模塊 Electrical modules

19針接線圖 wiring plan

機械手端 Robot side

A	0.2 mm ²
B	0.2 mm ²
C	0.2 mm ²
D	0.2 mm ²
E	0.2 mm ²
F	0.2 mm ²
G	0.2 mm ²
H	0.2 mm ²
J	0.2 mm ²
K	0.2 mm ²
L	0.2 mm ²
M	0.2 mm ²
N	0.2 mm ²
P	0.2 mm ²
R	0.2 mm ²
S	0.2 mm ²
T	0.2 mm ²
U	0.2 mm ²
V	0.2 mm ²

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

治具端 Gripper side

A	0.2 mm ²
B	0.2 mm ²
C	0.2 mm ²
D	0.2 mm ²
E	0.2 mm ²
F	0.2 mm ²
G	0.2 mm ²
H	0.2 mm ²
J	0.2 mm ²
K	0.2 mm ²
L	0.2 mm ²
M	0.2 mm ²
N	0.2 mm ²
P	0.2 mm ²
R	0.2 mm ²
S	0.2 mm ²
T	0.2 mm ²
U	0.2 mm ²
V	0.2 mm ²

型號 Model	I/O連接類型 I/O connection type	工作電流 Working Current	T分解電壓 Break down voltage	溫度範圍 Temperature range	接觸 Contact	適用於 This only suit for	單價(元) Price(yuan)
PTL02-12P-A	12針D-SUB高密彎頭型-VGA類型 12pins D-SUB-high density connector-VGA type	2A	24V	-55°C + +105°C	鍍金 Gold plated	QCC-015、QCC-020、 QCC-027、QCC-040、 QCC-060、QCC-076、 QCC-110、QCC-160	
PTL02-12P-B							
PTL02-19P-A	19針D-SUB高密彎頭型-VGA類型 19pins D-SUB-high density connector-VGA type						
PTL02-19P-B							

型號 Model	I/O連接類型 I/O connection type	線纜長度 Cable length	絕緣體 Insulation	屏蔽 temperature range	護套 Sheath	溫度範圍 Temperature range	電壓範圍 Voltage range	最高電流 Sheath	適用於 This only suit for	單價(元) Price(yuan)
PTLZ02-12P-A	12針D-SUB高密彎頭型-VGA類型 12pins D-SUB-high density connector-VGA type	3M	PVC	100%銅-聚酯薄膜 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C + +105°C	0-250 Vac	2A	QCC-015、QCC-020、 QCC-027、QCC-040、 QCC-060、QCC-076、 QCC-110、QCC-160	
PTLZ02-12P-B	1.5M									
PTLZ01-19P-A	3M									
PTLZ01-19P-B	1.5M									

快換裝置

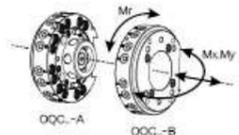
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-042自動快切換 OQC-042 automatic fast switching

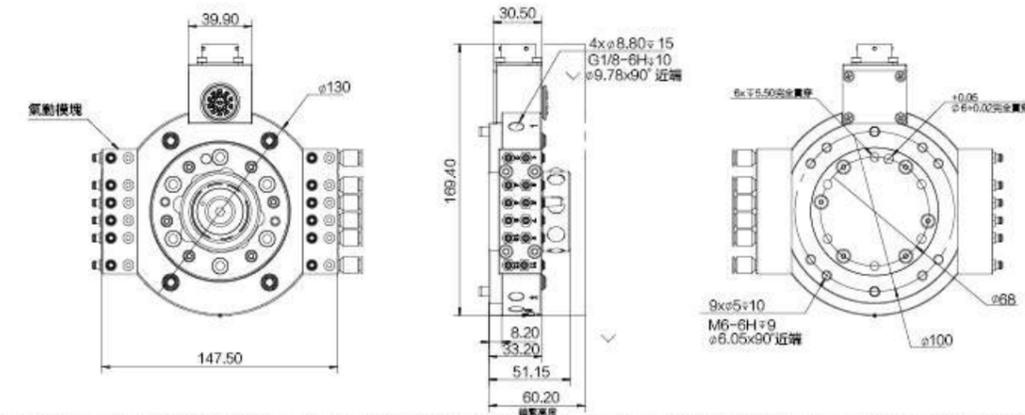
- 載重40KG; Payload capacity 40KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



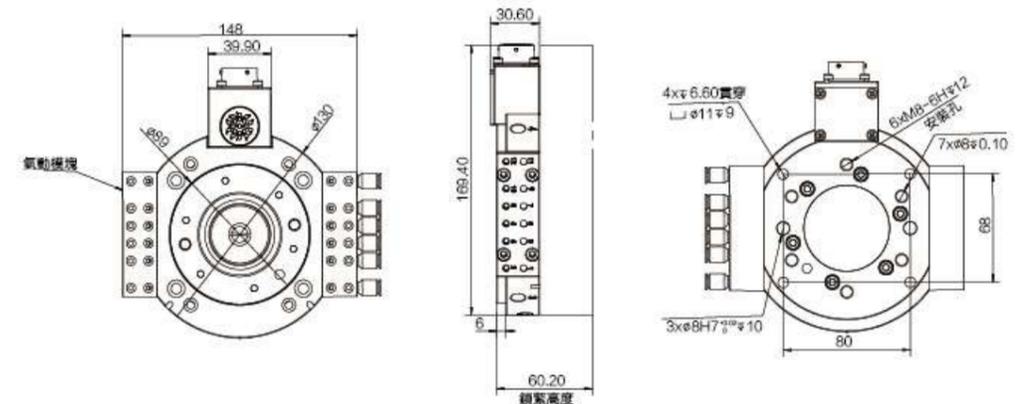
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	40 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	157Nm
		扭矩方向 Torque direction (Mr)	216Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	4090N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ130mm x H 61.20mm	
	產品重量 Product weight	主盤 Main disc	1.39kg
		工具盤 Tool disc	0.84kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	G1/8 x 6	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

OQC-042-A (機械手端 Robot side)



OQC-020-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

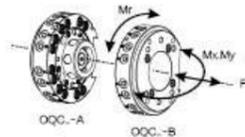
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-060自動快切換 OQC-060 automatic fast switching

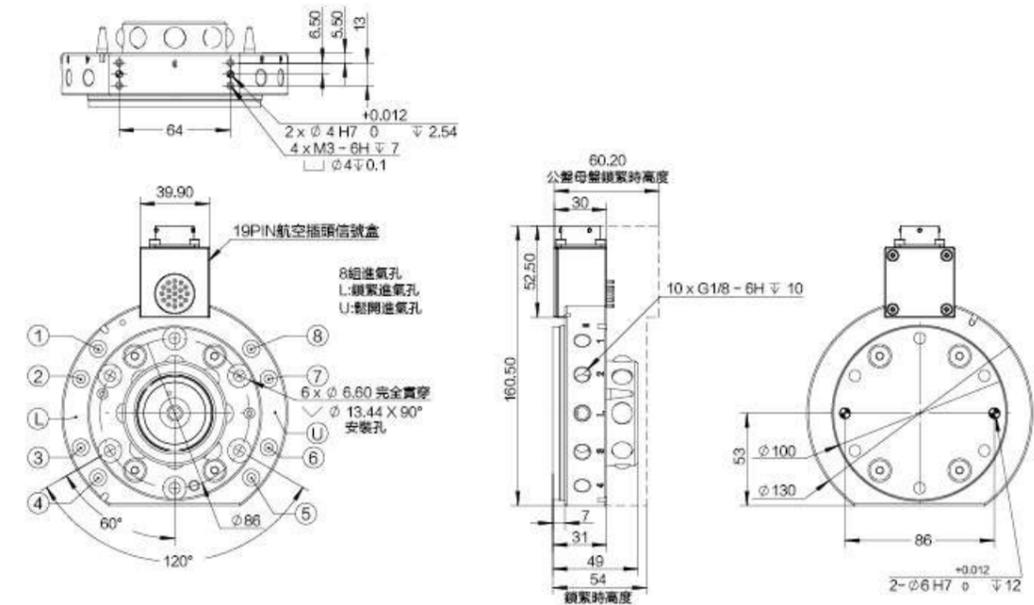
- 載重60KG; Payload capacity 60KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



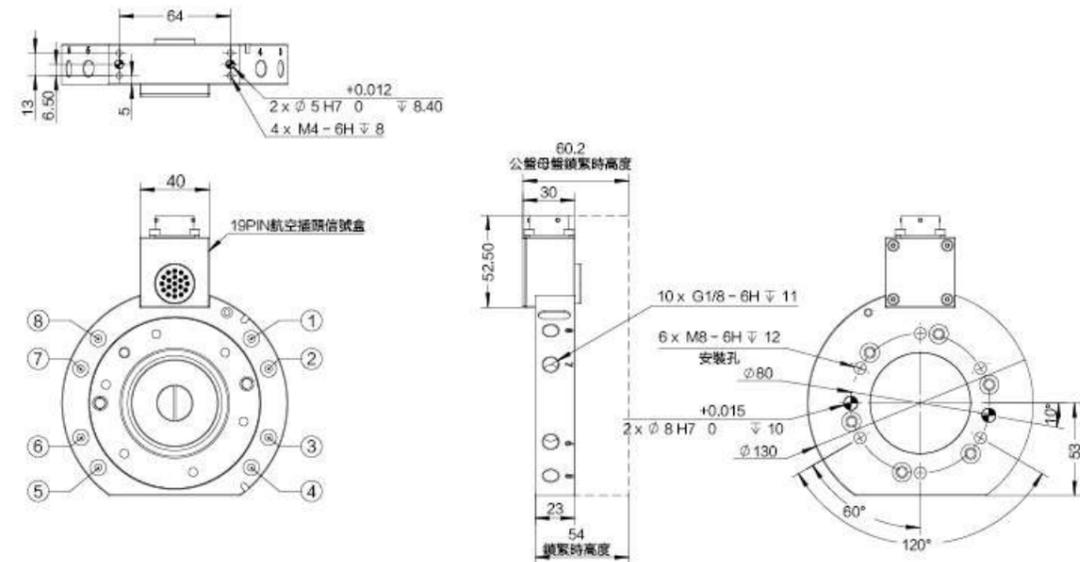
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	60 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	197Nm
		扭矩方向 Torque direction (Mr)	294Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	6726N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ130mm x H 60.20mm	
	產品重量 Product weight	主盤 Main disc	1.43kg
		工具盤 Tool disc	0.71kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	G1/8 x 8 個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN, 2A x 23PIN, 20A x 8PIN

OQC-060-A (機械手端 Robot side)



OQC-060-B (治具端 Gripper side)



快換裝置

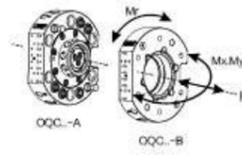
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-076自動快切換 OQC-076 automatic fast switching

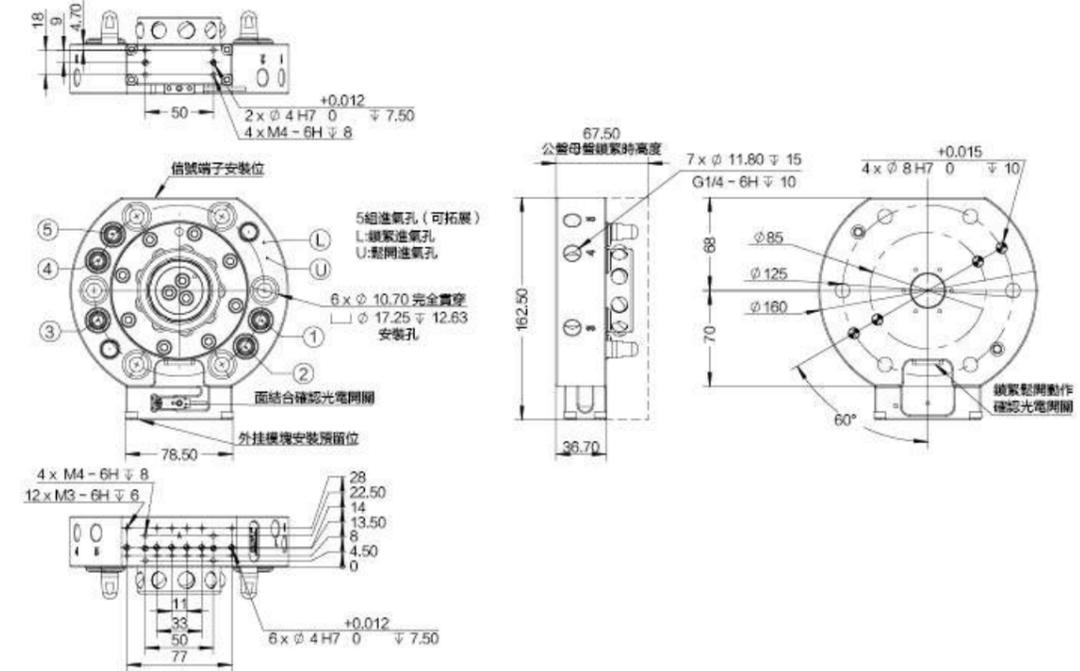
- 載重80KG; Payload capacity 80KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc;
- 鎖緊鬆開動作信號反饋(光電開關); Lock and release action signal feedback (Photoelectric switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (photoelectric switch);



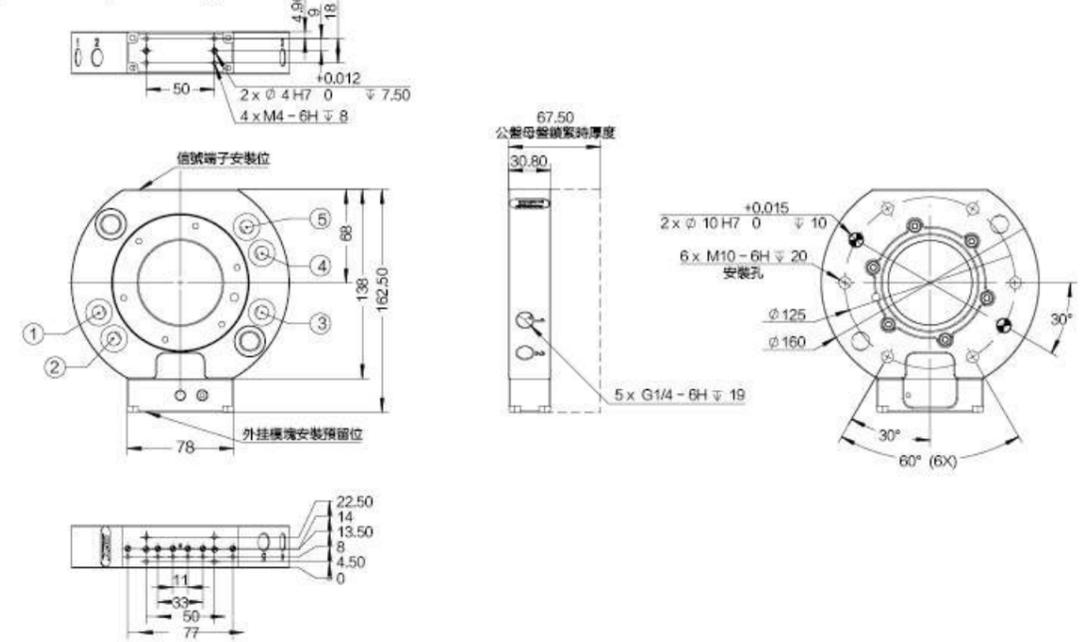
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	80 kg	
	位置重複精度 Positon repeatability	± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	564Nm
		扭矩方向 Torque direction (Mr)	701Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	10910N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ160mm x H 67.50mm	
	產品重量 Product weight	主盤 Main disc	1.63kg
		工具盤 Tool disc	0.91kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	G1/4 x 5個	
控制部分 Control body	拆卸確認傳感器 Loading and unloading confirm sensor	抓緊動作確認 grasp action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
		鬆開動作確認 loosen action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
	在位傳感器 Reign sensor	確認工具在位 Confirm tool reign	內置1個接近開關 a proximity switch inside (直流3線式)
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN, 2A x 23PIN, 20A x 8PIN

OQC-076-A (機械手端 Robot side)



OQC-076-B (治具端 Gripper side)



快換裝置

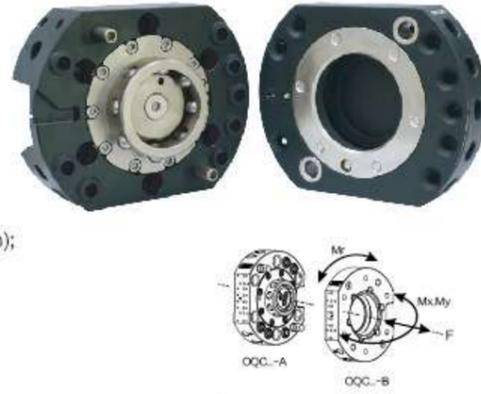
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

QQC-110自動快切換 QQC-110 automatic fast switching

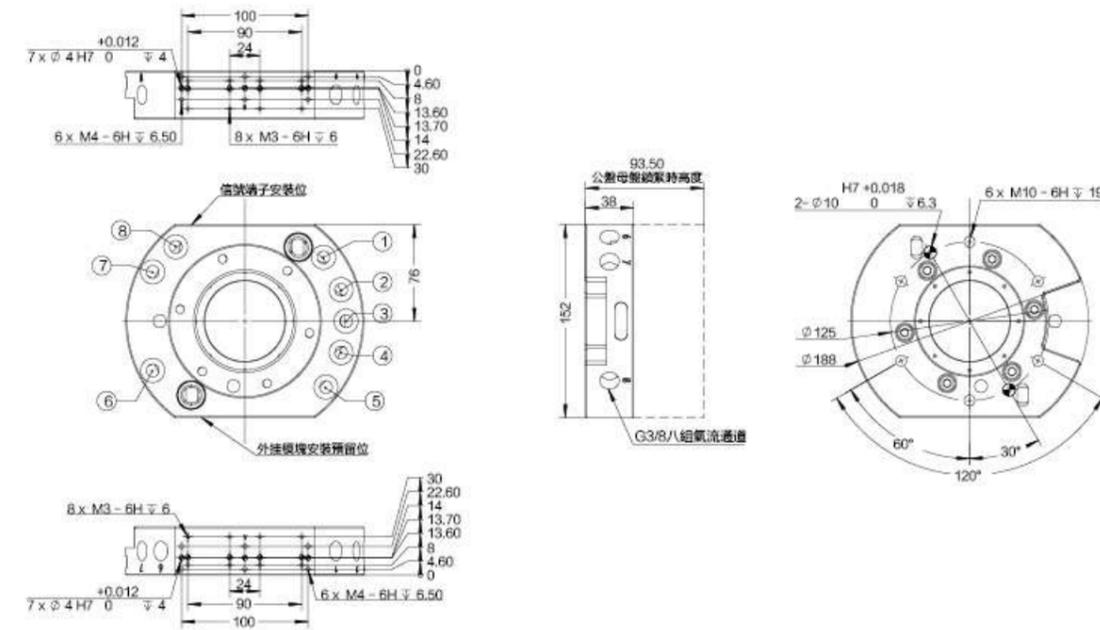
- 載重150KG; Payload capacity 150KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離; Mechanical fault insurance mechanism,even if the main disc dies unexpectedly,it will not separate with tool disc;
- 鎖緊鬆開動作信號反饋(光電開關); Lock and release action signal feedback(Photoelectric switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (Photoelectric switch);



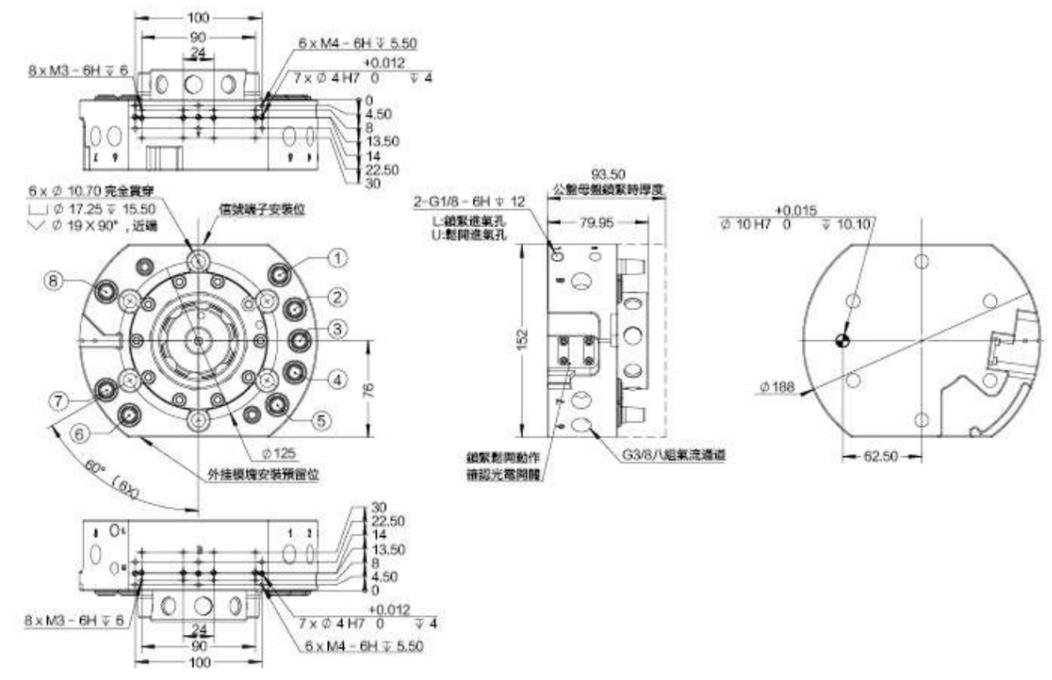
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	150 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	784Nm
		扭矩方向 Torque direction (Mr)	784Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	10910N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ 188mm x H 93.50mm	
	產品重量 Product weight	主盤 Main disc	5.6kg
		工具盤 Tool disc	2.7kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)		
通用 General	通氣孔 Pneumatic port	G3/8 x 8個	
控制部分 Control body	拆卸確認傳感器 Loading and unloading confirm sensor	抓緊動作確認 grasp action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
		鬆開動作確認 loosen action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
	在位傳感器 Reign sensor	確認工具在位 Confirm tool reign	內置1個接近開關 a proximity switch inside (直流3線式)
組件 (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN, 2A x 23PIN, 20A x 8PIN

QQC110-A (機械手端 Robot side)



QQC-110-B (治具端 Gripper side)



快換裝置

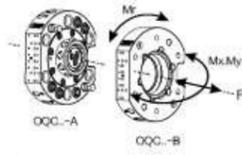
快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC160自動快切換 OQC-160 automatic fast switching

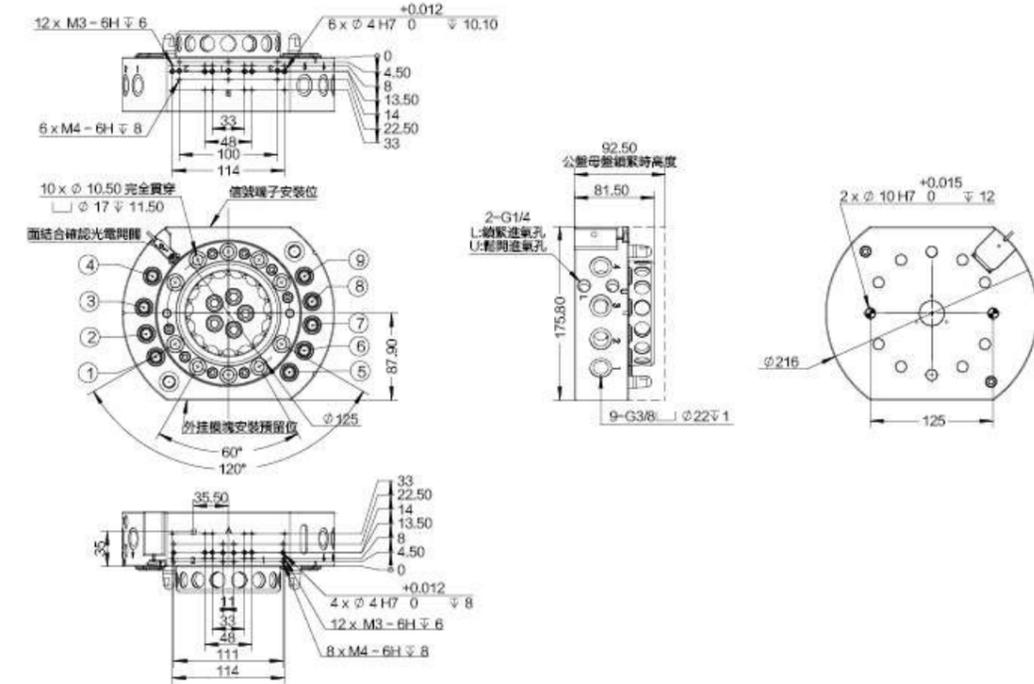
- 載重270KG; Payload capacity 270KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離; Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc
- 鎖緊鬆開動作信號反饋(光電開關); Lock and release action signal feedback (Photoelectric switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (photoelectric switch);



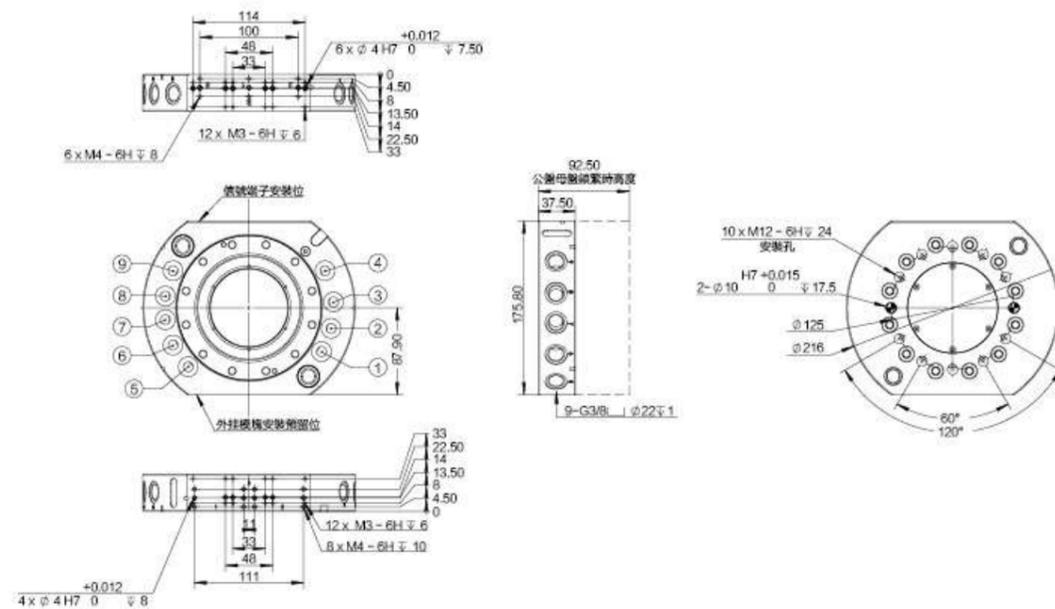
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	270 kg	
	位置重複精度 Positon repeatability	± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	2710Nm
		扭矩方向 Torque direction (Mr)	2260Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	28865N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ 216mm x H 92.50mm	
	產品重量 Product weight	主盤 Main disc	5.9kg
		工具盤 Tool disc	3.0kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	G3/8 x 9個	
控制部分 Control body	拆卸確認傳感器 Loading and unloading confirm sensor	抓緊動作確認 grasp action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
		鬆開動作確認 loosen action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)
在位傳感器 Reign sensor	確認工具在位 Confirm tool reign	內置1個接近開關 a proximity switch inside (直流3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN, 2A x 23PIN, 20A x 8PIN

OQC-160-A (機械手端 Robot side)



OQC-160-B (治具端 Gripper side)



快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-060安裝說明 / Anstallation Description

機器人手臂 連接法蘭
定位銷 $\phi 6.0 \times 20$ 匹配兩支
安裝板及M6螺牙直接安裝，內六角平頭螺絲M6 $\times 40$, 6顆

連接治具安裝
定位銷 $\phi 8 \times 18$ 匹配兩支
安裝板開 $\phi 8.5$ 孔，穿孔安裝內六角平頭螺絲M8 $\times 25$, 6顆

電氣連接器 Electrical connector 可配一組: PTL02-12P-A, PTL02-19P-A
電氣連接器 Electrical connector 可配一組: PTL02-12P-B, PTL02-19P-B

專機適用於氣動和真空 Media feed through for pneumatics and vacuum

直式氣接頭 Straight gas connector AP-500200N03
L型氣接頭 L type connector GP-L-G02

電氣連接器 Electrical connector 可配一組: PTLR05-19P-A, PTLR05-23P-A
電氣連接器 Electrical connector 可配一組: PTLR05-19P-B, PTLR05-23P-B

OQC-160安裝說明 / Anstallation Description

機器人手臂 連接法蘭
定位銷 $\phi 10 \times 22$ 匹配兩支
安裝板及M10螺牙，直接安裝內六角平頭螺絲M10 $\times 55$, 10顆

連接治具安裝
定位銷 $\phi 10 \times 22$ 匹配兩支
安裝板開 $\phi 12.5$ 孔，直接安裝內六角平頭螺絲M12 $\times 30$, 10顆

電氣連接器 Electrical connector 二邊均可配二邊: PTL20-8P-A, PTL05-19P-A, PTL05-23P-A
電氣連接器 Electrical connector 二邊均可配二邊: PTL20-8P-B, PTL05-19P-B, PTL05-23P-B

專機適用於氣動和真空 Media feed through for pneumatics and vacuum

光電開關 Photoelectric switch NSB-1NF1NP1P
直式氣接頭 Straight gas connector AP-500200N03

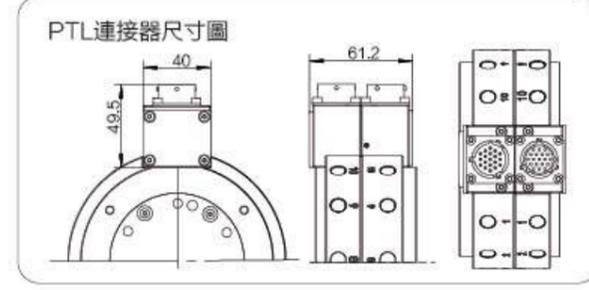
電氣連接器 Electrical connector 二邊均可配三邊: OPTL02-12P-A, PTL02-19P-A
電氣連接器 Electrical connector 二邊均可配三邊: PTL02-12P-B, PTL02-19P-B

OQC-076安裝說明 / Anstallation Description

電氣模塊 Electrical modules

機器人手臂 連接法蘭
定位銷 $\phi 8 \times 20$ 匹配兩支
安裝板及M10螺牙直接安裝，內六角平頭螺絲M10 $\times 35$, 6顆

連接治具安裝
定位銷 $\phi 10 \times 12$ 匹配兩支
安裝板開 $\phi 10.5$ 孔，穿孔安裝內六角平頭螺絲M10 $\times 30$, 6顆



OQC-110安裝說明 / Anstallation Description



機器人手臂 連接法蘭
定位銷 $\phi 10 \times 20$ 匹配兩支
安裝板及M10螺牙直接安裝內六角平頭螺絲M10, 6顆

連接治具安裝
定位銷 $\phi 10 \times 10$ 匹配兩支
安裝板開 $\phi 11$ 孔，穿孔安裝內六角平頭螺絲M10 $\times 25$, 6顆

電氣連接器 Electrical connector 二邊均可配一組: PTLR20-8P-A, PTLR05-19P-A, PTLR05-23P-A
電氣連接器 Electrical connector 二邊均可配一組: PTLR20-8P-B, PTLR05-19P-B, PTLR05-23P-B

專機適用於氣動和真空 Media feed through for pneumatics and vacuum

光電開關 Photoelectric switch NSB-1NF1NP1P
直式氣接頭 Straight gas connector AP-500200N03

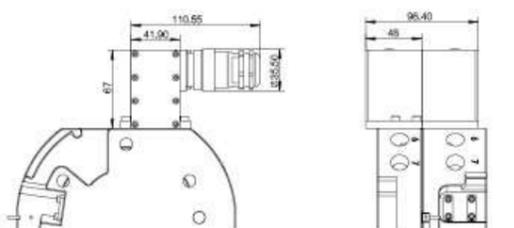
電氣連接器 Electrical connector 二邊均可配二邊: PTL02-12P-A, PTL02-19P-A
電氣連接器 Electrical connector 二邊均可配二邊: PTL02-12P-B, PTL02-19P-B

快換裝置

● 電氣模塊 Electrical modules

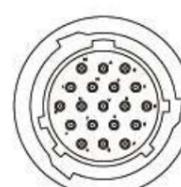
<p>PTTL20-8P-A</p> 	<p>PTTL20-8P-B</p> 	<p>PTTR20-8P-A</p> 	<p>PTTR20-8P-B</p> 
<p>PTTL05-19P-A</p> 	<p>PTTL05-19P-B</p> 	<p>PTTR05-19P-A</p> 	<p>PTTR05-19P-B</p> 
<p>PTTL05-23P-A</p> 	<p>PTTL05-23P-B</p> 	<p>PTTR05-23P-A</p> 	<p>PTTR05-23P-B</p> 

PTT連接器尺寸圖



PTLZ20-8P-A, PTLZ20-8P-B
PTLZ01-19P-A, PTLZ01-19P-B
PTLZ01-23P-A, PTLZ01-23P-B



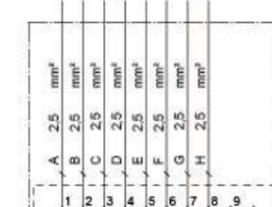


8針、19針、23針

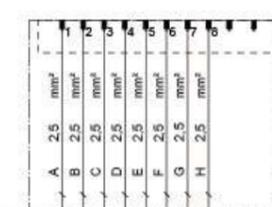
快換裝置

● 電氣模塊 Electrical modules

8針
接線圖 wiring plan

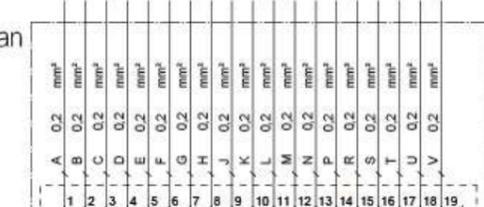
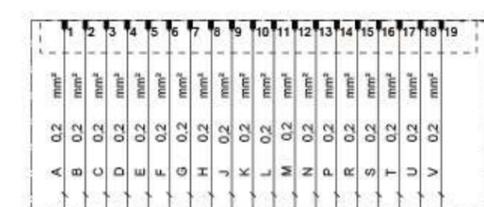


機械手端 Robot side



治具端 Gripper side

19針、23針
接線圖 wiring plan

型號 Model	I/O連接類型 I/O connection type	工作電流 Working Current	分解電壓 Break down voltage	溫度範圍 Temperature range	接觸 Contact	適用於 This only suit for	單價(元) Price(yuan)
PTTL/R20-8P-A	8針D-SUB高密彎頭型-VGA類型 8pins D-SUB-high density connector-VGA type	20A	24V	-55°C ~ +105°C	鍍金 Gold plated	OQC-060, OQC-078, OQC-110, OQC-160	
PTTL/R20-8P-B							
PTTL/R05-19P-A	19針D-SUB高密彎頭型-VGA類型 19pins D-SUB-high density connector-VGA type	5A	24V	-55°C ~ +105°C	鍍金 Gold plated		
PTTL/R05-19P-B							
PTTL/R05-23P-A	23針D-SUB高密彎頭型-VGA類型 23pins D-SUB-high density connector-VGA type	5A	24V	-55°C ~ +105°C	鍍金 Gold plated		
PTTL/R05-23P-B							

型號 Model	I/O連接類型 I/O connection type	線纜長度 Cable length	絕緣體 Insulation	屏蔽 Temperature range	護套 Sheath	溫度範圍 Temperature range	電壓範圍 Voltage range	最高電流 Sheath	適用於 This only suit for	單價(元) Price(yuan)
PTLZ20-8P-A	8針D-SUB高密彎頭型-VGA類型 8pins D-SUB-high density connector-VGA type	3M	PVC	100%鋁-聚酯薄膜 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C ~ +105°C	0~250 Vac	20A	OQC-060, OQC-078, OQC-110, OQC-160	
PTLZ20-8P-B		1.5M								
PTLZ01-19P-A	19針D-SUB高密彎頭型-VGA類型 19pins D-SUB-high density connector-VGA type	3M	PVC	100%鋁-聚酯薄膜 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C ~ +105°C	0~250 Vac	1A		
PTLZ01-19P-B		1.5M								
PTLZ01-23P-A	23針D-SUB高密彎頭型-VGA類型 23pins D-SUB-high density connector-VGA type	3M	PVC	100%鋁-聚酯薄膜 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C ~ +105°C	0~250 Vac	1A		
PTLZ01-23P-B		1.5M								

快換裝置

快換裝置

工業機器人快換 Industrial robot quick change

工業機器人快換 Industrial robot quick change

OQC-501自动快切换 OQC501 automatic fast switching

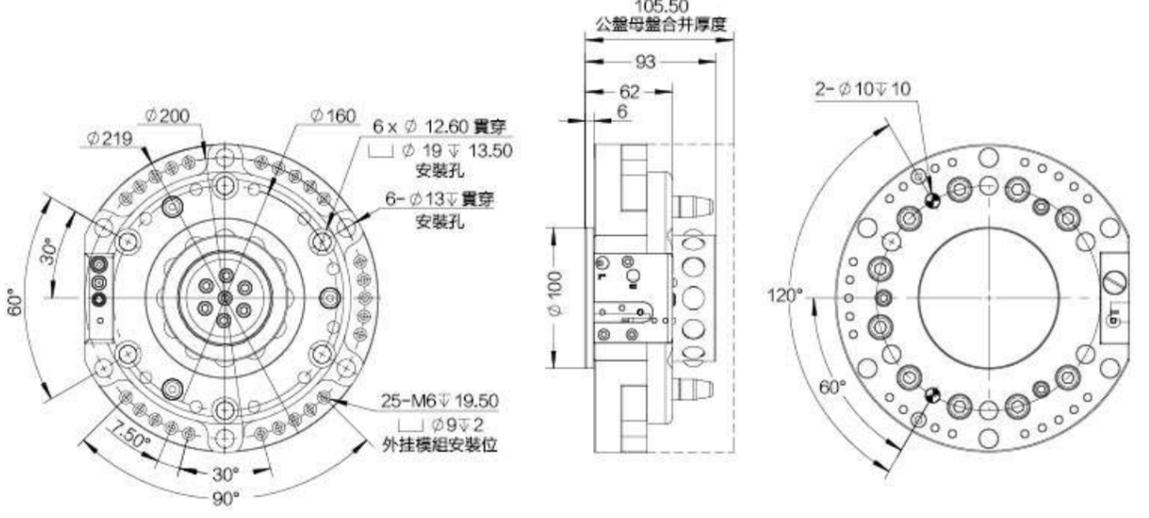
- 載重500KG; Payload capacity 500KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 體積小重量輕; Small volume light weight
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離; Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc;
- 鎖緊鬆開動作信號反饋(光電開關); Lock and release action signal feedback(Photoelectric switch);
- 面結合確認信號檢測(光電開關); Surface combined with confirmation signal detection (Photoelectric switch);
- 氣路回路保護, 防主盤誤動作; Air circuit protection to prevent malfunction of main plate



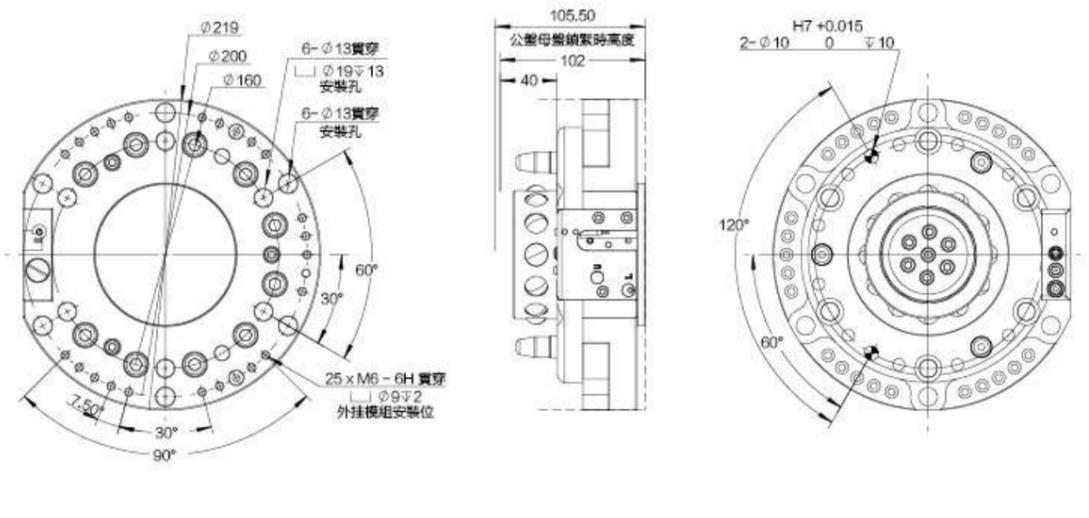
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	500 kg			
	位置重複精度 Positon repeatability	± 0.05mm			
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	8590Nm		
		扭矩方向 Torque direction (Mr)	8290Nm		
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	70140N			
	材質 Material	本體 Main body	鋁合金		
		鎖緊機構部分 Locking mechanism	鋁合金		
	外形尺寸 Housing diameter (鎖緊時Lock)	φ 219mm x H 105.50mm			
	產品重量 Product weight	主盤 Main disc	9.9kg		
		工具盤 Tool disc	3.1kg		
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock				
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)				
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)				
控制部分 Control body	拆卸確認傳感器 Loading and unloading confirm sensor	抓緊動作確認 grasp action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)		
		鬆開動作確認 loosen action confirmation	內置1個接近開關 a proximity switch inside (直流3線式)		
	在位傳感器 Reign sensor	確認工具在位 Confirm tool reign	內置1個接近開關 a proximity switch inside (直流3線式)		
組件 Component (選配 Option)	電氣信號模塊	模塊類型	信號接點個數	型號	
		20A x 8個		PTM20-8P-A	
		5A x 19個		PTM05-19P-A	
	氣模塊	4孔氣路	Rc1/2接口 x 2個、Rc1/4接口 x 2個		PMQMK-04-A
		6孔氣路	Rc1/4接口 x 6個		PMQMK-06-A
		12孔氣路	Rc1/8接口 x 12個		PMQMK-12-A
	流體模塊	2路流體自密封	Rc3/8接口 x 1個		PMLT-01-A
4路流體自密封		Rc3/8接口 x 1個		PMLT-02-A	

OQC-501-A (機械手端 Robot side)



OQC-501-B (治具端 Gripper side)



≡ 快換裝置

快換裝置 ≡

● 快換模塊 Quick change module

<p>PMLT-01-A</p>  <p>PMLT-02-B</p> 	<p>PMLT-01-A 進氣接口: 1孔 配置: 1個G3/8接口 重量: 232g</p> <p>PMLT-01-B 進氣接口: 1孔 配置: 1個G3/8接口 重量: 227g</p>
<p>PMLT-02-A</p>  <p>PMLT-02-B</p> 	<p>PMLT-02-A 進氣接口: 2孔 配置: 2個G3/8接口 重量: 501g</p> <p>PMLT-02-B 進氣接口: 2孔 配置: 2個G3/8接口 重量: 492g</p>
<p>PMQMK-12-A</p>  <p>PMQMK-12-B</p> 	<p>PMQMK-12-A 進氣接口: 12孔 配置: 12個G1/8接口 重量: 464</p> <p>PMQMK-12-B 進氣接口: 12孔 配置: 12個G1/8接口 重量: 428g</p>
<p>PMQMK-6-A</p>  <p>PMQMK-6-B</p> 	<p>PMQMK-06-A 進氣接口: 6孔 配置: 6個G1/4接口 重量: 745g</p> <p>PMQMK-06-B 進氣接口: 6孔 配置: 6個G1/4接口 重量: 545g</p>
<p>PMQMK-04-A</p>  <p>PMQMK-04-B</p> 	<p>PMQMK-04-A 進氣接口1: 4孔 配置: 2個G1/4接口 +2個G1/2接口 重量: 704g</p> <p>PMQMK-04-B 進氣接口1: 4孔 配置: 2個G1/4接口 +2個G1/2接口 重量: 534g</p>

NOTES

快換裝置

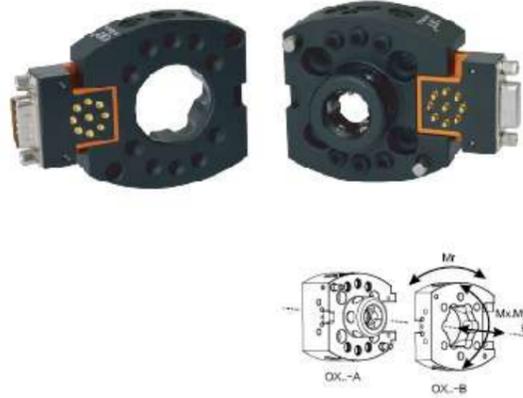
快換裝置

● 協作機械手快換 Assist manipulator quick change

● 協作機械手快換 Assist manipulator quick change

OX-SBS自动快切换 OX-SBS automatic fast switching

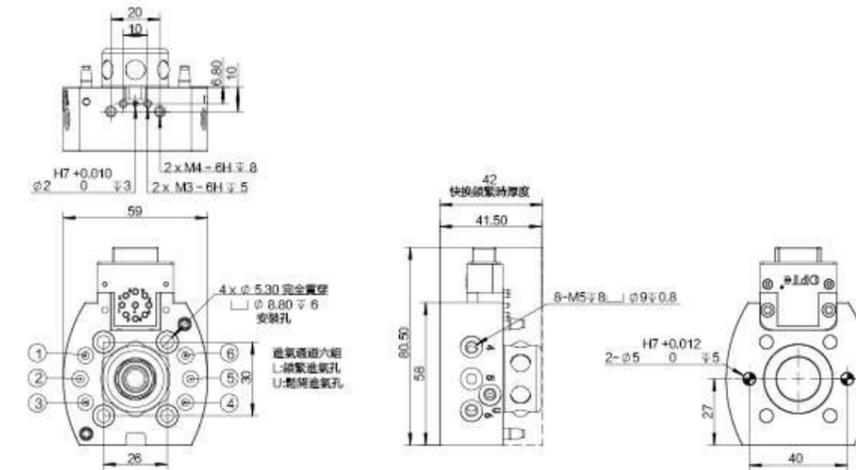
- 建議負載5KG; Payload capacity 5KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



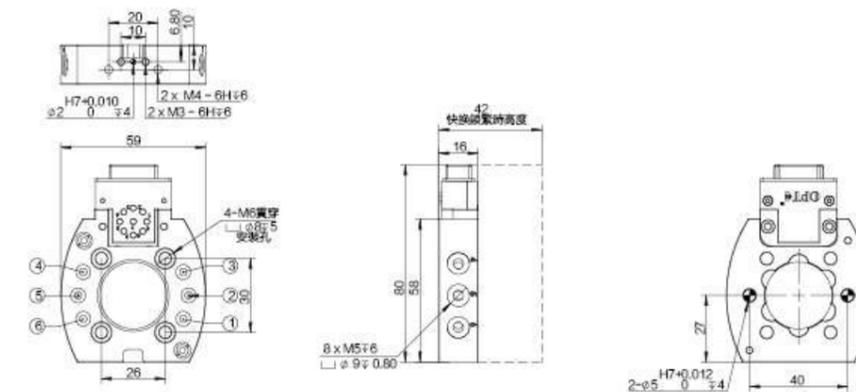
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	5 kg	
	位置重複精度 Positon repeatability	± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	12.2Nm
		扭矩方向 Torque direction (Mr)	16.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	635N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ58mm x 59mm x H 42mm	
	產品重量 Product weight	主盤 Main disc	0.11kg
		工具盤 Tool disc	0.25kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 6個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 19PIN

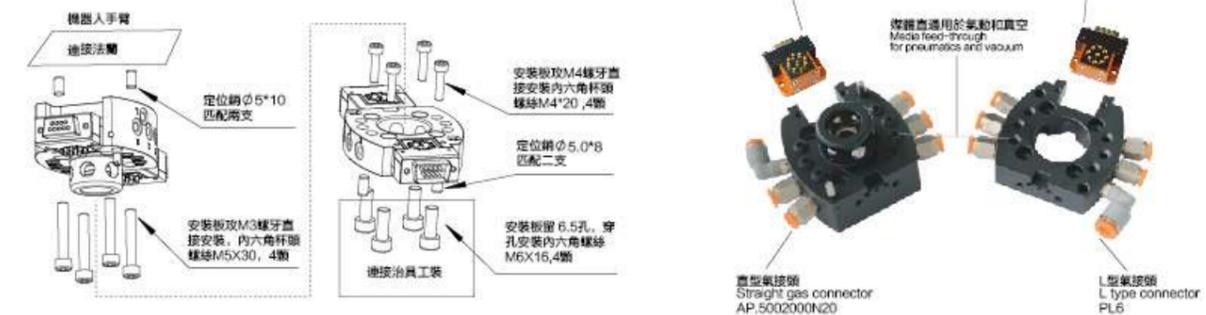
OX-SBS-A(機械手端 Robot side)



OX-SBS-B(治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

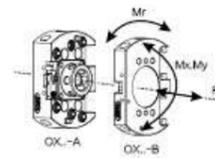
快換裝置

● 協作機械手快換 Assist manipulator quick change

● 協作械手快換 Assist manipulator quick change

OX-SB自動快切換 OX-SB automatic fast switching

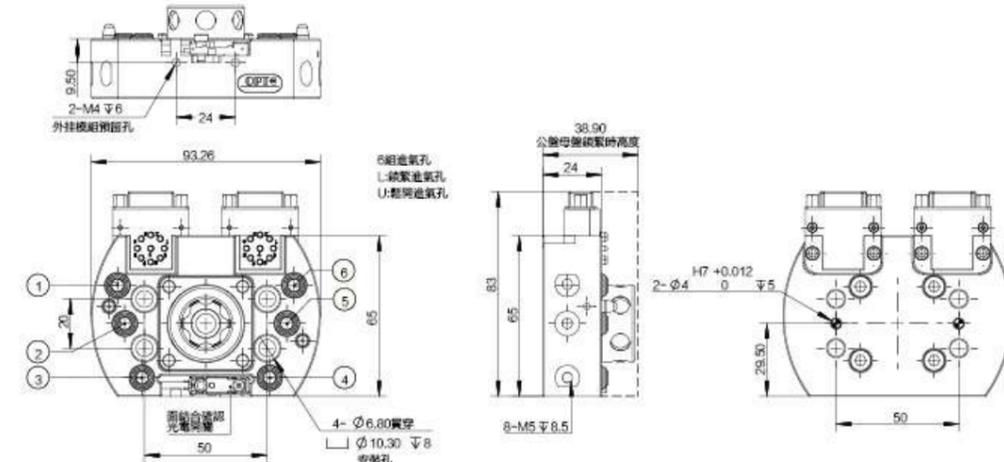
- 建議負載10KG; Payload capacity 10KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 內置在位檢測裝置; Grasp detecting device inside;
- 體積小重量輕; Small volume light weight;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



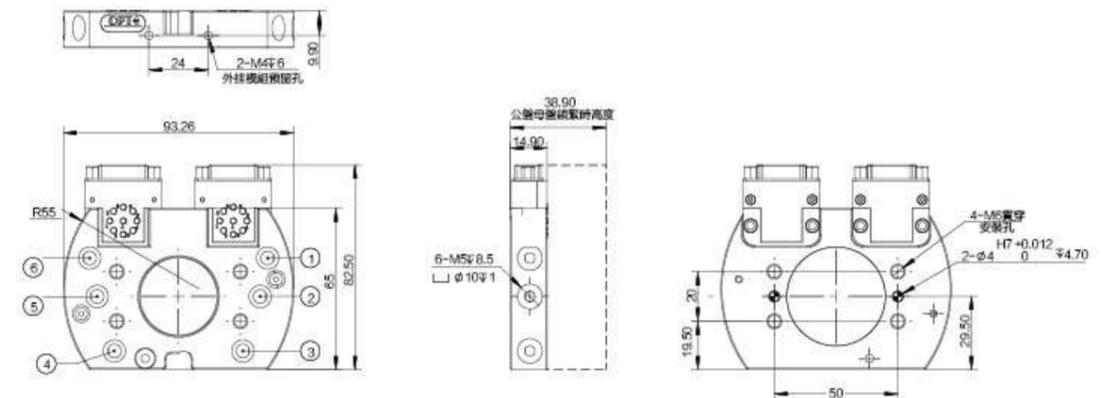
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity		10kg	
	位置重複精度 Positon repeatability		± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)		24.9Nm
		扭矩方向 Torque direction (Mr)		33.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)		1000N	
	材質 Material	本體 Main body		鋁合金
		鎖緊機構部分 Locking mechanism		鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)			∅93.26mm x ∅65mm x H 38.9mm
	產品重量 Product weight	主盤 Main disc		0.44kg
		工具盤 Tool disc		0.20kg
拆裝機構 Disassembling institutions			鋼球定位鎖緊 Steel ball position lock	
拆裝動作氣壓 Disassembling action pressure			0.39~0.7MPa (4~7kg/cm ²)	
允許溫度與濕度範圍 Allowable temperature and humidity			0~55℃, 0~95% (不結露No condensation)	
通用 General	通氣孔 Pneumatic port		M5 x 6個	
控制部分 Control body	面結合確認 Face-to-face confirmation	確認快換公母鎖緊 Confirm quick change male and female lock	內置1個光電開關 Built-in 1 power transmission switch (直流3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2x2Ax9PIN	

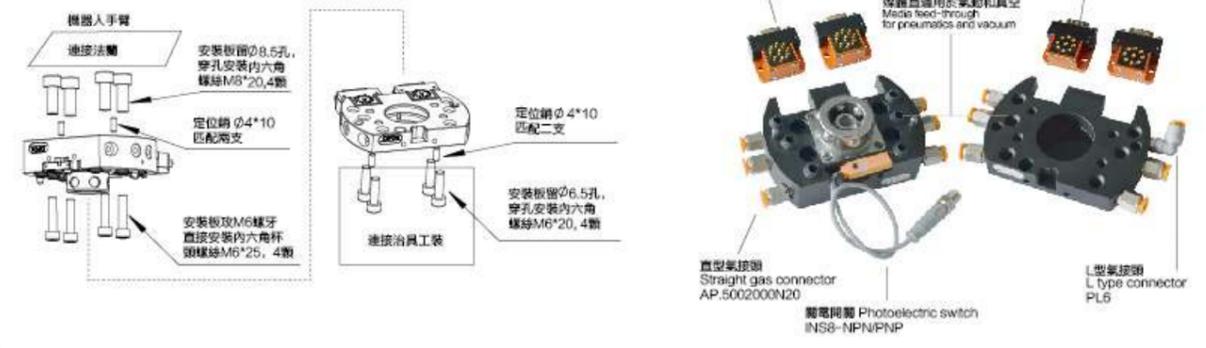
OX-SB-A(機械手端 Robot side)



OX-SB-B(治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

●機械手治具快換 Manipulator Fixture quick change

●機械手治具快換 Manipulator Fixture quick change

OX-SBDI自動快切換 OX-SBDI Automatic fixture quick switch

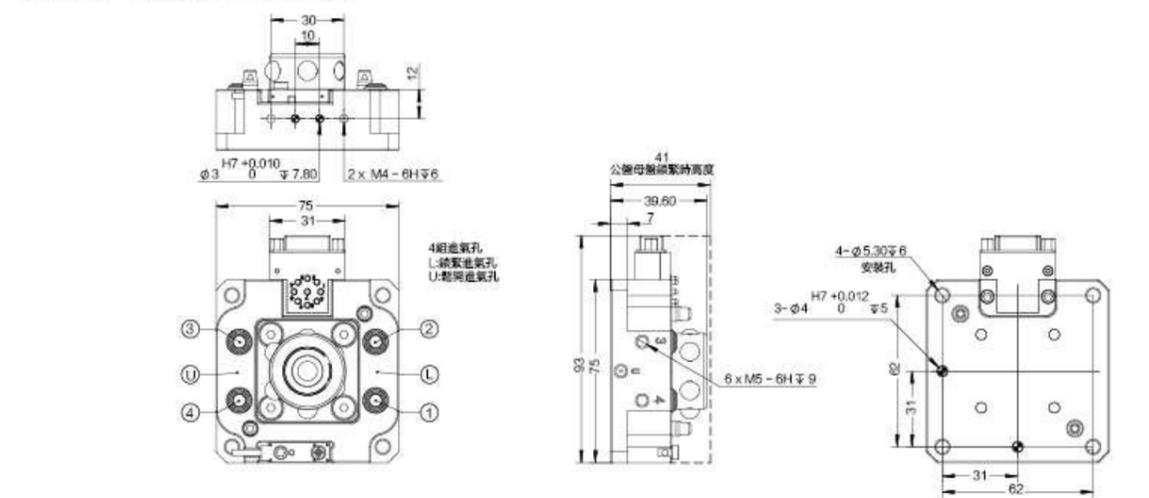
- 建議負載10KG; Payload capacity 10KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 內置在位檢測裝置; Grasp detecting device inside;
- 體積小重量輕; Small volume light weight;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



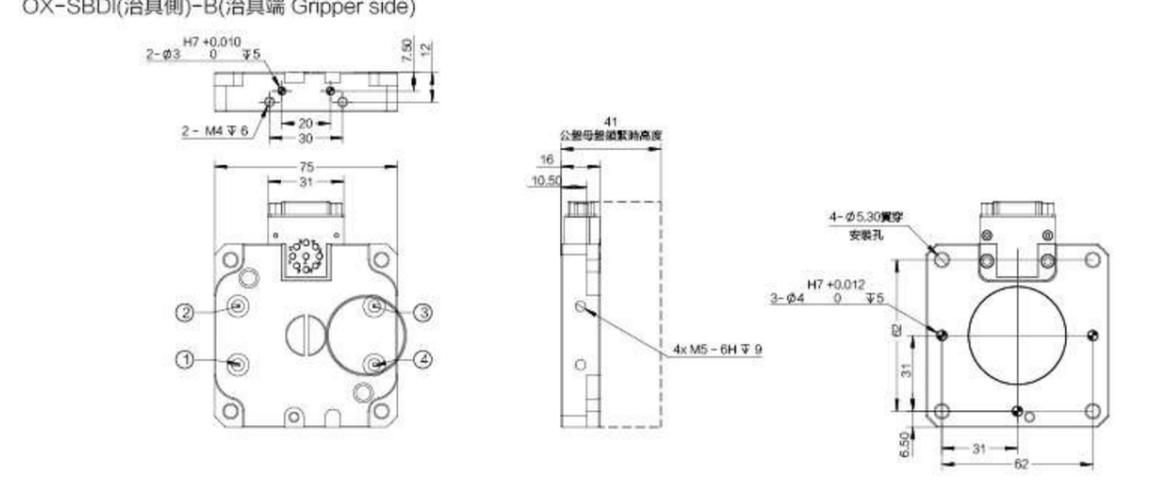
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	10kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Tx,Ty)	24.9Nm
		扭矩方向 Torque direction (Tz)	33.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	1000N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ75mm x φ75mm x H 41mm	
	產品重量 Product weight	主盤 Main disc	0.46kg
		工具盤 Tool disc	0.21kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 4個	
控制部分 Control body	面結合確認 Face-to-face confirmation	確認快換公母鎖緊 Confirm quick change male and female lock	
		內置1個光電開關 Built-in 1 power transmission switch (直流通3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2Ax9PIN

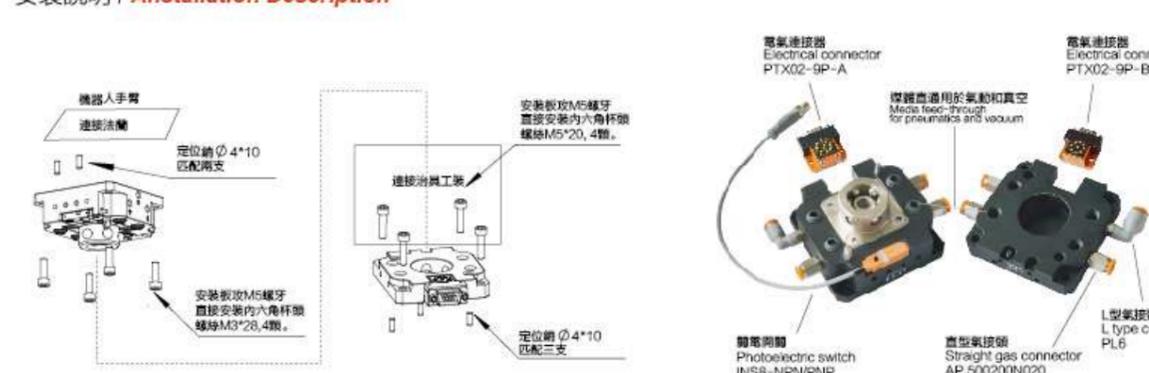
OX-SBDI -A(機械手端 Robot side)



OX-SBDI(治具側)-B(治具端 Gripper side)



安裝說明 / Anstallation Description



電氣連接器 Electrical connector PTX02-9P-A
 電氣連接器 Electrical connector PTX02-9P-B
 直型氣接頭 Straight gas connector AP.500200N020
 L型氣接頭 L type connector PL6
 光電開關 Photoelectric switch INS-NPN/PNP
 螺絲適用於氣動和真空 Media feed-through for pneumatics and vacuum
 安裝板攻M5螺牙 直接安裝內六角杯頭螺絲M5*20, 4顆。
 定位銷φ4*10 匹配兩支
 連接治具工具
 安裝板攻M5螺牙 直接安裝內六角杯頭螺絲M3*28, 4顆。
 定位銷φ4*10 匹配三支

快換裝置

快換裝置

●機械手治具快換 Manipulator Fixture quick change

●機械手治具快換 Manipulator Fixture quick change

OX-XB自動快切換 OX-XB Automatic fixture quick switch

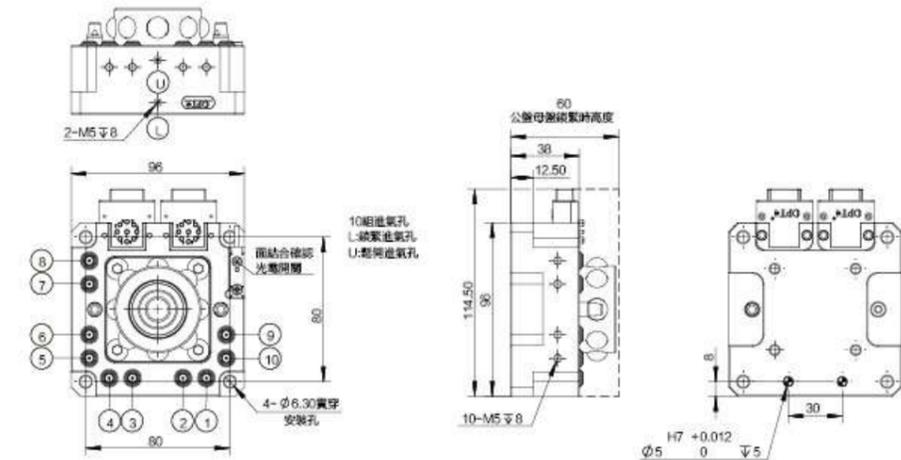
- 建議負載20KG; Payload capacity 20KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 內置在位檢測裝置; Grasp detecting device inside;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



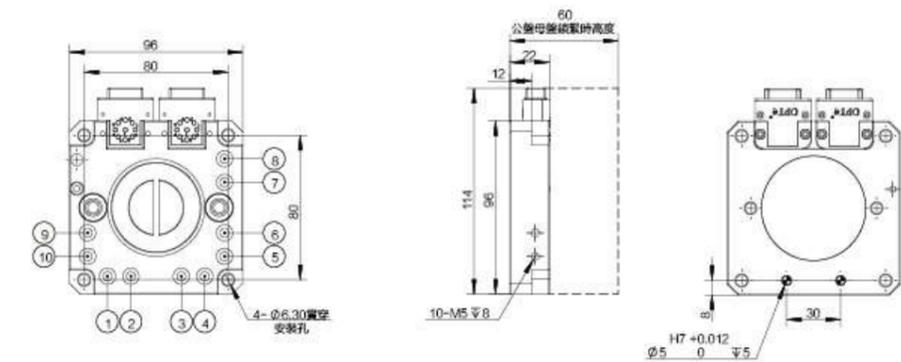
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	20kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Tx,Ty)	69Nm
		扭矩方向 Torque direction (Tz)	82Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2100N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	∅96mm x ∅96mm x H 60mm	
	產品重量 Product weight	主盤 Main disc	1.13kg
		工具盤 Tool disc	0.40kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與溫度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x10個	
控制部分 Control body	面結合確認 Face-to-face confirmation	確認快換公母鎖緊 Confirm quick change male and female lock 內置1個光電開關 Built-in 1 power transmission switch (直流3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2x2Ax9PIN

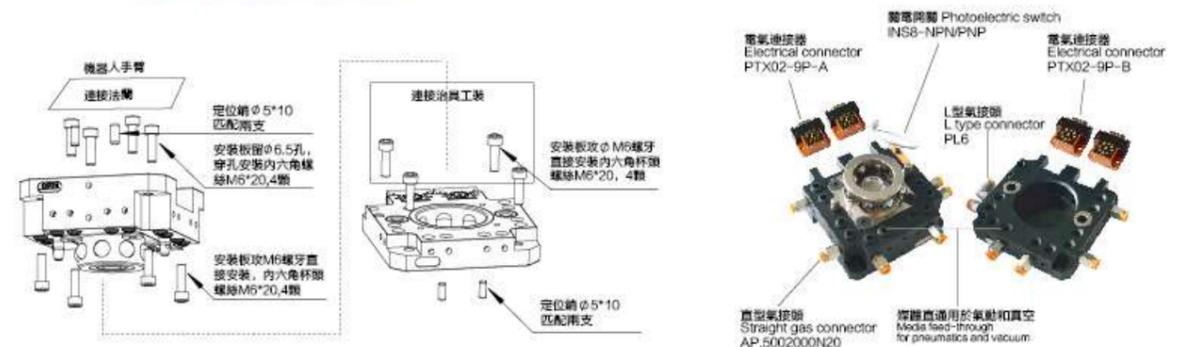
OX-XB-A(機械手端 Robot side)



OX-XB-B(治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

●協助機械手快換 Assist manipulator quick change

●協助機械手快換 Assist manipulator quick change

OX-LB自動快切換 OX-LB Automatic fast switching

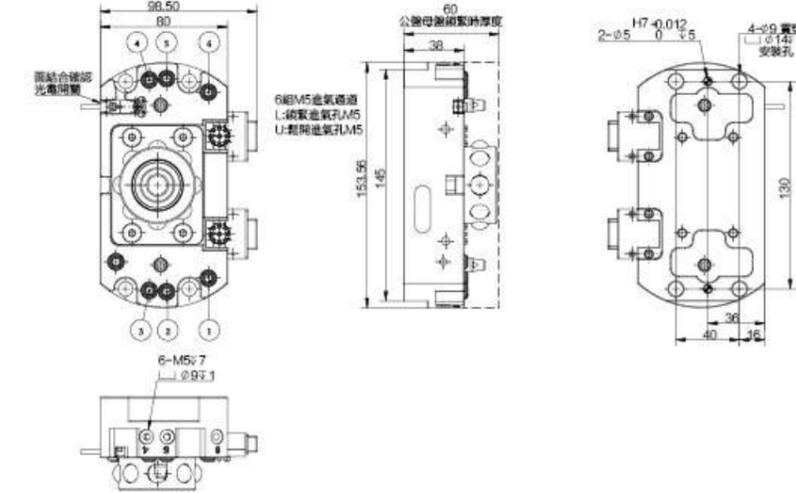
- 建議負載30KG; Payload capacity 30KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 內置在位檢測裝置; Grasp detecting device inside;
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離。 Mechanical fault insurance mechanism,even if the main disc dies unexpectedly,it will not separate with tool disc.



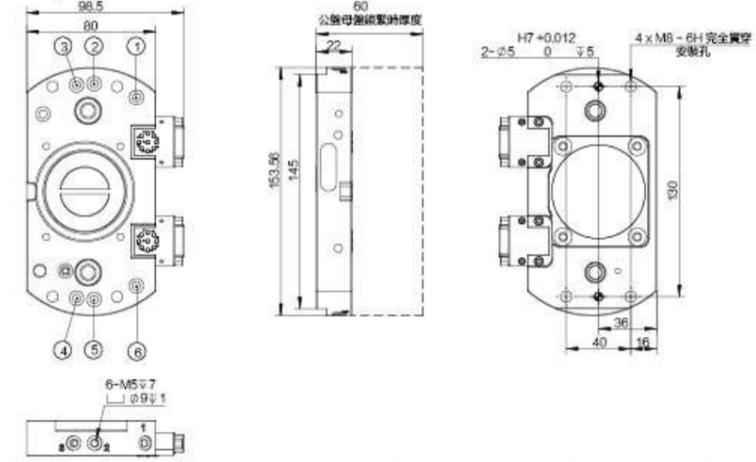
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity		30kg	
	位置重複精度 Positon repeatability		± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)		113Nm
		扭矩方向 Torque direction (Mr)		146Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)		3150N	
	材質 Material	本體 Main body		鋁合金
		鎖緊機構部分 Locking mechanism		鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)			∅153.56mm x ∅80mm x H 67.50mm
	產品重量 Product weight	主盤 Main disc		1.19kg
		工具盤 Tool disc		0.70kg
拆裝機構 Disassembling institutions			鋼球定位鎖緊 Steel ball position lock	
拆裝動作氣壓 Disassembling action pressure			0.39~0.7MPa (4~7kgf/cm ²)	
允許溫度與溫度範圍 Allowable temperature and humidity			0~55℃, 0~95% (不結露No condensation)	
通用 General	通氣孔 Pneumatic port		M5 x 6個	
控制部分 Control body	面結合確認 Face-to-face confirmation	確認快換公母鎖緊 Confirm quick change male and female lock	內置1個光電開關 Built-in 1 power transmission switch (直流通3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2x2Ax9PIN	

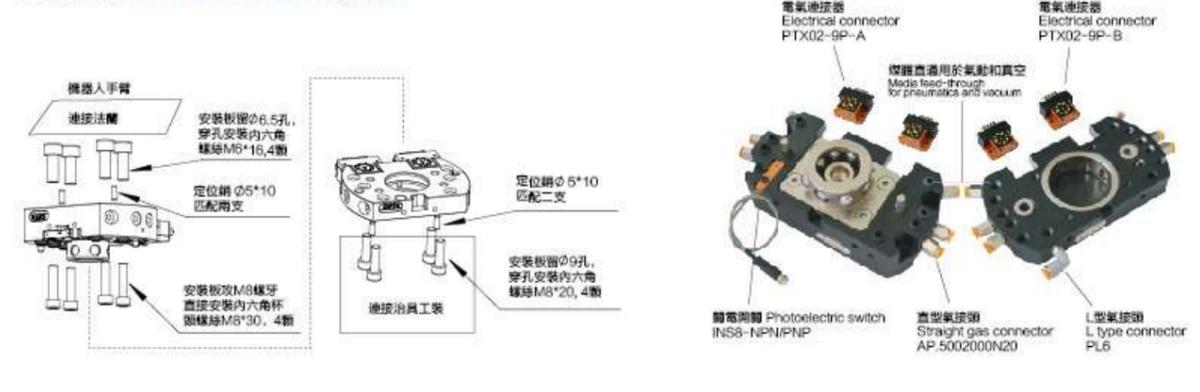
OX-LB-A(機械手端 Robot side)



OX-LB-B(治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

●機械手治具快換 Manipulator Fixture quick change

●機械手治具快換 Manipulator Fixture quick change

OX-LBDI自動快切換 OX-LBDI Automatic fixture quick switch

- 建議負載40KG; Payload capacity 40KG;
- 採用鋼球鎖緊方式; Steel ball lock system;
- 具有防塵功能; With dustproof function;
- 內置在位檢測裝置; Grasp detecting device inside;
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離。 Mechanical fault insurance mechanism,even if the main disc dies unexpectedly,it will not separate with tool disc.

規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	40kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	157Nm
		扭矩方向 Torque direction (Mr)	216Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	4090N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	∅110mm x ∅110mm x H 60mm	
	產品重量 Product weight	主盤 Main disc	1.34kg
		工具盤 Tool disc	0.64kg
拆裝機構 Disassembling institutions	鋼球定位鎖緊 Steel ball position lock		
拆裝動作氣壓 Disassembling action pressure	0.39~0.7MPa (4~7kgf/cm ²)		
允許溫度與濕度範圍 Allowable temperature and humidity	0~55℃, 0~95% (不結露No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x10個	
控制部分 Control body	面結合確認 Face-to-face confirmation	確認快換公母鎖緊 Confirm quick change male and female lock 內置1個光電開關 Built-in 1 power transmission switch (直流3線式)	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal 2x2Ax9PIN	

OX-LBDI-A(機械手端 Robot side)

面結合確認
光電開關
10組進氣孔
L:鎖緊進氣孔
U:鬆開進氣孔
4-∅6.30貫穿安裝孔
12-M5 ∇ 10
公盤母盤鎖緊時高度
60
38
12.50
128.50
110
80
8
7
6
5
9
10
4 3 2 1
H7 +0.012
2-∅6 0 ∇ 5

OX-LBDI-B(治具端 Gripper side)

公盤母盤鎖緊時高度
60
22
12
110
80
8
7
6
5
9
10
4 3 2 1
4-∅6.30貫穿安裝孔
10-M5 ∇ 10
H7 +0.012
2-∅5 0

安裝說明 / Anstallation Description

機器人手臂
連接法蘭
定位銷∅6*10
匹配兩支
安裝板留∅6.5孔,
穿孔安裝內六角螺絲
M6*20, 4顆
安裝板攻M6螺牙
直接安裝, 內六角杯頭
螺絲M6*20, 4顆

連接治具工業
安裝板攻M6螺牙
直接安裝內六角杯頭
螺絲M6*20, 4顆
定位銷∅6*10
匹配兩支

直氣球頭
Straight gas connector
AP.5002000N20

電氣連接器
Electrical connector
PTX02-9P-A

光電開關
Photoelectric switch
INS8-NPN/PNP

電氣連接器
Electrical connector
PTX02-9P-B

L型氣球頭
L type connector
PL6

螺絲直通用於氣動和真空
Made feed-through
for pneumatics and vacuum

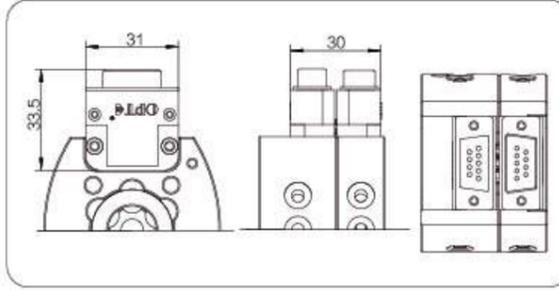
快換裝置

快換裝置

● 電氣模塊 Electrical modules

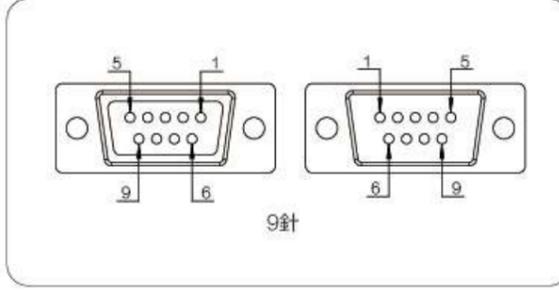


PTX02-9P-B PTX02-9P-A





PTXZ01-9P-A PTXZ01-9P-B



9針

接線圖 wiring plan

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
機械手端 Robot side	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
治具端 Gripper side	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

型號 Model	I/O連接類型 I/O connection type	工作電流 Working Current	分解電壓 Break down voltage	溫度範圍 Temperature range	接觸 Contact	適用於 This only suit for	單價(元) Price(yuan)
PTX02-9P-A	9針D-SUB高密型-VGA類型 9pins D-SUB-high density connector-VGA type	2A	24V	-55°C + +105°C	鍍金 Gold plated	OX-SBS, OX-SB, OX-LB, OX-SBDI, OX-XB, OX-LBDI	
PTX02-9P-B	9針D-SUB高密型-VGA類型 9pins D-SUB-high density connector-VGA type	2A	24V	-55°C + +105°C	鍍金 Gold plated	OX-SBS, OX-SB, OX-LB, OX-SBDI, OX-XB, OX-LBDI	

型號 Model	I/O連接類型 I/O connection type	線纜長度 Cable length	絕緣體 Insulation	屏蔽 Temperature range	護套 Sheath	溫度範圍 Temperature range	電壓範圍 Voltage range	最高電流 Sheath	適用於 This only suit for	單價(元) Price(yuan)
PTXZ01-9P-A	9針D-SUB高密型-VGA類型 9pins D-SUB-high density connector-VGA type	3M	PVC	100%鋁-聚酰亞胺 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C + +105°C	0+250 Vac	0.5 A	OC50, OC90, OC150, OC160, OC200, OX-SBS, OX-SB, OX-LB, OX-SBDI, OX-XB, OX-LBDI	
PTXZ01-9P-B	9針D-SUB高密型-VGA類型 9pins D-SUB-high density connector-VGA type	1.5M	PVC	100%鋁-聚酰亞胺 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C + +105°C	0+250 Vac	0.5 A	OC50, OC90, OC150, OC160, OC200, OX-SBS, OX-SB, OX-LB, OX-SBDI, OX-XB, OX-LBDI	

NOTES

快換裝置

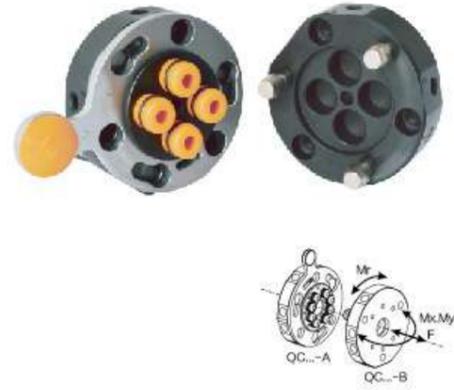
快換裝置

● 手動系列/Manual series

● 手動系列/Manual series

OC50手动快切换 OC50 fast conversion module

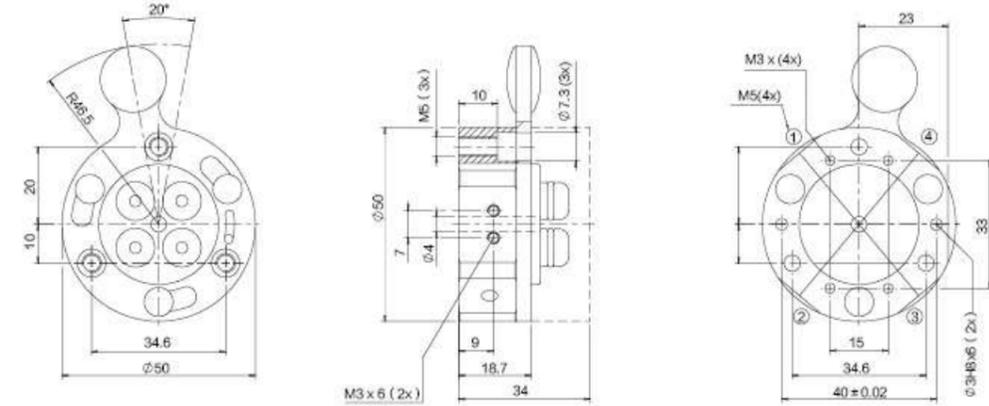
- 載重3KG; Payload capacity 3KG;
- 採用卡盤鎖緊方式; Adopt chuck locking method;
- 具有防塵功能; With dustproof function;
- 體積小重量輕; Small volume light weight
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。 Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



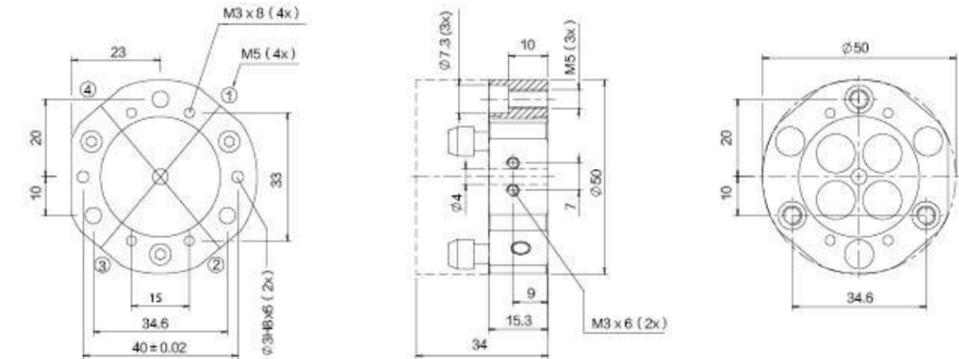
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	3 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	10Nm
		扭矩方向 Torque direction (Mr)	16.9Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	150N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ50mm x H 34mm	
	產品重量 Product weight	主盤 Main disc	0.11kg
		工具盤 Tool disc	0.067kg
拆裝機構 Disassembling institutions	卡盤鎖緊 Chuck lock		
拆裝方式 Disassembly method	手動 Manual		
允許溫度與溫度範圍 Allowable temperature and humidity	0-55℃, 0-95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	M5 x 4個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 9PIN

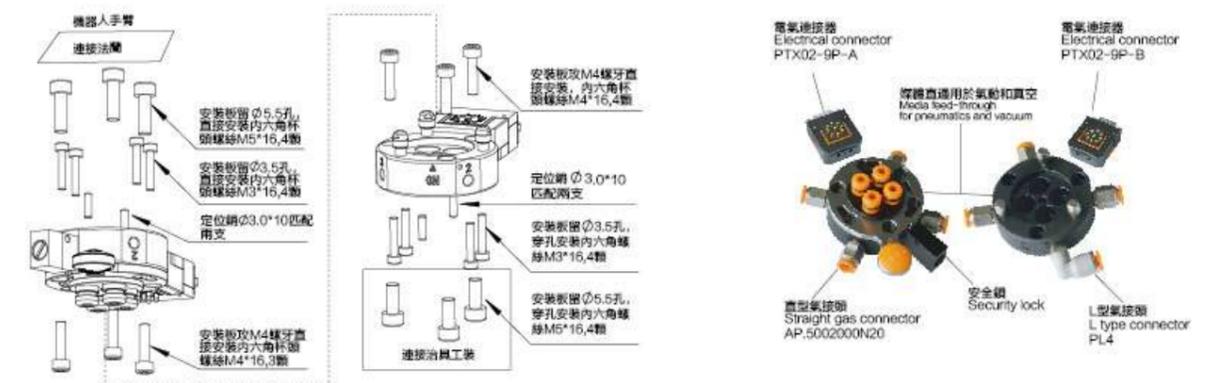
OC50-A (機械手端 Robot side)



OC50-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

●手動系列/Manual series

●手動系列/Manual series

OC90手動快切換 OC90 fast conversion module

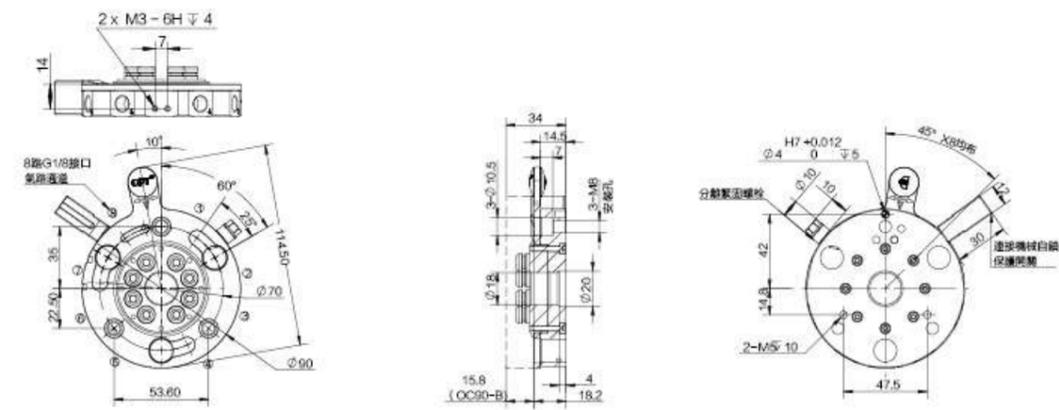
- 載重10KG; Payload capacity 10KG;
- 採用卡盤鎖緊方式; Adopt chuck locking method;
- 具有防塵功能; With dustproof function;
- 體積小重量輕; Small volume light weight
- 採用機械式故障保險機構,即使主盤意外斷氣,主盤與工具盤也不會分離。
Mechanical fault insurance mechanism,even if the main disc dies unexpectedly,it will not separate with tool disc.



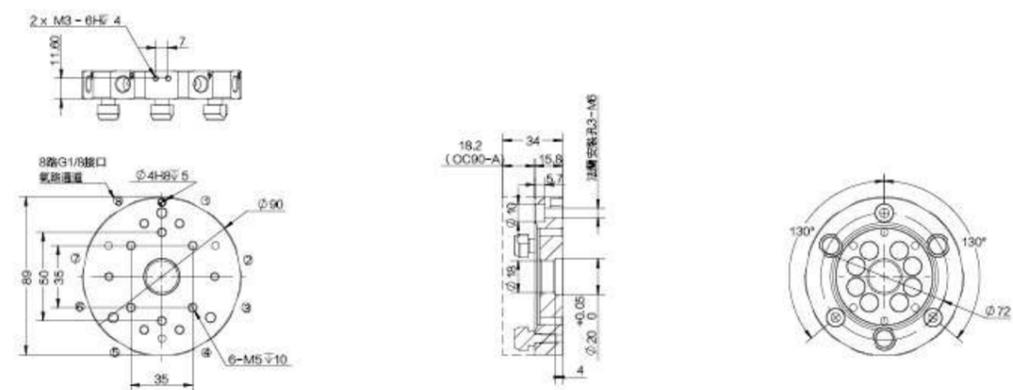
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	10 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	100Nm
		扭矩方向 Torque direction (Mr)	60Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	400N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	φ 89mm x H 34mm	
	產品重量 Product weight	主盤 Main disc	0.22kg
		工具盤 Tool disc	0.15kg
拆裝機構 Disassembling institutions	卡盤鎖緊 Chuck lock		
拆裝方式 Disassembly method	手動 Manual		
允許溫度與溫度範圍 Allowable temperature and humidity	0-55℃, 0-95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	1/8 x 8個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	2A x 9PIN

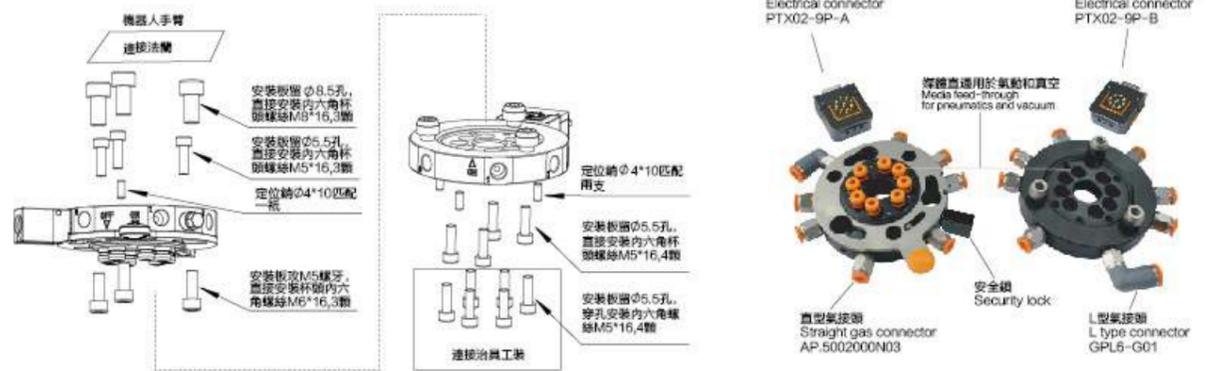
OC90-A (機械手端 Robot side)



OC90-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

●手動系列/Manual series

OC200手動快切換 OC200 fast conversion module

- 建議負載75KG;
Payload capacity 75KG;
- 採用卡盤定位鎖緊方式;
Using chuck positioning and locking;
- 具有防塵功能;
With dustproof function;
- 內置抓緊、鬆開、在位檢測裝置;
Grasp, loosen, reign detecting device inside;
- 採用3種模塊安裝方式;
3 kinds of module installations;
- 擁有行業內同負載最薄的鎖緊連接厚度;
It has the thinnest lock connection thickness with the load in the industry;
- 採用機械式故障保險機構, 即使主盤意外斷氣, 主盤與工具盤也不會分離。
Mechanical fault insurance mechanism, even if the main disc dies unexpectedly, it will not separate with tool disc.



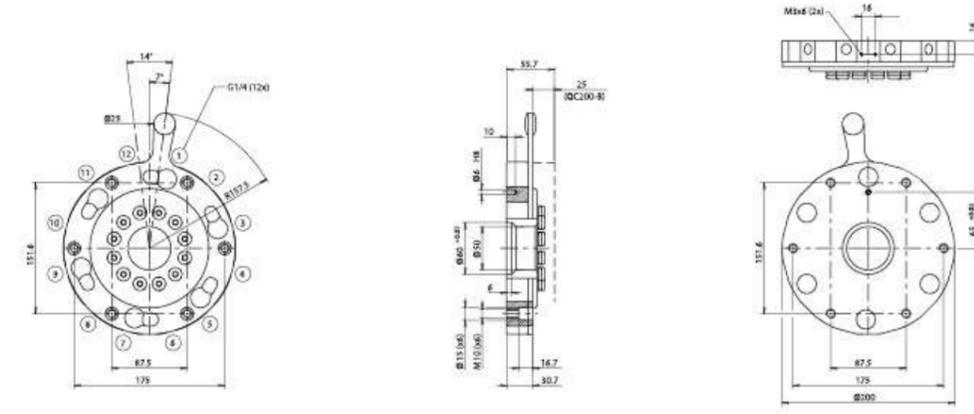
規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	75 kg	
	位置重複精度 Positon repeatability	±0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx, My)	600Nm
		扭矩方向 Torque direction (Mr)	450Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2000N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	∅200mm x H 55.7mm	
	產品重量 Product weight	主盤 Main disc	2.57kg
		工具盤 Tool disc	1.64kg
拆裝機構 Disassembling institutions	卡盤鎖緊 Chuck lock		
拆裝方式 Disassembly method	手動 Manual		
允許溫度與溫度範圍 Allowable temperature and humidity	0-55℃, 0-95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	1/4 x 12個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	4 x 2A x 9PIN

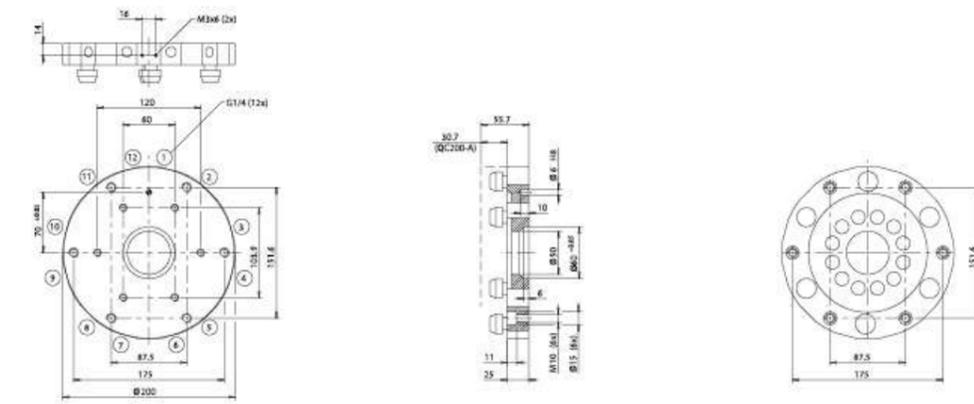
快換裝置

●手動系列/Manual series

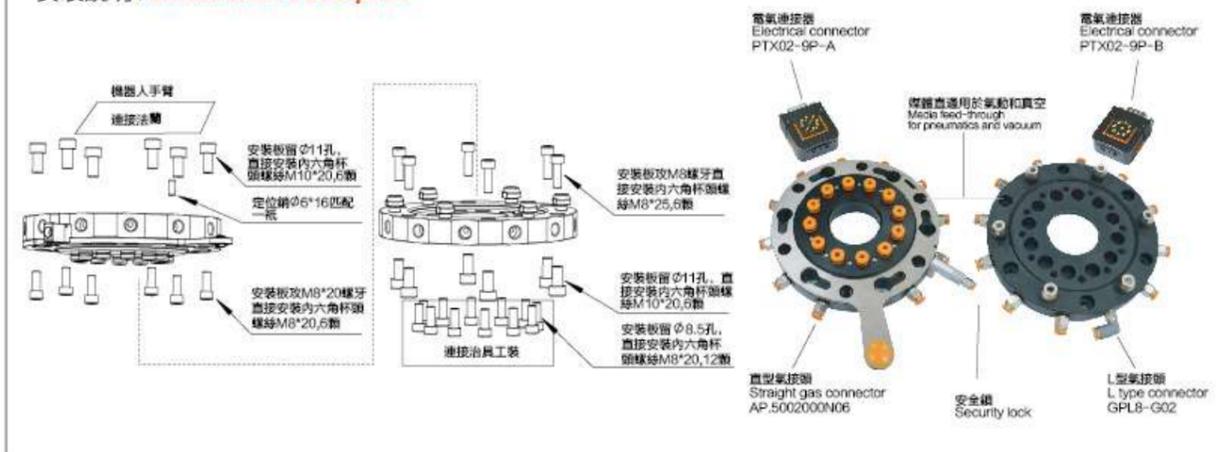
OC200-A (機械手端 Robot side)



OC200-B (治具端 Gripper side)



安裝說明 / Anstallation Description



快換裝置

快換裝置

● 手動系列/Manual series

緊固 Fastening

型號 Model	A	B	C	D	E	F	G	H	單價(元) Price(yuan)
OC50-A	Φ3(2x)	M5(3x)	Φ3(2x)	M4(3x)	Φ3(3x)	M3(4x)	Φ3(3x)	Φ3(3x)	
OC90-A	-	M8(3x)		M6(3x)		M5(2x)	Φ20	Φ4(1x)	
OC150-A	-	M10(5x)		M8(5x)			Φ50	Φ5(1x)	
OC160-A	-	M10(5x)		M8(5x)			Φ50		
OC200-A	-	M10(6x)		M8(5x)				Φ6(1x)	

型號 Model	L	M	N	P	Q	R	S	單價(元) Price(yuan)
OC50-B	Φ3(2x)	M5(3x)	Φ3(2x)	M4(3x)	Φ3(3x)	M3(4x)	-	
OC90-B	-	-	-	-	-	M5(6x)	Φ20	
OC150-B	-	M10(5x)	-	M8(5x)	-	M6(8x)	Φ50	
OC160-B	-	M10(5x)	-	M8(5x)	-	M6(8x)	Φ50	
OC200-B	Φ6(1x)	M10(6x)	-	M8(5x)	-	-	Φ60	

電氣模塊 Electrical modules

PTC02-9P-A

PTC02-9P-B

PTXZ01-9P-A

PTXZ01-9P-B

9針

● 電氣模塊 Electrical modules

接線圖 wiring plan

型號 Model	I/O連接類型 I/O connection type	工作電流 Working Current	分解電壓 Break down voltage	溫度範圍 Temperature range	接觸 Contact	適用於 This only suit for	單價(元) Price(yuan)
PTC02-9P-A	9針D-SUB高密型-VGA類型	2A	24V	-55°C ~ +105°C	鍍金 Gold plated	OC50, OC90, OC150, OC160, OC200	
PTC02-9P-B	9pins D-SUB-high density connector-VGA type	2A	24V	-55°C ~ +105°C	鍍金 Gold plated		

型號 Model	I/O連接類型 I/O connection type	線纜長度 Cable length	絕緣體 Insulation	屏蔽 temperature range	護套 Sheath	溫度範圍 Temperature range	電壓範圍 Voltage range	最高電流 Sheath	適用於 This only suit for	單價(元) Price(yuan)
PTXZ01-9P-A	9針D-SUB高密型-VGA類型	3M	PVC	100%銅-鍍金薄鍍 -28至26AWG 100% aluminum-Mylar foil -28 to 26 SWG	PVC	-55°C ~ +105°C	0~250 Vac	0.5 A	OC50, OC90, OC150, OC160, OC200, OX-SBS, OX-SB, OX-LB, OX-SBDL, OX-XB, OX-LBDL	
PTXZ01-9P-B	9pins D-SUB-high density connector-VGA type	1.5M								

快換裝置

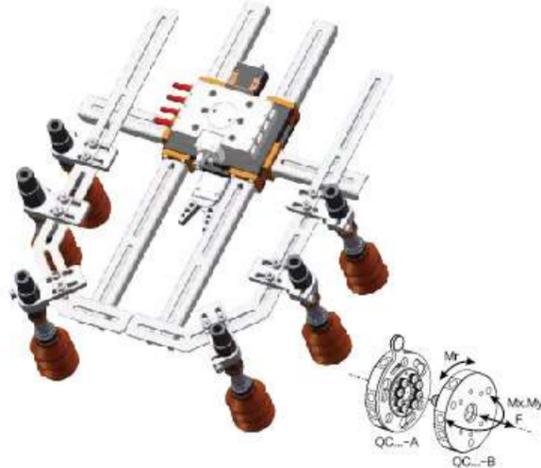
快換裝置

● 機械手專用快換盤 Quick change plate for manipulator

● 機械手專用快換盤 Quick change plate for manipulator

OCX-92機械手專用快換盤 OCX-92 Quick change plate for manipulator

- 手動控制快換盤切換，安全可靠。
Manually control quick-change plate switching, safe and reliable.
- 內嵌式快速接頭設計，節省空間，安裝快捷
Built-in quick connector design, saving space and quick installation
- 帶彈簧輔助自鎖設計
Self-locking design with spring assist
- 治具調整方便
Easy to adjust the fixture

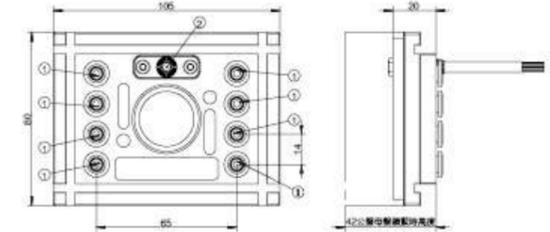
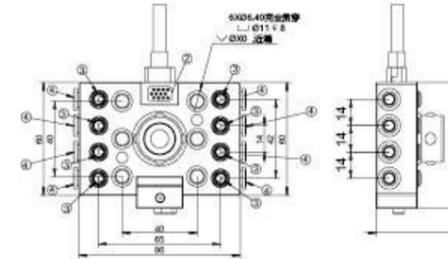


規格參數 Specifications

本體部分 Mainbody	可搬運重量 (額定負載) Payload capacity	75 kg	
	位置重複精度 Positon repeatability	± 0.02mm	
	靜態允許力矩 Allowable moment	彎矩方向 Bending direction (Mx,My)	600Nm
		扭矩方向 Torque direction (Mr)	450Nm
	鎖緊力 Tight locking force (當氣壓 0.49Mpa 時)	2000N	
	材質 Material	本體 Main body	鋁合金
		鎖緊機構部分 Locking mechanism	鋁合金
	外形尺寸 Housing diameter (鎖緊時Lock)	∅ 200mm x H 55.7mm	
	產品重量 Product weight	主盤 Main disc	2.57kg
		工具盤 Tool disc	1.64kg
拆裝機構 Disassembling institutions	卡盤鎖緊 Chuck lock		
拆裝方式 Disassembly method	手動 Manual		
允許溫度與溫度範圍 Allowable temperature and humidity	0-55℃, 0-95% (不結露 No condensation)		
通用 General	通氣孔 Pneumatic port	1/4 x 12個	
組件 Component (選配 Option)	通用 General	電信號點 Electrical signal	4 x 2A x 9PIN

OCX-92A (機械手端 Robot side)

OCX-92B (治具端 Gripper side)

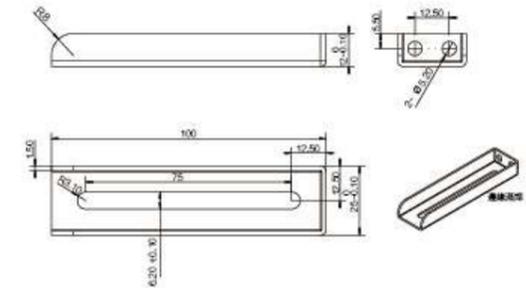
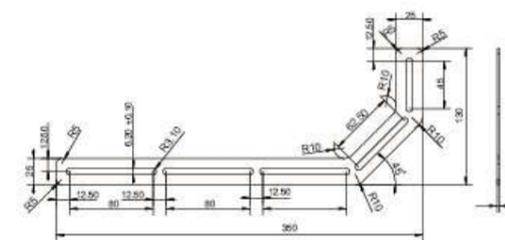


- ② 12PIN連接器
- ③ 8組公母雙連接氣嘴
- ④ 8組通氣孔

- ① 8組90°通氣孔
- ② 12PIN通氣孔

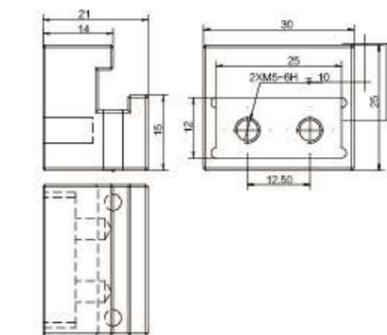
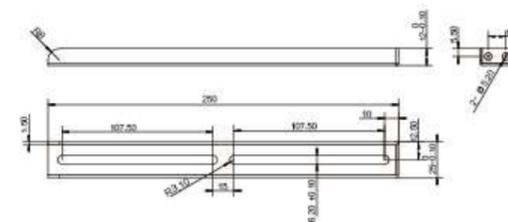
安裝板350-140-25

安裝臂25-100



安裝臂25-250

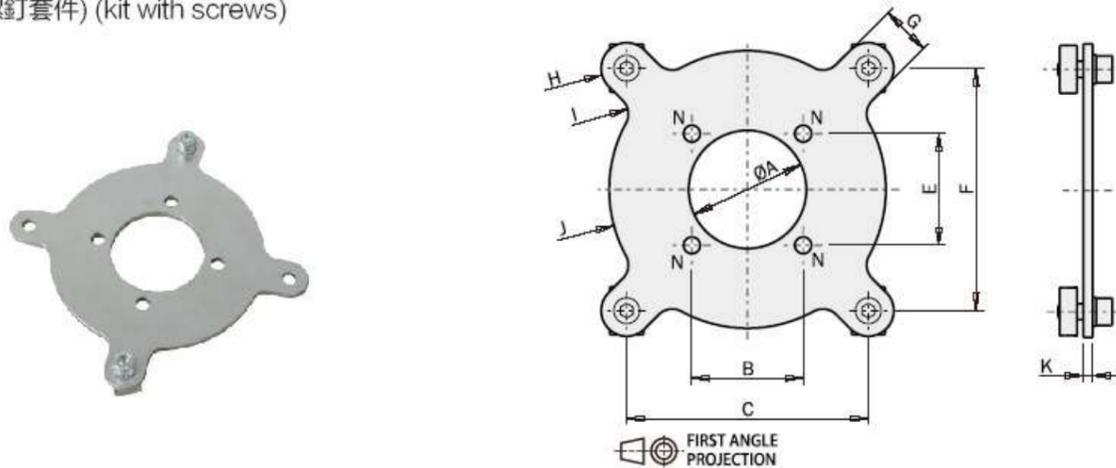
滑塊-30



≡ EOAT型材夾具

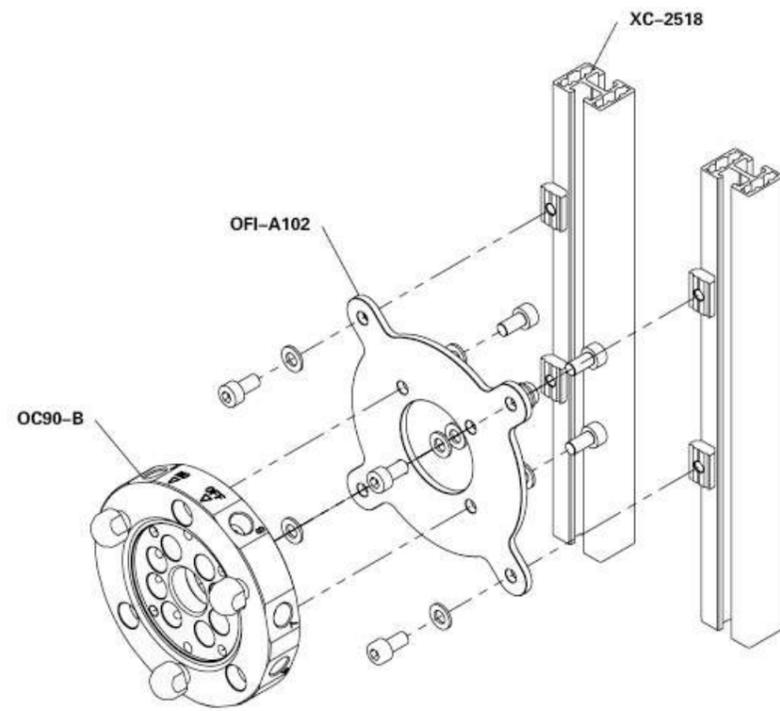
● OFI

快速轉換模塊接口 Interface for QC quick changer
(含螺釘套件) (kit with screws)



型號 Model	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	N (mm)	適用產品 This only Suit	重量 Weight	單價(元) Price(yuan)
OFI-A102	Φ37	35	76	35	76	16	8	6	43.5	3	Φ5.2	OC90-B	190g	
OFI-A103	Φ70	74	130	52	110	24	12	15	72.5	4	Φ6.2	OC150-B	540g	

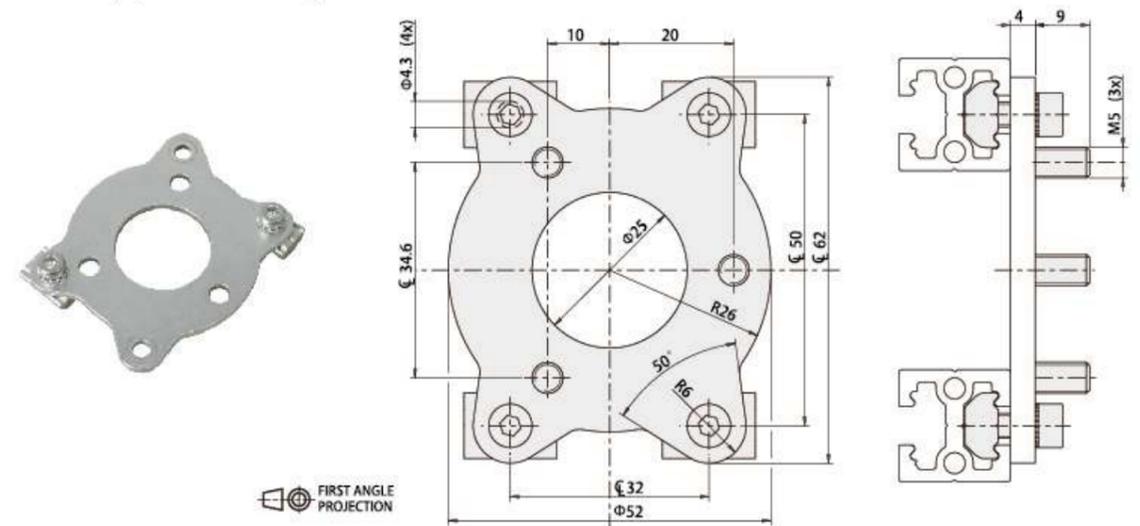
運用實例 / Application example



EOAT型材夾具 ≡

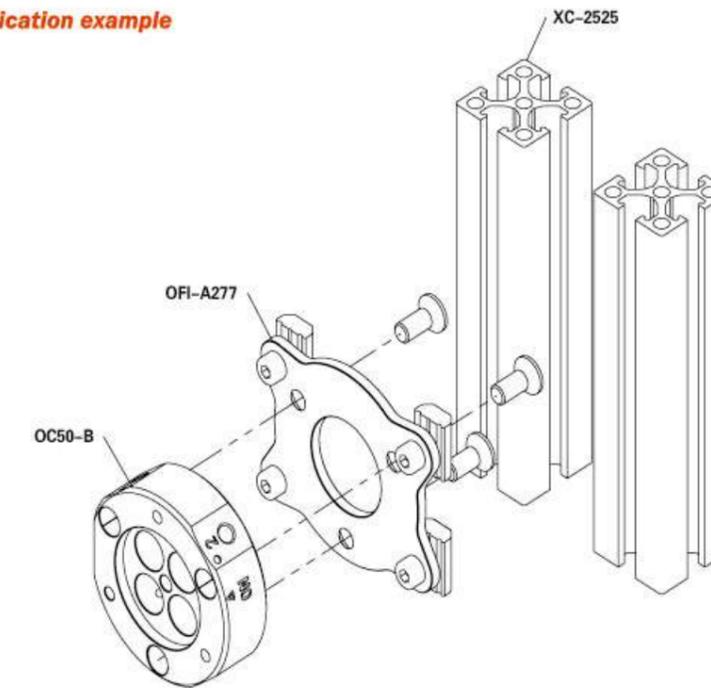
● OFI

快速轉換模塊接口 Interface for QC quick changer
(含螺釘套件) (kit with screws)



型號 Model	OC...-B	重量 (Weight)	單價(元) Price(yuan)
OFI-A277	OC50-B	90g	

運用實例 / Application example



EOAT型材夾具

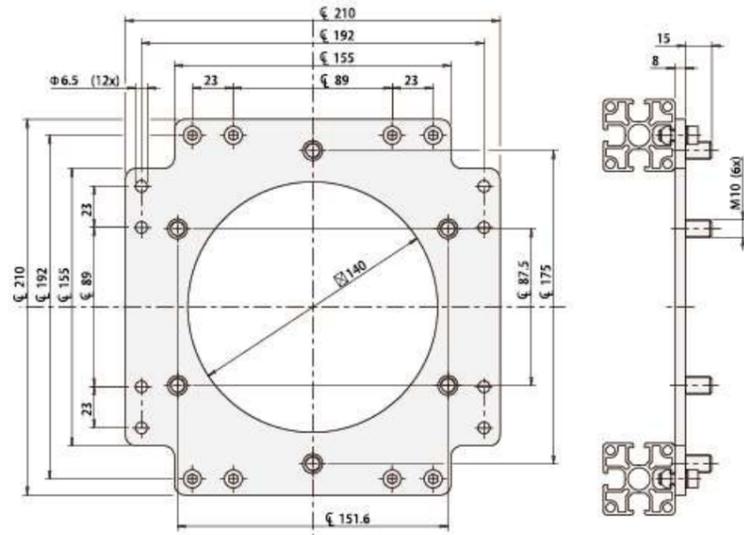
EOAT型材夾具

• OFI

• OFI

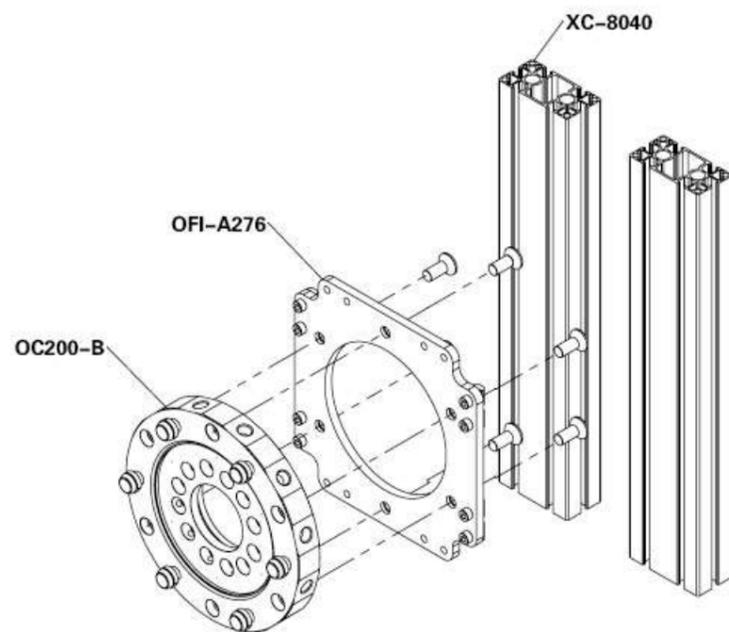
快速轉換模塊接口 Interface for QC quick changer
(含螺釘套件) (kit with screws)

管子與QC...-B之間的接口 Interface between tubes and QC...-B
(含螺釘套件) (kit with screws)



型號 Model	OC...-B	重量 (Weight)	單價(元) Price(yuan)
OFI-A276	OC200-B	1850g	

運用實例 / Application example



OFI-A313

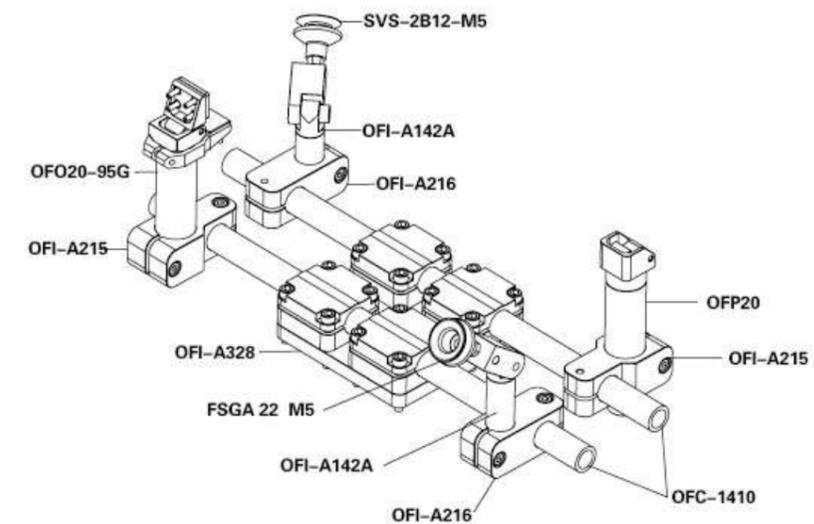
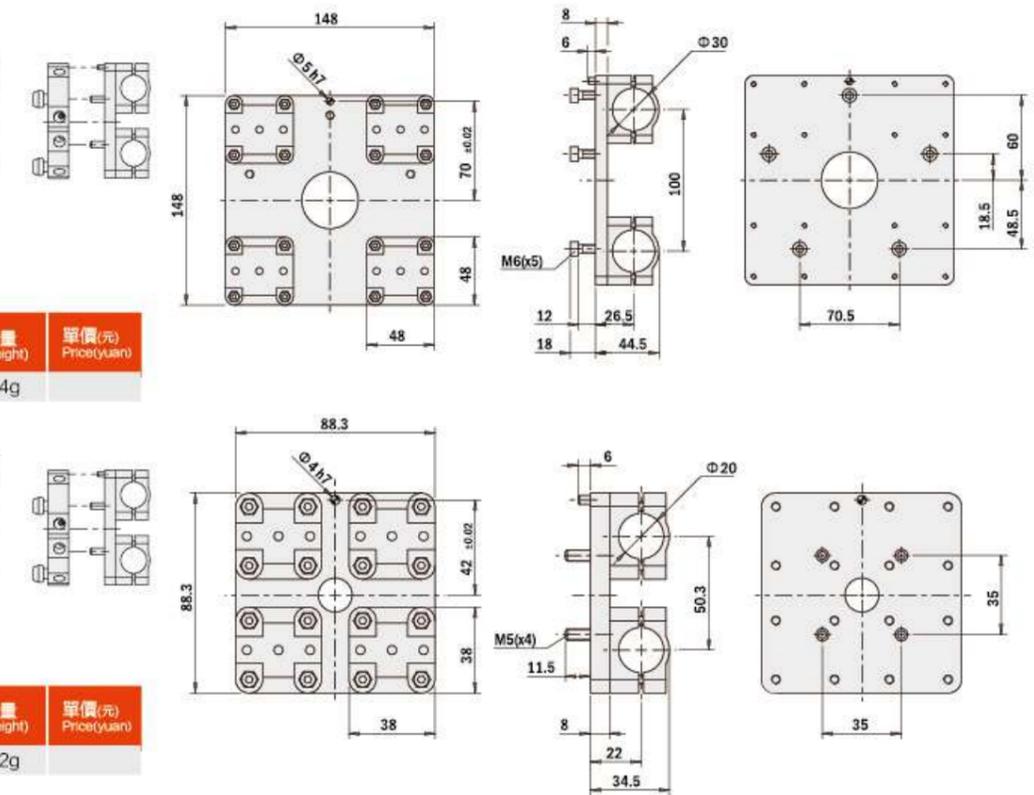
型號 Model	重量 (Weight)	單價(元) Price(yuan)
OFI-A313	744g	



OFI-A328

型號 Model	重量 (Weight)	單價(元) Price(yuan)
OFI-A328	322g	

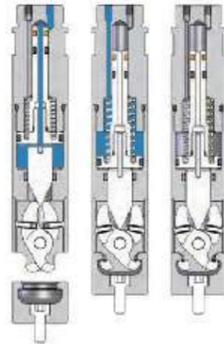
運用實例 / Application example



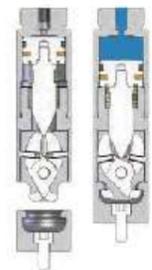
EOAT型材夾具

● 定位器系列

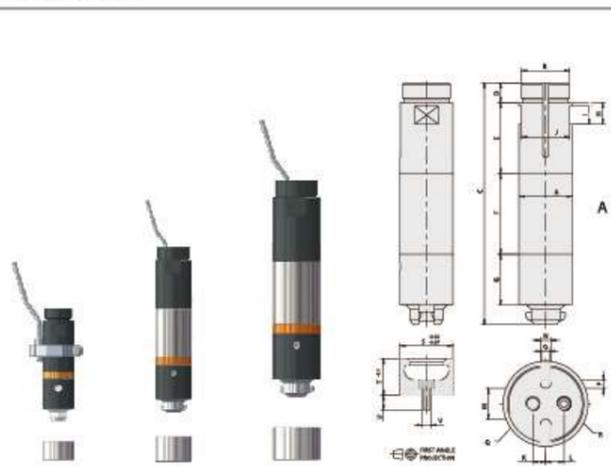
模具定位器



型號 Model	釋放前無壓縮空氣時的 最大軸向載荷 Maximum axial load without compressed air before releasing	破裂前有壓縮空氣時的 最大軸向載荷 Maximum axial load without compressed air before releasing	壓力範圍 Pressure range	溫度範圍 Temperature range	單價(元) Price(yuan)
OGG19-B	0N	2000N	2+8bar(NO)	5+60° C	
OGG21-B	600N	2000N	4+8bar(NC)		
OGG30-B	1400N	5000N	4.5+8bar(NC)		



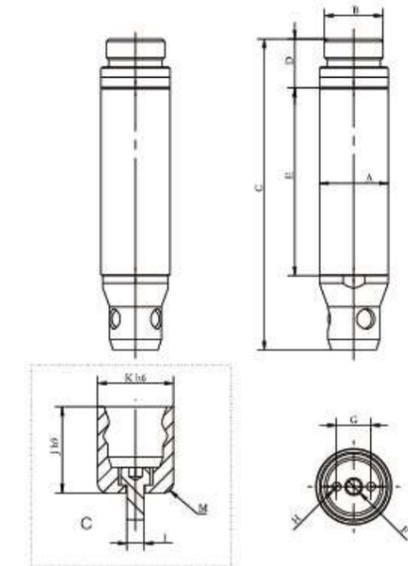
● 定位器系列



型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	重量 Weight	單價(元) Price(yuan)
OGG19-A	Φ20	M17x1	70.5	8	32	4	19.5	10	8	18	0	-	-	-	-	-	M5	-	85g	
OGG21-A	Φ20	M17x1	96.5	8	28	34	19.5	10	8	18	2.8	4.6	6	3.8	3	2.8	M3	M3	118g	
OGG30-A	Φ30	M27x1	136	11	40	45.4	28.6	12	10	27	4.5	6.5	11	3.8	3	2.8	M5	M5	390g	

EOAT型材夾具

● 定位器系列



型號 Model	釋放前無壓縮空氣時的 最大軸向載荷 Maximum axial load without compressed air before releasing	破裂前有壓縮空氣時的 最大軸向載荷 Maximum axial load without compressed air before releasing	壓力範圍 Pressure range	溫度範圍 Temperature range	單價(元) Price(yuan)
OGJ20-B	600N	750N	2+8bar(NO)	5+60° C	
OGJ30-B	1400N	1500N	4.5+8bar(NC)		

型號 Model	A	B	C	D	E	F	G	H	單價(元) Price(yuan)	型號 Model	I	J	K	L	M	單價(元) Price(yuan)
OGJ20-A	Φ20	M17x1	91	33	58	M5	16	Φ25x25		OGJ20-C	G1/8	2.5	22	7.7	R3	
OGJ30-A	Φ30	M27x1	133.5	43.5	90	M6	26	Φ25x25		OGJ30-C	G1/8	3.2	34	9.0	R3	

運用實例 / Application example



EOAT型材夾具

● QB工業鋁型材技術特性 Technical characteristics of QB industrial aluminum profile

一、QB工業鋁型材化學成分B QB industrial aluminum profile chemical composition

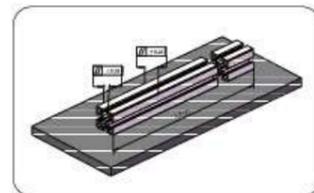
成份牌號 Ingredients 6063	矽Si 0.20-0.60	鐵Fe ≤0.35	銅Cu ≤0.10	鉻Cr ≤0.10	鎂Mg ≤0.49-0.90	錳Mn ≤0.10
	鋅Zn	鈦Ti		其他元素		鋁Al
	≤0.10	≤0.10		≤0.10		≤0.10

二、QB工業鋁型材機械性能 QB industrial aluminum profile mechanical properties

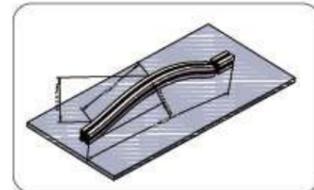
材質及狀態Material and status	6063T5	6063T6
抗拉強度Tensile strength	180Mpa	270Mpa
屈服強度Yield Strength	127 Mpa	202 Mpa
彈性模量Elastic Modulus	68600N/mm ²	69972N/mm ²
硬度Hardness	62HB	75HB
表面處理Surface treatment	陽極氧化處理, 鍍層15 μ以上	

T5-由高溫成型過程冷卻。
然後進行人工時效的狀態。
T6-固溶熱進行加工時效人工時效的狀態。
T5-Cooled in a high temperature molding process
Then the state of artificial aging is performed.
Solid solution heat is used for processing and aging artificial aging.

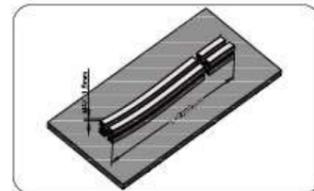
三、QB工業鋁型材公差範圍 QB industrial aluminum profile tolerance range



- 鋁型材的平行度：在5700mm範圍內，鋁型材平面交線及槽的平行度不大于±0.5mm。
- Parallelism of aluminum profiles: In the range of 5700mm, the parallelism of the plane intersection and groove of the aluminum profile is not more than ±0.5mm.



- 2. 鋁型材的直線度：至300mm長度內不大于±0.3mm,在2000mm長度度範圍內不超過±1.5mm。
- Straightness of aluminum profiles: It shall not exceed ±0.3mm in the length of 300mm, and shall not exceed ±1.5mm in the length of 2000mm.



- 鋁型材的扭曲度：在2000mm長度內最大為1.5mm
- Aluminum profile distortion: Up to 1.5mm in length of 2000mm

EOAT型材夾具

● 方形型材 Square beams

型材端蓋
Plugs for profile

10個一包
10 pieces package

型材選型圖

XC - 10 - 18 - 1000

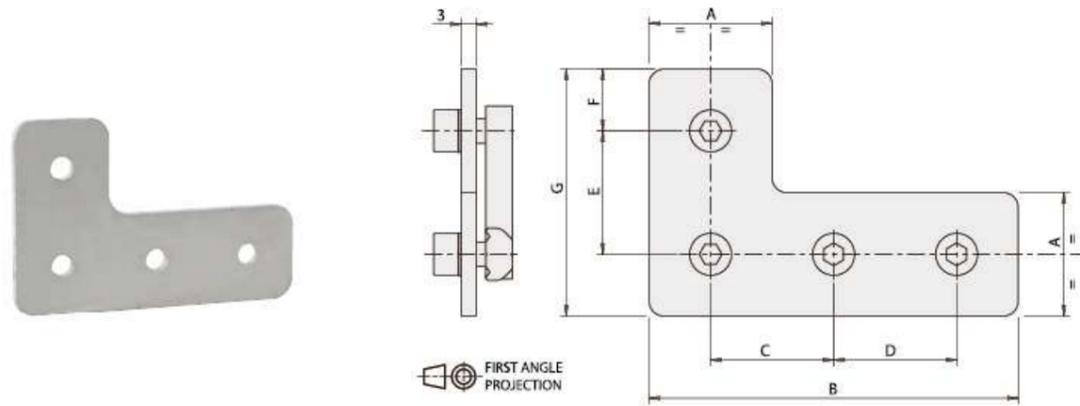
類型	高度	寬度	型材長度
OMB: 銀色	10: 10mm	18: 18mm	1000: 1m
XC: 黑色	18: 18mm	25: 25mm	2000: 2m
	25: 25mm	40: 40mm	
	40: 40mm		
	50: 50mm		
	80: 80mm		

型號	長度 (Length)	重量 (Weight)	Ix (mm ⁴)	Iy (mm ⁴)	端蓋 (Plugs)	單價(元) Price(yuan)
OMB-1018-1000	1m	250g	1084	3855	XCG-1018	
OMB-1018-2000	2m	500g	1084	3855	XCG-1018	
OMB-1818-1000	1m	400g	4381	6245	XCG-1818	
OMB-1818-2000	2m	800g	4381	6245	XCG-1818	
OMB-2510-1000	1m	280g	1305	7300	XCG-2510	
OMB-2510-2000	2m	560g	1305	7300	XCG-2510	
OMB-2518-1000	1m	400g	5647	11544	XCG-2518	
OMB-2518-2000	2m	800g	5647	11544	XCG-2518	
OMB-2525-1000	1m	610g	16298	16289	XCG-2525	
OMB-2525-2000	2m	1220g	16298	16289	XCG-2525	
OMB-5025-1000	1m	1040g	28882	111103	XCG-5025	
OMB-5025-2000	2m	2080g	28882	111103	XCG-5025	
OMB-4040-1000	1m	1300g	86387	86387	XCG-4040	
OMB-4040-2000	2m	2600g	86387	86387	XCG-4040	
OMB-8040-1000	1m	2180g	155462	587130	XCG-8040	
OMB-8040-2000	2m	4360g	155462	587130	XCG-8040	

≡ EOAT型材夾具

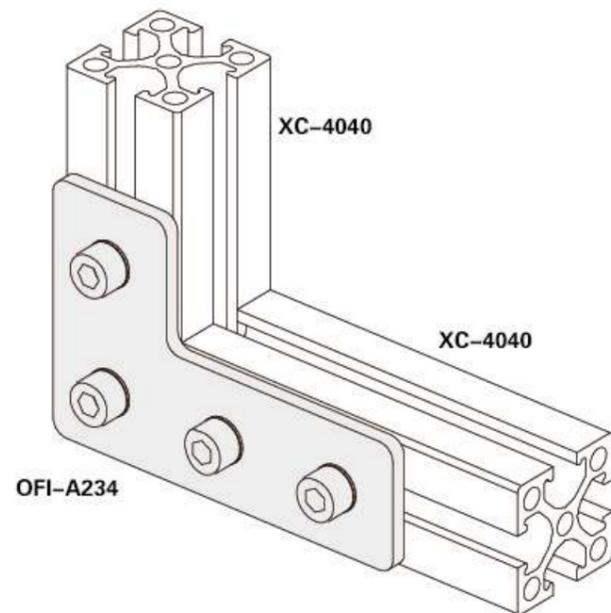
● OFI

L型固定板 L-shaped fixing plate
(含螺釘套件)(kit with screws)



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	OMB XC				重量 Weight	單價(元) Price(yuan)	
OFI-A232	25	50	25	-	25	12.5	50	2510	2518	2525	-	-	70g	
OFI-A233	25	75	25	25	25	12.5	50	2510	2518	2525	-	-	95g	
OFI-A234	40	120	40	40	40	20	80	-	-	-	4040	8040	200g	

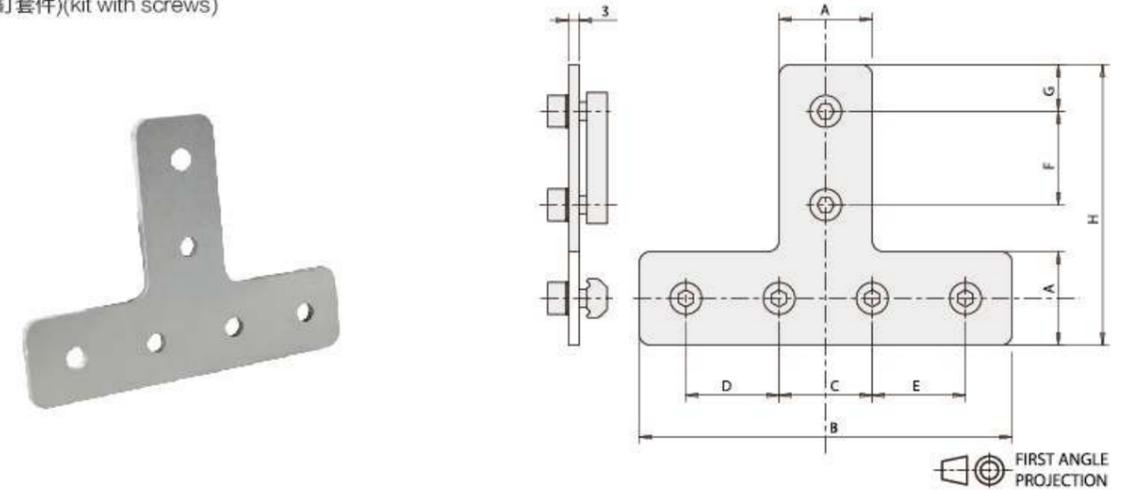
運用實例 / Application example



EOAT型材夾具 ≡

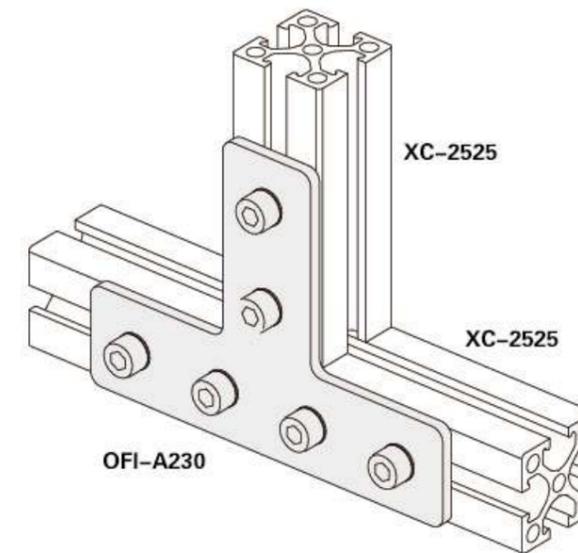
● OFI

T型固定板 T-shaped fixing plate
(含螺釘套件)(kit with screws)



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	OMB XC				重量 Weight	單價(元) Price(yuan)	
OFI-A229	25	50	25	-	-	25	12.5	75	2510	2518	2525	-	-	95g	
OFI-A230	25	100	25	25	25	25	12.5	75	2510	2518	2525	-	-	145g	
OFI-A231	40	120	90	-	-	40	15	110	-	-	-	4040	8040	250g	

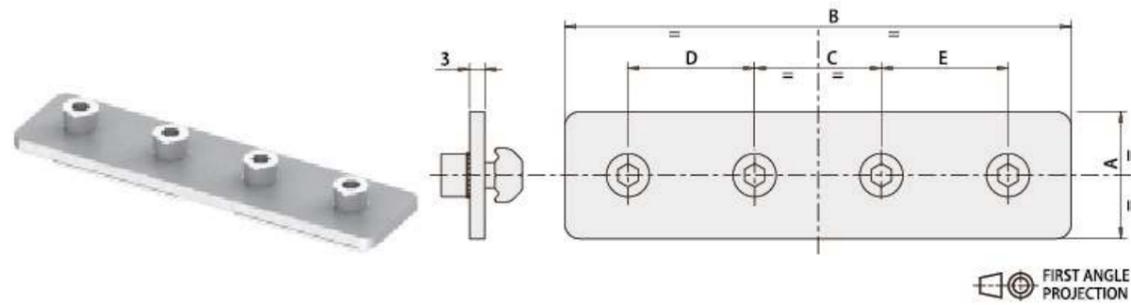
運用實例 / Application example



≡ EOAT型材夾具

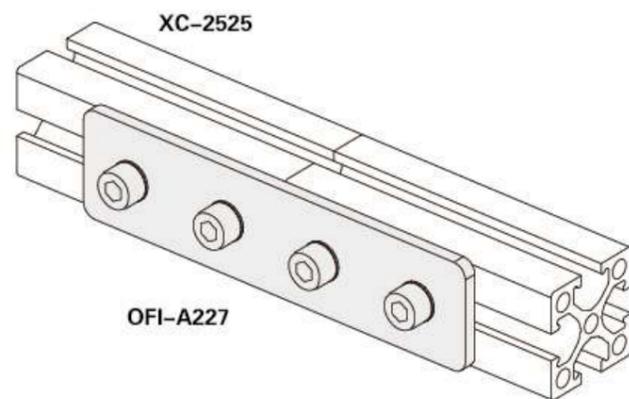
• OFI

直固定板 Straight fixing plate
(含螺釘套件)(kit with screws)



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	OMB XC					重量 Weight	單價(元) Price(yuan)
OFI-A226	25	50	25	-	-	2510	2518	2525	-	-	45g	
OFI-A227	25	100	25	25	25	2510	2518	2525	-	-	95g	
OFI-A228	40	160	40	40	40	-	-	-	4040	8040	195g	

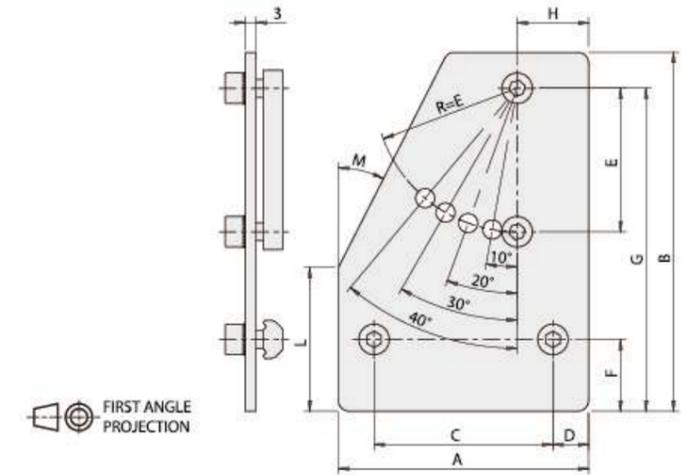
運用實例 / Application example



EOAT型材夾具 ≡

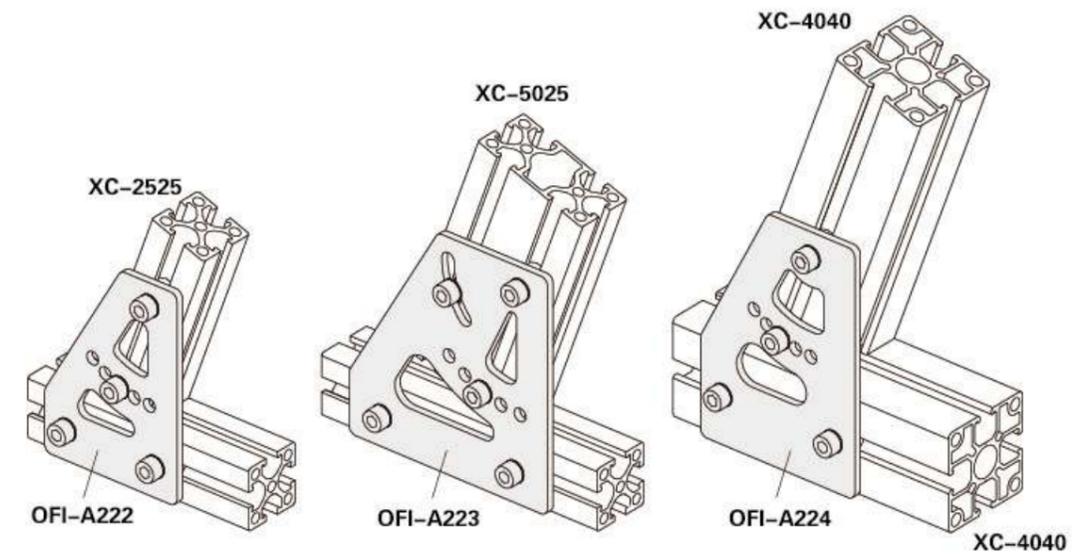
• OFI

可調節角度的固定板
Fixing plate with adjustable angle



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (mm)	OMB XC					重量 Weight	單價(元) Price(yuan)	
OFI-A222	60	85	40	10	40	12.5	76	12.5	25	30°	2510	2518	2525	5025	-	-	130g	
OFI-A223	90	95	60	15	50	12.5	86	12.5	25	30°	2510	2518	2525	5025	-	-	215g	
OFI-A224	70	100	50	10	40	20	90	20	40	27°	-	-	-	-	4040	8040	175g	

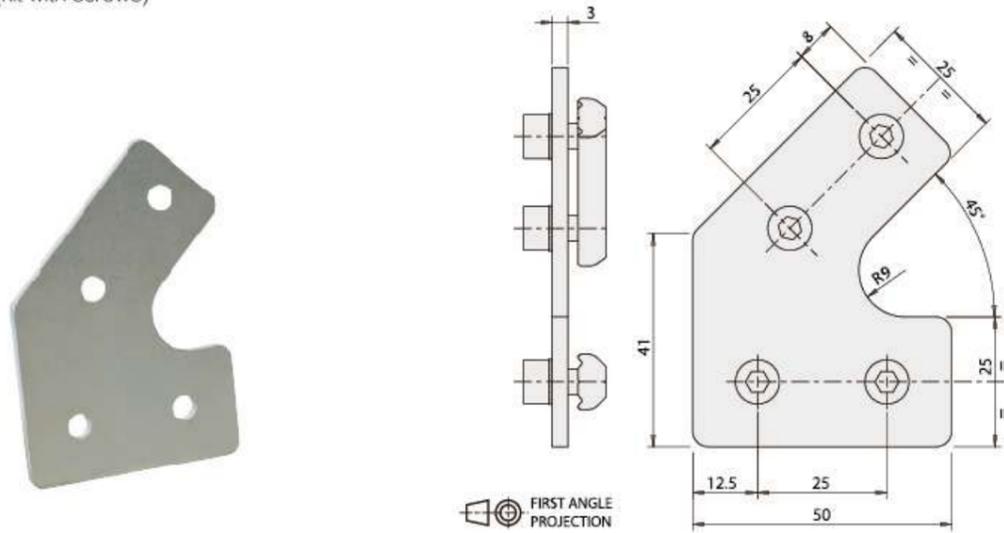
運用實例 / Application example



≡ EOAT型材夾具

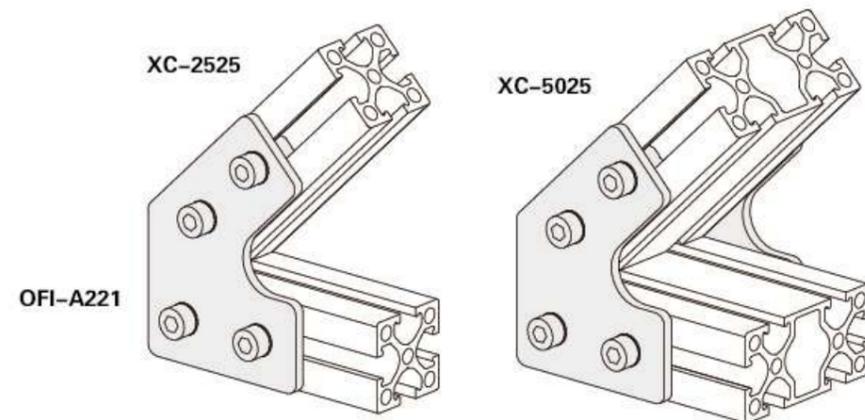
• OFI

45° 固定板 45° fixing plate
(含螺絲套件)(kit with screws)



型號 Model	重量 (Weight)	單價(元) Price(yuan)
OFI-A221	100g	

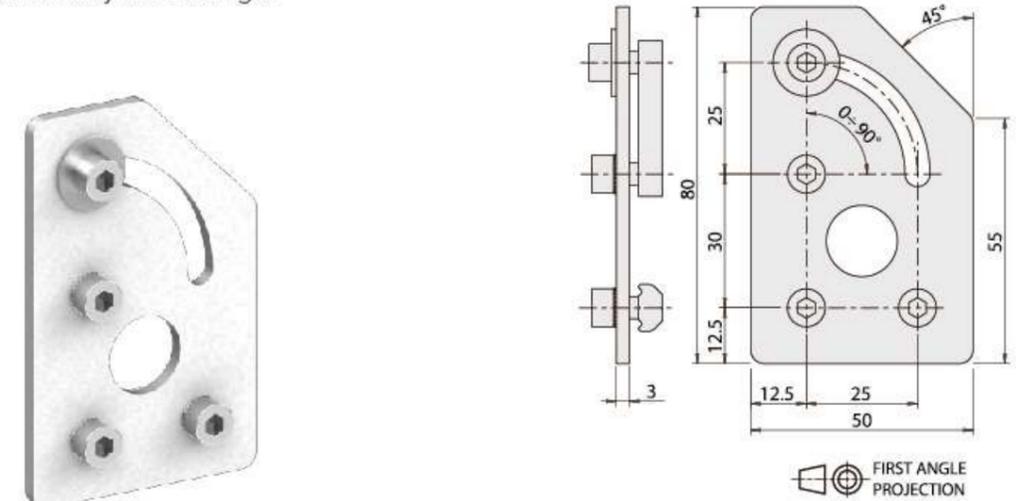
運用實例 / Application example



≡ EOAT型材夾具

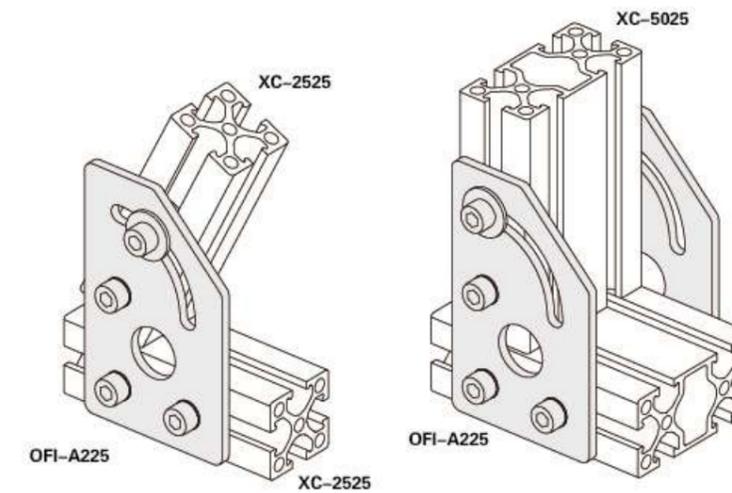
• OFI

可調節角度的固定板
Fixing plate with adjustable angle



型號 Model	重量 (Weight)	單價(元) Price(yuan)
OFI-A225	115g	

運用實例 / Application example



EOAT型材夾具

• OFI

螺絲-Screw

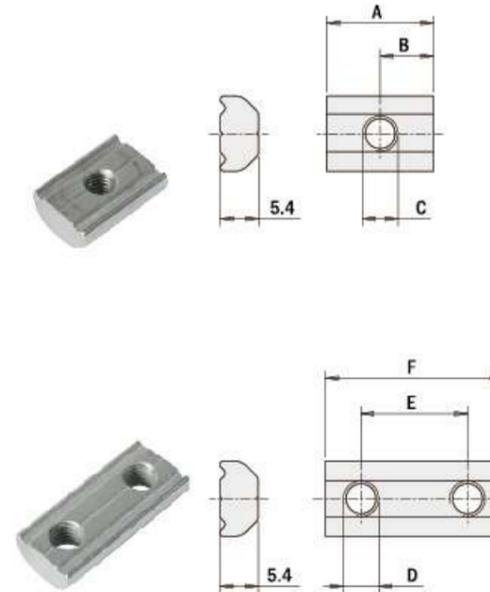


型號 Model	B (mm)	A (mm)	K (mm)	L (mm)	適用於 Applicable to	單價(元) Price(yuan)
M3*9				9	OPF-A33 OPF-A41 (開模塑料支架)	
M3*8	2.52	5.5	3	8	OPF-A39 (開模塑料支架)	
M3*15				15	OFI-A332(重型夾腿)	
M4*10				10	OPF-A36 (開模塑料支架)	
M4*12				12	OFI-A277(快換法蘭板)	
M4*14				14	OPF-A03 OPF-A05 OPF-A13 OPF-A12 OPF-A07 OPF-A08.....	
M4*16				16	OGR06.062 (圓形固定安裝座)	
M4*20	3.02	7	4	20	OPF-A08 OPF-A09 (開模塑料支架) OFI-A212 OFI-A213 (旋轉支撐)	
M4*22				22	OFI-B216 OFI-A36	
M4*25				25	OFI-A09 (固定支架)	
M4*26				26	OFI-A09 (固定支架)	
M4*28				28	OFI-A36 (固定支架)	
M4*30				30	OFI-A35	
M4*36				36	OFI-A35 (固定支架)	
M5*10				10		
M5*12				12	OFI-A102 OFI-A103 OFI-A226 OFI-A227 OFI-A228 OFI-A232.....	
M5*14				14	OFI-A265 OFI-A12 OFI-A217 OFI-A218 OFI-A01 OFI-A270.....	
M5*15				15	OFI-A11 OFI-A13 OFI-A29 OFI-A30 OFI-A31 OFI-A32.....	
M5*16				16	OFI-A02 OFI-A204 OFI-A0 OFI-A05 OFI-A06 OFI-A07.....	
M5*18				18	OFI-A08 OFI-A268 OFI-A269 OFI-A52 OFI-A53 OFI-A157A.....	
M5*20				20	OFI-A250 (開槽角支架)	
M5*22				22	OFI-A209 OFI-A349 OFI-A251 OFI-A215	
M5*24	4.02	8.5	5	24	OFI-A37 OFI-A252	
M5*25				25	OFI-A205 OFI-A350 OFI-A94A OFI-A94B OFI-A94C OFI-A94D	
M5*26				26	OFI-A253 (開槽角支架) OFI-A66 (多方位組)	
M5*28				28	OFI-A244 OFI-A67 OFI-A196A OFI-A196B OFI-A196C.....	
M5*30				30	OFI-A38 (交叉圓形連接器) OFI-A206 (重型固定支架)	
M5*35				35	OFI-A16 OFI-A17 OFI-A196A OFI-A196B OFI-A196C (重型彎臂)	
M5*38				38	OFI-A39 (交叉方型連接器)	
M5*40				40	OFI-A164 OFI-A165 OFI-A166 OFI-A95 OFI-A203 (夾腿)	
M5*50				50	OFI-A351 (交叉方型連接器)	
M5*60				60	OFI-A18 (交叉方型連接器) OFI-A178 (交叉圓形連接器)	
M6*10				10	OFI-A60A OFI-A60B OFI-A60C OFI-A60D (彎臂)	
M6*12	5.02	10	6	12	OFI-A234 (L型材連接板)	
M6*16				16	OFI-A276 (快換法蘭板)	
M6*18				18	OFI-A148 (吸盤彎臂)	
M8*22	6.02	13	8	22	OFI-A63A OFI-A63B OFI-A63C OFI-A63D (彎臂)	

EOAT型材夾具

• OFI

T型螺母 T-Nuts



型號 Model	A (mm)	B (mm)	C (mm)	重量 (Weight)	單價(元) Price(yuan)
OFI-177	15	7.5	M4	5g	
OFI-025	15	7.5	M5	5g	
OFI-178	15	7.5	M6	5g	

型號 Model	D (mm)	E (mm)	F (mm)	重量 (Weight)	單價(元) Price(yuan)
OFI-003	M4	8	16	5g	
OFI-006	M5	10	20	7g	
OFI-009	M5	15	25	9g	
OFI-148	M5	17	25	9g	
OFI-016	M5	22	32	11g	
OFI-027	M5	25	35	13g	
OFI-055	M5	28	38	14g	
OFI-050	M5	30	40	15g	
OFI-029	M5	35	45	16g	
OFI-020	M5	40	50	18g	
OFI-043	M5	50	60	22g	
OFI-022	M5	60	70	26g	
OFI-045	M5	90	100	38g	

運用實例 / Application example

彈性螺母 Spring nuts

這種螺母在裝配時不會在槽內滑動。
適合以下型材:

They hold the position in the slot without slipping during assembly.

Suitable for the beams:

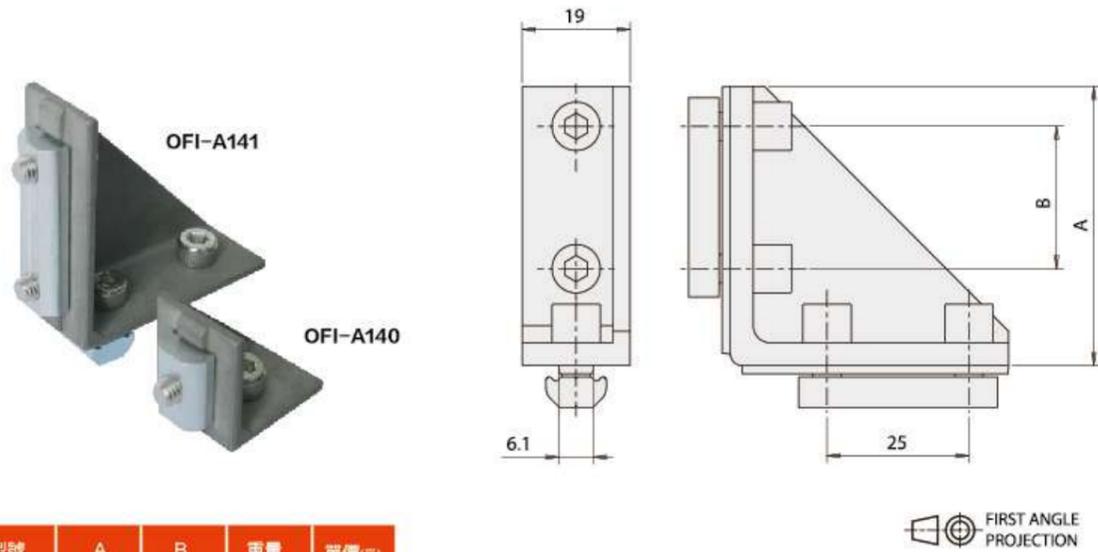
- OMB/XC-1018
- OMB/XC-1818
- OMB/XC-2510
- OMB/XC-2518
- OMB/XC-2525
- OMB/XC-5025
- OMB/XC-4040
- OMB/XC-8040



≡ EOAT型材夾具

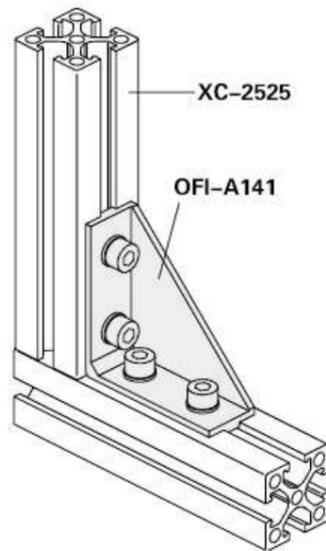
• OFI

型材的角支架 Angle bracket for profiles



型號 Model	A (mm)	B (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A140	24.5	-	32g	
OFI-A141	49	25	82g	

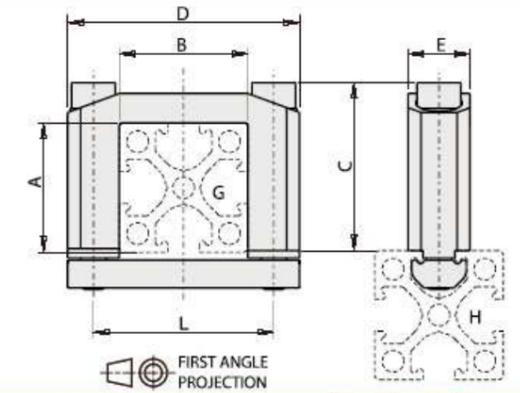
運用實例 / Application example



≡ EOAT型材夾具

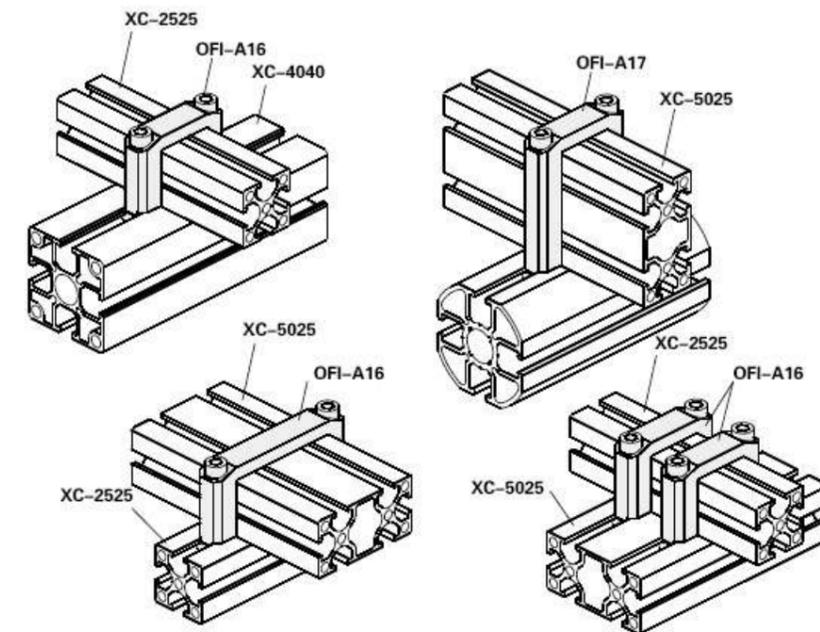
• OFI

交叉(方型)連接器 Cross(square)joint connector



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)								H (mm)	重量 Weight	單價(元) Price(yuan)		
OFI-A244	18	18	29	38	12	XC-1818	XC-1818	XC-2518	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-3026	XC-5045	28	41g	
OFI-A16	25	25	32	45	12	XC-2525	-	-	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-3026	XC-5045	35	45g	
OFI-A351	40	40	46	60	12	XC-4040	-	-	-	-	-	XC-5025	XC-4040	XC-8040	-	XC-5045	50	50g	
OFI-A17	50	25	57	45	12	XC-5025	-	-	-	-	XC-2525	XC-5025	XC-4040	XC-8040	XC-3026	XC-5045	35	65g	
OFI-A18	25	50	32	70	12	XC-5050	-	-	-	-	XC-2525	XC-5025	XC-4040	XC-8040	XC-3026	XC-5045	60	50g	
OFI-A19	80	40	85.5	60	12	XC-8040													
OFI-A20	40	80	76.5	100	12	XC-4080													

運用實例 / Application example

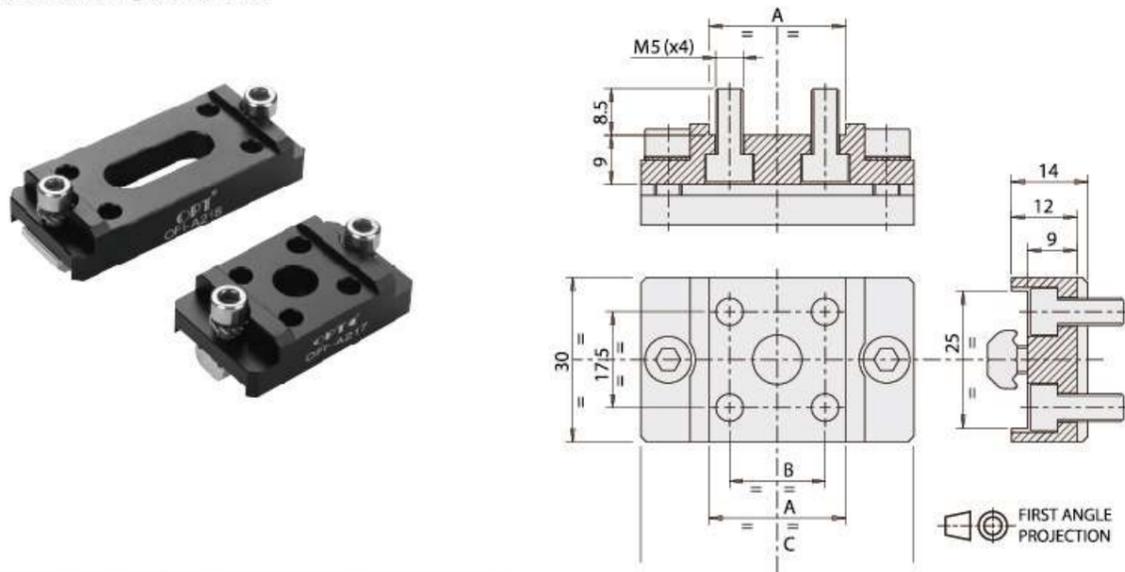


EOAT型材夾具

EOAT型材夾具

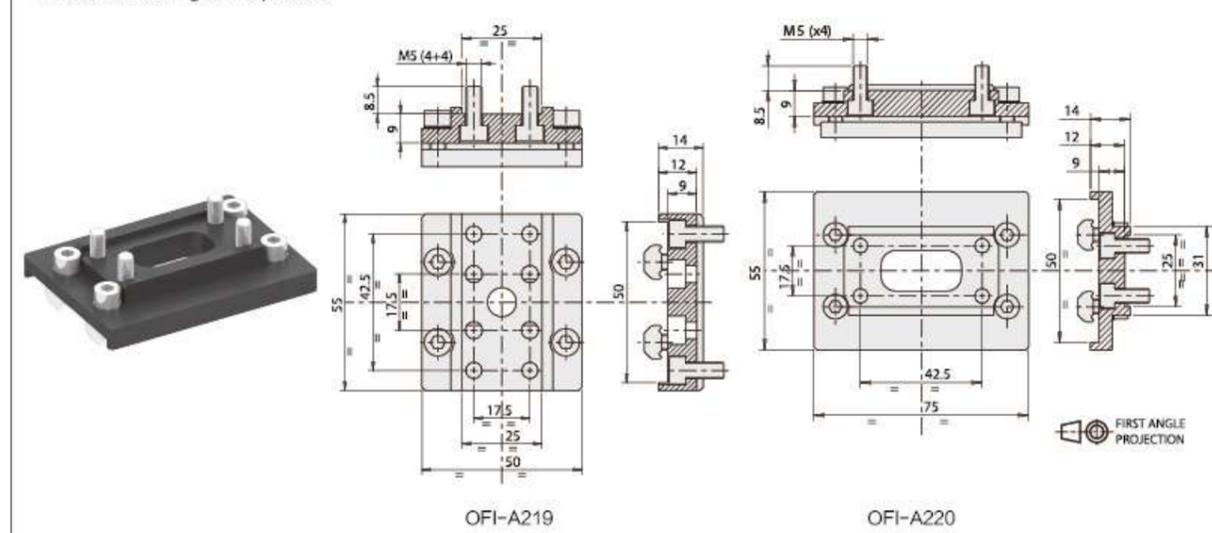
• OFI

型材的垂直緊固
Vertical fastening of the profiles



• OFI

型材的垂直緊固
Vertical fastening of the profiles

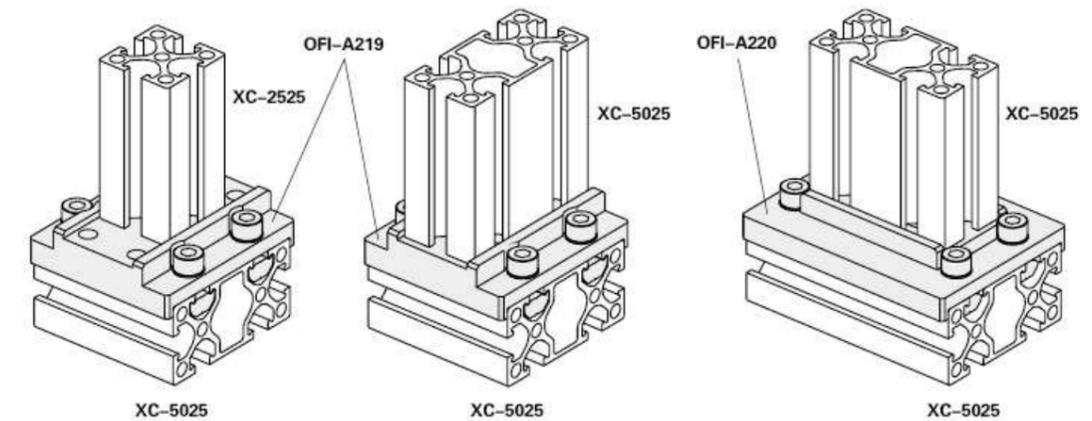
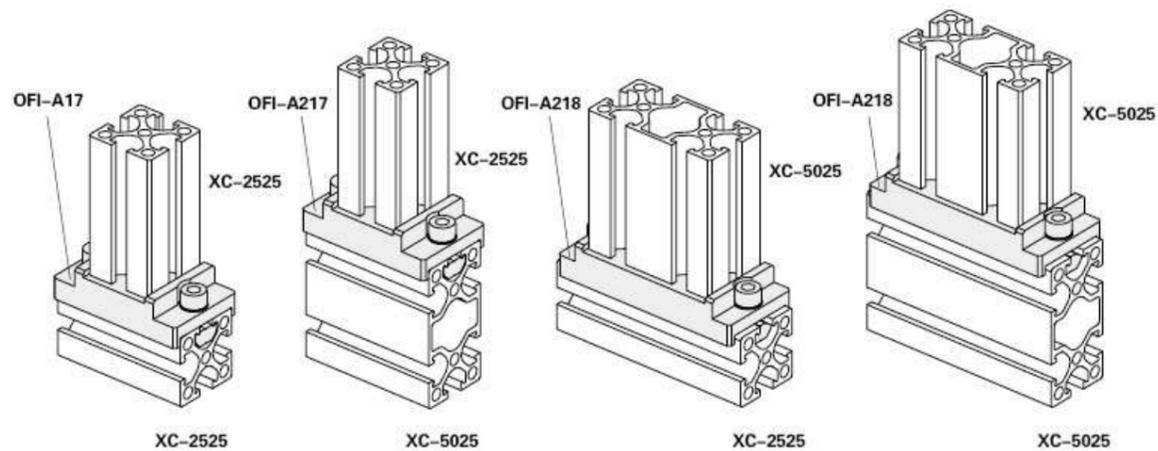


型號 Model	A (mm)	B (mm)	C (mm)	OMB	XC	重量 Weight	單價(元) Price(yuan)
OFI-A217	25	17.5	50	2525	5025	65g	
OFI-A218	50	42.5	70	2525	5025	85g	

型號 Model	重量 Weight	單價(元) Price(yuan)
OFI-A219	110g	
OFI-A220	140g	

運用實例 / Application example

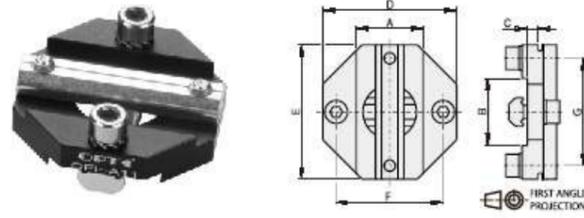
運用實例 / Application example



EOAT型材夾具

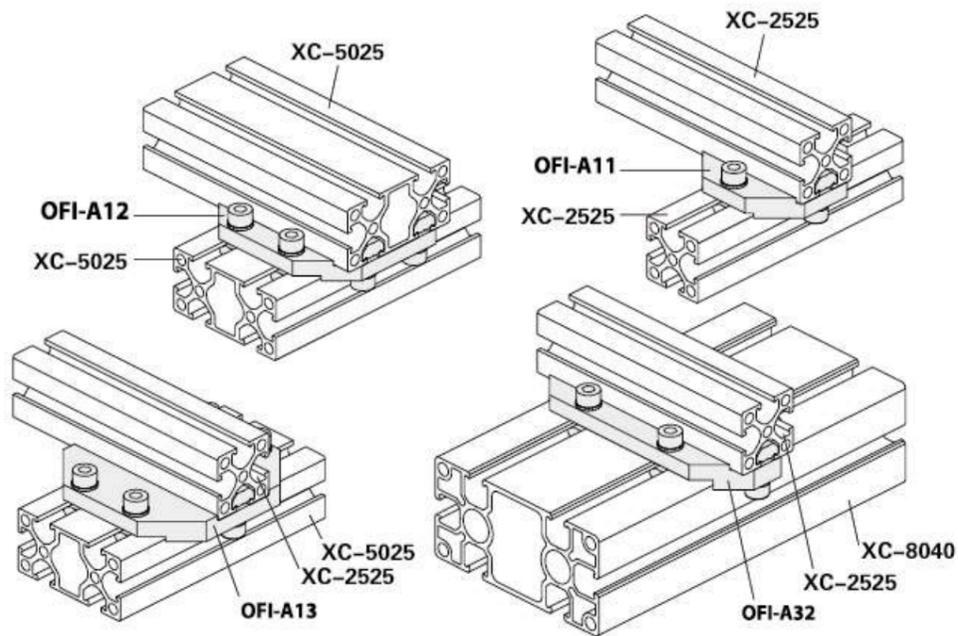
• OFI

型材的交叉固定支架 Cross mounting bracket for profiles (含螺釘套件) (kit with screws)



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	OMF-1018	OMF-1818	OMF-2510	OMF-2518	OMF-2525	OMF-5025	OMF-4040	OMF-8040	重量 Weight	單價(元) Price(yuan)
OFI-A175	18	18	2	38	38	28	28	☑	☑	☐	☐	☐	☐	☐	☐	40g	
OFI-A675	18	25	4	38	45	35	35	☑	☑	☑	☑	☑	☑	☐	☐	60g	
OFI-A11	25	25	4	45	45	35	35	☐	☐	☑	☑	☑	☑	☐	☐	75g	
OFI-A12	50	50	4	70	70	60	60	☐	☐	☐	☐	☐	☑	☐	☐	170g	
OFI-A13	25	50	4	45	70	35	60	☐	☐	☑	☑	☑	☑	☐	☐	155g	
OFI-A29	40	40	4	60	60	50	50	☐	☐	☐	☐	☐	☐	☑	☑	85g	
OFI-A30	80	80	4	100	100	90	90	☐	☐	☐	☐	☐	☐	☐	☑	255g	
OFI-A31	40	80	4	60	100	50	90	☐	☐	☐	☐	☐	☐	☑	☑	175g	
OFI-A32	25	80	4	45	100	35	35	☐	☐	☑	☑	☑	☑	☐	☑	140g	
OFI-A33	25	40	4	45	60	35	35	☐	☐	☑	☑	☑	☑	☐	☐	75g	

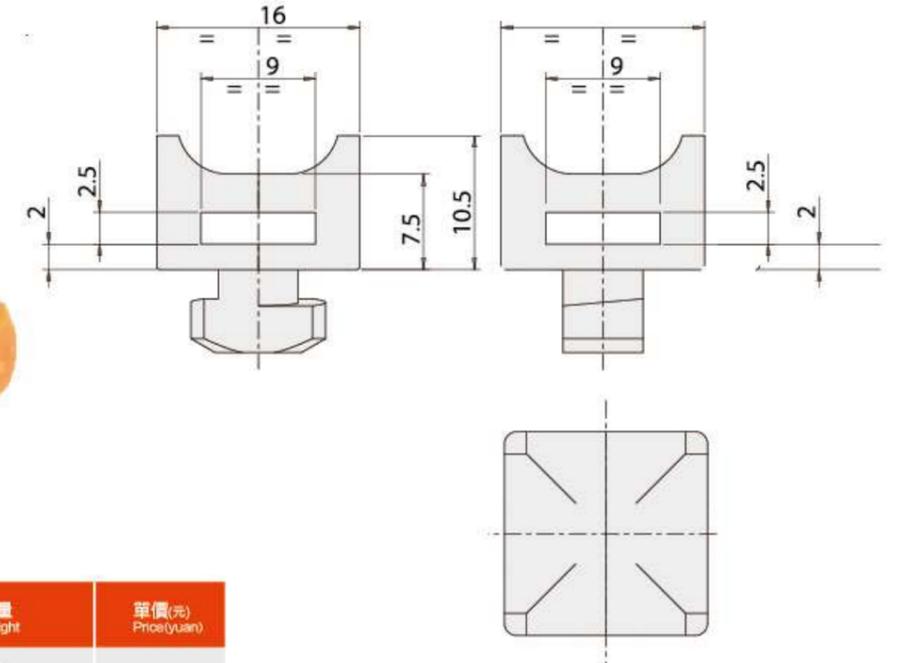
運用實例 / Application example



EOAT型材夾具

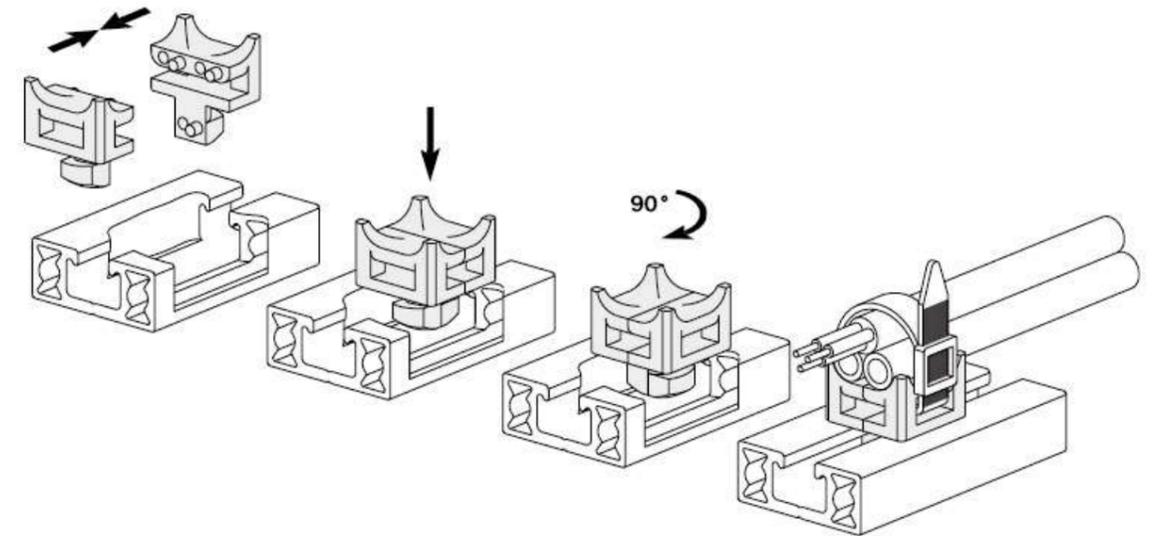
• OFI

軟管固定支架 Hose mounting bracket



型號 Model	重量 Weight	單價(元) Price(yuan)
OFI-A239	20g	

運用實例 / Application example



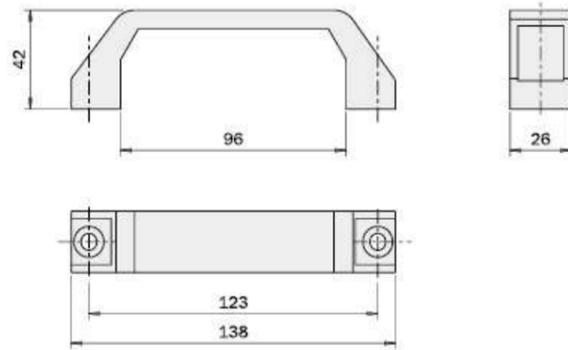
EOAT型材夾具

• OFM

EOAT把手 (配備緊急螺母的套件)
EOAT handle (kit with last-minute nuts)



OFM-A122



型號 Model	重量 Weight	單價(元) Price(yuan)
OFM-A122	60g	

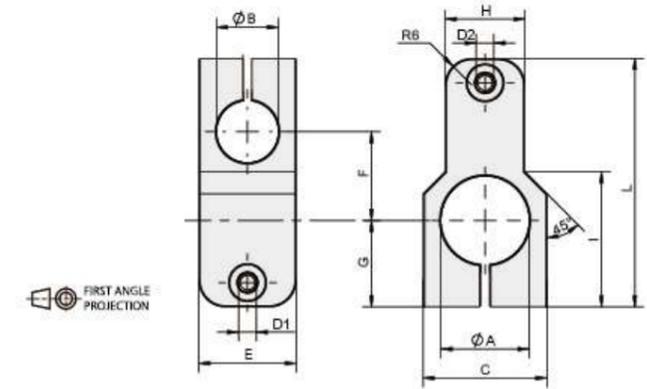
運用實例 / Application example



EOAT型材夾具

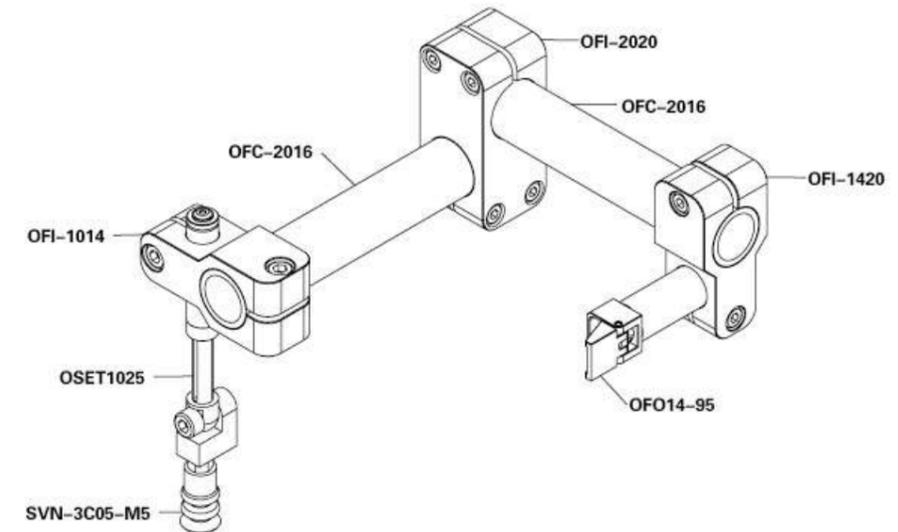
• OFI

圓管轉換接頭 Round tube adapter



型號 Model	A (mm)	B (mm)	L (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	D1 (mm)	D2 (mm)	重量 Weight	單價(元) Price(yuan)
OFI-1014	$\phi 14$	$\phi 10$	49	22	16	18	18	16	24	M4	M4	82g	
OFI-1020	$\phi 20$	$\phi 10$	54	28	18	20	19.5	16	32	M4	M4	100g	
OFI-1420	$\phi 20$	$\phi 14$	56	28	22	20	19.5	18	30.5	M4	M4	134g	
OFI-1425	$\phi 25$	$\phi 14$	70	35	22	25	28.5	22	45	M8	M4	185g	
OFI-2025	$\phi 25$	$\phi 20$	76	35	28	28	28.5	28	45	M8	M4	282g	
OFI-2030	$\phi 30$	$\phi 20$	81	40	28	31.5	30	28	50	M8	M4	315g	
OFI-2530	$\phi 30$	$\phi 25$	91	40	35	32.5	30	30	46	M8	M8	409g	
OFI-2540	$\phi 40$	$\phi 25$	105	50	50	40.75	36	36	50	M8	2-M6	685g	
OFI-3040	$\phi 40$	$\phi 30$	104	50	50	30	42	40	36	2-M8	2-M6	731g	

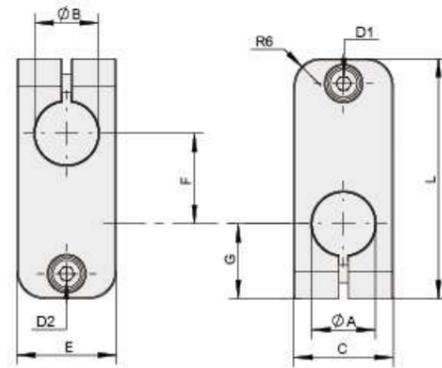
運用實例 / Application example



EOAT型材夾具

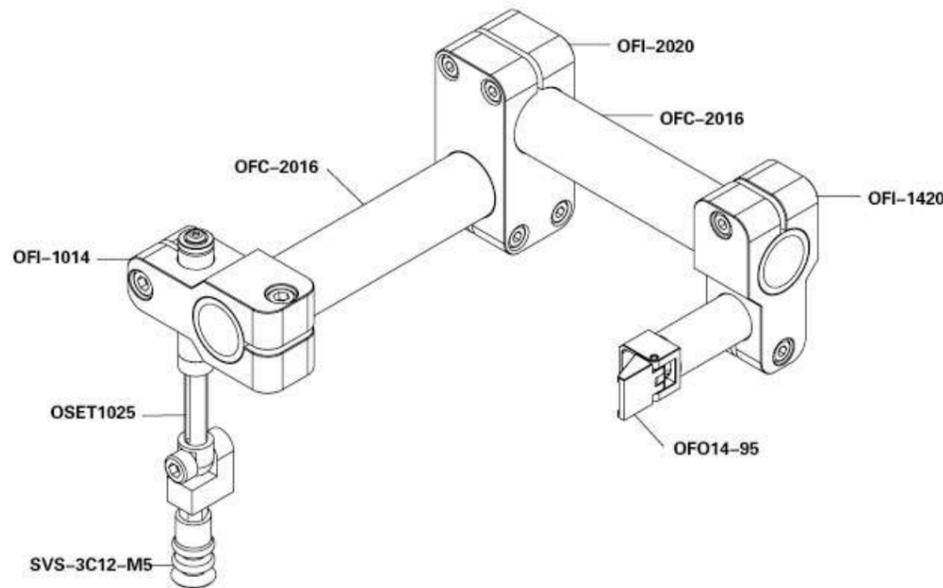
• OFI

圓管直聯接頭 Round pipe straight joint



型號 Model	A (mm)	B (mm)	L (mm)	C (mm)	E (mm)	F (mm)	G (mm)	D1 (mm)	D2 (mm)	重量 Weight	單價(元) Price(yuan)
OFI-1010	Φ10	Φ10	45	18	18	16	14.5	M4	M4	77g	
OFI-1414	Φ14	Φ14	53	22	22	20	16.5	M4	M4	134g	
OFI-2020	Φ20	Φ20	61	28	28	22	19.5	M4	M4	220g	
OFI-2525	Φ25	Φ25	85	35	35	28.5	28.25	M8	M8	404g	
OFI-3030	Φ30	Φ30	95	40	40	35	30	2-M6	2-M6	563g	
OFI-4040	Φ40	Φ40	105	50	50	43	31	2-M6	2-M6	770g	

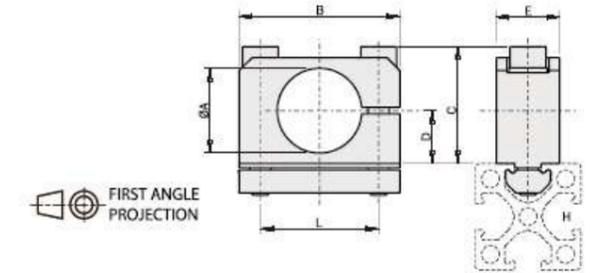
運用實例 / Application example



EOAT型材夾具

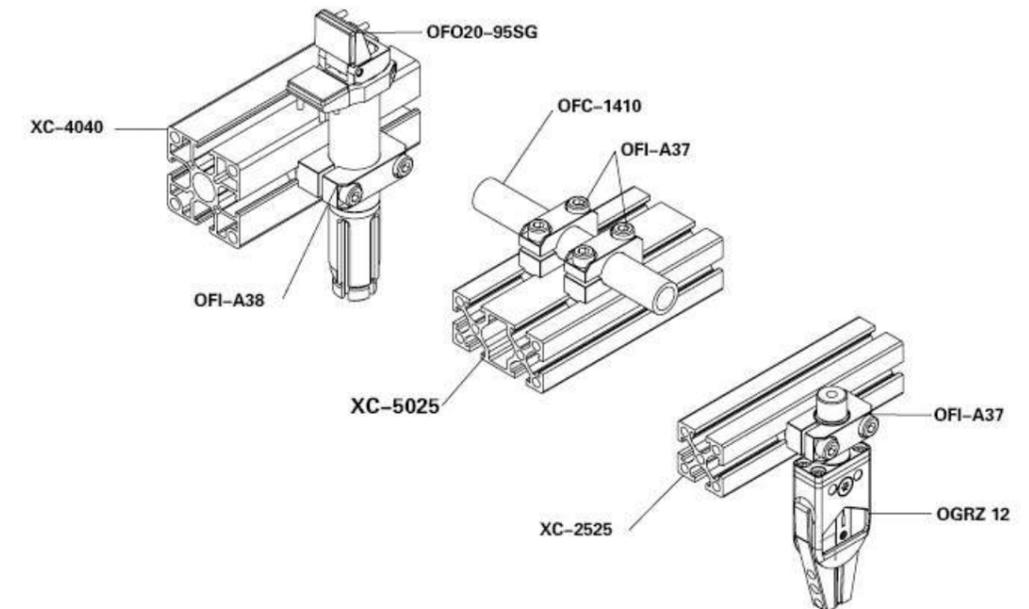
• OFI

交叉(圓型)速接器 Cross(Round) joint connector



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)								H (mm)	重量 Weight	單價(元) Price(yuan)			
OFI-A37	Φ14	32	23	9	12	-	-	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3026	XC-5045	22	32g	
OFI-A38	Φ20	38	28	12.5	15	-	-	-	-	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3026	XC-5045	28	45g	
OFI-A39	Φ30	50	34	17	20	-	-	-	-	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3026	XC-5045	40	75g	
OFI-A178	Φ50	70	56	28	25	-	-	-	-	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3026	XC-5045	60	150g	

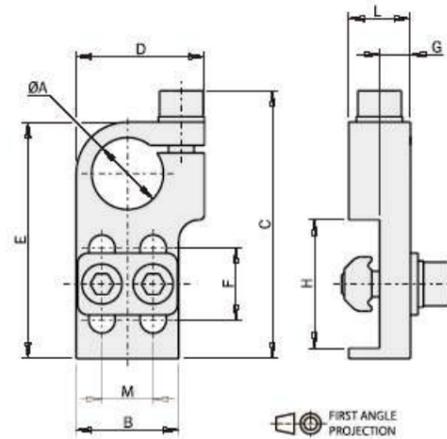
運用實例 / Application example



≡ EOAT型材夾具

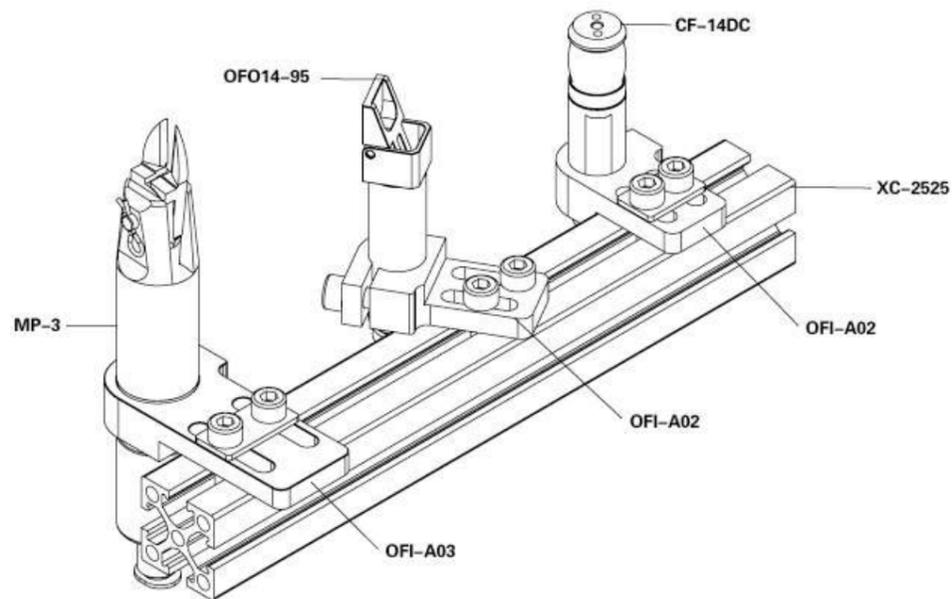
● OFI

固定支架 Mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (mm)	XC-...			重量 Weight	單價(元) Price(yuan)	
OFI-A01	Φ10	16	43	20	38	10	4.5	18	8	8	-	XC-1018	XC-1818	-	20g	
OFI-A270	Φ10	16	49	20	44	14	4.5	25	8	8	XC-2510	XC-2518	XC-2525	XC-5025	21g	
OFI-A02	Φ14	20	52.1	25	46	14	6	25	12	10	XC-2510	XC-2518	XC-2525	XC-5025	34g	
OFI-A204	Φ20	25	57.1	30	51.5	14	6.2	25	12	15	XC-2510	XC-2518	XC-2525	XC-5025	45g	
OFI-A03	Φ20	25	74.1	30	68	22	6	40	12	15	-	XC-4040	XC-8040	-	48g	

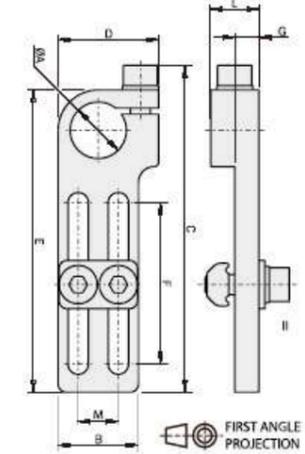
運用實例 / Application example



≡ EOAT型材夾具

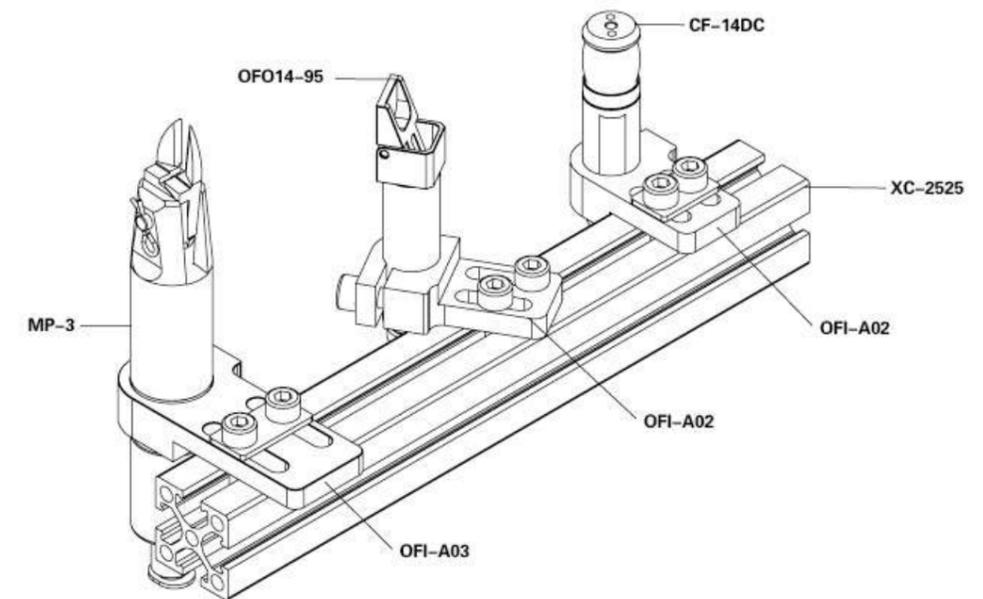
● OFI

固定支架 Mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	L (mm)	M (mm)	XC										重量 Weight	單價(元) Price(yuan)	
OFI-A04	Φ10	16	75	20	70	40	4.5	8	8	XC-1018	XC-1818	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-2017	XC-3025	XC-5045	35g	
OFI-A05	Φ14	20	81.1	25	75	40	6	12	10	XC-1018	XC-1818	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-2017	XC-3025	XC-5045	38g	
OFI-A06	Φ14	20	91.1	25	85	50	6	12	10	XC-1018	XC-1818	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-2017	XC-3025	XC-5045	40g	
OFI-A07	Φ20	25	111.1	30	105	60	6	12	15	-	-	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3025	XC-5045	55g	
OFI-A08	Φ30	35	121.1	40	115	60	6	12	22	-	-	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3025	XC-5045	95g	

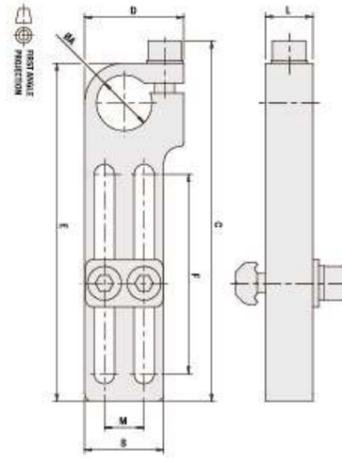
運用實例 / Application example



≡ EOAT型材夾具

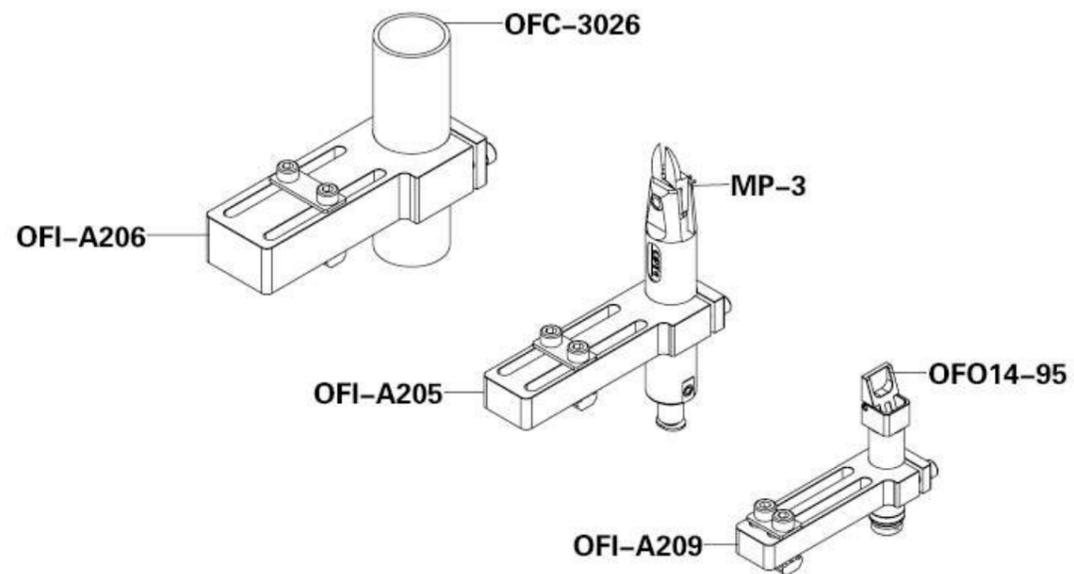
● OFI

重型固定支架 Heavy duty mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)	M (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A207	Φ10	16	75	20	70	40	8.3	8	30g	
OFI-A209	Φ14	20	90.6	25	85	50	12	10	60g	
OFI-A205	Φ20	25	110.6	30	105	60	15	15	85g	
OFI-A206	Φ30	35	122.2	42	115	60	20	22	175g	

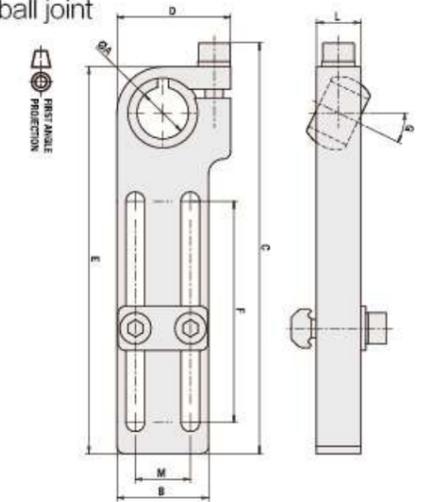
運用實例 / Application example



EOAT型材夾具 ≡

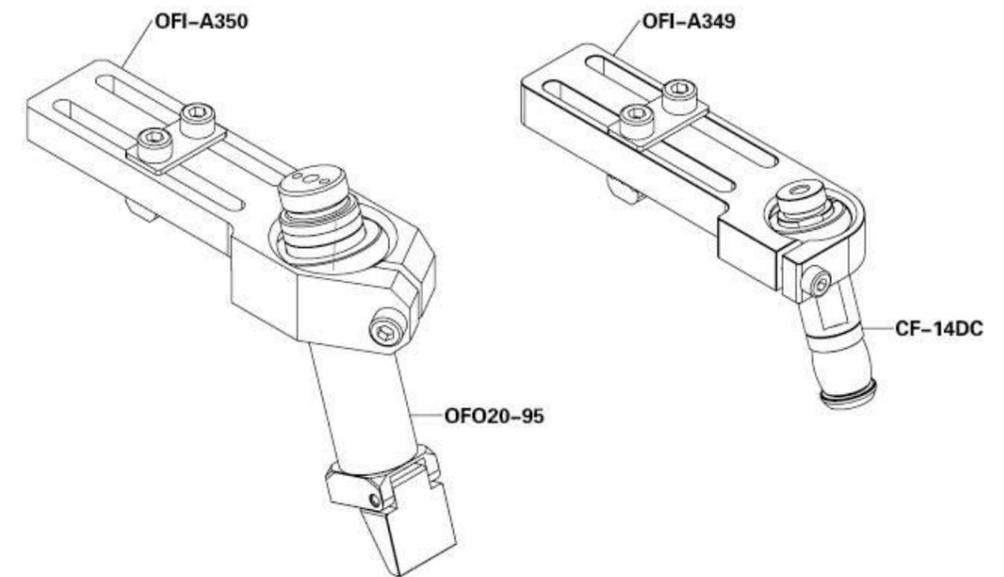
● OFI

帶有球關節的重型安裝支架 Heavy-duty mounting bracket with ball joint



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)	M (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A348	10	20	89.5	25	85	50	0-26°	10	45g	
OFI-A349	14	25	111.5	31	105	60	0-26°	15	86g	
OFI-A350	20	35	121.8	42	115	60	0-26°	22	160g	

運用實例 / Application example



≡ EOAT型材夾具

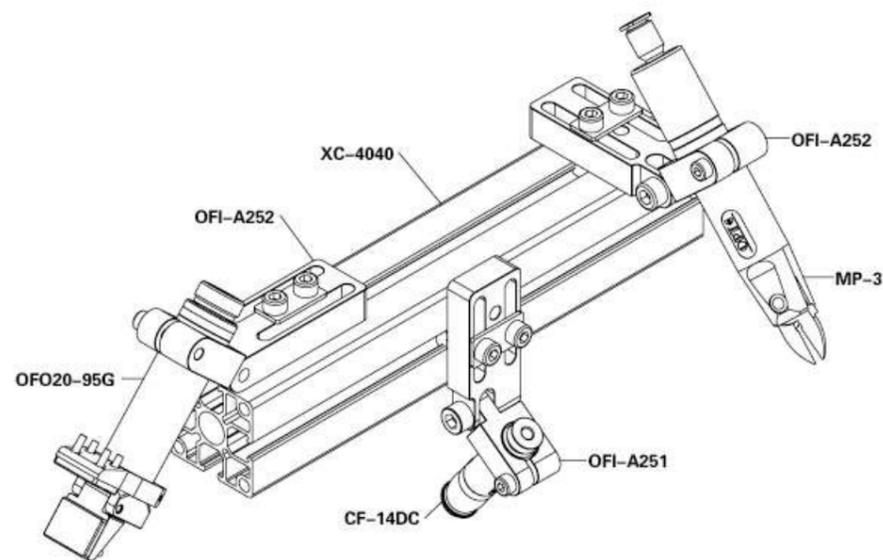
● OFI

開槽角支架 Slotted angular bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)	P (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A250	Φ10	15	23	14	64.5	16	8	4.1	-	20	16	-	9	30g	
OFI-A251	Φ14	21	31	17.5	85.5	25	15	5.1	15	30	20	Φ5.1	11	50g	
OFI-A252	Φ20	26	39	22.5	107.5	25	15	5.1	15	40	25	Φ5.1	13	90g	
OFI-A253	Φ30	32	49	29	136.5	36	22	5.1	22	50	36	Φ5.1	16	185g	

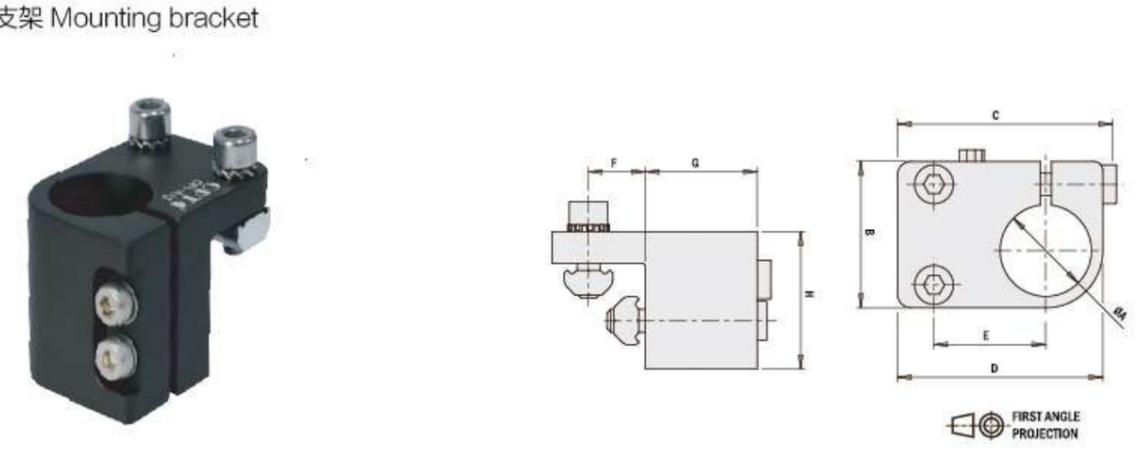
運用實例 / Application example



≡ EOAT型材夾具

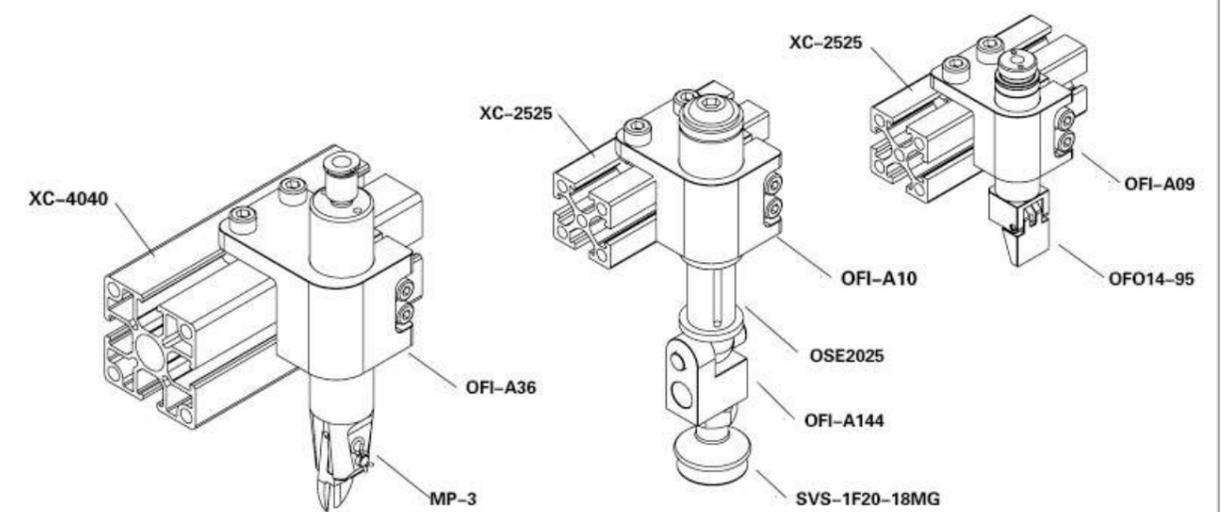
● OFI

固定支架 Mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	XC-...	重量 Weight	單價(元) Price(yuan)
OFI-A09	Φ14	25	42.6	40	22	12.5	19.5	25	XC-2525	XC-5025	50g
OFI-A10	Φ20	32	47.6	45	24.5	12.5	24.5	30	XC-2525	XC-5025	70g
OFI-A36	Φ20	35	54.1	54.5	33	20	26.5	35	XC-4040	XC-8040	95g
OFI-A34	Φ30	40	53.1	55	29.5	12.5	34.5	30	XC-2525	XC-5025	90g
OFI-A35	Φ30	45	64.1	65.5	39	20	37.5	40	XC-4040	XC-8040	150g

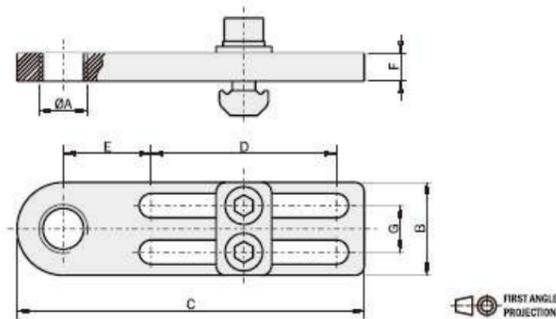
運用實例 / Application example



EOAT型材夾具

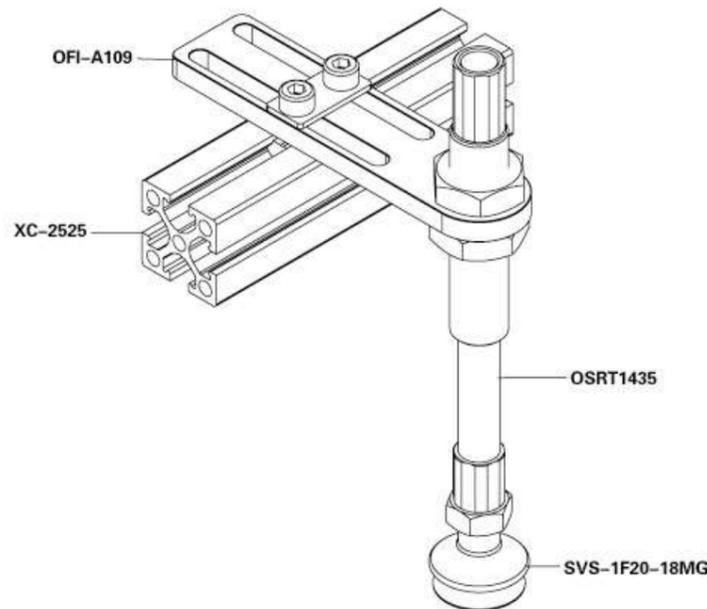
• OFI

固定支架 Mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A104	G1/8"	20	75	40	19	6	10	25g	
OFI-A105	G1/8"	25	105	60	26.5	6	15	42g	
OFI-A106	M10x1	20	75	40	19	6	10	30g	
OFI-A107	M10x1	25	105	60	26.5	6	15	40g	
OFI-A266	Φ12	20	750	40	19	6	10	30g	
OFI-A267	Φ12	25	105	60	26.5	6	15	47g	
OFI-A108	M14x1	20	75	40	19	6	10	20g	
OFI-A109	M14x1	25	105	60	26.5	6	15	40g	
OFI-A210	M14x1.5	25	75	40	19	6	10	20g	
OFI-A211	M14x1.5	25	105	60	26.5	6	15	40g	
OFI-A110	M16x1	20	75	40	19	6	10	20g	
OFI-A111	M16x1	25	105	60	26.5	6	15	40g	
OFI-A112	M20x1.5	25	75	40	19	6	15	30g	
OFI-A113	M20x1.5	25	105	60	26.5	6	15	35g	
OFI-A268	M20x1.5	30	85	40	19	6	15	52g	
OFI-A269	M20x1.5	30	115	60	26.5	6	15	67g	
OFI-A114	-	20	75	40	19	6	10	25g	
OFI-A115	-	25	105	60	26.5	6	15	40g	

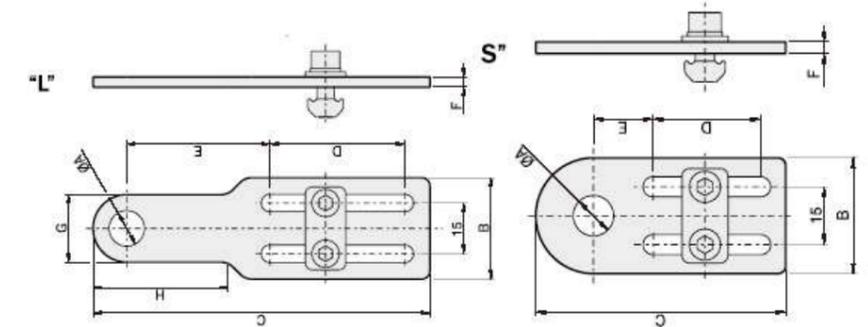
運用實例 / Application example



EOAT型材夾具

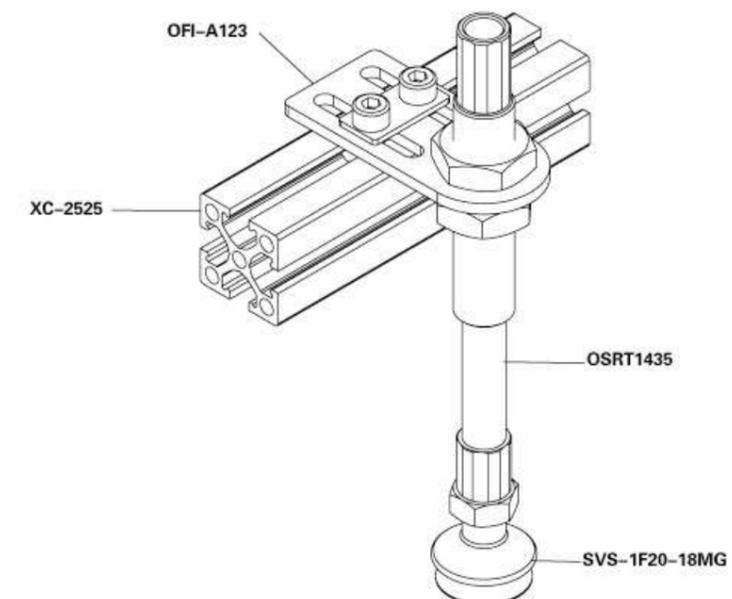
• OFI

固定支架 Mounting bracket



型號 Model	類型 Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A116	L	Φ10.5	30	100	40	42.5	3	20	38	60g	
OFI-A117	L	Φ12.5	30	100	40	42.5	3	20	38	60g	
OFI-A118	L	Φ14.5	30	100	40	42.5	3	24	38	60g	
OFI-A119	L	Φ16.5	30	100	40	42.5	3	30	-	65g	
OFI-A120	L	Φ20.5	30	100	40	42.5	3	30	-	60g	
OFI-A181	L	Φ22.5	30	100	40	42.5	5	35	26	105g	
OFI-A182	L	Φ25.5	30	100	40	42.5	5	35	26	100g	
OFI-A121	S	Φ10.5	30	65	28	15.5	3	-	-	45g	
OFI-A122	S	Φ12.5	30	65	28	15.5	3	-	-	45g	
OFI-A123	S	Φ14.5	30	65	28	15.5	3	-	-	45g	
OFI-A124	S	Φ16.5	30	65	28	15.5	3	-	-	45g	
OFI-A125	S	Φ20.5	30	65	28	15.5	3	-	-	40g	
OFI-A183	S	Φ22.5	30	70	28	17	5	35	26	75g	
OFI-A184	S	Φ25.5	30	70	28	17	5	35	26	70g	

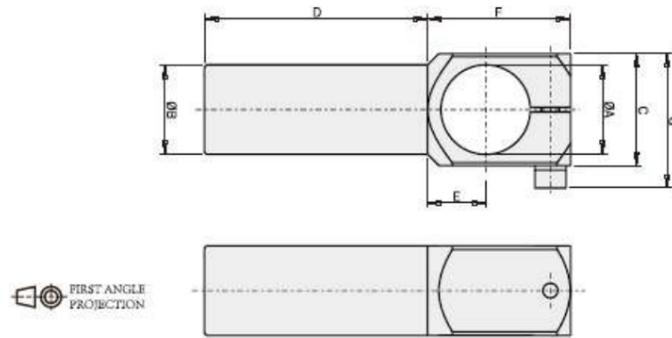
運用實例 / Application example



≡ EOAT型材夾具

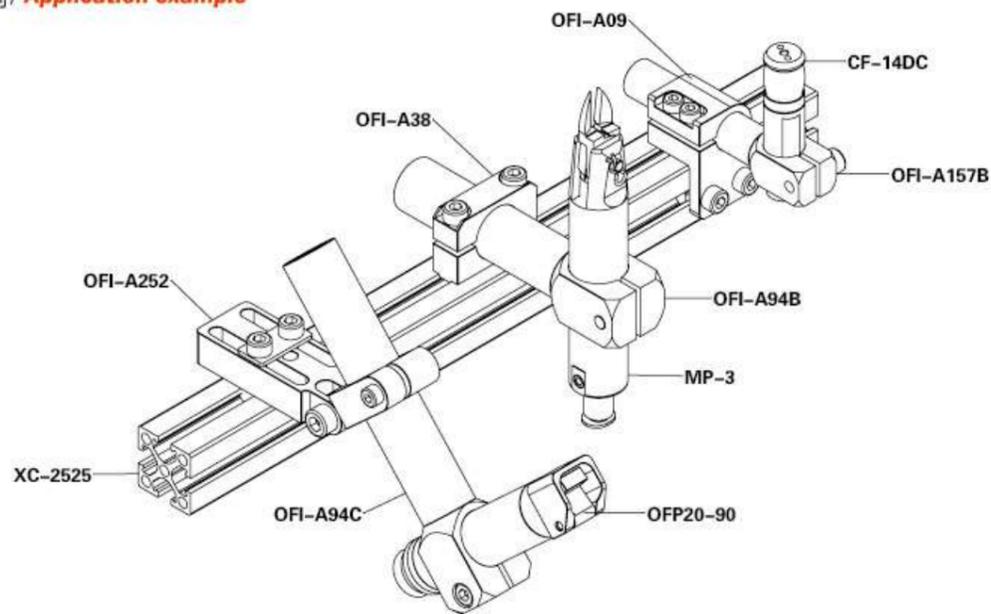
● OFI

夾腿 Clamp leg



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A158A	Φ10	Φ10	14	30	7	19	19	10g	
OFI-A158B	Φ10	Φ10	14	60	7	19	19	15g	
OFI-A158C	Φ10	Φ10	14	90	7	19	19	20g	
OFI-A157A	Φ14	Φ14	18	40	10	26	24	20g	
OFI-A157B	Φ14	Φ14	18	60	10	26	24	20g	
OFI-A157C	Φ14	Φ14	18	80	10	26	24	30g	
OFI-A157D	Φ14	Φ14	18	120	10	26	24	40g	
OFI-A94A	Φ20	Φ20	25	50	13	32	32	45g	
OFI-A94B	Φ20	Φ20	25	75	13	32	32	45g	
OFI-A94C	Φ20	Φ20	25	100	13	32	32	70g	
OFI-A94D	Φ20	Φ20	25	150	13	32	32	105g	
OFI-A164	Φ30	Φ30	40	80	19	44	46	170g	
OFI-A165	Φ30	Φ30	40	140	19	44	46	230g	
OFI-A166	Φ30	Φ30	40	200	19	44	46	300g	

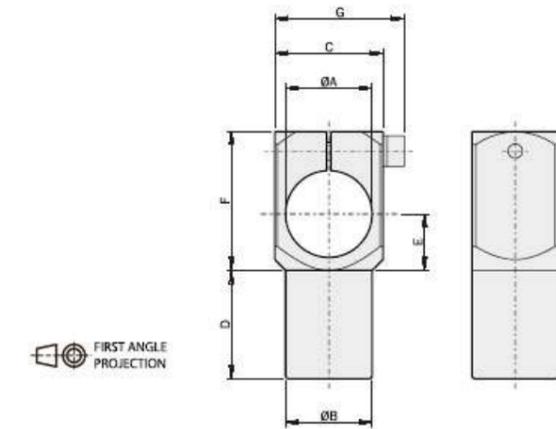
運用實例 / Application example



≡ EOAT型材夾具

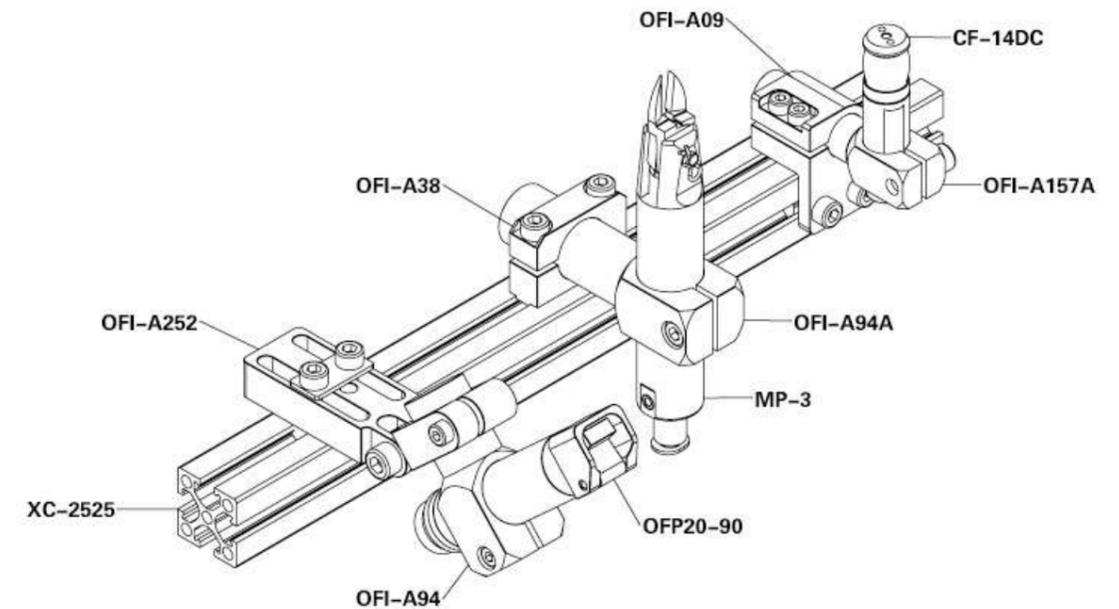
● OFI

夾腿 Clamp leg



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A93	Φ10	Φ10	14x10	15	7	19	19	8g	
OFI-A94	Φ14	Φ14	25x10	25	13	32	30	35g	
OFI-A95	Φ30	Φ20	40x20	25	19	44	45	60g	
OFI-A203	Φ30	Φ30	40x30	40	19	44	47	130g	

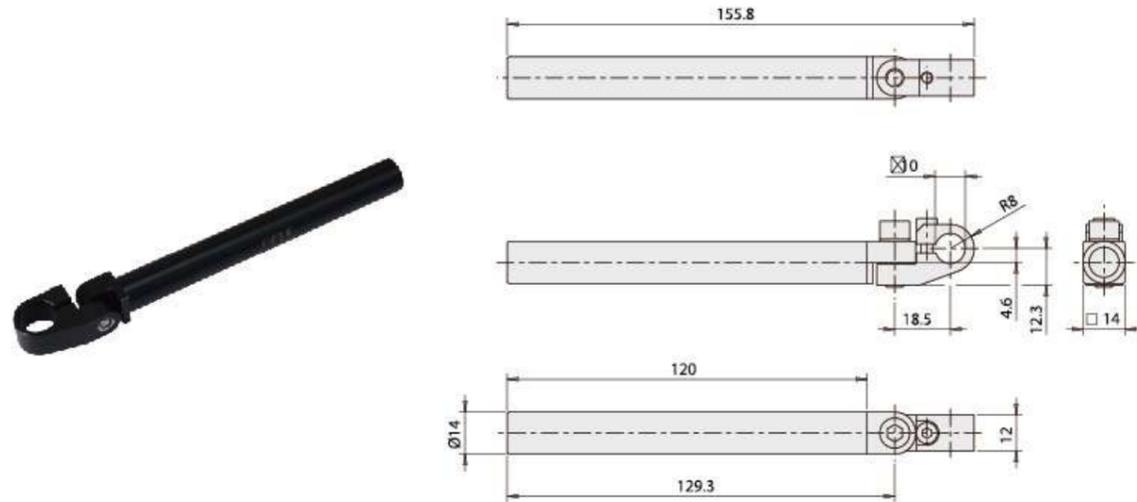
運用實例 / Application example



≡ EOAT型材夾具

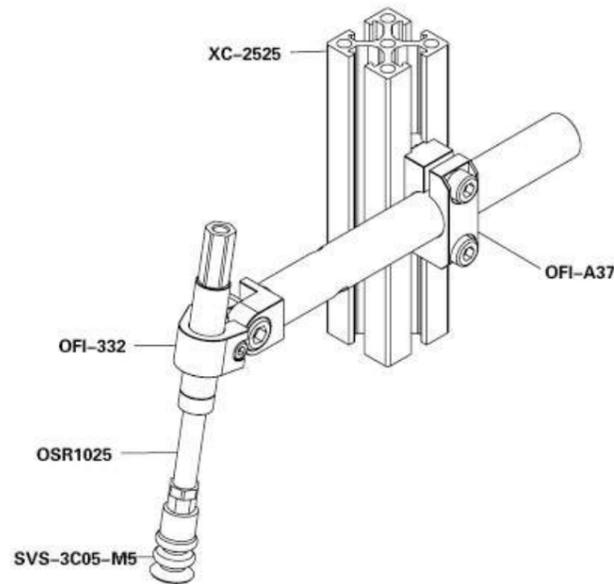
• OFI

重型鷹用屯腿 Heavy duty clamp leg



型號 Model	重量 Weight	單價(元) Price(yuan)
OFI-A332	50g	

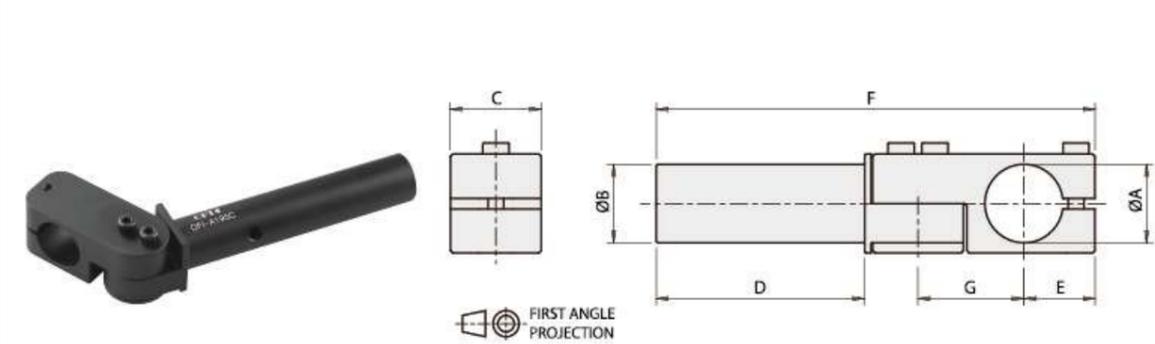
運用實例 / Application example



≡ EOAT型材夾具

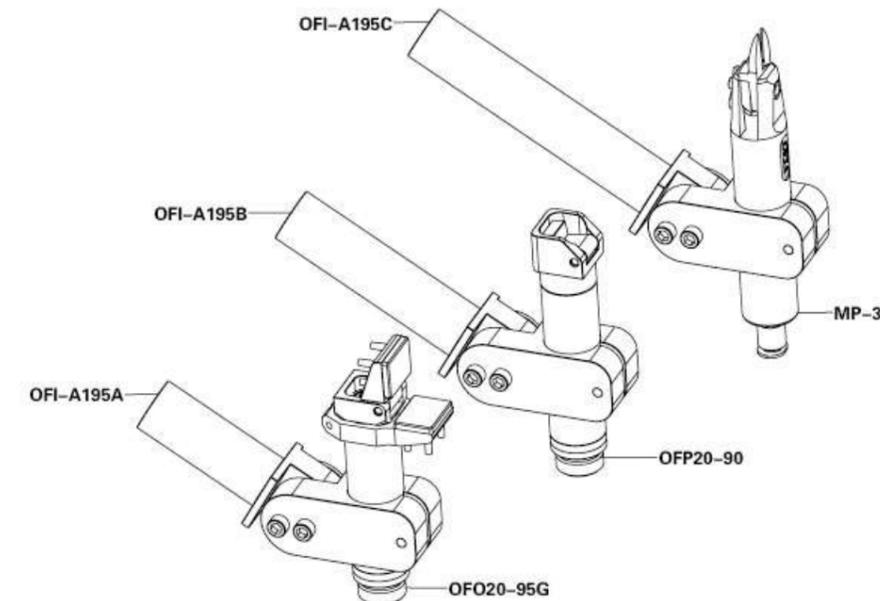
• OFI

重型彎臂 Heavy duty elbow arm



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A19	Φ25	Φ20	25	75	18	140	20	93.8g	
OFI-A20	Φ25	Φ20	15	60	18	140	20	101.5g	
OFI-A60B	Φ25	Φ20	15	60	20	104	20	44.2	
OFI-A195A	Φ20	Φ20	25	75	19.5	113.5	50	121.3g	
OFI-A195B	Φ20	Φ20	25	75	19.5	113.5	28.7	95g	
OFI-A195C	Φ20	Φ20	25	100	19.5	163.5	28.7	115g	
OFI-A195D	Φ20	Φ20	25	150	19.5	213.5	28.7	130g	
OFI-A196A	Φ30	Φ30	35	80	27.3	168.5	40.7	330g	
OFI-A196B	Φ30	Φ30	35	140	27.3	228.5	40.7	380g	
OFI-A196C	Φ30	Φ30	35	200	27.3	288.5	40.7	435g	

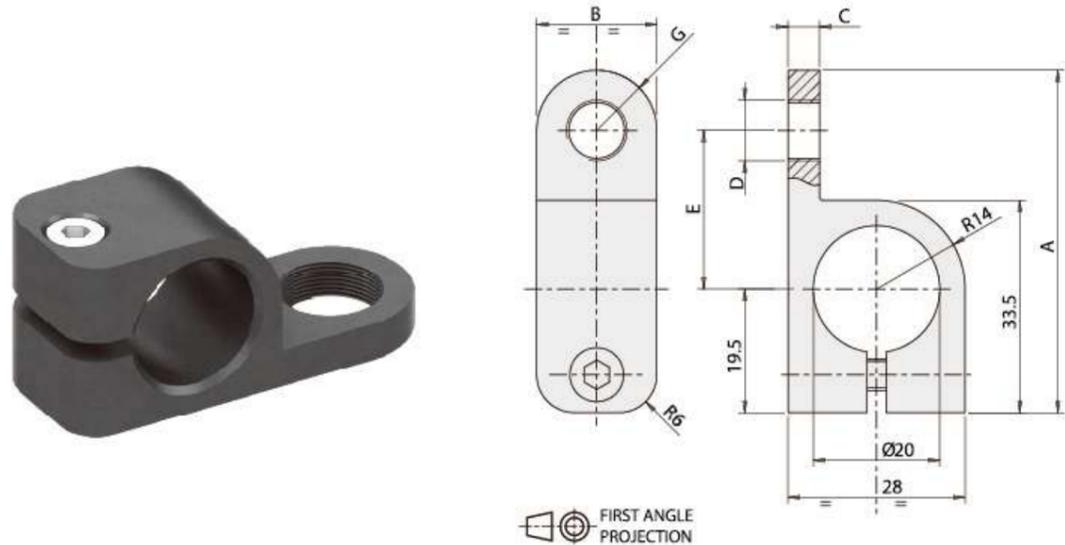
運用實例 / Application example



≡ EOAT型材夾具

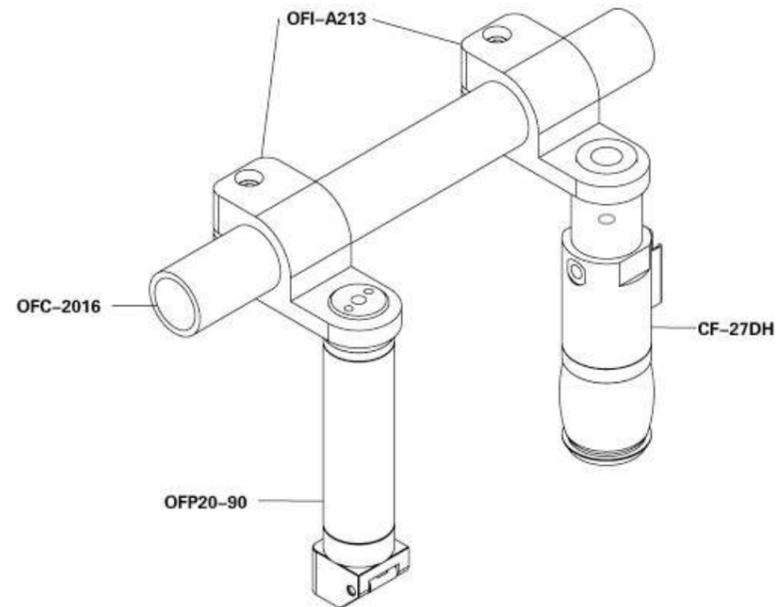
• OFI

旋轉支撐 swivelling support



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A212	53.5	19	5	G1/8"	25	R9.5	30 g	
OFI-A213	60.5	24	6	M16x1	29	R12	40 g	

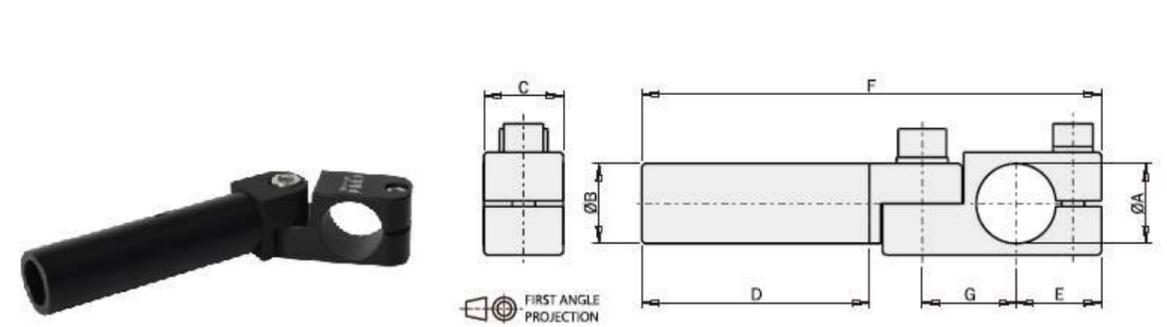
運用實例 / Application example



≡ EOAT型材夾具

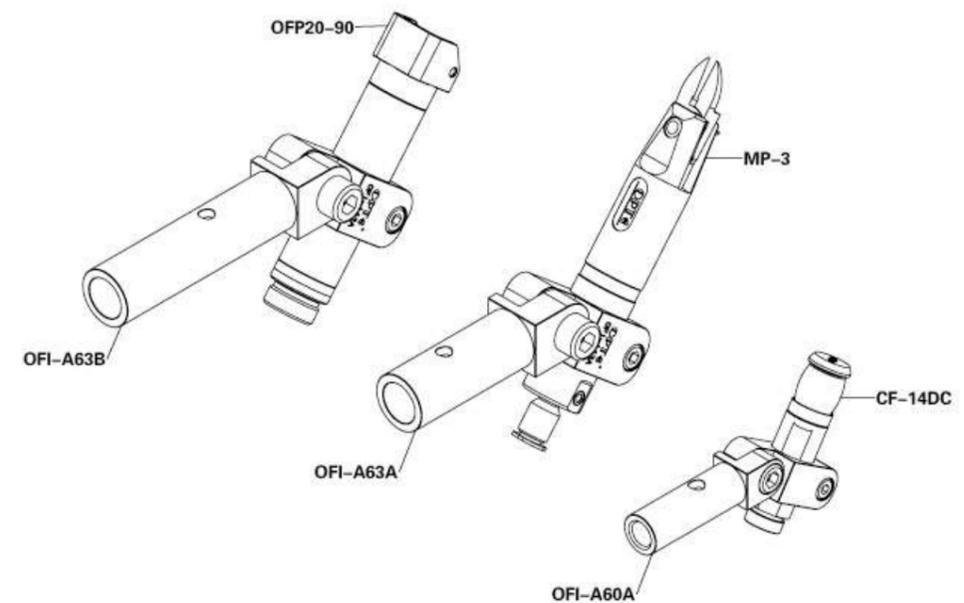
• OFI

彎臂 Elbow arm



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A59A	Φ10	Φ10	10	60	13	93	12.5	20g	
OFI-A60A	Φ14	Φ14	14	40	16	82	16.5	32g	
OFI-A60B	Φ14	Φ14	14	60	16	103	16.5	32g	
OFI-A60C	Φ14	Φ14	14	80	16	122	16.5	42g	
OFI-A60D	Φ14	Φ14	14	120	16	162	16.5	50g	
OFI-A63A	Φ20	Φ20	20	50	19	104	22.5	70g	
OFI-A63B	Φ20	Φ20	20	75	19	131	22.5	70g	
OFI-A63C	Φ20	Φ20	20	100	19	154	22.5	90g	
OFI-A63D	Φ20	Φ20	20	150	19	204	22.5	120g	
OFI-A167A	Φ30	Φ30	30	80	27	160	34.8	235g	
OFI-A167B	Φ30	Φ30	30	140	27	220	34.8	300g	
OFI-A167C	Φ30	Φ30	30	200	27	280	34.8	360g	

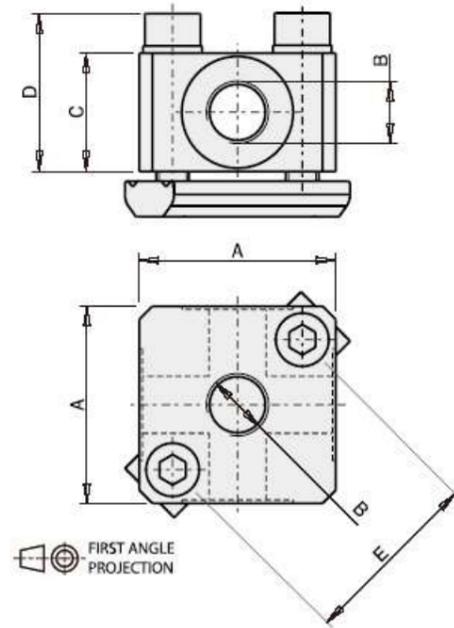
運用實例 / Application example



≡ EOAT型材夾具

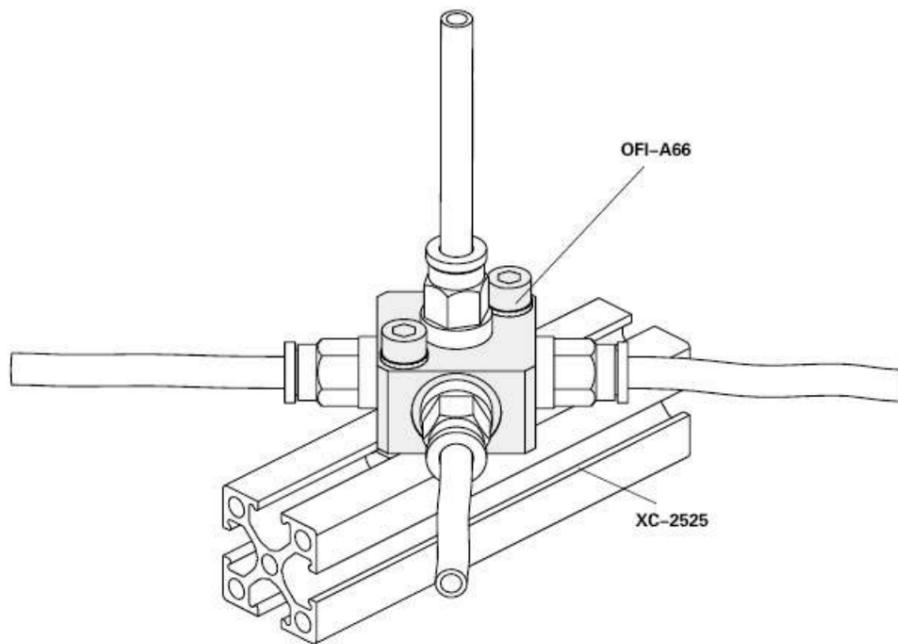
● OFI

多方位組 Manifold block



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A66	30	(x5) G1/8"	18	24	28	50 g	
OFI-A67	40	(x5) G1/4"	20	23	35	80 g	
OFI-A704	25	(x5) m5	12	18	22	33 g	

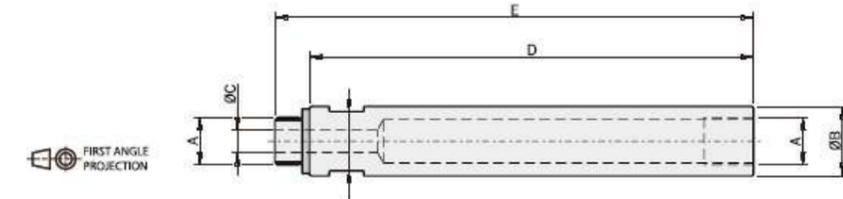
運用實例 / Application example



EOAT型材夾具 ≡

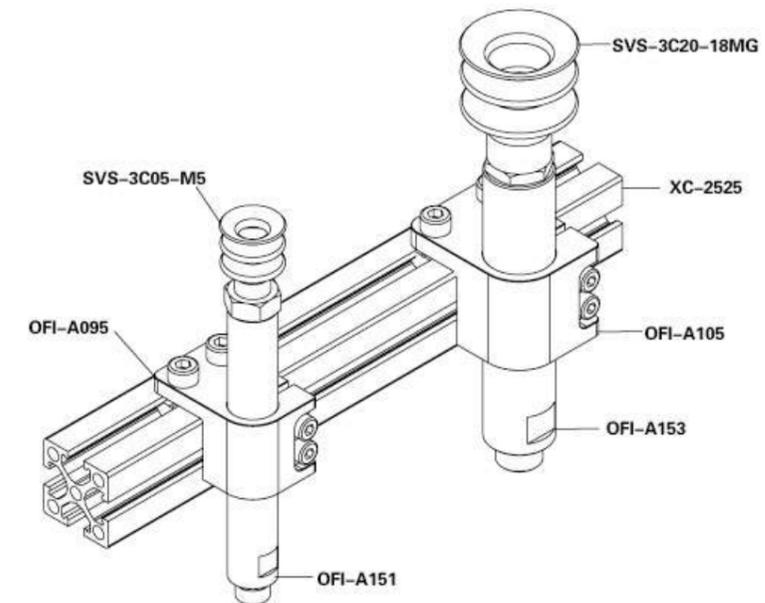
● OFI

空氣引導的延長管 Extension tube with air lead



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A154	M5	Φ10	Φ2	45	50	8	10g	
OFI-A155	M5	Φ10	Φ3	90	95	8	15g	
OFI-A150	G1/8"	Φ14	Φ4.5	45	52	12	15g	
OFI-A151	G1/8"	Φ14	Φ4.5	90	97	12	25g	
OFI-A152	G1/4"	Φ20	Φ6.5	45	53	17	30g	
OFI-A153	G1/4"	Φ20	Φ6.5	90	98	17	55g	

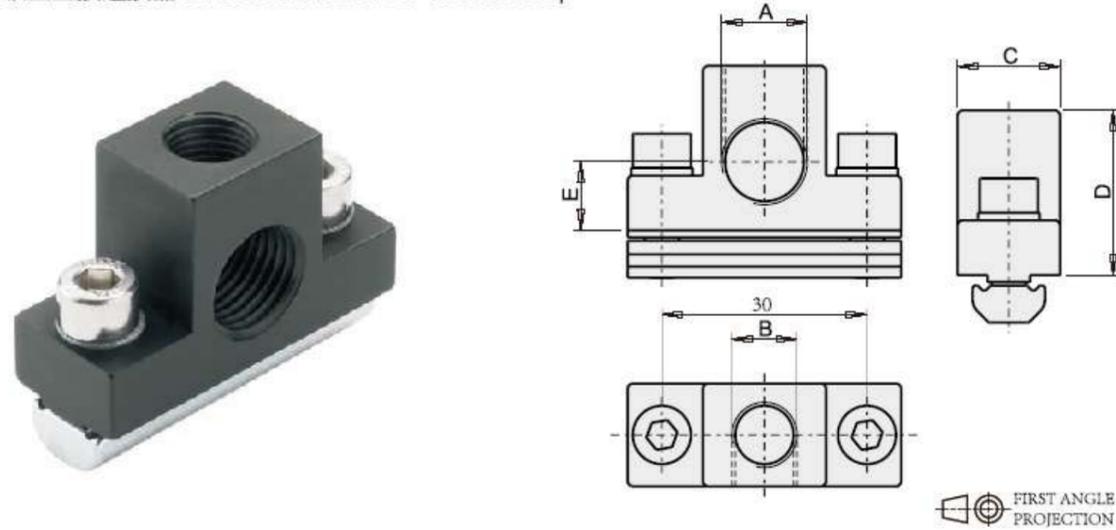
運用實例 / Application example



EOAT型材夾具

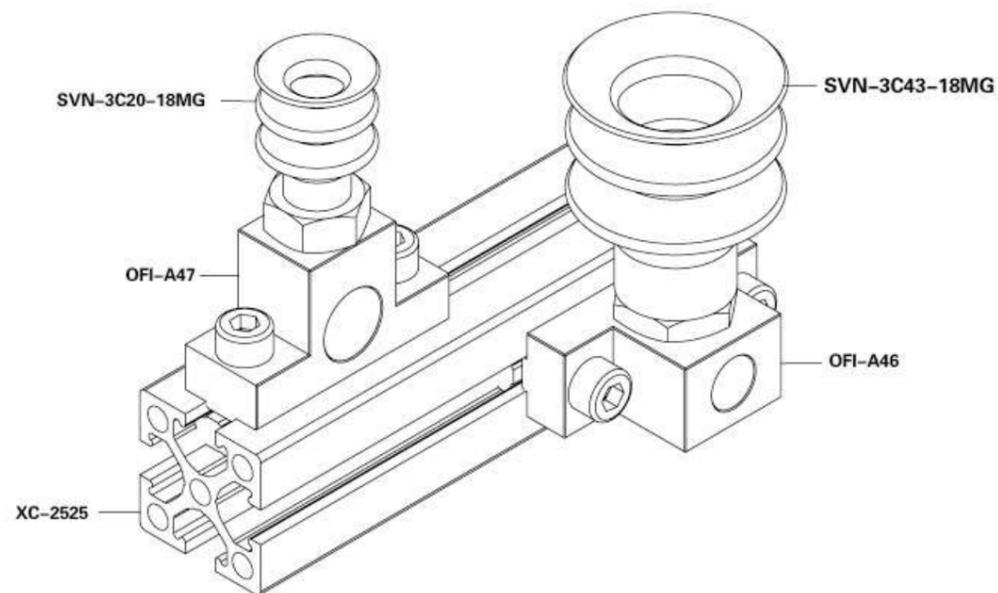
• OFI

真空吸盤直接連接器 Direct connector for vacuum cup



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	XC										重量 Weight	單價(元) Price(yuan)	
OFI-A46	G1/8"	G1/8"	15	24	12	XC-1018	XC-1818	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	XC-2017	XC-3026	XC-5045	42g	
OFI-A47	G1/4"	G1/8"	15	24	10	-	-	XC-2510	XC-2518	XC-2525	XC-5025	XC-4040	XC-8040	-	XC-3026	XC-5045	40g	

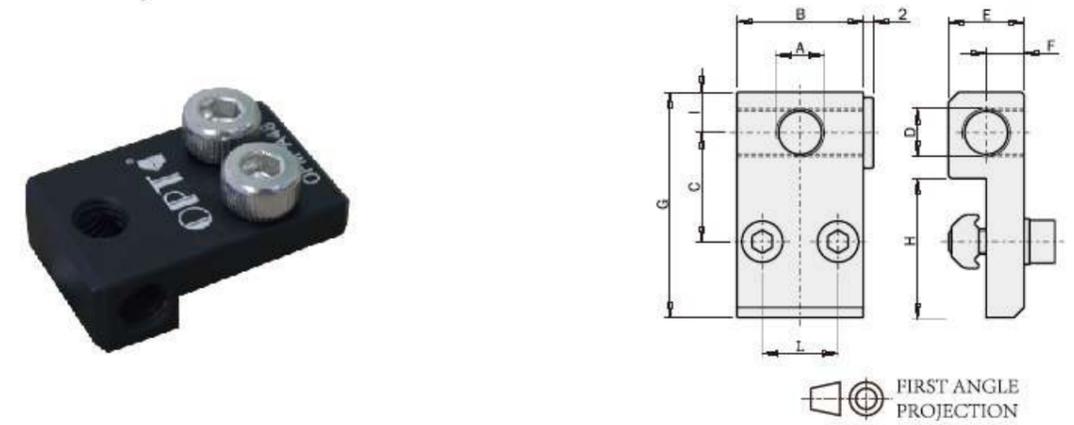
運用實例 / Application example



EOAT型材夾具

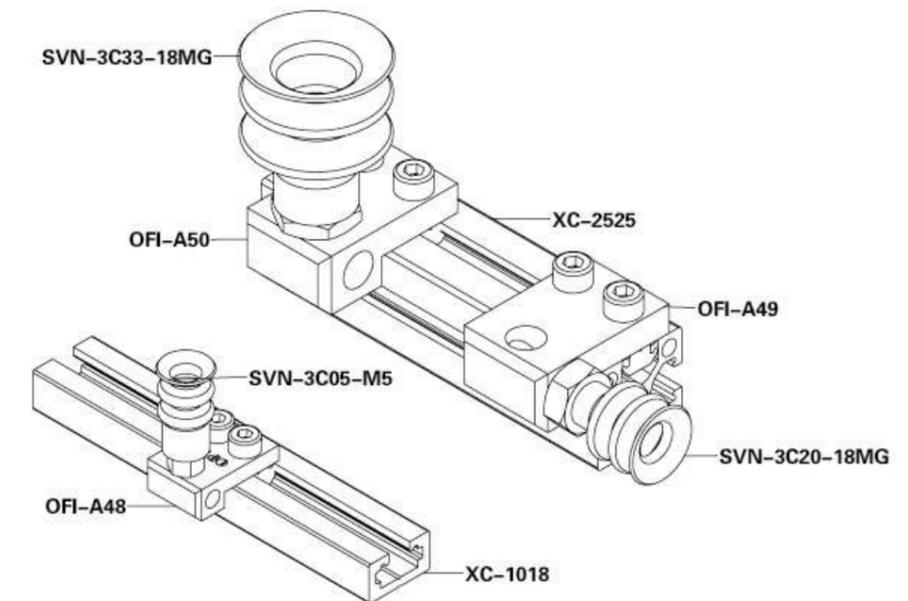
• OFI

真空吸盤固定支架 Long Mounting bracket for vacuum cup



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	XC-...				重量 Weight	單價(元) Price(yuan)
OFI-A48	M5	16	13.5	M5	8	4	29	18	4.3	8	-	XC-1818	XC-1018	-	15g	
OFI-A49	G1/8"	25	21.5	G1/8"	15	7.5	44.5	25	8	15	XC-2510	XC-2518	XC-2525	XC-5025	45g	
OFI-A50	G1/4"	25	21.5	G1/8"	15	7.5	46.5	25	10	15	XC-2510	XC-2518	XC-2525	XC-5025	45g	

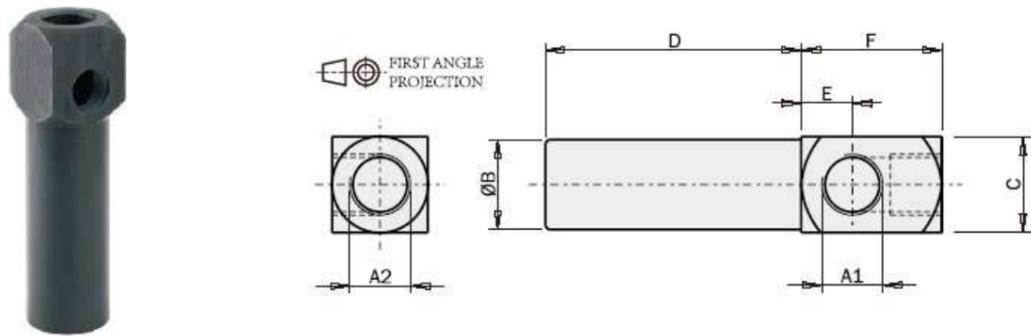
運用實例 / Application example



EOAT型材夾具

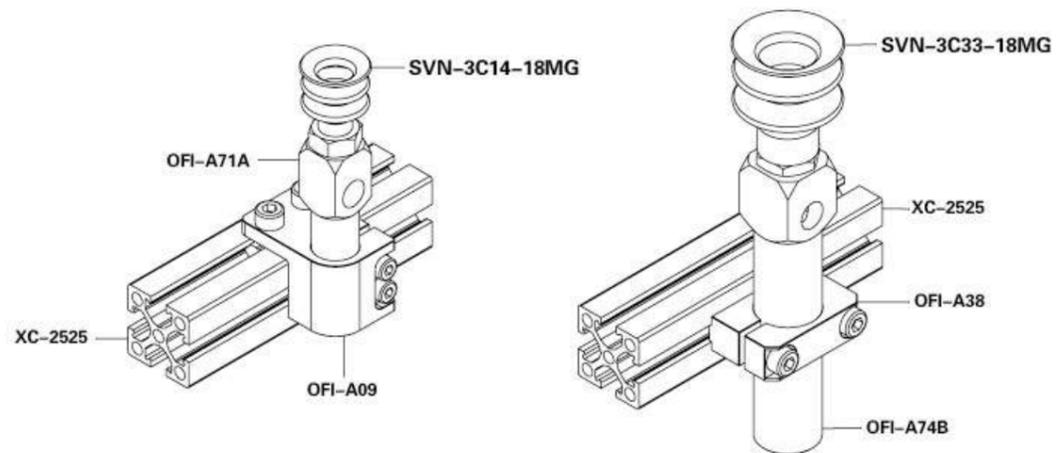
• OFI

真空吸盤支撐腿 Leg for vacuum cup



型號 Model	A1 (mm)	A2 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A70A	M5	M5	Φ10	11	30	6	16	10g	
OFI-A70B	M5	M5	Φ10	11	60	6	16	13g	
OFI-A70C	M5	M5	Φ10	11	90	6	16	17g	
OFI-A71A	G1/8"	G1/8"	Φ14	15	40	8	22	17g	
OFI-A71B	G1/8"	G1/8"	Φ14	15	60	8	22	17g	
OFI-A71C	G1/8"	G1/8"	Φ14	15	80	8	22	25g	
OFI-A71D	G1/8"	G1/8"	Φ14	15	120	8	22	32g	
OFI-A74A	G1/8"	G1/4"	Φ20	20	50	8	23	40g	
OFI-A74B	G1/8"	G1/4"	Φ20	20	75	8	23	40g	
OFI-A74C	G1/8"	G1/4"	Φ20	20	100	8	23	60g	
OFI-A74D	G1/8"	G1/4"	Φ20	20	150	8	23	75g	

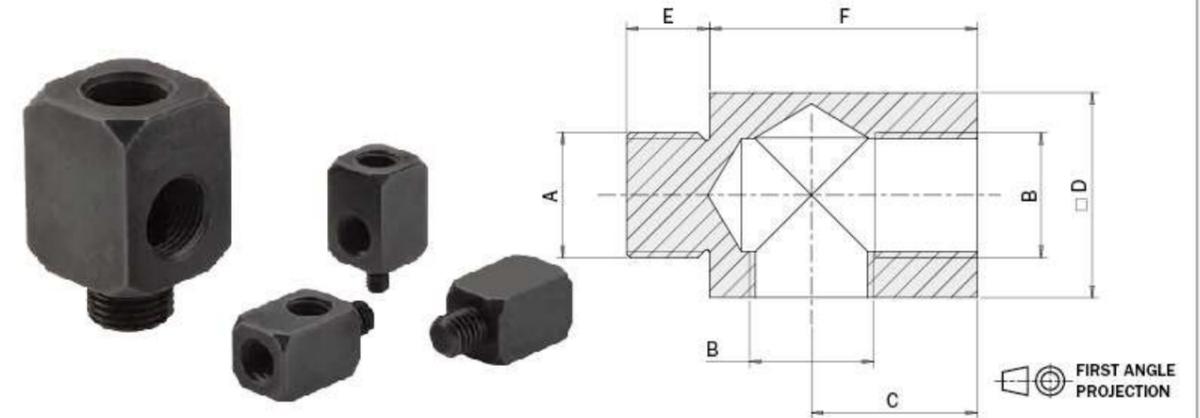
運用實例 / Application example



EOAT型材夾具

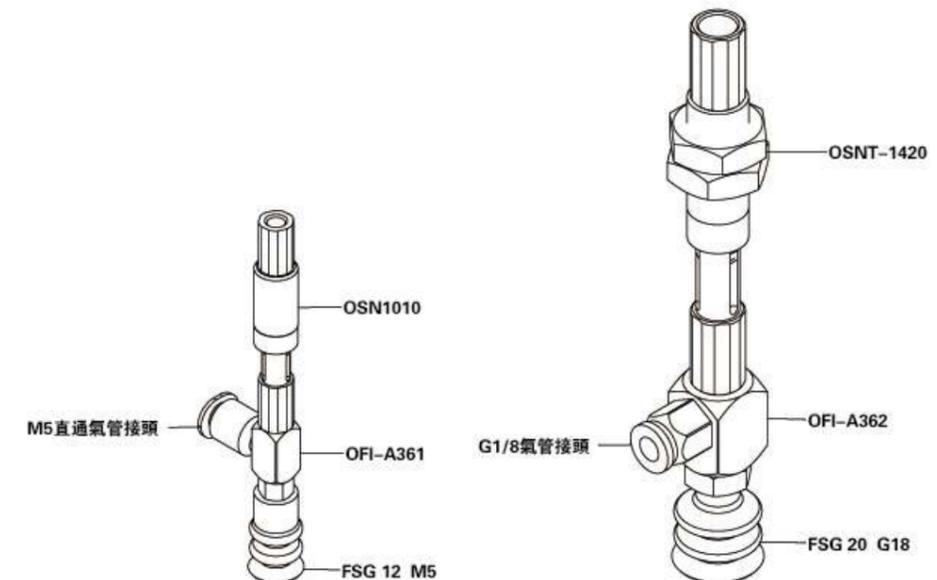
• OFI

吸盤專用轉換接頭 Mounting adapter for vacuum cup



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A361	M5	M5	8	8	5	14	2.2g	
OFI-A362	G1/8"	G1/8"	13	16	6.5	21	11.6g	
OFI-A364	M4	M5	8	8	5	12	1.8g	
OFI-A365	M3	M5	8	8	4	12	1.6g	

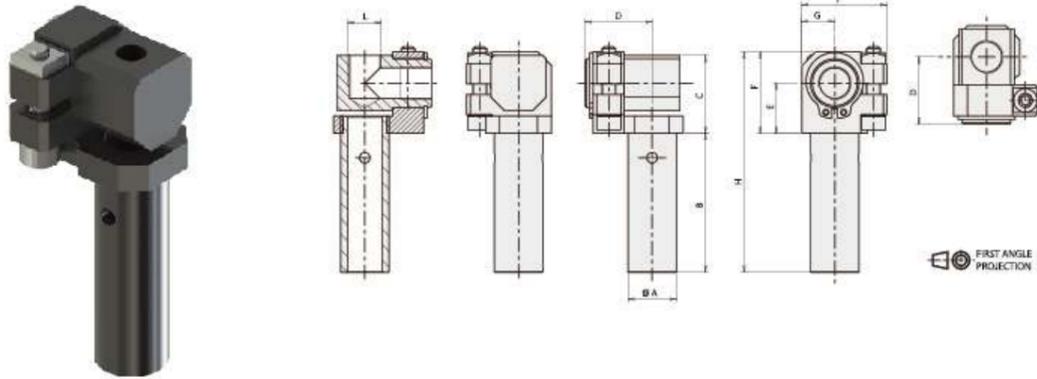
運用實例 / Application example



EOAT型材夾具

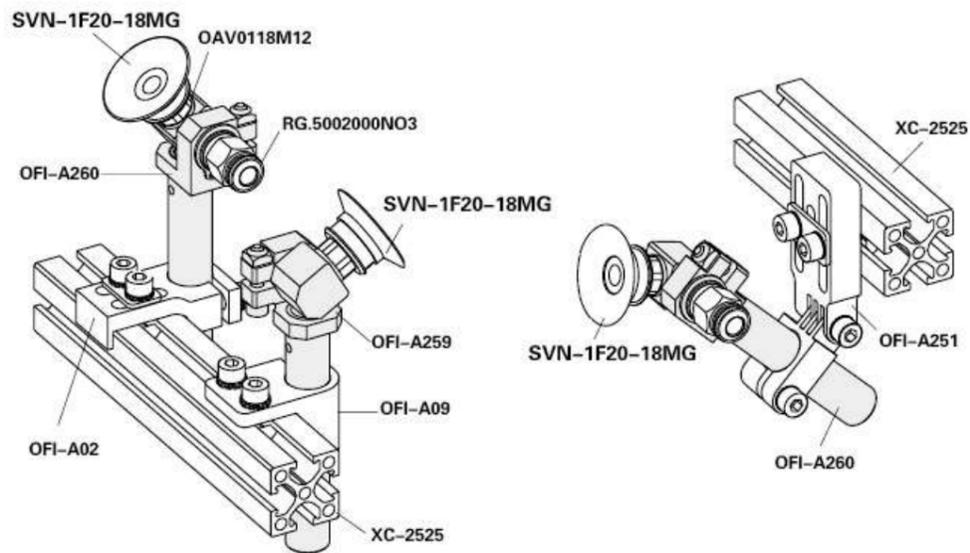
• OFI

真空吸盤彎臂 Elow arm for vacuum cup



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A256	Φ10	30	17	14.5	11	18	7	48	18.5	M5	14g	
OFI-A257	Φ10	60	17	14.5	11	18	7	78	18.5	M5	17g	
OFI-A258	Φ10	90	17	14.5	11	18	7	108	18.5	M5	20g	
OFI-A259	Φ14	40	22.5	19.4	14.5	23.5	9.5	63.5	24.5	G1/8"	32g	
OFI-A260	Φ14	80	22.5	19.4	14.5	23.5	9.5	103.5	24.5	G1/8"	40g	
OFI-A261	Φ14	120	22.5	19.4	14.5	23.5	9.5	143.5	24.5	G1/8"	48g	
OFI-A290	Φ20	50	28	23.3	18	30	12	80	33	G1/8"	63g	
OFI-A291	Φ20	100	28	23.3	18	30	12	130	33	G1/8"	78g	
OFI-A292	Φ20	150	28	23.3	18	30	12	180	33	G1/8"	93g	
OFI-A262	Φ20	50	30.5	23.3	18	30	12	80	30	G1/4"	59g	
OFI-A263	Φ20	100	30.5	23.3	18	30	12	130	30	G1/4"	73g	
OFI-A264	Φ20	150	30.5	23.3	18	30	12	180	30	G1/4"	88g	

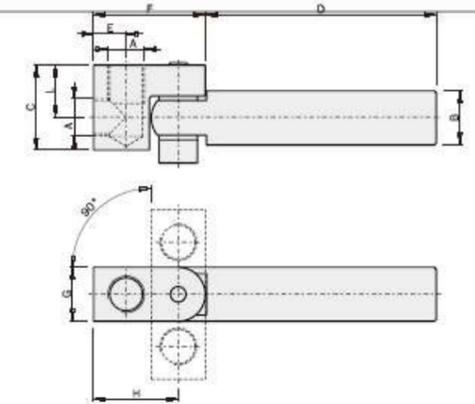
運用實例 / Application example



EOAT型材夾具

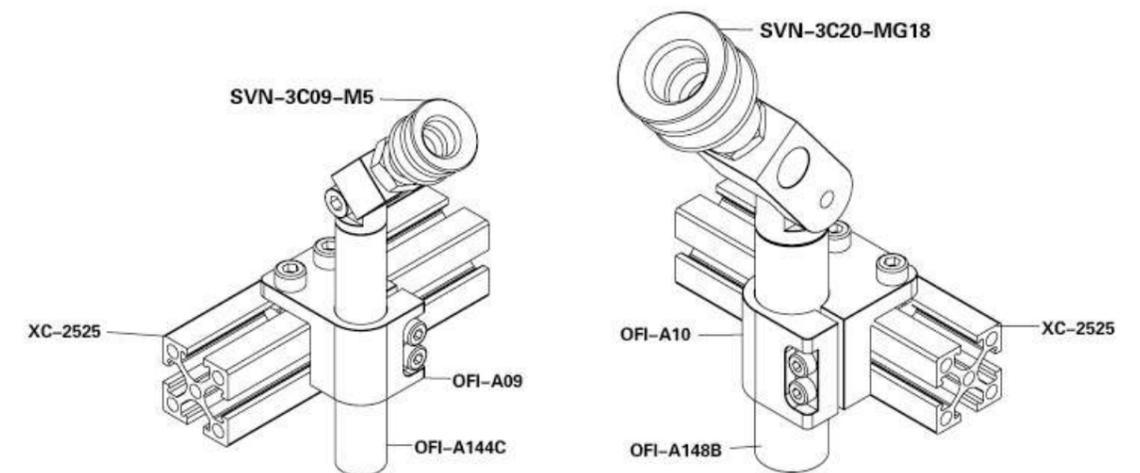
• OFI

真空吸盤彎臂 Elow arm for vacuum cup



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	重量 Weight	單價(元) Price(yuan)
OFI-A142A	M5	Φ10	16.5	45	5.5	19	14	22	11	18g	
OFI-A142B	M5	Φ10	16.5	65	5.5	19	14	22	11	27g	
OFI-A142C	M5	Φ14	22	85	8.5	29	14	22	13.5	33g	
OFI-A142D	M5	Φ14	22	83	8.5	29	14	22	13.5	50g	
OFI-A144A	G1/8"	Φ14	22	123	8.5	29	14	22	13.5	60g	
OFI-A144B	G1/8"	Φ14	22	43	8.5	29	14	22	13.5	100g	
OFI-A144C	G1/8"	Φ20	27	63	12	38	20	28	15	75g	
OFI-A144D	G1/8"	Φ14	27	83	12	38	20	28	15	115g	
OFI-A148A	G1/4"	Φ20	27	55	12	42	20	28	15	75g	
OFI-A148B	G1/4"	Φ20	27	80	12	42	20	28	15	65g	OFI-A148B
OFI-A148C	G1/4"	Φ20	27	105	12	42	20	28	15		
OFI-A148D	G1/4"	Φ20	27	155	12	42	20	28	15		

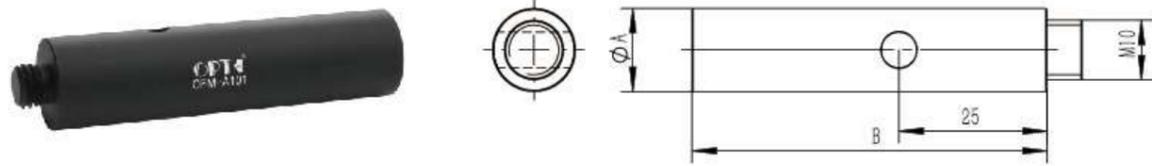
運用實例 / Application example



≡ EOAT型材夾具

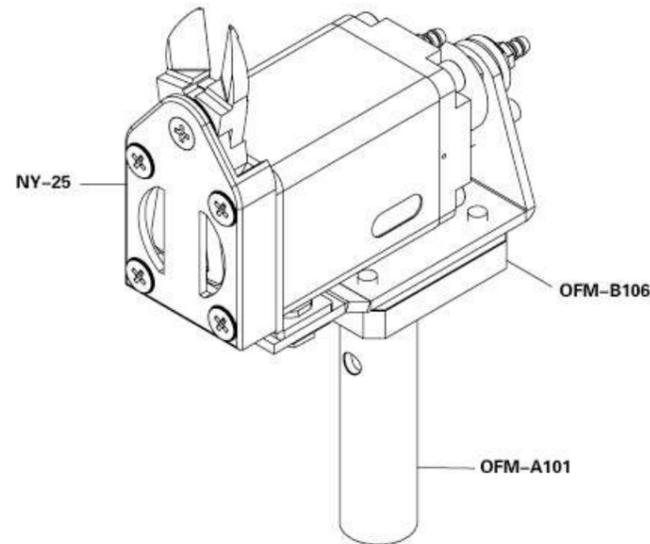
● OFM

圓柱連接杆 Cylindrical connecting rod



型號 Model	A mm	B mm	重量 Weight	單價(元) Price(yuan)
OFM-A98	14	35	14g	
OFM-A99	14	60	25g	
OFM-A102	14	120	50g	
OFM-A100	20	40	33g	
OFM-A101	20	80	67g	
OFM-A103	20	160	135g	

運用實例 / Application example



≡ EOAT型材夾具

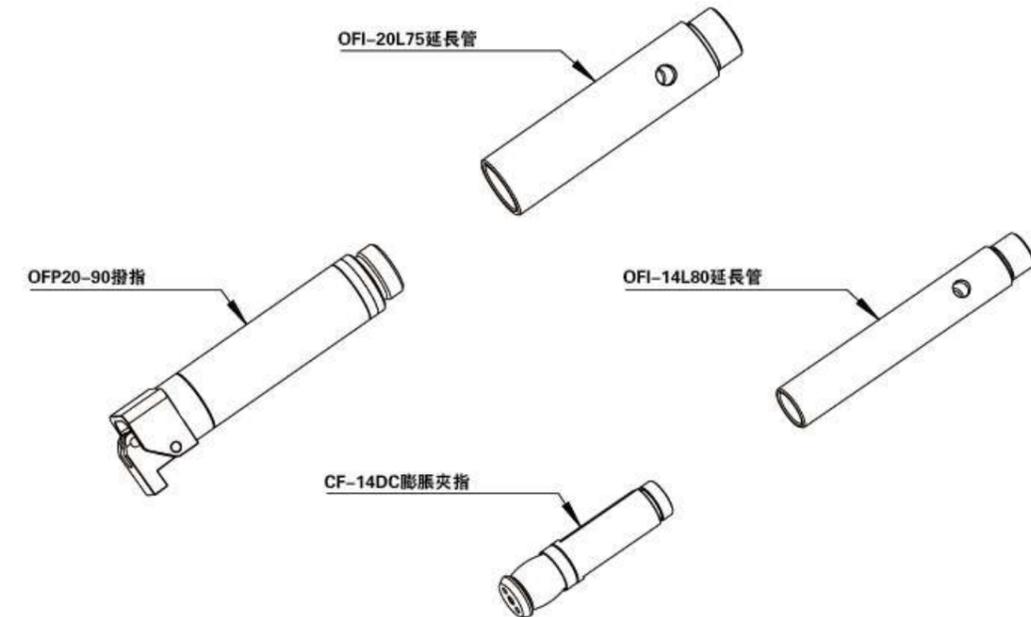
● OFM

延長管 Extension tube
鋁制 (in aluminum)



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L1 (mm)	L2 (mm)	重量 Weight	單價(元) Price(yuan)
F10L50	Φ10	15	M7X1.0	M7X1.0	Φ4.2	10	58	50	7g	
F14L80	Φ14	16	M12X1.0	M12X1.0	Φ5.2	12	89	80	10g	
F20L50	Φ20	15	M17X1.0	M17X1.0	Φ6	13	60	50	30g	
F20L100	Φ20	15	M17X1.0	M17X1.0	Φ6	13	110	100	30g	
F20L150	Φ20	15	M17X1.0	M17X1.0	Φ6	13	160	150	55g	
F30L100	Φ30	30	M27X1.0	M27X1.0	Φ8	18	115	100	75g	
F30L200	Φ30	30	M27X1.0	M27X1.0	Φ8	18	215	200	95g	

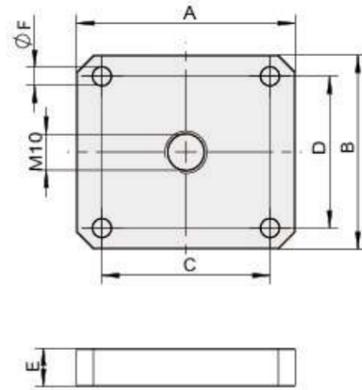
運用實例 / Application example



≡ EOAT型材夾具

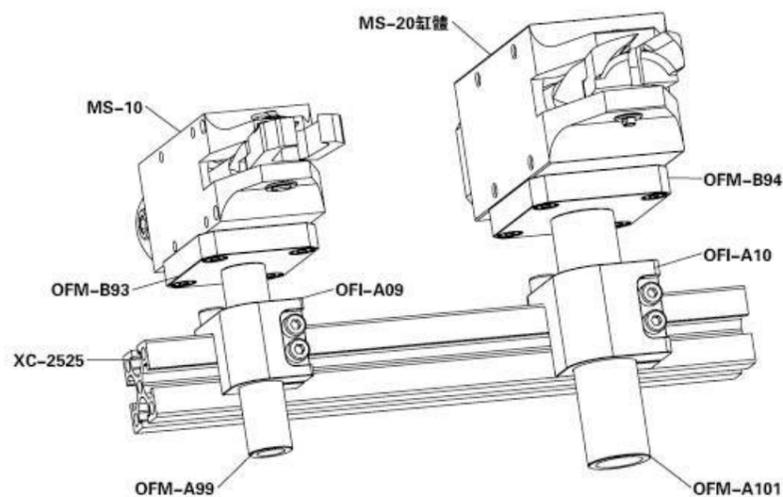
● OFM

方形安裝板 Square mounting plate



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B105	45	35	35	25	9	4xΦ4.5	12.5g	NY-15	
OFM-B90	28	24	20	16	8	4xΦ3.3	13.3g	MS-3	
OFM-B92	38	32	30	24	8	4xΦ3.3	18.7g	MS-5	
OFM-B93	47	39	35	29	8	4xΦ4.5	24.4g	MS-10	
OFM-B94	52	46	40	36	9	4xΦ4.5	48.7g	MS-20	
OFM-B95	74	58	60	46	10	4xΦ5.5	81.7g	MS-30	

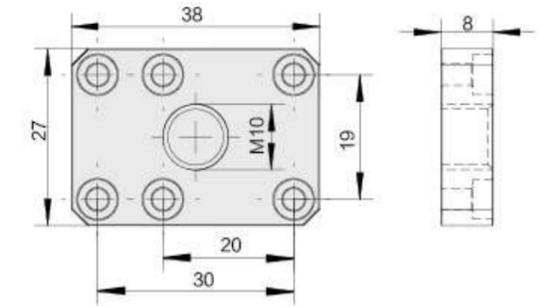
運用實例 / Application example



EOAT型材夾具 ≡

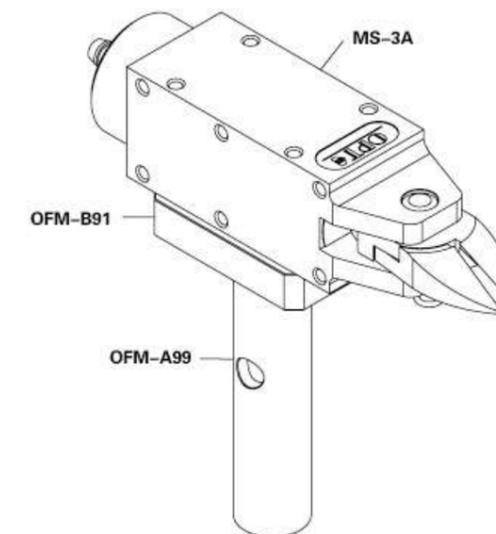
● OFM

方形氣剪接杆安裝板 Square gas splicing bar mounting plate



型號 Model	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B91	18g	MS-3A	

運用實例 / Application example

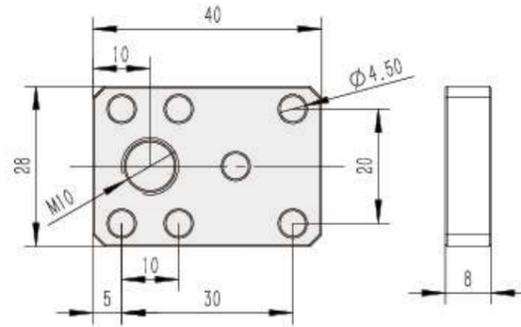


≡ EOAT型材夾具

● OFM

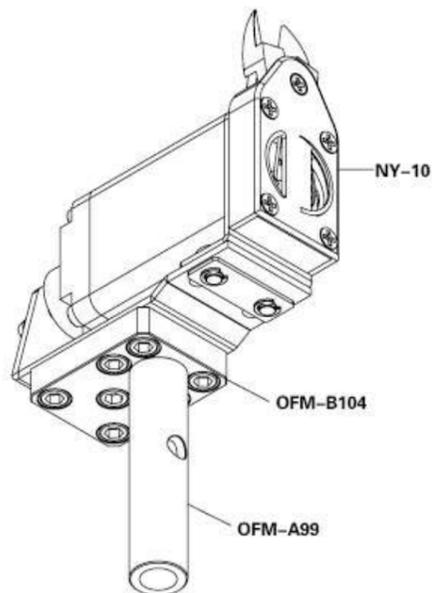
安裝板 Mounting plate

OFM-B104



型號 Model	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B104	20g	NY-10、NW-20	

運用實例 / Application example

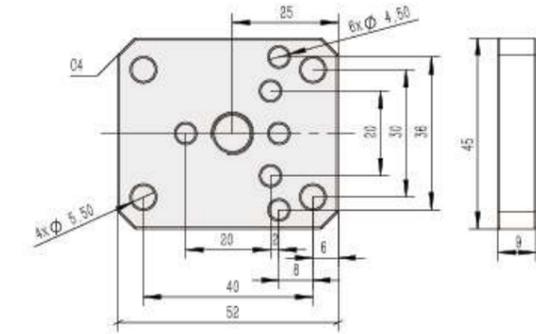


EOAT型材夾具 ≡

● OFM

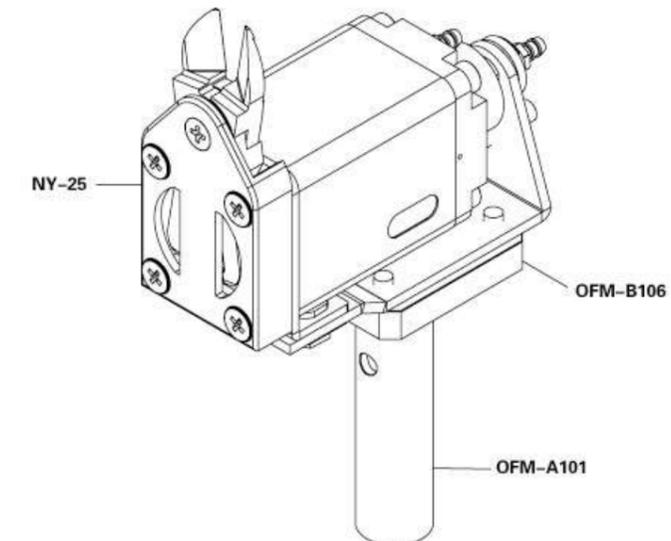
安裝板 Mounting plate

OFM-B106



型號 Model	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B106	50g	NY-25、NW-35	

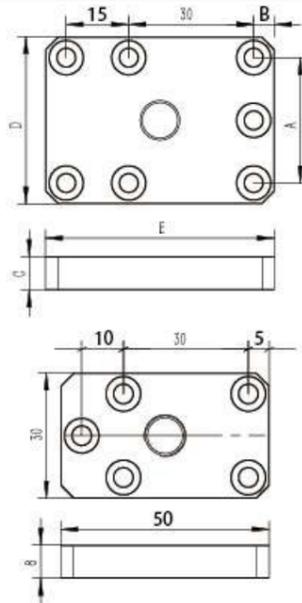
運用實例 / Application example



EOAT型材夾具

• OFM

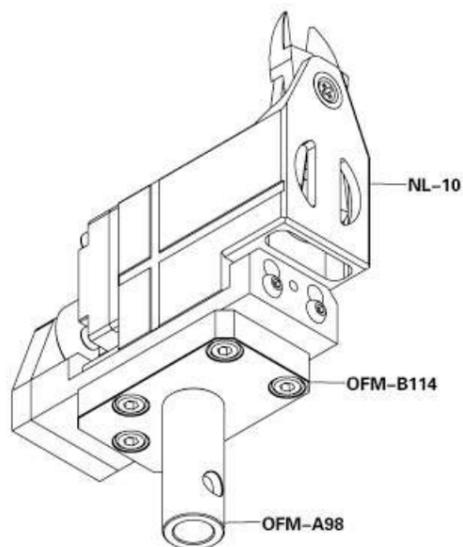
NL安裝板 NL mounting plate



型號 Model	A mm	B mm	C mm	D mm	E mm	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B115	25	4	8	35	55	33g	NL-15	
OFM-B116	30	6	8	40	55	45g	NL-25	

型號 Model	重量 Weight	適用於 Suit for	單價(元) Price(yuan)
OFM-B114	25g	NL-10	

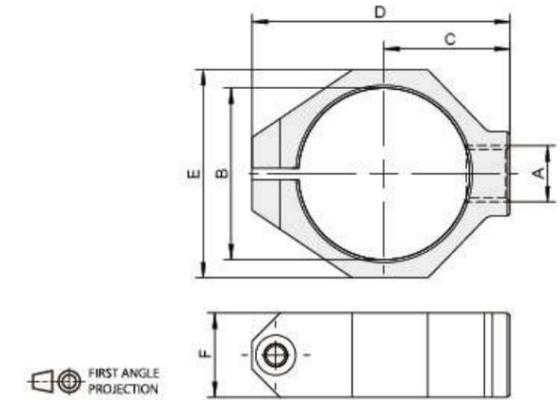
運用實例 / Application example



EOAT型材夾具

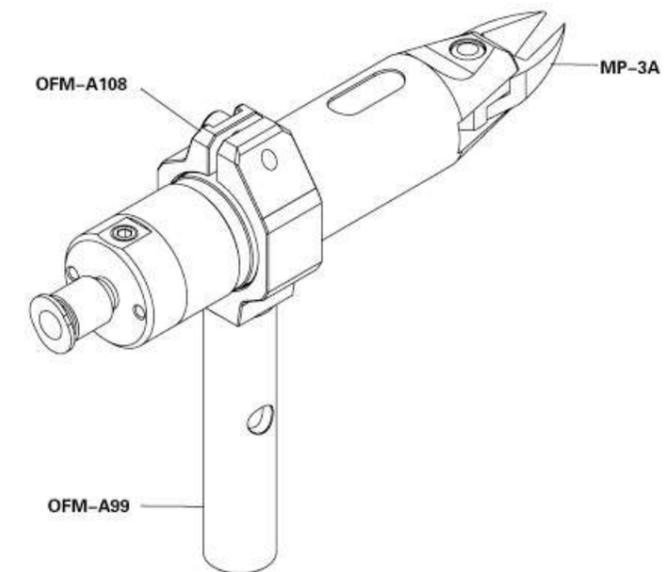
• OFM

鋁制固定支架 Aluminium mounting bracket



型號 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	重量 Weight	單價(元) Price(yuan)
OFM-A107	M10	Φ20.5	17.5	35.5	26.5	15	12.5g	
OFM-A108	M10	Φ24.5	19	39	30	15	13.3g	
OFM-A109	M10	Φ30.5	22.5	46	37	15	18.7g	
OFM-A110	M10	Φ35	25	50	43	15	24.4g	
OFM-A111	M10	Φ45	30.5	62	53	20	48.7g	
OFM-A112	M10	Φ56.5	36.5	74.5	65	25	81.7g	

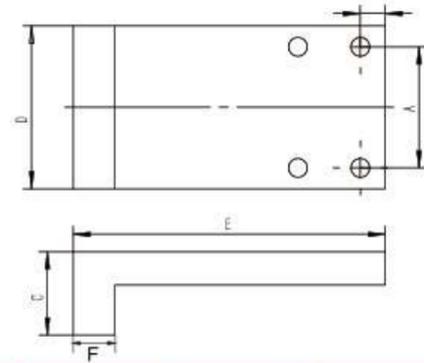
運用實例 / Application example



≡ EOAT型材夾具

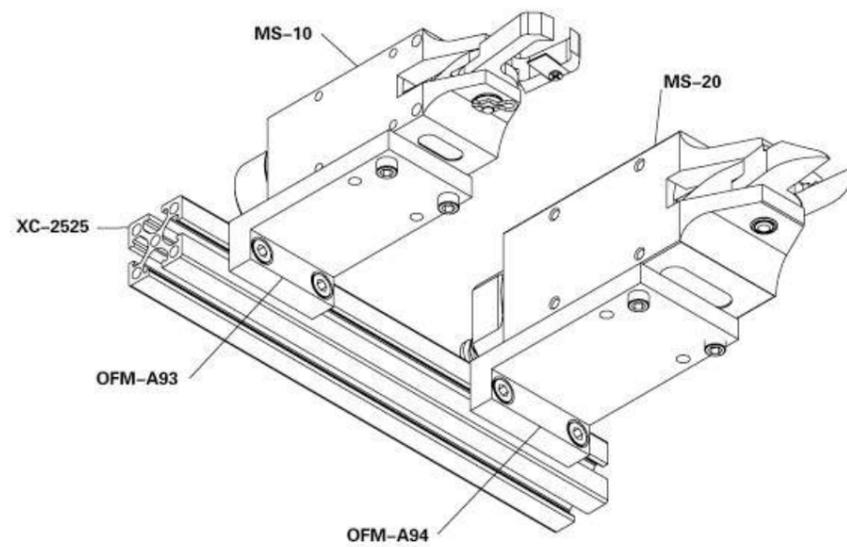
• OFM

L形安裝板 L-shaped mounting plate



型號 Model	A mm	B mm	C mm	D mm	E mm	F mm	适用于 Suitable for	重量 Weight	單價(元) Price(yuan)
OFM-A90	16	4	20	24	65	8	MS-3	36g	
OFM-A91	19	4	20	27	55	10	MS-3A	37g	
OFM-A92	24	4	20	32	65	10	MS-5	51g	
OFM-A93	29	6	20	39	75	10	MS-10	71g	
OFM-A94	36	6	20	46	80	10	MS-20	90g	
OFM-A95	46	7	25	58	85	10	MS-30	128g	

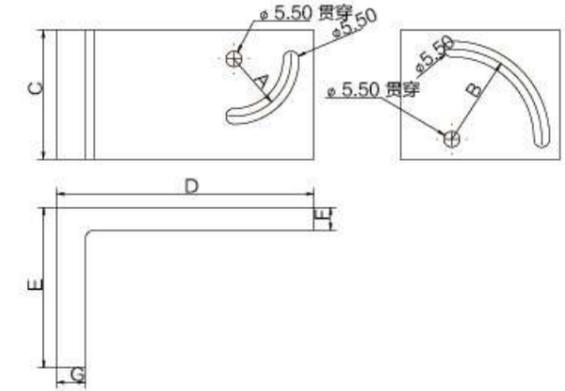
運用實例 / Application example



≡ EOAT型材夾具

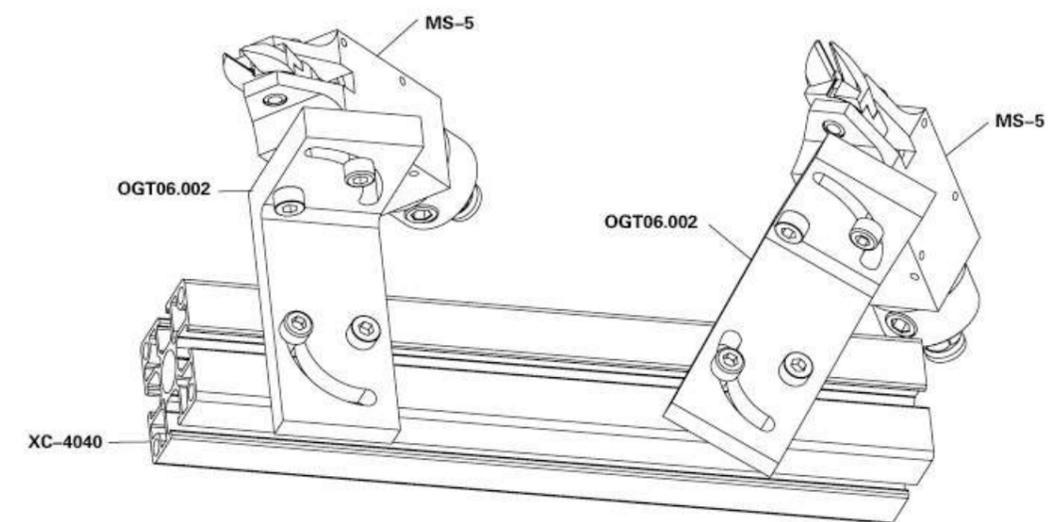
• OFM

L形角度可調安裝板 L-shaped and adjustable angle mounting plate



型號 Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	重量 Weight	單價(元) Price(yuan)
OGT06.001	20	24	35	80	50	8	10	100g	
OGT06.002	20	31.5	45	90	56	8	10	115g	

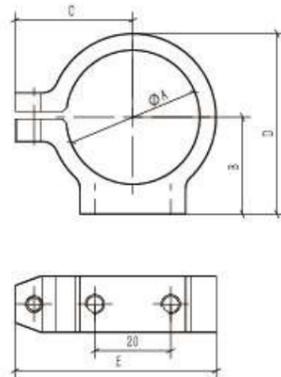
運用實例 / Application example



≡ EOAT型材夾具

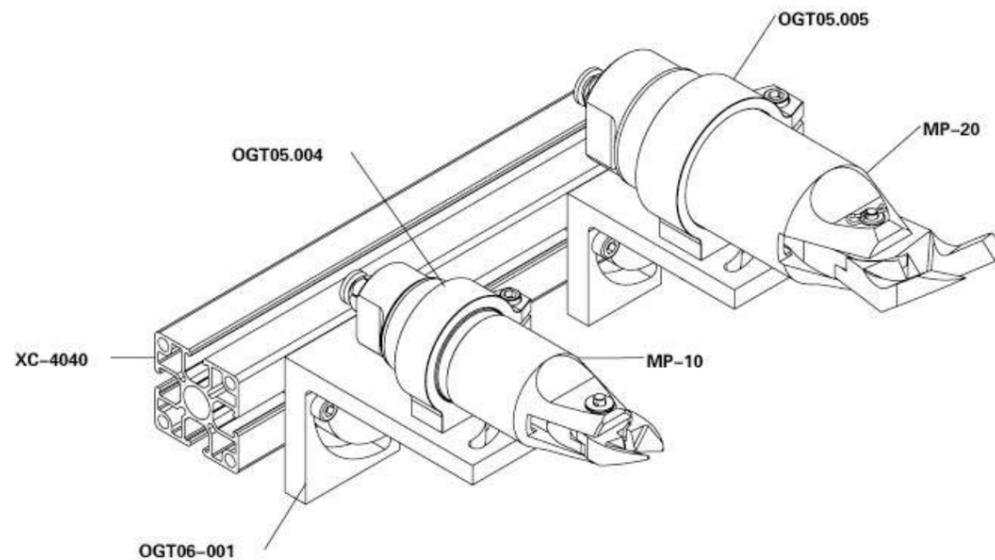
● OFM

安裝圈 Mounting ring



型號 Model	A mm	B mm	C mm	D mm	E mm	适用于 Suitable for	重量 Weight	單價(元) Price(yuan)
OGT05.001	20.5	13.25	23	26.5	36.25	MP-3	19g	
OGT05.002	24.5	15	23	30	38	MP-3A	21g	
OGT05.003	30.5	18.5	25.5	37	44	MP-5	27g	
OGT05.004	35	21	27	42	48	MP-10	30g	
OGT05.005	44.5	26.5	32	52	57.5	MP-20	49g	
OGT05.006	56.5	33	39	64.5	70.5	MP-30	79g	

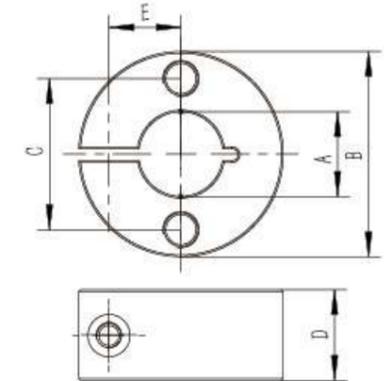
運用實例 / Application example



EOAT型材夾具 ≡

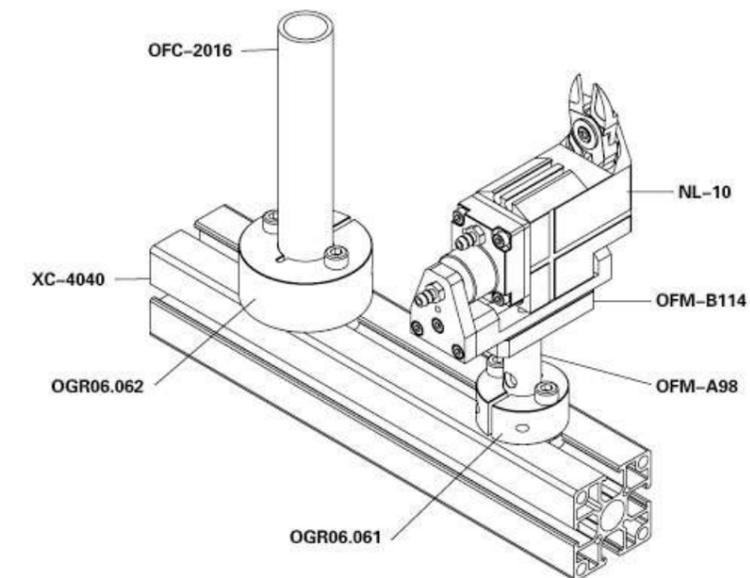
● OFI

安裝固定座 Installation mount



型號 Model	A mm	B mm	C mm	D mm	E mm	重量 Weight	單價(元) Price(yuan)
OGR06.061	14	34	25	15	12	27g	
OGR06.062	20	49	32	22	13.4	85g	

運用實例 / Application example

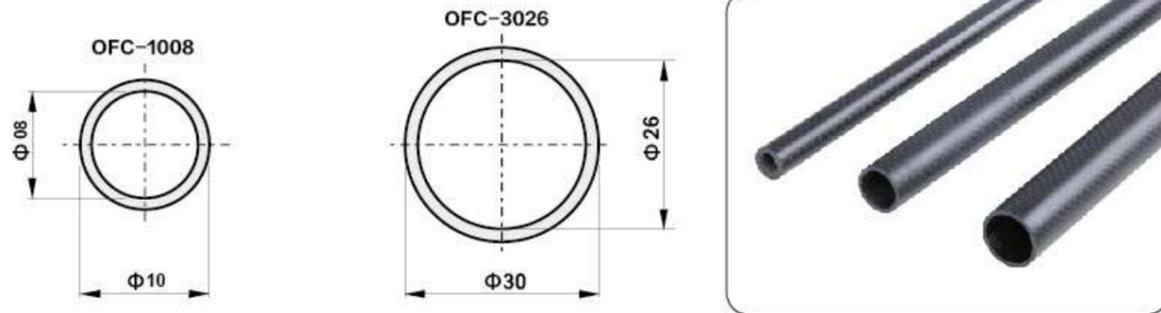


EOAT型材夾具

● 碳纖維圓管 Carbon fiber round tube

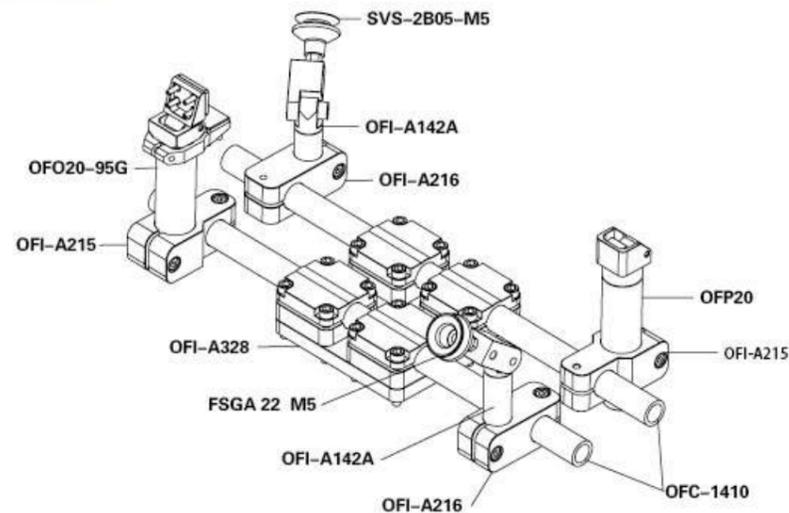
採用低密度、輕量化的碳纖維材料，彎曲強度、剪切強度、拉伸强度高，尺寸穩定，導電、導熱、熱膨脹係數小、自潤滑和吸能抗震，具有輕質、高強、耐高溫、抗腐蝕、耐疲勞、耐磨損的特點。

Low-density, and lightweight carbon fiber material, high bending strength, shear strength, and tensile strength, dimensional stability, electrical conductivity, thermal conductivity, low expansion coefficient, self-lubricating and good seismic performance, with the characteristics of light weight, high strength, high temperature resistance, resistance to corrosion, fatigue resistance and wear resistance.



型號 Model	材料 Material	E (GPa)	長度 (Length)	重量 (Weight)	端蓋 (Plugs)	單價(元) Price(yuan)
OFC-1008-1m	Carbon composite 碳纖維	105	1m	45g	OFP-K10	
OFC-1410-1.5m		105	1.5m	172.5g	OFP-K14	
OFC-2016-2m		105	2m	340g	OFP-K20	
OFC-2521-2m		105	2m	436g	OFP-K25	
OFC-3026-2m		105	2m	530g	OFP-K30	
OFC-4035-2m		105	2m	890g	OFP-K40	

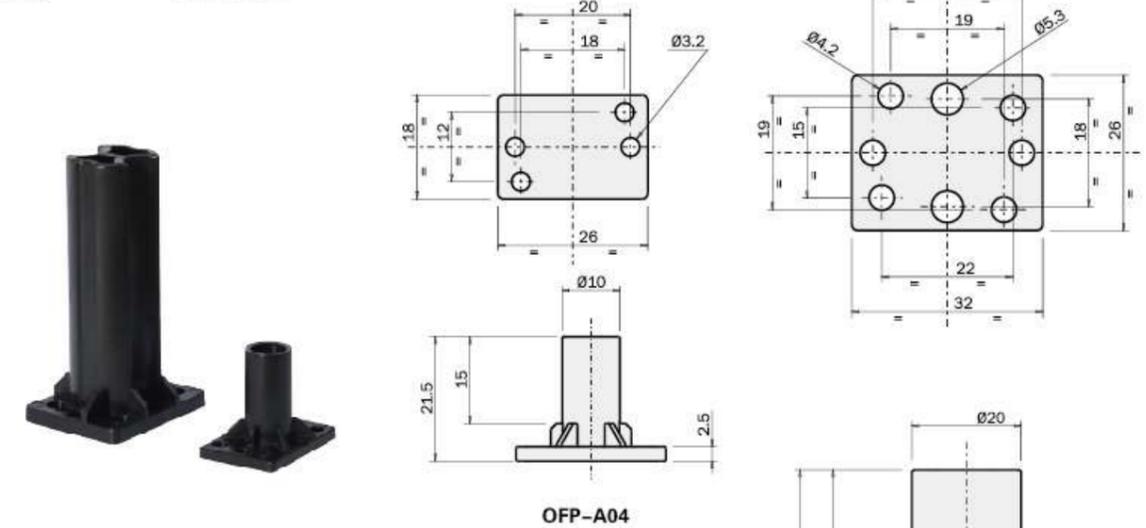
運用實例 / Application example



EOAT型材夾具

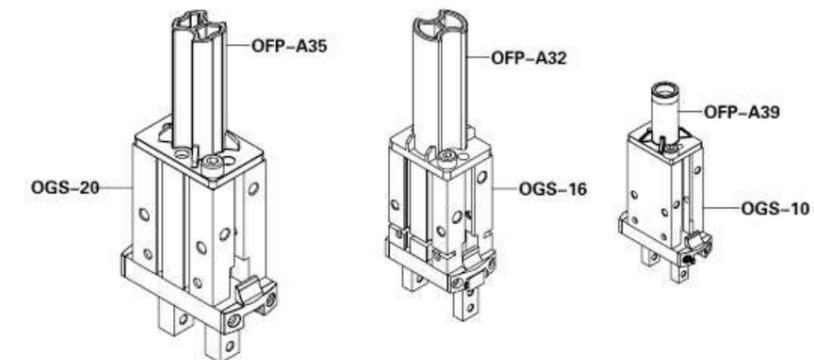
● OFP

聚合物夾具安裝支架 Polymer fixture mounting bracket
含螺釘套件 Kit with screws



型號 Model	重量 Weight	適用於 Suitable for	單價(元) Price(yuan)
OFP-A32	13g	MHZ2-16D, MHC2-16D, SGP-32S	
OFP-A33	6g	MHY2-10D	
OFP-A35	15g	MHZ2-20D, MHC2-20D, AA-22, AA-26	
OFP-A36	14g	MHY2-16D	
OFP-A39	4g	MHZ2-10D, MHC2-10D, SGP-20S	
OFP-A40	12g	MHY2-20D	
OFP-A41	3g	MHZ2-06D	
OFP-A42	7g	OGRZ-20, SGP-25S	
OFP-A43	7g	OGRZ-12, OGRZ-14	

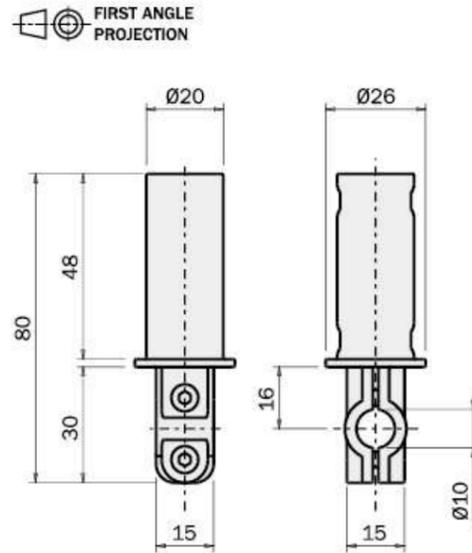
運用實例 / Application example



≡ EOAT型材夾具

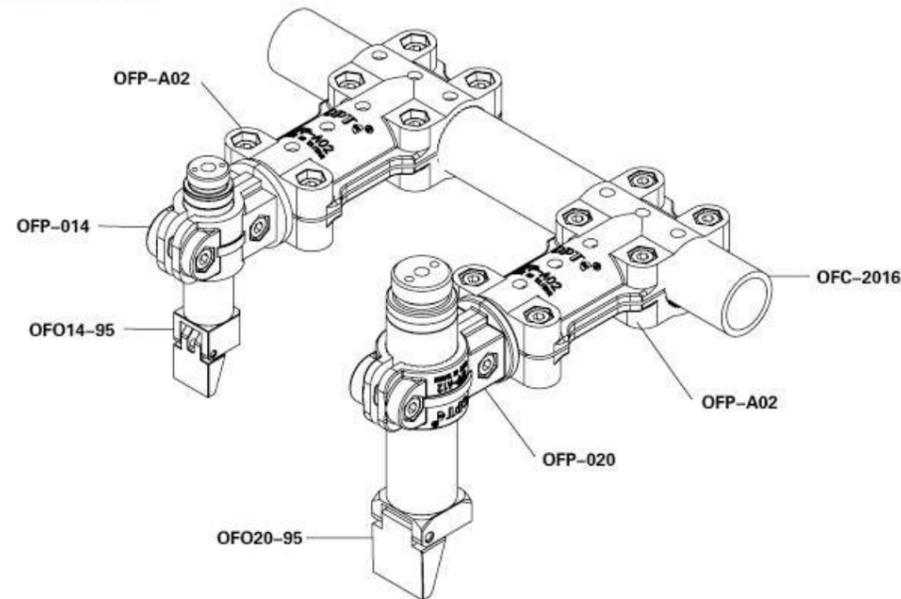
● OFP

聚合物安裝支架 Polymer mounting bracket $\Phi 20-10$
半片兩個+螺釘 2 half-pieces + screws



型號 Model	重量 Weight	單價(元) Price(yuan)
OFP-A03	35g	

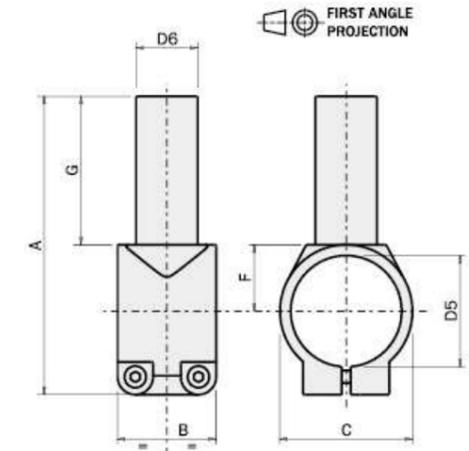
運用實例 / Application example



≡ EOAT型材夾具

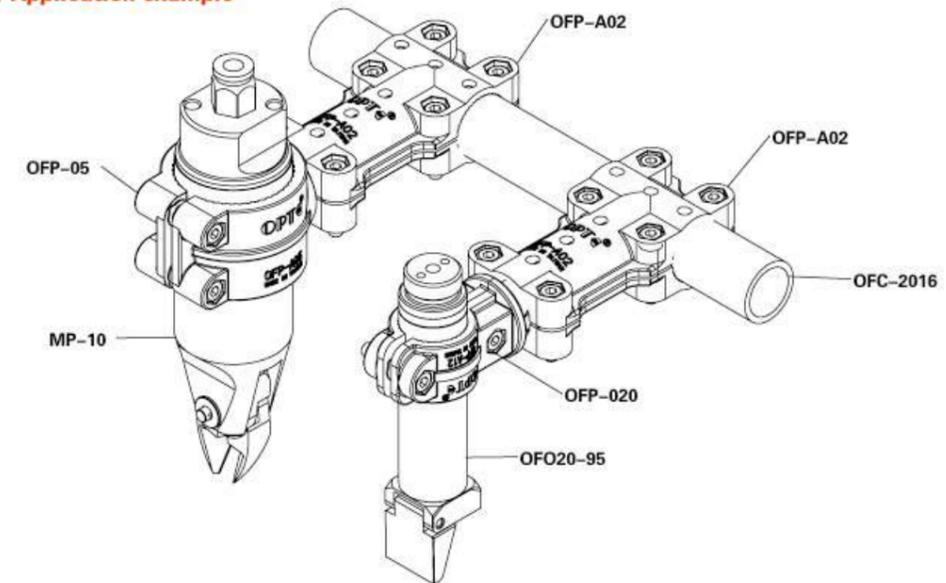
● OFP

聚合物安裝支架 Polymer mounting bracket
半片兩個+螺釘 2 half-pieces+screws



型號 Model	A (mm)	B (mm)	C (mm)	D5 (mm)	D6 (mm)	F (mm)	G (mm)	重量 Weight	适用于 Suitable for	單價(元) Price(yuan)
OFP-A03	80	15	18	$\Phi 10$	$\Phi 20$	18	48	20g	10(直徑)	
OFP-A05	96.5	32	43	$\Phi 36$	$\Phi 20$	21.5	48	35g	MP-10	
OFP-A06	107.5	36	52.6	$\Phi 45$	$\Phi 20$	26.3	48	40g	MP-20	
OFP-A07	118.5	40	64	$\Phi 56$	$\Phi 20$	32	48	52g	MP-30	
OFP-A08	90	30	36	$\Phi 30$	$\Phi 20$	18	48	36g	MP-5/30(直徑)	
OFP-A12	93	20	28	$\Phi 20$	$\Phi 20$	25.85	48	26g	MP-3/20(直徑)	
OFP-A13	84.3	20	21	$\Phi 14$	$\Phi 20$	20.5	48	24g	14(直徑)	

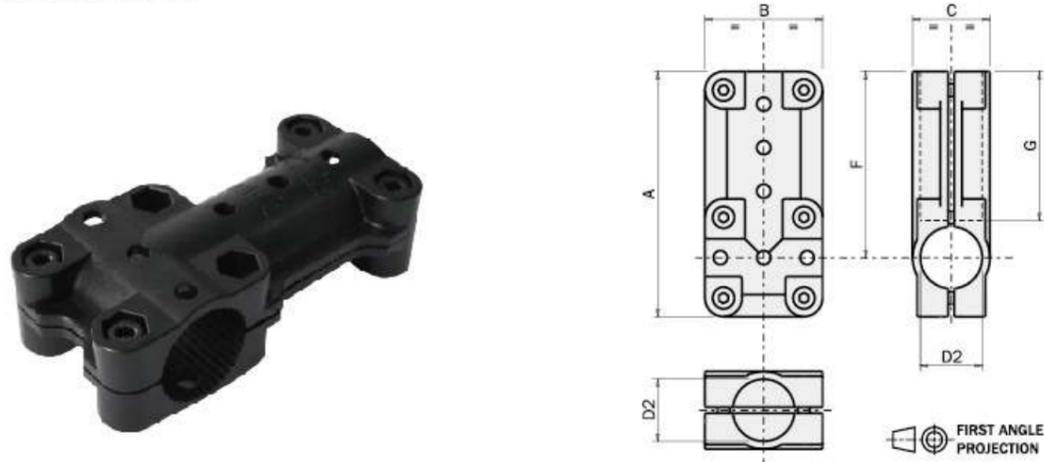
運用實例 / Application example



EOAT型材夾具

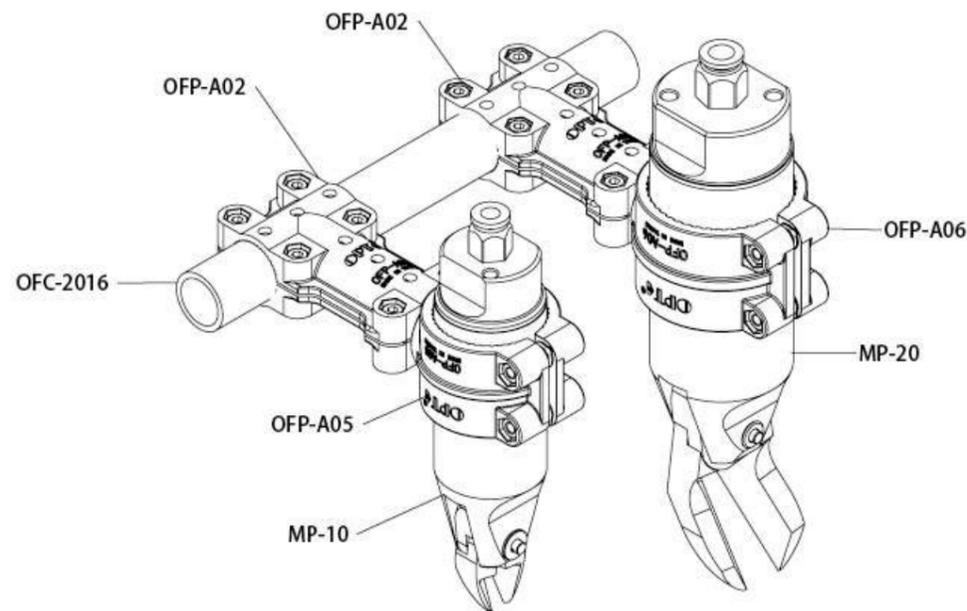
• OFM

聚合物T型連接器 Polymer T connector
半片兩個+螺釘 2 half-pieces+screws



型號 Model	A (mm)	B (mm)	C (mm)	D2 (mm)	F (mm)	G (mm)	重量 Weight	單價(元) Price(yuan)
OFP-A02	79	38	25	Φ20	60	48	26g	
OFP-A09	90	48	36	Φ30	66	48	56g	

運用實例 / Application example



EOAT型材夾具

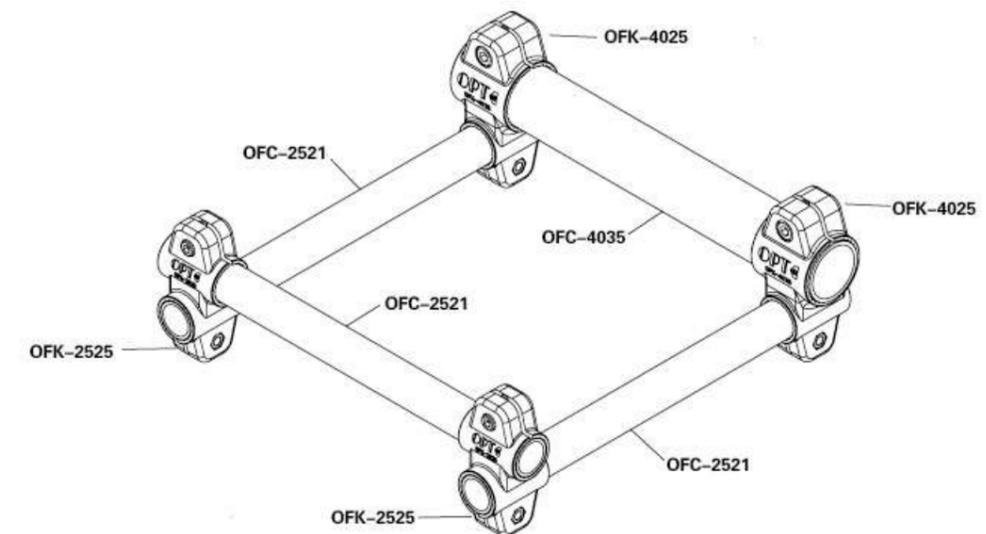
• OFK

碳纖維圓管轉接頭 (Carbon fiber round pipe straight joint)



型號 Model	材料 Material	A (mm)	B (mm)	L (mm)	C (mm)	E (mm)	F (mm)	G (mm)	D1 (mm)	D2 (mm)	重量 Weight	單價(元) Price(yuan)
OFK-2525	碳纖維 Carbon composite	25	25	93.5	46	46	27	33.3	Φ6.5	Φ6.5	79.5g	
OFK-4025		40	25	108.1	46	45.6	35.5	33.3	Φ8.5	Φ6.5	100g	
OFK-4040		40	40	121.1	46.5	46.5	42.7	39.1	Φ8.5	Φ6.5	130g	

運用實例 / Application example



≡ EOAT型材夾具

• PLA

碳纖維治具安裝板

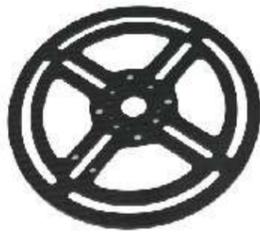
碳纖維板具有强度高、壽命長、耐腐蝕、質量輕、低密度等優點。產品耐熱性、抗熱衝擊性強、柔韌性好、易塑性、變形量小、抗腐蝕與輻射性能優秀。

Carbon fiber fixture mounting plate

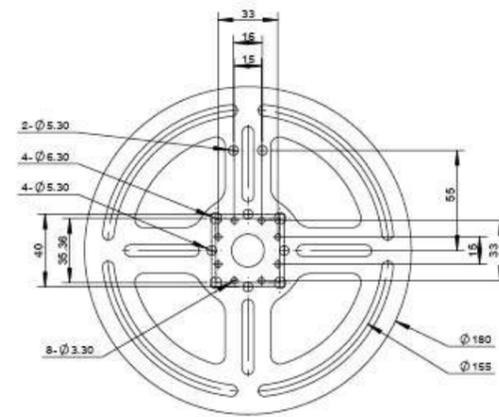
Carbon fiber board has the advantages of high strength, long life, corrosion resistance, light weight and low density. The product has good heat resistance, thermal shock resistance, good flexibility, easy plasticity, less deformation, corrosion resistance and excellent radiation performance.

PLR-1818

- 可匹配快換盤：
手動快換OC-50B
自動快換OQC-005B OQC-011B



尺寸(mm) Dimensions (mm)



型號 Model	重量 Weight	單價(元) Price(yuan)
PLR-1818	78.3g	

運用實例 / Application example



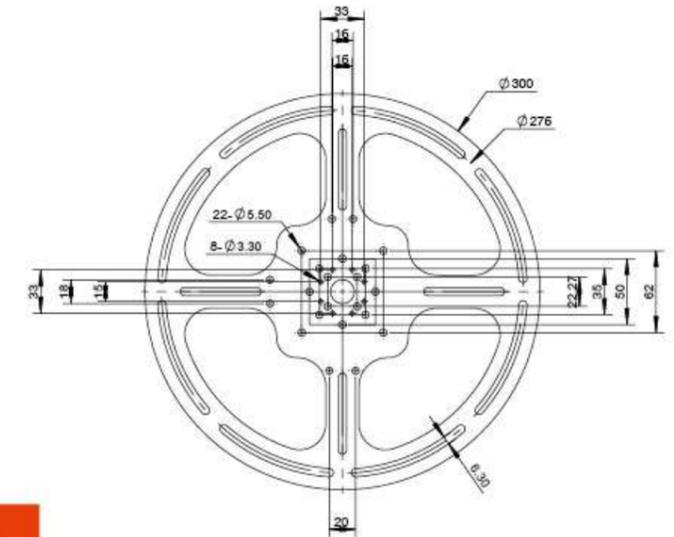
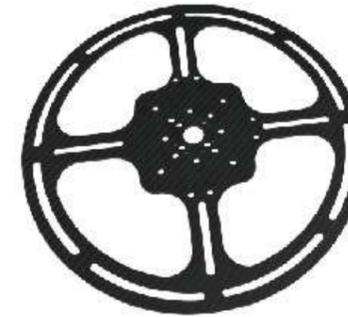
EOAT型材夾具 ≡

• PLA

PLR-2525

- 可匹配快換盤：
手動快換OC-90B OC-50B
自動快換OX-XBI OX-SBDI

尺寸(mm) Dimensions (mm)



型號 Model	重量 Weight	單價(元) Price(yuan)
PLR-2525	183g	

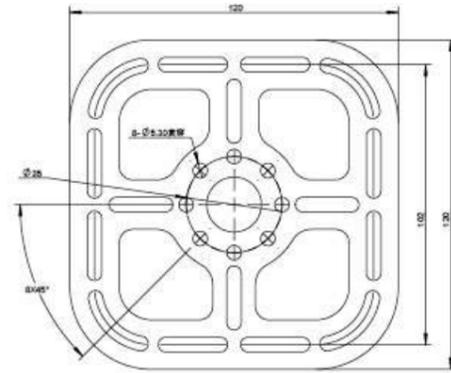
運用實例 / Application example



≡ EOAT型材夾具

• PLA

PLA-1212
• 適用於SGL機器人



型號 Model	重量 Weight	單價(元) Price(yuan)
PLA-1212	35g	

運用實例 / Application example



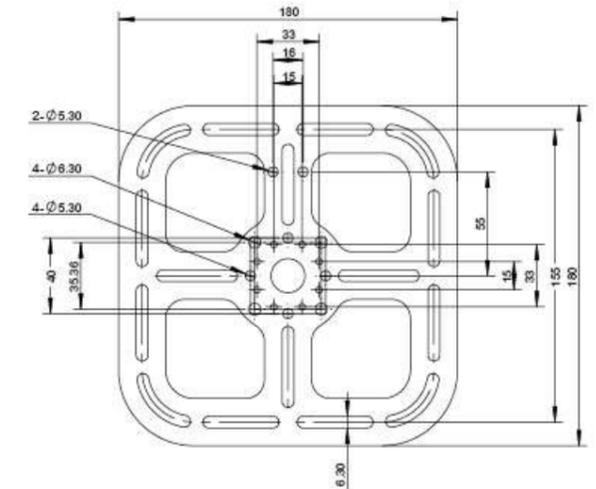
EOAT型材夾具 ≡

• PLA

PLA-1818
• 可匹配快換盤:
手動快換OC-50B
自動快換OQC-005B OQC-011B



尺寸(mm) Dimensions (mm)



型號 Model	重量 Weight	單價(元) Price(yuan)
PLA-1818	89.3g	

運用實例 / Application example

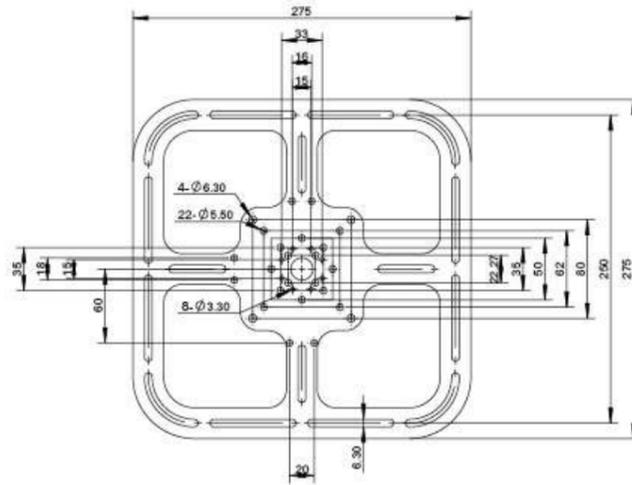
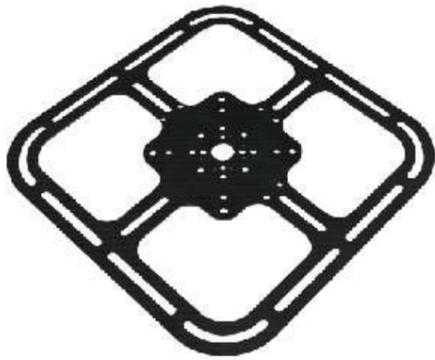


≡ EOAT型材夾具

• PLA

PLA-2525

- 可匹配快換盤:
手動快換OC-90B OC-50B
自動快換OX-XBI OX-SBDI



型號 Model	重量 Weight	單價(元) Price(yuan)
PLA-2525	178.6g	

運用實例 / Application example



EOAT型材夾具 ≡

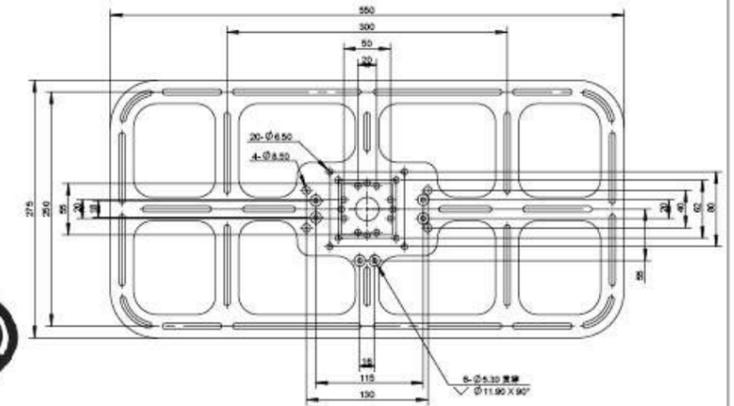
• PLA

PLA-5025

- 可匹配快換盤:
自動快換OX-XBI OX-LBDI
OX-LBI OC-SBI OQC-021B



尺寸(mm) Dimensions (mm)



型號 Model	重量 Weight	單價(元) Price(yuan)
PLA-5025	450g	

運用實例 / Application example

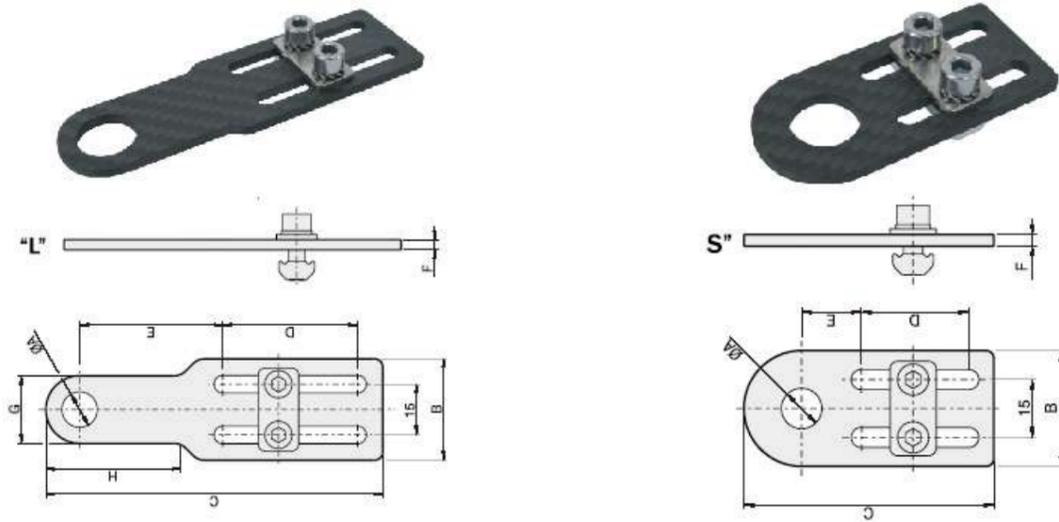


≡ EOAT型材夾具

EOAT型材夾具 ≡

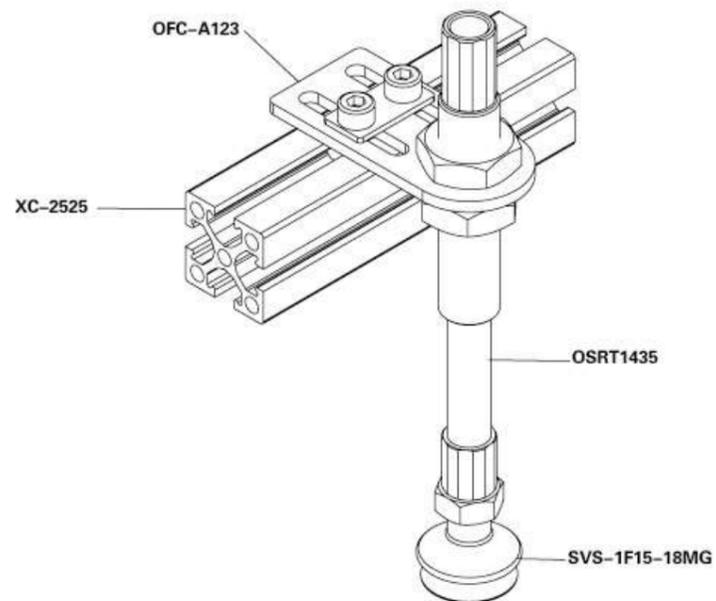
●OFC

固定支架 Mounting bracket



型號 Model	類型 Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	重量 Weight	單價(元) Price(yuan)
OFC-A116	L	Φ10.5	30	100	40	42.5	3	20	38	15g	
OFC-A118	L	Φ14.5	30	100	40	42.5	3	24	38	15g	
OFC-A120	L	Φ20.5	30	100	40	42.5	3	30	-	15g	
OFC-A121	S	Φ10.5	30	85	28	15.5	3	-	-	9.6g	
OFC-A123	S	Φ14.5	30	65	28	15.5	3	-	-	9.6g	
OFC-A125	S	Φ20.5	30	65	28	15.5	5	35	-	9.6g	

運用實例 / Application example

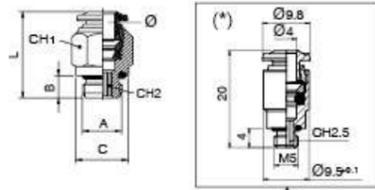


NOTES

≡ 接頭系列

● AP系列氣接頭 AP Series gas connector

直螺紋接頭 (平行) Straight male adaptor (parallel)



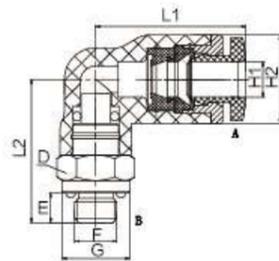
技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	Φ	A	B	C	L	CH1	CH2	n°	m	單價(元) Price(yuan)
AP.5002000N01	(*)	(*)	(*)	(*)	(*)	(*)	(*)	10	45	
AP.5002000N02	4	1/8	6	13	20	10	3	10	70	
AP.5002000N22	4	1/4	8	16	19.5	16	3	10	160	
AP.5002000N20	6	M5	4	10	24.5	13	2	10	110	
AP.5002000N03	6	1/8	6	13	23.5	13	4	10	125	
AP.5002000N04	6	1/4	8	16	23.5	13	4	10	170	
AP.5002000N05	8	1/8	6	13	25	14	5	10	130	
AP.5002000N06	8	1/4	8	16	23	14	6	10	130	

PL



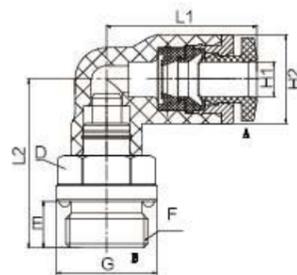
技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	D	E	F	G	H1	H2	H3	單價(元) Price(yuan)
PL4	17.9	17	S8	3.5	M5x0.8	Φ8.0	Φ4.2	Φ10.5		
PL6	20.05	17	S8	3.5	M5x0.8	Φ8.0	Φ6.2	Φ12.5		

GPL-G01



技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

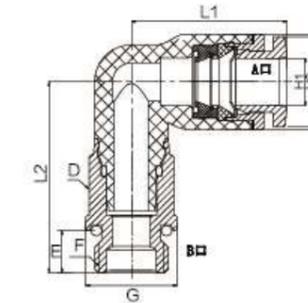
T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	D	E	F	G	H1	H2	H3	單價(元) Price(yuan)
GPL4-G01	17.9	20	S10	5.5	G1/8-25	Φ12	Φ4.2	Φ9.8	Φ10.5	

≡ 接頭系列

● AP系列氣接頭 AP Series gas connector

GPL-G01



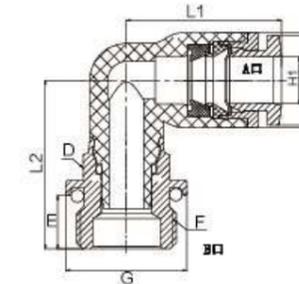
技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	D	E	F	G	H1	H2	H3	單價(元) Price(yuan)
GPL6-G01	20.45	25	S10	5.5	G1/8-25	Φ12	Φ6.2	Φ11.8	Φ12.5	
GPL8-G01	23.3	25.5	S12	5.5	G1/8-25	Φ12	Φ8.2	Φ14	Φ14	

GPL-G02



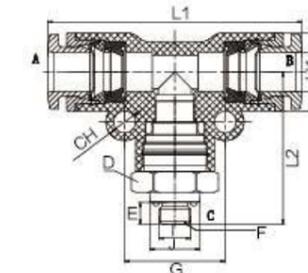
技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	D	E	F	G	H1	H2	H3	單價(元) Price(yuan)
GPL6-G02	20.45	22.2	S10	7	G1/4-19	Φ16	Φ6.2	Φ11.8	Φ12.5	
GPL8-G02	23.3	24.2	S12	7	G1/4-19	Φ16	Φ8.2	Φ14	Φ14	

PB-M5



技术特点
Technical characteristics

T = -20° ÷ +80° C
P = -0.99 ÷ +15bar

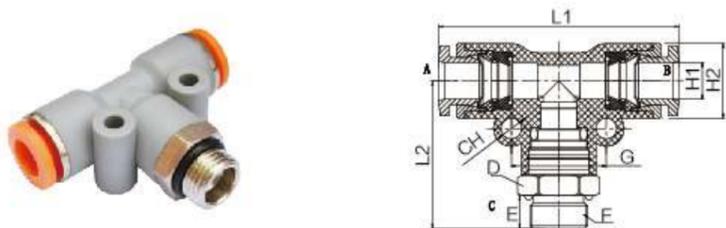
T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	CH	D	E	F	G	H1	H2	I	J	單價(元) Price(yuan)
PB4-M5	35.8	21.7	Φ3.2	S10	3.5	M5X0.8	14	Φ4.2	Φ10.5	Φ8	Φ14	
PB6-M5	40.5	24.3	Φ3.2	S12	3.5	M5X0.8	16	Φ6.2	Φ12.5	Φ8	Φ16	

≡ 接頭系列

● AP系列氣接頭 AP Series gas connector

PB-G01



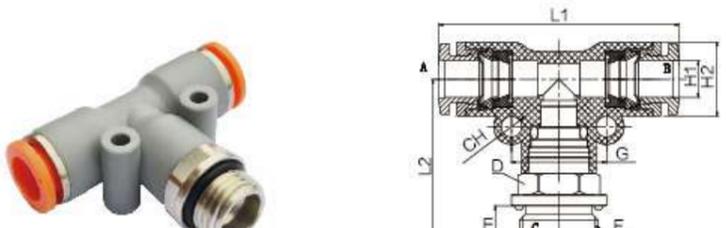
技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	CH	D	E	F	G	H1	H2	單價(元) Price(yuan)
PB6-G01	40.5	24.8	Φ3.2	S12	5.5	G1/8-28	16	Φ6.2	Φ12.5	
PB8-G01	47	29	Φ3.3	S14	5.5	G1/8-28	18	Φ8.2	Φ14	

PB-G02



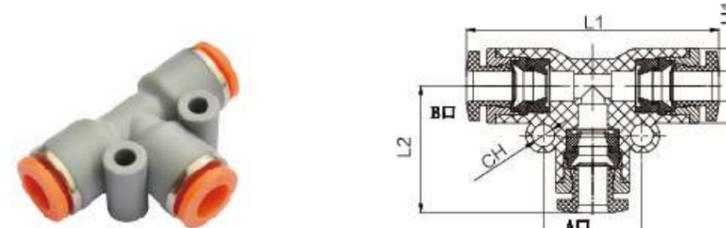
技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	CH	D	E	F	G	H1	H2	單價(元) Price(yuan)
PB6-G02	40.5	28	Φ3.2	S12	7	G1/4-19	16	Φ6.2	Φ12.5	
PB8-G02	47	31	Φ3.3	S14	7	G1/4-19	18	Φ8.2	Φ14	

PE



技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

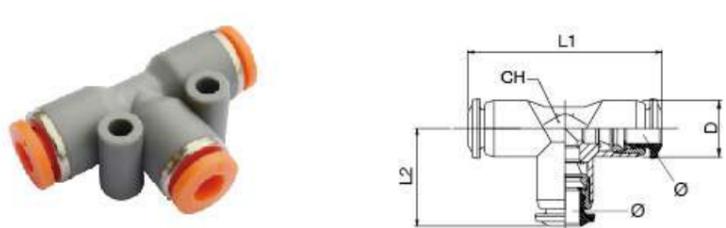
T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	L1	L2	CH	G	H1	H2	單價(元) Price(yuan)
PE4	35.8	17.9	Φ3.2	14	Φ4.2	Φ14	
PE6	40.5	20.2	Φ3.2	16	Φ6.2	Φ16	
PE8	47	23.5	Φ3.3	18	Φ8.2	Φ18	

≡ 接頭系列

● AP系列氣接頭 AP Series gas connector

T字管接頭 T connector



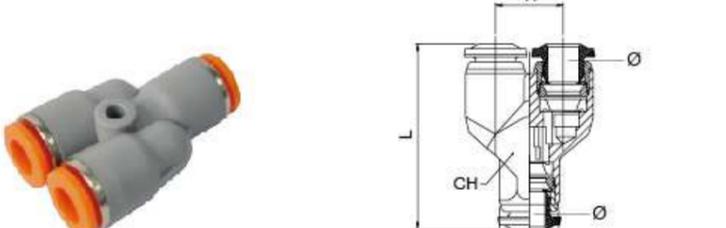
技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	Φ	L1	L2	CH	D	n°	m	單價(元) Price(yuan)
AP.5523000002	4	33	16.5	9	10	10	55	
AP.5523000004	6	41	20.5	11	12	10	80	
AP.5523000005	8	44	22	13	14	10	105	

Y型管接頭 Y connector



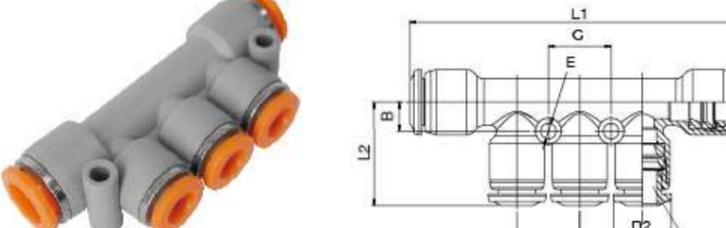
技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	Φ	A	L	CH	D	n°	m	單價(元) Price(yuan)
AP.5531000002	4	11	31.5	10	10	10	55	
AP.5531000004	6	13.5	37	12	12	10	55	
AP.5531000005	8	15.5	40	14	14	10	65	

簡化的分流管 Reduction manifold



技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

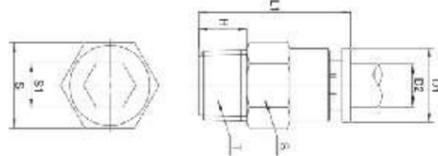
T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號 Model	Φ1-Φ2	A	B	L1	L2	C	D1	D2	E	n°	m	單價(元) Price(yuan)
AP.5535000002	6-4	13.5	6	74	21.8	13.5	14	12	3.3	10	170	
AP.5535000004	8-4	13.5	6	73	21.8	13.5	14	12	3.3	10	160	
AP.5535000005	8-6	13.5	6	73	22.3	13.5	14	12.5	3.3	10	160	

≡ 接頭系列

● AP系列氣接頭 AP Series gas connector

直通外螺紋接頭 Metal male straight



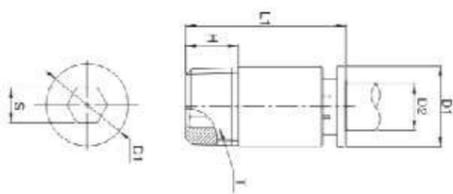
技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號Model	D2氣管Tube	L1	S1	H	S	T	D1	單價(元) Price(yuan)
TKC-PC4-M5	Φ4	19	2	3.6	8	M5	Φ8	
TKC-PC6-M5	Φ6	25	2	4	12	M5	Φ12	
TKC-PC6-01	Φ6	24	5	7	12	R1/8	Φ12	
TKC-PC8-01	Φ8	27.5	5	7	14	R1/8	Φ14	
TKC-PC8-02	Φ8	27.5	6	9	14	R1/4	Φ14	
TKC-PC10-01	Φ10	29.5	5	7	17	R1/8	Φ16	
TKC-PC10-02	Φ10	29	6	9	17	R1/4	Φ16	
TKC-PC10-03	Φ10	24	8	9.5	17	R3/8	Φ16	
TKC-PC12-02	Φ12	32	6	9	19	R1/4	Φ18	
TKC-PC12-03	Φ12	30	10	9.5	19	R3/8	Φ18	
TKC-PC12-04	Φ12	23	10	11	21	R1/2	Φ18	

圓柱內六角接頭 Metal round male straight



技术特点
Technical characteristics

T= -20° ÷ +80° C
P= -0.99 ÷ +15bar

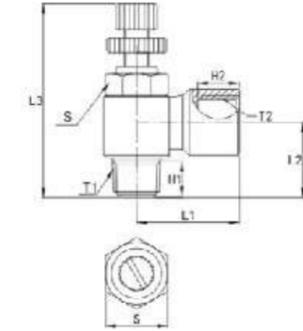
T [操作溫度範圍 - Operating temperature range]
P [操作壓力範圍 - Operating pressure range]

型號Model	D2氣管Tube	L1	L2	H	S	T	單價(元) Price(yuan)
TKC-POC4-M5	Φ4	19	3.6	2	M5	Φ8	
TKC-POC6-M5	Φ6	25	3.6	2	M5	Φ12	
TKC-POC6-01	Φ6	24	7	5	R1/8	Φ12	
TKC-POC8-01	Φ8	27.5	7	5	R1/8	Φ14	
TKC-POC8-02	Φ8	26.5	9	6	R1/4	Φ14	

≡ 接頭系列

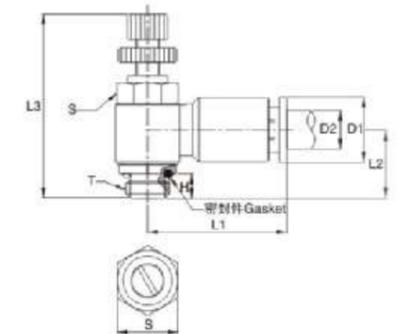
● AP系列氣接頭 AP Series gas connector

內螺紋調速閥 Female speed controller



型號Model	T2螺紋Tread	L1	L2	L3	H1	H2	S	T1	單價(元) Price(yuan)
TKC-SLF M5-M5	M5	12	10	35.5	3.6	5	8	M5	
TKC-SLF 1/8-01	G1/8	20	15	37.5	7	8	12	R1/8	
TKC-SLF 1/8-02	G1/8	25	19	43	9	8	15	R1/4	
TKC-SLF 1/4-01	G1/4	25	19	37.5	7	9.5	12	R1/8	
TKC-SLF 1/4-02	G1/4	25	19	43	9	9.5	15	R1/4	
TKC-SLF 1/4-03	G1/4	26	20	57	9.5	10.5	19	R3/8	

單向節流閥 Brass elbow speed controller

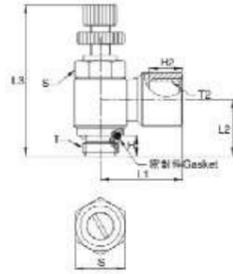


型號Model	D2氣管Tube	L3	L1	L2	H	T	S	D1	單價(元) Price(yuan)
TKC-SL6-01G	e6	35.5	23	15	5	G1/8	14	e12	
TKC-SL6-02G	e6	41	24	18	7.0	G1/4	16	e12	
TKC-SL6-03G	e6	54	26	20	7.5	G3/8	21	e12	
TKC-SL6-04G	e6	57	28	22.5	9	G1/2	24	e12	
TKC-SL8-01G	e8	35.5	24.5	15	5	G1/8	14	e14	
TKC-SL8-02G	e8	41	25.5	18	7.0	G1/2	16	e14	
TKC-SL8-03G	e8	54	27.5	20	7.5	G3/8	21	e14	
TKC-SL8-04G	e8	57	30	22.5	9	G1/2	24	e14	
TKC-SL10-01G	e10	35.5	26.5	16	5	G1/8	14	e16	
TKC-SL10-02G	e10	41	27.5	19	7.0	G1/4	16	e16	
TKC-SL10-03G	e10	54	29.5	20	7.5	G3/8	21	e16	
TKC-SL10-04G	e10	57	29.5	22.5	9	G1/2	24	e16	

≡ 接頭系列

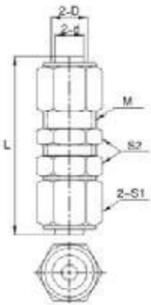
● AP系列气接头 AP Series gas connector

内螺紋調速閥 Female speed controller



型號 Model	L1	L2	L3	H	T	T2	S	H2	單價(元) Price(yuan)
TCK-SLF M5-M5	12	10	30.5	3.6	M5	M5	8	5	
TCK-SLF 1/8-01G	20	15	35.5	7	G1/8	G1/8	14	8	
TCK-SLF 1/8-02G	25	19	41	9	G1/4	G1/8	16	8	
TCK-SLF 1/4-01G	25	19	35.5	7	G1/8	G1/4	16	9.5	
TCK-SLF 1/4-02G	25	19	41	9	G1/4	G1/4	16	9.5	
TCK-SLF 1/4-03G	26	20	54	9.5	G3/8	G1/4	19	9.5	

直通穿板接頭 Bulkhead Push on straight



型號 Model	氣管 Tube	L	S1	S	D x d(e)	M	單價(元) Price(yuan)
TKN-PM6	ø6	36	10	12	6 x ø4	8	
TKN-PM8	ø8	43	14	14	8 x ø5	11	
TKN-PM10	ø10	45	15	17	10 x ø6.5	13	

直通微型快掣 Mini push on connector

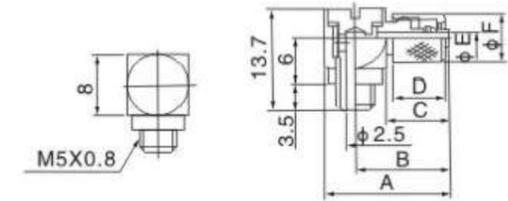


型號 Model	A	B	C	D	E	H	單價(元) Price(yuan)
TKN-PC4-M5-C	15.5	8.5	7	1.8	6.5	7	
TKN-PC6-M5-C	16.5	9.5	8	2.5	8.5	8	
TKN-PC4-01-C	19.5	8.5	7	1.8	6.7	10	
TKN-PC6-01-C	20.5	9.5	8	3	8.5	10	

≡ 接頭系列

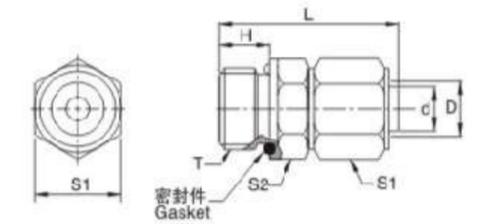
● AP系列气接头 AP Series gas connector

彎頭微型快掣 Elbow Mini push on connector



型號 Model	A	B	C	D	E	H	單價(元) Price(yuan)
TKN-PL4-M5-C	16.5	12.5	8.5	7	1.8	6.5	
TKN-PL6-M5-C	17.5	13.5	9.5	8	2.5	8.5	

直通外螺紋接頭 Push on male straight

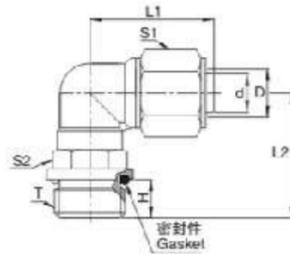


型號 Model	氣管 Tube	L	H	T	S1	S2	D x d	單價(元) Price(yuan)
TKN-PC6-01G	ø6	20	5	G1/8	10	12	6 x 4	
TKN-PC6-02G	ø6	22	7	G1/4	10	16	6 x 4	
TKN-PC6-03G	ø6	20.5	7.5	G3/8	10	19	6 x 4	
TKN-PC6-04G	ø6	26	9	G1/2	10	24	6 x 4	
TKN-PC8-01G	ø8	24.5	5	G1/8	13	12	8 x 5	
TKN-PC8-02G	ø8	26.5	7	G1/4	13	16	8 x 5	
TKN-PC8-03G	ø8	27	7.5	G3/8	13	19	8 x 5	
TKN-PC8-04G	ø8	28	9	G1/2	13	24	8 x 5	
TKN-PC10-01G	ø10	25	5	G1/8	15	12	10 x 6.5	
TKN-PC10-02G	ø10	27	7	G1/4	15	16	10 x 6.5	
TKN-PC10-03G	ø10	27.5	7.5	G3/8	15	19	10 x 6.5	
TKN-PC10-04G	ø10	29	9	G1/2	15	24	10 x 6.5	

≡ 接頭系列

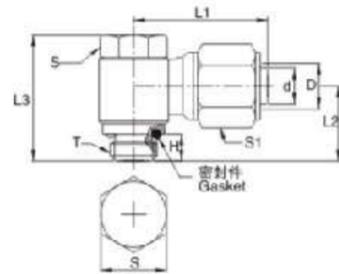
● AP系列气接头 AP Series gas connector

直角外螺紋接頭 Push on male elbow



型號Model	气管Tube	L1	L2	H	T	S1	S2	D x d	單價(元) Price(yuan)
TKN-PL6-01G	ø6	19	18.5	5	G1/8	10	12	6 x 4	
TKN-PL6-02G	ø6	19	20.5	7	G1/4	10	16	6 x 4	
TKN-PL6-03G	ø6	19	21	7.5	G3/8	10	19	6 x 4	
TKN-PL6-04G	ø6	19	23	9	G1/2	10	24	6 x 4	
TKN-PL8-01G	ø8	23	19	5	G1/8	13	12	8 x 5	
TKN-PL8-02G	ø8	23	21	7	G1/4	13	16	8 x 5	
TKN-PL8-03G	ø8	23	21.5	7.5	G3/8	13	19	8 x 5	
TKN-PL8-04G	ø8	23	23.5	9	G1/2	13	24	8 x 5	
TKN-PL10-01G	ø10	25	23	5	G1/8	15	12	10 x 6.5	
TKN-PL10-02G	ø10	25	25	7	G1/4	15	16	10 x 6.5	
TKN-PL10-03G	ø10	25	25.5	7.5	G3/8	15	19	10 x 6.5	
TKN-PL10-04G	ø10	25	27.5	9	G1/2	15	24	10 x 6.5	

直角鉸接式接頭 Push on universal elbow

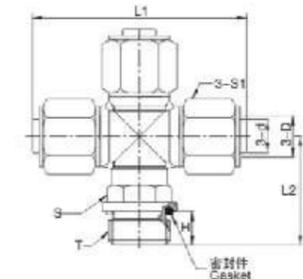


型號Model	气管Tube	L1	L2	L3	H	T	S1	D x d	單價(元) Price(yuan)
TKN-PH6-01G	ø6	22.5	15	24.5	5	G1/8	10	6 x 4	
TKN-PH6-02G	ø6	23.5	18	27	7	G1/4	10	6 x 4	
TKN-PH6-03G	ø6	25.5	20	32	7.5	G3/8	10	6 x 4	
TKN-PH6-04G	ø6	27.5	22.5	35	9	G1/2	10	6 x 4	
TKN-PH8-01G	ø8	26.6	15	24.5	5	G1/8	13	8 x 5	
TKN-PH8-02G	ø8	27.6	18	27	7	G1/4	13	8 x 5	
TKN-PH8-03G	ø8	29.6	20	32	7.5	G3/8	13	8 x 5	
TKN-PH8-04G	ø8	31.6	22.5	35	9	G1/2	13	8 x 5	
TKN-PH10-01G	ø10	27	15	24.5	5	G1/8	15	10 x 6.5	
TKN-PH10-02G	ø10	28	18	27	7	G1/4	15	10 x 6.5	
TKN-PH10-03G	ø10	30	20	32	7.5	G3/8	15	10 x 6.5	
TKN-PH10-04G	ø10	32	22.5	35	9	G1/2	15	10 x 6.5	

≡ 接頭系列

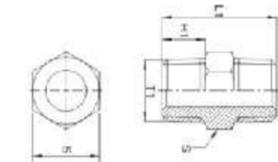
● AP系列气接头 AP Series gas connector

四通中部螺紋接頭 Push on branch Cross



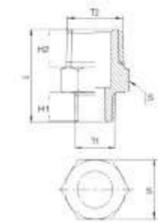
型號Model	气管Tube	L1	L2	L3	H	T	S1	D x d	單價(元) Price(yuan)
TKN-PZR6-01G	ø6	38	18.5	5	G1/8	10	12	6 x 4	
TKN-PZR6-02G	ø6	39	20.5	7	G1/4	10	16	6 x 4	
TKN-PZR6-03G	ø6	40	21	7.5	G3/8	10	19	6 x 4	
TKN-PZR6-04G	ø6	41	23	9	G1/2	10	24	6 x 4	
TKN-PZR8-01G	ø8	46	19	5	G1/8	13	12	8 x 5	
TKN-PZR8-02G	ø8	46	21	7	G1/4	13	16	8 x 5	
TKN-PZR8-03G	ø8	46	21.5	7.5	G3/8	13	19	8 x 5	
TKN-PZR8-04G	ø8	46	23.5	9	G1/2	13	24	8 x 5	
TKN-PZR10-01G	ø10	50	23	5	G1/8	15	12	10 x 6.5	
TKN-PZR10-02G	ø10	50	25	7	G1/4	15	16	10 x 6.5	
TKN-PZR10-03G	ø10	50	25.5	7.5	G3/8	15	19	10 x 6.5	
TKN-PZR10-04G	ø10	50	27.5	9	G1/2	15	24	10 x 6.5	

直通外螺紋 Nipple



型號Model	L1	H1	T1	S	單價(元) Price(yuan)
TTY-YLM5	15	3.6	M5	8	
TTY-YLR1/8	21	8	R1/8	10	
TTY-YLR1/4	25	10	R1/4	14	
TTY-YLR3/8	27	11	R3/8	17	

直通外牙變徑 Male adapter

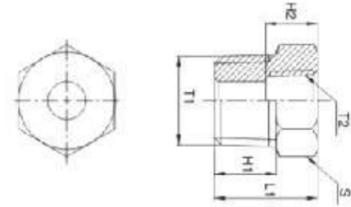


型號Model	L1	H1	H2	T1	T2	S	單價(元) Price(yuan)
TTY-1/8-1/4	23	8	10	R1/8	R1/4	14	
TTY-1/8-3/8	24	8	11	R1/8	R3/8	17	
TTY-1/4-3/8	26	10	11	R1/4	R3/8	17	

≡ 接頭系列

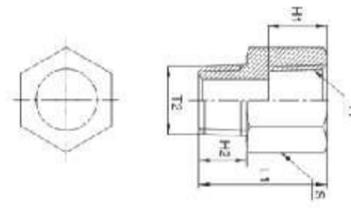
● AP系列气接头 AP Series gas connector

直通内外牙 Bushing



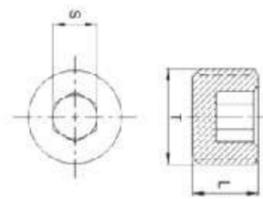
型號Model	L1	H1	T1	T2	S	單價(元) Price(yuan)
TTY-YJ01-M5	11	7	R1/8	M5	12	
TTY-YJ02-01	14	9	R1/4	G1/8	14	
TTY-YJ03-01	15	9.5	R3/8	G1/4	17	
TTY-YJ03-02	15	9.5	R3/8	G1/4	17	

直通内外螺紋 Male female adapter



型號Model	L1	H1	H2	T1	T2	S	單價(元) Price(yuan)
TTY-YBM5-M5	12	5	5	M5	M5	8	
TTY-YB01-01	20	10	7	G1/8	R1/8	12	
TTY-YB02-02	23	11	9	G1/4	R1/4	17	
TTY-YB03-03	25	12	10	G3/8	R3/8	19	

内六角堵頭 Inner hexgon plug

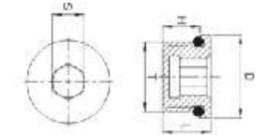


型號Model	L	T	S	單價(元) Price(yuan)
TTY-DT01	7	R1/8	5	
TTY-DT02	9	R1/4	6	
TTY-DT03	11	R3/8	8	

≡ 接頭系列

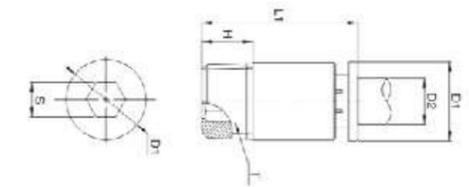
● AP系列气接头 AP Series gas connector

内六角堵頭 Inner hexgon plug



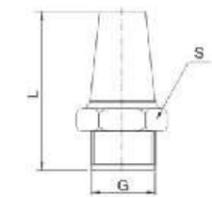
型號Model	L	H	T	D	S	單價(元) Price(yuan)
TTY-GDTM5	5.1	3.6	M5	Φ7.8	2	
TTY-GDT01G	7	5	G1/8	Φ12	4	
TTY-GDT02G	9	7	G1/4	Φ15.6	6	
TTY-GDT03G	9.8	7.5	G3/8	Φ19	10	

圆柱内六角接頭 Metal round male straight



型號Model	气管Tube	A	a	B	b	C	D	e	H	12	單價(元) Price(yuan)
BKC-POC6-G01	Φ6	12	6	12	10	6	G1/8	2	30.5	15	
BKC-POC6-G02	Φ6	12	6	12	10	8	G1/4	2	31	14.5	
BKC-POC8-G01	Φ8	14	8	14	12	6	G1/8	2	30.5	15.5	
BKC-POC8-G02	Φ8	14	8	14	12	8	G1/4	2	33	16	
BKC-POC8-G03	Φ8	14	8	14	12	6	G3/8	2	34	15.5	
BKC-POC10-G02	Φ10	16	10	17	15	8	G1/4	2	35	16	
BKC-POC10-G03	Φ10	16	10	17	15	6	G3/8	2	35	15.5	
BKC-POC12-G02	Φ12	18	12	19	17	7	G1/4	2	35.5	16	
BKC-POC12-G03	Φ12	18	12	19	17	6	G3/8	2	36	15	

B型消聲器 B type series muffler

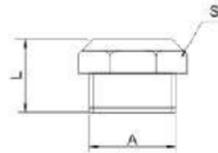


型號Model	L	S	單價(元) Price(yuan)
TTY-B M5	19	8	
TTY-B 1/8	23.5	12	
TTY-B 1/4	27	15	
TTY-B 3/8	34.5	18	

≡ 接頭系列

● AP系列气接头 AP Series gas connector

V-B型消聲器 V-B Type series muffler



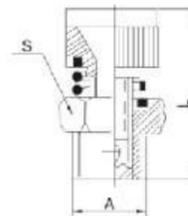
型號 Model	L	S	單價(元) Price(yuan)
TTY-V M5	7.5	8	
TTY-V 1/8	12	12	
TTY-V 1/4	13	15	
TTY-V 3/8	14.7	18	

調速消聲器SD型 SD type of timing muffler



型號 Model	L	S	單價(元) Price(yuan)
TTY-SD 1/8	25	12	
TTY-SD 1/4	30	14	
TTY-SD 3/8	33	17	

消聲排氣節流閥B型 B type exhaust muffler throttle valve



型號 Model	L	S	單價(元) Price(yuan)
TTY-AG 1/8	33	12	
TTY-AG 1/4	35	14	
TTY-AG 3/8	43	17	

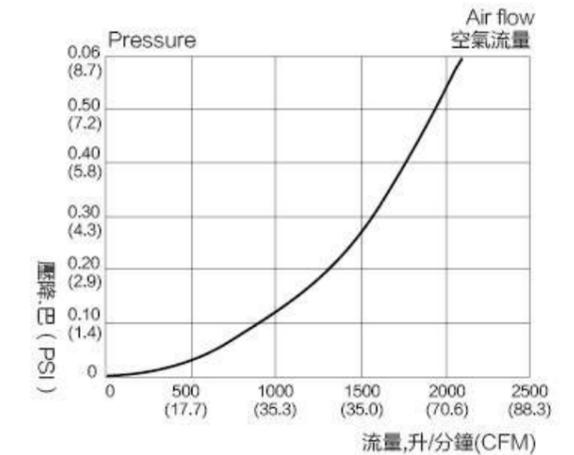
≡ 接頭系列

● 工业级快接 Industrial fast connect



超高流量 Ultra high flow
 低連接力 Low connection force
 單手操作 One-handed operation
 扞拔二十萬次 Pull and plug within 200,000 times tested

技術資料 Technical Information
 有效通徑 Effective path.....7.5mm
 流量 Flow rate.....1980L/min
 最大工作壓力 Maximum working pressure.....20kgf/cm²
 最小爆破壓力 Minimum burst pressure.....60kgf/cm²
 使用溫度範圍 Operating temperature range.....30℃- +80℃
 母頭本體材料 Female body material.....1144軸承鋼
 公頭本體材料 Male body material.....1144軸承鋼
 密封材料 Sealing material.....NBR
 適用介質 Applicable medium.....空氣



母接頭 Female body	產品編號 Product number	連接 connection	單價(元) Price(yuan)	公接頭 Male body	產品編號 Product number	連接 connection	單價(元) Price(yuan)
外螺紋接頭 out teeth	OM20	R1/4		外螺紋接頭 out teeth	TM20	R1/4	
	OM30	R3/8			TM30	R3/8	
	OM40	R1/2			TM40	R1/2	
內螺紋接頭 inner teeth	OF20	R1/4		內螺紋接頭 inner teeth	TF20	R1/4	
	OF30	R3/8			TF30	R3/8	
	OF40	R1/2			TF40	R1/2	
軟管接頭 Hose connector	OH20	5/16		軟管接頭 Hose connector	TH20	5/16	
	OH30	3/8			TH30	3/8	
	OH40	1/2			TH40	1/2	
	OP20	5*8			螺塞式接頭 Hose tie connector	TP20	5*8
OP30	6.5*10		TP30	6.5*10			
OP40	8*12		TP40	8*12			
OP60	10*14		TP60	10*14			
	OP80	12*16		TP80	12*16		

≡ 接頭系列

接頭系列 ≡

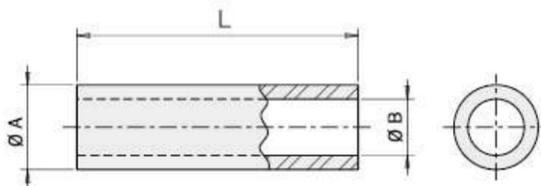
● 软管 Hoses



软管
 聚氨酯软管可通過快速接頭輸送壓縮空氣。

Hoses
 Polyurethane hose for compressed air suitable for use with push-in fittings.

技術規格
 Technical characteristics
 T= -40° ÷ +60° C
 P= -0.99 ÷ +10bar



A [外徑 - Outer diameter]
 B [內徑 - Inner diameter]
 R [最小彎曲半徑 - Minimum bending radius]
 L [長度 - Length]
 Lm [線重 - Linear mass]
 P [操作壓力範圍 - Operating pressure range]
 T [操作溫度範圍 - Operating temperature range]

型號 Model	气管 Tube	ØA [mm]	ØB [mm]	R [mm]	L [mm]	Lm [g/m]	單價 (元) Price (Yuan)
OPTO4X2.5B	黑色 / Black	4	2.5	20	25	9.49	
OPTO4X2.5BL	藍色 / Blue	4	2.5	20	25	9.49	
OPTO4X2.5GR	綠色 / Green	4	2.5	20	25	9.49	
OPTO4X2.5OR	橙色 / Orange	4	2.5	20	25	9.49	
OPTO4X2.5SI	銀色 / Silver	4	2.5	20	25	9.49	
OPTO4X2.5YE	黃色 / Yellow	4	2.5	20	25	9.49	
OPTO6X4B	黑色 / Black	6	4	30	25	19.47	
OPTO6X4BL	藍色 / Blue	6	4	30	25	19.47	
OPTO6X4GR	綠色 / Green	6	4	30	25	19.47	
OPTO6X4OR	橙色 / Orange	6	4	30	25	19.47	
OPTO6X4SI	銀色 / Silver	6	4	30	25	19.47	
OPTO6X4YE	黃色 / Yellow	6	4	30	25	19.47	
OPTO8X6B	黑色 / Black	8	6	40	25	30	
OPTO8X6BL	藍色 / Blue	8	6	40	25	30	
OPTO8X6SI	銀色 / Silver	8	6	40	25	30	
OPTO8X6YE	黃色 / Yellow	8	6	40	25	30	

NOTES

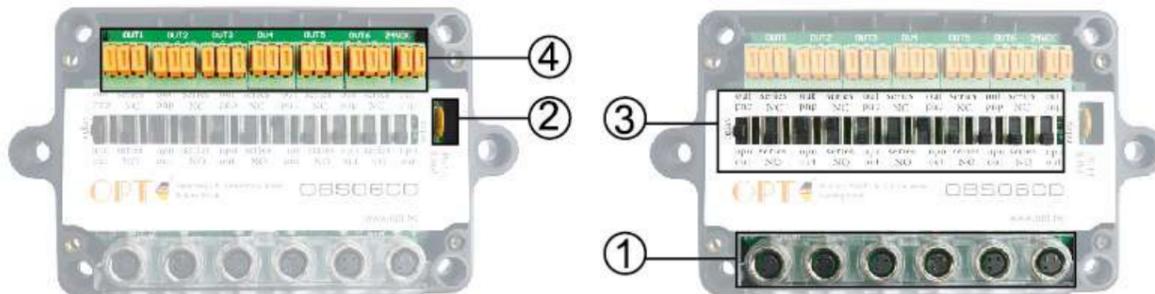
傳感器盒

傳感器盒

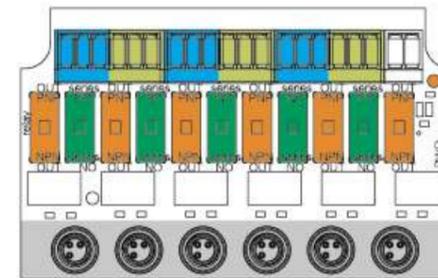
●帶接頭的終端盒子 Terminal box with direct connection

- 位于末端治具用于連接傳感器;
- 可接不同的傳感谷, 觸任式, 感式, 光電式, 電容式, 超聲波等;
- 可連接M8x1連接器; ①
- 透明的PA主體增加輸入綫的可視性;
- 紅色顯示燈和保險絲可起到短路保護的作用; ②
- 通過滑動開關選擇PNP/NPN/繼電器輸出; ③
- 終端輸出方便, 無需工具; ④
- 信號從PNP/NPN/2綫物人轉化成PNP/NPN/電器輸出;
- 單個或者系列輸出可設定為常規開啓或者常規關;
- 型材的設計使其完美融入治具結構;
- 輕重量也降低結構的重量;
- OPT型材的緊固的組件已包含在內;
- 帶OPT標志的設置簡單的系統;
- 螺絲帽的O型圈;
- 包含機器人輸出綫;
- 可選的M8綫連接器。

- Located at the end fixture for connecting the sensor;
- Can be connected to different sensing valleys, touch-type, inductive, photoelectric, capacitive, ultrasonic, etc.;
- Can be connected to M8x1 connector; ①
- Transparent PA body increases the visibility of the input line;
- Red indicator light and fuse can protect against short circuit; ②
- Select PNP/NPN/relay output via slide switch; ③
- Terminal output is convenient, no tools required; ④
- The signal is converted from PNP/NPN/2 line object to PNP/NPN/electrical output;
- Single or series output can be set to regular on or normal off;
- The profile is designed to fit perfectly into the fixture structure;
- Light weight also reduces the weight of the structure;
- Fastened components for OPT profiles are included;
- A simple system with an OPT logo;
- O-ring of the screw cap;
- Contains a robot output line;
- Optional M8 wire connector.



●帶接頭的終端盒子 Terminal box with direct connection

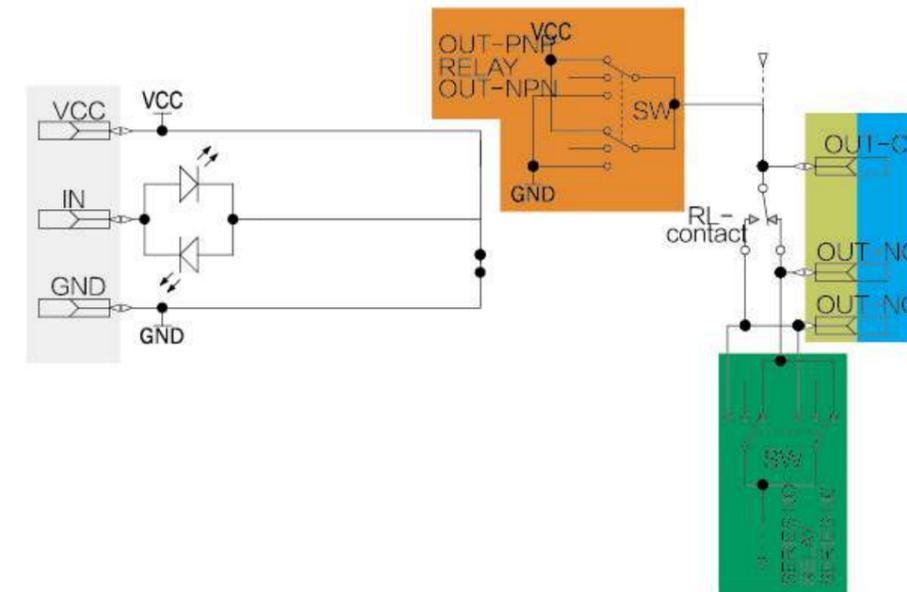


電路布局
Layout circuit

帶接頭的終端盒子 Terminal box with direct connection

功能 Functioning

- 電路板上的(灰色區域)為輸入電纜。自動識別傳感器開關(NPN、PNP或二綫磁性開關)類型。利用“跳綫”通過中繼電路選擇輸出信號類型(PNP、NPN、中繼器)(綠色區域)從而避免了壓降,然後利用“跳綫”來定義是否轉換為NO/NC系列或并綫輸入輸出(橙色區域)。當完成選擇後,輸出信號(藍/黃色區域)連接電纜。
- 電源供應:24 V dc (± 10%)
- 輸入:最多6個PNP, NPN或幹接觸(NO或NC)(灰色區域)可通過跳綫選擇。輸出:1到6個PNP, NPN或幹接觸(NO)輸出(黃色區域)可通過跳綫選擇(紅色區域)。
- After the inputs have been cabled (Grey Area) as shown on the circuit board you Automatic identification of sensor switch (NPN, PNP or 2-wire magnetic switch) types. Then use "Jumper" to define if you want to convert the input signals in NO/NC series or parallel outputs (Blue area). Use "Jumper" also to select the Output signal (PNP; NPN; relay) (Red Area) through a relay circuit so as to avoid the voltage drop. When the selection is completed, the Outputs (Yellow Area) are to be cabled.
- Power supply: 24 V dc (± 10%)
- Inputs: Maximum 6 PNP, NPN or dry contact (NO or NC) (GREY AREA)sensors switched by jumpers (BROWN AREA).
- Outputs:1 up to 6 PNP, NPN or dry contact (NO) outputs (YELLOW AREA) switched by jumpers (RED AREA).



傳感器盒

帶接頭的終端盒子 Terminal box with direct connection

電源供應
Power supply
24 V dc (±10%)

輸入
Inputs
2 PNP INPUTS (IN3/IN6)
2 NPN INPUTS (IN1/IN4)
2 DRY CONTACT (IN2/IN5)

輸出
Outputs
2 PNP OUTPUT SERIES (OUT3) (OUT6)

PLC

OUT3

PNP NO signal output for all pneumatic devices "open" by IN1, IN2, IN3, series

OUT6

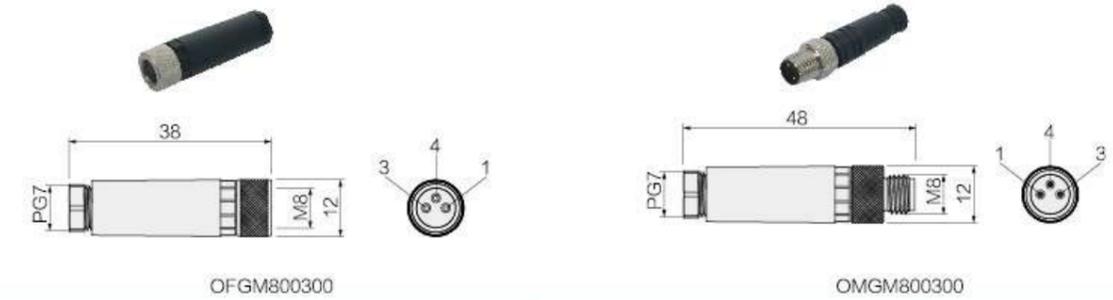
PNP NO signal output for all pneumatic devices "open" by IN4, IN5, IN6 series

傳感器盒

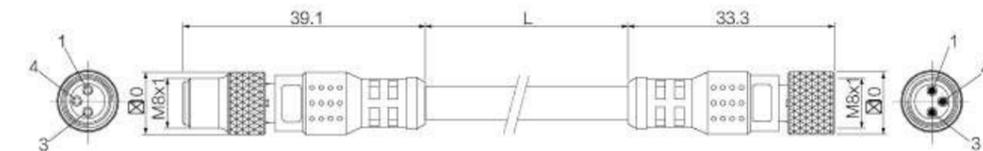
M8線連接器 M8 wire connector

可選的公的M8線連接器 Optional M8 male wiring connectors

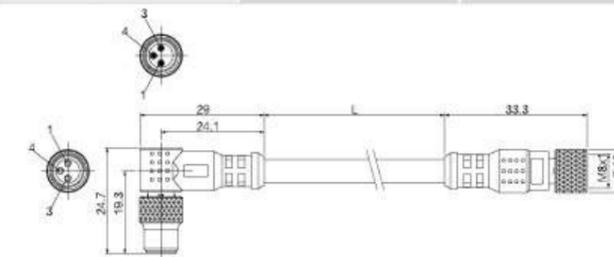
在有電纜的傳感器輸出的情況下，電纜的長度可剪切，M8線連接器可用螺絲固定。
In case of sensors with cable output, the cable can be cut to size and a M8 male wiring connector can be fitted with screw terminals.



型號 Model	類型 Type	重量 Weight	單價(元) Price(yuan)
OFGM800300	M8 3極0° 母接頭 M8 3-pole 0° female	11g	
OMGM800300	M8 3極0° 公接頭 M8 3-pole 0° male	11g	



型號 Model	類型 Type	電纜 Cable	重量 Weight	單價(元) Price(yuan)
OMGM800310OFGM8003	M8 3極0° 公接頭- M8 3極0° 母接頭 M8 3-pole 0° male - M8 3-pole 0° female	L= 1m	37g	
OMGM800320OFGM8003		L= 2m	64g	



型號 Model	類型 Type	電纜 Cable	重量 Weight	單價(元) Price(yuan)
OMGM890310OFGM8003	M8 3極90° 公接頭- M8 3極0° 母接頭 M8 3-pole 90° male - M8 3-pole 0° female	L= 1m	38g	
OMGM890320OFGM8003		L= 2m	65g	

≡ 傳感器盒

傳感器盒 ≡

● 微處理器傳感器盒 Microprocessor sensor box

● 微處理器傳感器盒 Microprocessor sensor box

OBS08FDT

微處理器傳感器盒
Microprocessor sensor box

功能 Functioning

- 當自動設置按鈕按下後，微處理器會記住輸入的狀態(灰色區域)而後每當輸入生產重新配置時輸出(黃色區域)都會被激活。
- 電源供應:24 V dc (± 10%)
- 輸入:最多8個 PNP, NPN或幹接觸 (NO或 NC)帶跳線傳感器開關。
- 輸出:1個 PNP, NPN或幹接觸 (NO或 NC) (黃色區域)輸出。

When the autaset button is pressed, the microprocessor memorizes the status of the inputs (GREY AREA). Afterwards the output (YELLOW AREA) will be activated every time the same input configuration happens again.

Power supply:24 V dc (± 10%)

Inputs:Maximum 8 PNP, NPN or dry contact (NO or NC) sensors switched by jumpers (BROWN AREA).

Outputs:1 PNP, NPN or dry contact (NO or NC) (YELLOW AREA) output.

電源供應
Power supply
24 V dc (± 10%)

輸出
Outputs
1 PNP OUTPUT
1 NPN OUTPUT
1 DRY CONTACT NC OUTPUT
1 DRY CONTACT NO OUTPUT

輸入
Inputs
2 NPN INPUTS (IN1/IN2)
4 PNP INPUTS (IN3/IN4/IN5/IN6)
2 DRY CONTACT (IN7/IN8)

電路布局
Layout circuit

Box N2 - Slave

Box N1 - Master

OBS16FDT

微處理器與邏輯設置傳感器盒
Microprocessor and logic setting sensor box

功能
可任意設置16路輸入信號與4路輸出信號，對應的邏輯關係可通過設置方式任意設置，如：IN1、IN3、IN4、IN5對應OUT1，IN3、IN4、IN7、IN9對應OUT2等等。

Functioning
16 input signals and 4 output signals can be arbitrarily set, and the corresponding logical relationship can be set arbitrarily by setting mode, such as: IN1, IN3, IN4, IN5 correspond to OUT1, IN3, IN4, IN7, IN9 correspond to OUT2 and so on.

電源供應 Power supply
24 V dc (± 10%)

輸出 Outputs
4個PNP、NPN輸出 4 PNP, NPN output.

輸入
最多16個(NPN、PNP或二線磁性開關)自動識別傳感器開關類型，不需跳轉線選擇。

Inputs
Up to 16 (NPN, PNP or 2-wire magnetic switches) automatically recognize sensor switch types without jump line selection.

傳感器盒

感應線系列

傳感器盒安裝過程 Sensor box installation process

安裝過程

- 將盒子置于并且固定在OPT的型材上;①
- 將傳感器電纜連接到輸入區域;②
- 連接M8連接器或者使用可選的纜接頭;③
- 打開蓋子,鑽好孔位,安裝好機器人連接線;④
- 提供24Vdc電源;⑤
- 系列輸出時,通過滑動開關選擇PNP/NPN/繼電器輸出;⑥
- 在PNP/NPN輸出時,可參考24Vdc終端供電或者接地;⑦
- 通過滑動開關選擇常規開啓或者常規關閉的邏輯。⑧
- 蓋上蓋子并擰緊機器人連接線。⑨

Installation process

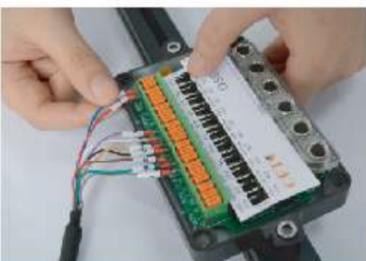
- Place and secure the box on the profile of the OPT; ①
- Connect the sensor cable to the input area; ②
- Connect the M8 connector or use an optional wire connector; ③
- Open the cover, drill the hole, and install the Robot cable; ④
- Provide 24Vdc power supply; ⑤
- For series output, the PNP/NPN/relay output is selected by the slide switch; ⑥
- For PNP/NPN output, refer to the 24Vdc terminal for power supply or grounding; ⑦
- Use the slide switch to select the logic for regular on or normal off. ⑧
- Close the lid and tighten the Robot cable. ⑨













磁性開關 Magnetic switch

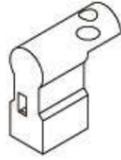
磁性開關特點

- PNP或者NPN邏輯輸出;
- 可振動;
- 電纜或M8連接器輸出;
- 100%可追溯性;
- "C" 或者 "T" 槽直接應用;
- 可選的K-SENS槽適配器;
- 可選的2.5m,5m和10m延長線。

Magnetic switch features

- PNP or NPN logic output;
- No problems in case of vibrations;
- Cable or M8 connector output;
- 100% traceability;
- Standard direct "C" or "T" slot application;
- Optional K-SENS slot adapters;
- Optional 2.5m, 5m and 10m extensions.





OSG

OSN

OSS

OST

型號訂購碼

OSG

類型

OSG: 標準長形帶感應光源

OSN: T形磁性開關

OSS: 長形帶感應光源

OST: 短型帶感應光源

203

外直徑(mm)

203: 20*3(長*寬)

205: 20*5(長*寬)

N-G

輸出方式

N-G: 二線

M-NPN: 三線 NPN

M-PPN: 三線 PNP

感應線系列

● 磁性開關 Magnetic switch

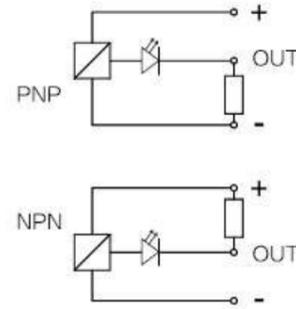
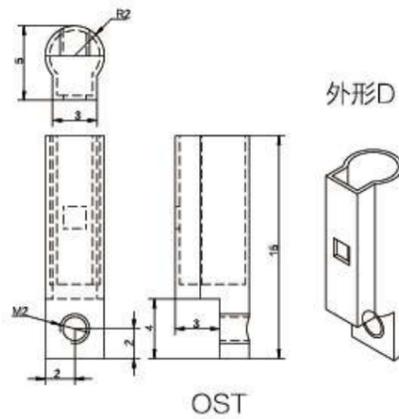
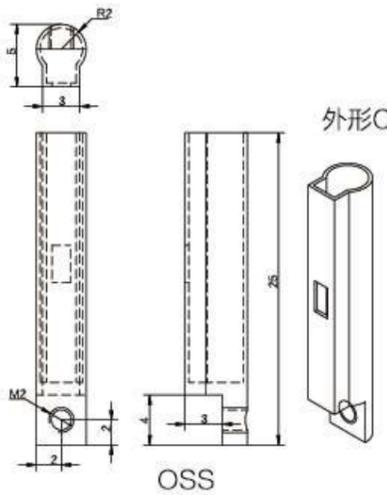
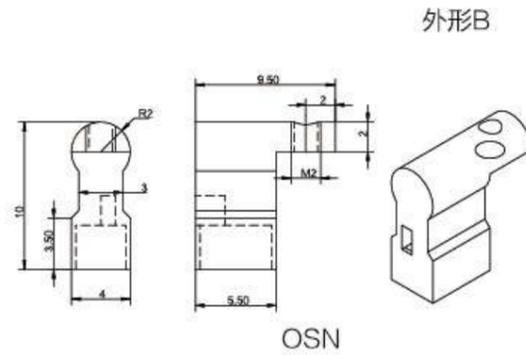
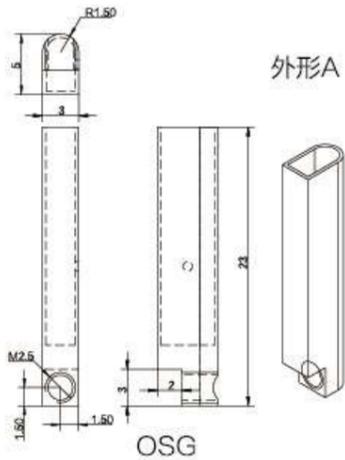


示意圖 / Schematic diagram



感應線系列

● 磁性開關 Magnetic switch

型號 Model	線制 Line	電源 Power source	消耗電流 Current consumption	負載電壓 Load voltage	負載電流 Load current	單價(元) Price(yuan)
OSS203N-G	二線 second line	-	-	DC24V(DC10~28V)	5~40mA	
OSN203N-G					5~40mA	
OSG203N-G					5~40mA	
OSN203M-PNP	三線 Three lines	DC: 5V,12V,24V	10mA以下	DC: 28V以下	80mA以下	
OSN203M-NPN					40mA以下	
OSS203M-PNP					80mA以下	
OSS203M-NPN					40mA以下	
OSG203M-PNP					80mA以下	
OSG203M-NPN					40mA以下	
OST203M-PNP					80mA以下	
OST203M-NPN					40mA以下	
OSG205M-PNP					80mA以下	
OSG205M-NPN					40mA以下	

運用實例 / Application example



傳感器盒

感應線系列

● 光電開關 Photoelectric switch

光電開關特點

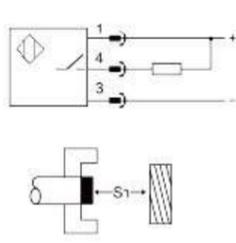
- 直徑為3mm,4mm感應傳感器表面光滑;
- PNP或NPN邏輯輸出;
- 1.5mm感應距離;
- 檢測成功發出光源;
- 不受周圍工作環境影響,惡劣環境下仍然正常發揮作用。

Photoelectric switch features

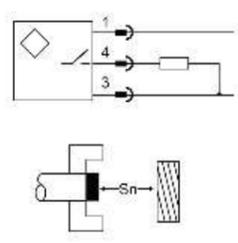
- Φ 3mm, Φ 4mm inductive sensors with clean design profile;
- PNP or NPN logic output;
- 1.5mm sensing distance;
- The detection succeeds in emitting the light source;
- It is not affected by the surrounding working environment and still functions normally in harsh environments.



INS8



INS5



型號 Model	外形數據 Appearance data	額定檢測距離 Rated detection distance	可靠檢測距離 Reliable detection distance	直流三線 DC Three-wire		供電電壓 Service voltage	負載電流 Load current	消耗電流 Current consumption	開關頻率 Switching frequency	工作溫度 Operating temperature	防護等級 protection class	連接方式 connection mode	單價(元) Price(yuan)
				NPN	PNP								
INS5-NPN	M5x1mm	0.8mm	0至0.6mm	常開	常閉	DC10-30V	<200mA	<10mA	2000Hz	-25℃	IP67	2米接線端子 2m terminals	
INS5-PNP				常開	常閉								
INS8-NPN	M8x1mm 帶P8豬尾插頭	1mm	0至0.8mm	常開	常閉	DC10-30V	<200mA	<10mA	2000Hz	至 +70℃	IP67	M8航插帶20CM PVC纜纜	
INS8-PNP				常開	常閉								

運用實例 / Application example



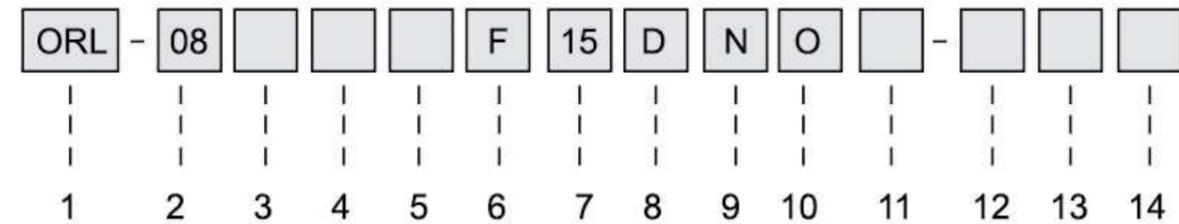
OGRZ



OX

● 電感式傳感器 Inductive sensor

型號訂購碼



- 類型**
ORL: 圓柱形電感線
OEL: 方形電感線
- 尺寸代號**
數字: 外殼尺寸
如: 08: M8
- 外殼形狀**
Q: 光滑圓柱形
V: 角柱形
Z: 組合形
H: 環形
U: 槽型
X: 半螺紋形
- 外殼材料**
無: 金屬銅材
S: 塑料
G: 不銹鋼
V: 鋁質
- 外形尺寸**
A: 短型
B: 標準型
C: 長型
- 檢測距離**
02: 2mm
04: 4mm
10: 10mm
- 安裝形式**
N: 非埋
F: 埋入
- 工作電壓**
A: 20..250VAC
B: 90..250VAC
C: 380VAC
D: 10..30VDC
E: 10..60VDC
F: 8.2VDC
G: 5..60VDC
H: 20..30VDC
I: 10..40VDC
J: 5VDC
S: 20..250VAC/DC
T: 12..24VDC
- 輸出方式**
B: AC/DC二線
L: DC二線
T: AC二線
P: PNP
N: NPN
E: NPN/PNP
F: NPN+PNP
K: 繼電路
- 輸出狀態**
A: 常開/常閉可逆
B: 常開/常閉可選
分爲電感線可選, 電位器可選
O: 常開
C: 常閉
R: 常開+常閉
IU: 電壓型+電流型 (0..10, 0..20A)
U: 電壓型 (0..10V)
I: 電流型 (0..20mA)
I4: 電流型 (4..20mA)
- 引線長度**
無: 2m
3M: 3m
- 連接形式**
無: 2M引線式
E1: M8三芯插件
E2: M12四芯插件
E3: M8四芯插件
E4: M12四芯梯形插件
E5: M12五芯插件
D: 內端子接線
- 開關功能**
無標準功能型
M: 模擬量
N: NAMUR
W: 耐高溫 (-25C...120C)
W1: 耐低溫 (-40°C...70C)
W2: 耐高 (-25C...100)
B: 耐高壓
T: 速度型
Z: 自診斷
Y: 增強遠距離型
G: 頻率增強型
Q: 全金屬封裝型
A: 強磁免疫型
K: 抗電源干擾
F: 檢測鐵
NF: 檢測非鐵
J: 監速型
- 特殊要求**
用數字或字母表示

感應線系列

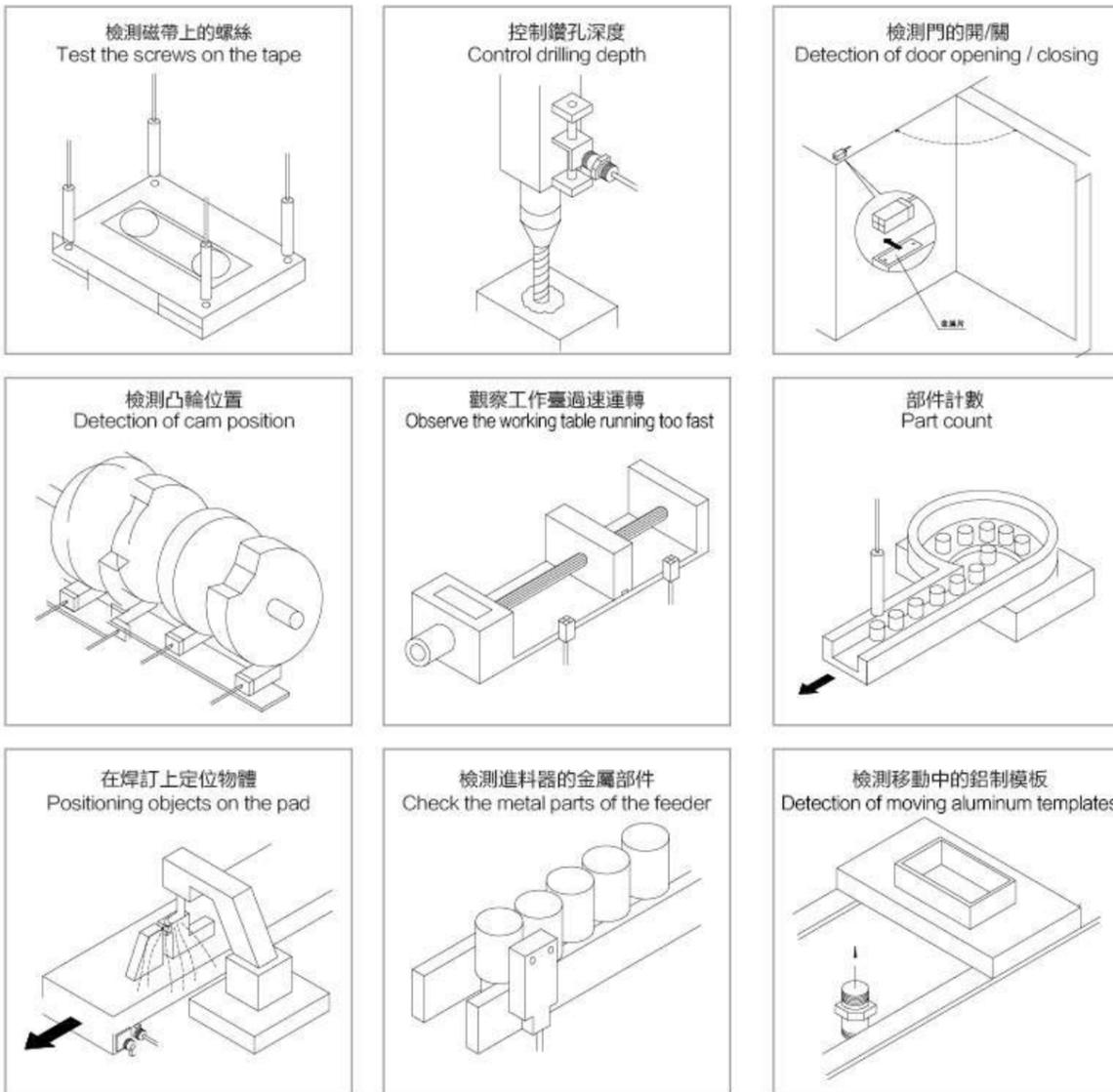
●電感式傳感器 Inductive sensor

應用實例

Application examples

電感式傳感器在航空、航天技術以及工業生產中都有廣泛的應用。當被測對象是導電物體或可以固定在一塊金屬物上的物體時，一般都選用電感式傳感器，因為它的響應頻率高、抗環境干擾性能好、應用範圍廣、成本經濟。

Inductive sensors are widely used in aviation, aerospace technology and industrial production. When the measured object is a conductive object or an object that can be fixed on a metal object, the inductive sensor is generally selected because of its high response frequency, good anti-interference performance, wide application range and low cost.



感應線系列

●2-線圓柱形電感線 2-wire cylindrical inductor wire

電源電壓:10-30VDC

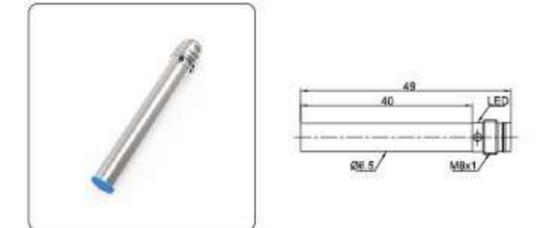
- 安裝便捷，精度高。
 - 採用非接觸式檢測方式，工作可靠，工作可靠壽命長；
 - 採用專用IC設計製造，性能穩定，重複性好；
 - 結構簡單，靈敏度高，抗干擾能力強；
 - 規格齊全，連接方式多樣，應用廣泛。
- Easy installation and high precision.
 - Non-contact detection method, reliable work, long working life and reliable life;
 - Designed and manufactured with dedicated IC, stable performance and good repeatability;
 - The structure is simple, the sensitivity is high, and the anti-interference ability is strong;
 - Complete specifications, various connection methods, and wide application.

ORL6.5Q ● 埋入



2線 NO: ORL6.5QBF15DLO
2線 NC: ORL6.5QBF15DLC

ORL6.5Q ● 埋入



2線 NO: ORL6.5QBF15DLO-E1
2線 NC: ORL6.5QBF15DLC-E1

ORL0.8Q ● 埋入



2線 NO: ORL08QBF15DLO
2線 NC: ORL08QBF15DLC

ORL0.8Q ● 埋入



2線 NO: ORL08QBF15DLO-E1
2線 NC: ORL08QBF15DLC-E1

型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL6.5QBF15DLO	10...30VDC	<100mA	<3%	1000Hz	黃色LED	...	-25...+70°C	2m PVC 電纜	CE	
ORL6.5QBF15DLC						...				
ORL6.5QBF15DLO-E1						...				
ORL6.5QBF15DLC-E1						...				
ORL08QBF15DLO						...				
ORL08QBF15DLC						yes				
ORL08QBF15DLO-E1						...				
ORL08QBF15DLC-E1						...				

感應線系列

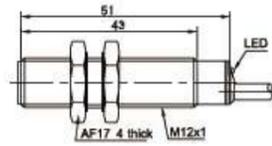
● 2-線圓柱形電感線 2-wire cylindrical inductor wire

電源電壓:10-30VDC

ORL12X ● 埋入



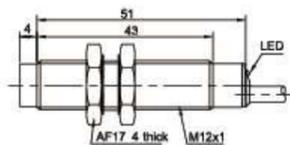
2線 NO: ORL12XBF02DLO
2線 NC: ORL12XBF02DLC



ORL12X ○ 非埋



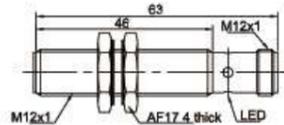
2線 NO: ORL12XBN04DLO
2線 NC: ORL12XBN04DLC



ORL12X ● 埋入



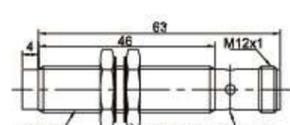
2線 NO: ORL12XBF02DLO-E2
2線 NC: ORL12XBF02DLC-E2



ORL12X ○ 非埋



2線 NO: ORL12XBN04DLO-E2
2線 NC: ORL12XBN04DLC-E2



型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL12XBF02DLO	10...30VDC	<100mA	<3%	800Hz	黃色LED	yes	-25...+70°C	2m PVC 電纜	 	
ORL12XBF02DLC										
ORL12XBF02DLO-E2										
ORL12XBF02DLC-E2										
ORL12XBN04DLO										
ORL12XBN04DLC										
ORL12XBN04DLO-E2										
ORL12XBN04DLC-E2										

感應線系列

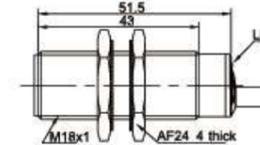
● 2-線圓柱形電感線 2-wire cylindrical inductor wire

電源電壓:10-30VDC

ORL18X ● 埋入



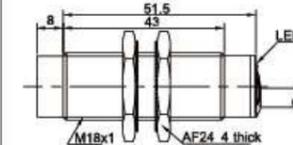
2線 NO: ORL18XBF05DLO
2線 NC: ORL18XBF05DLC



ORL18X ○ 非埋



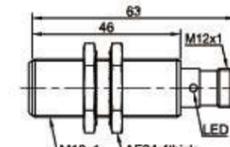
2線 NO: ORL18XBN08DLO
2線 NC: ORL18XBN08DLC



ORL18X ● 埋入



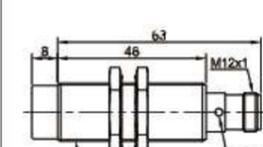
2線 NO: ORL18XBF05DLO-E2
2線 NC: ORL18XBF05DLC-E2



ORL18X ○ 非埋



2線 NO: ORL18XBN05DLO-E2
2線 NC: ORL18XBN05DLC-E2



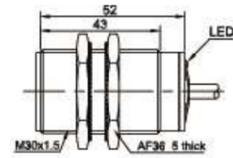
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL18XBF05DLO	10...30VDC	<100mA	<3%	500Hz	黃色LED	yes	-25...+70°C	2m PVC 電纜	 	
ORL18XBF05DLC										
ORL18XBF05DLO-E2										
ORL18XBF05DLC-E2										
ORL18XBN08DLO										
ORL18XBN08DLC										
ORL18XBN05DLO-E2										
ORL18XBN05DLC-E2										

感應線系列

● 2-線圓柱形電感線 2-wire cylindrical inductor wire

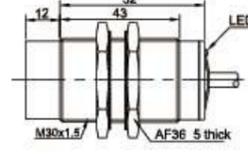
電源電壓:10-30VDC

ORL30X ● 埋入



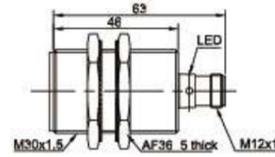
2線 NO: ORL30XBF10DLO
2線 NC: ORL30XBF10DLC

ORL30X ○ 非埋



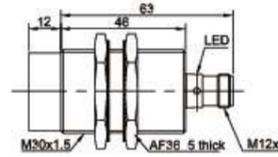
2線 NO: ORL30XBN15DLO
2線 NC: ORL30XBN15DLC

ORL30X ● 埋入



2線 NO: ORL30XBF10DLO-E2
2線 NC: ORL30XBF10DLC-E2

ORL30X ○ 非埋



2線 NO: ORL30XBN15DLO-E2
2線 NC: ORL30XBN15DLC-E2

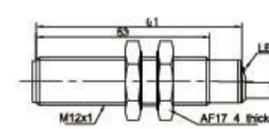
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL12XBF02DLO	10...30VDC	<100mA	<3%	300Hz	黃色LED	yes	-25...+70°C	2m PVC 電纜	 	
ORL12XBF02DLC										
ORL12XBF02DLO-E2										
ORL12XBF02DLC-E2										
ORL12XBN04DLO				200Hz						
ORL12XBN04DLC										
ORL12XBN04DLO-E2										
ORL12XBN04DLC-E2										

感應線系列

● 2-線圓柱形電感線 2-wire cylindrical inductor wire

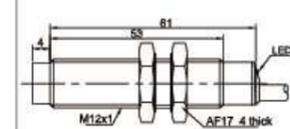
電源電壓:20-250VDC

ORL12X ● 埋入



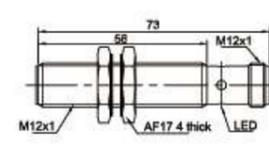
2線 NO: ORL12XCF02ATO
2線 NC: ORL12XCF02ATC

ORL12X ○ 非埋



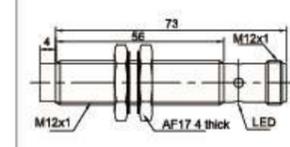
2線 NO: ORL12XCN04ATO
2線 NC: ORL12XCN04ATC

ORL12X ● 埋入



2線 NO: ORL12XCF02ATO-E2
2線 NC: ORL12XCF02ATC-E2

ORL12X ○ 非埋



2線 NO: ORL12XCN04ATO-E2
2線 NC: ORL12XCN04ATC-E2

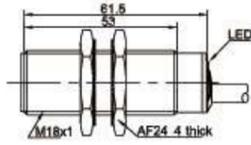
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL12XCF02ATO	25...250VAC	<200mA	<3%	20Hz	黃色LED	yes	-25...+70°C	2m PVC 電纜	 	
ORL12XCF02ATC										
ORL12XCF02ATO-E2										
ORL12XCF02ATC-E2										
ORL12XCN04ATO										
ORL12XCN04ATC										
ORL12XCN04ATO-E2										
ORL12XCN04ATC-E2										

感應線系列

●2-線圓柱形電感線 2-wire cylindrical inductor wire

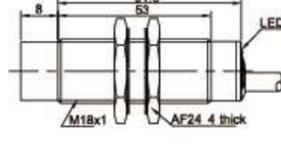
電源電壓:20-250VDC

ORL18X ● 埋入



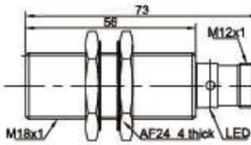
2線 NO: ORL18XCF05ATO
2線 NC: ORL18XCF05ATC

ORL18X ○ 非埋



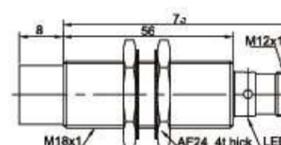
2線 NO: ORL18XCN08ATO
2線 NC: ORL18XCN08ATC

ORL18X ● 埋入



2線 NO: ORL18XCF05ATO-E2
2線 NC: ORL18XCF05ATC-E2

ORL18X ○ 非埋



2線 NO: ORL18XCN08ATO-E2
2線 NC: ORL18XCN08ATC-E2

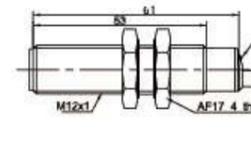
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL18XCF05ATO	25...250VAC	<300mA	<3%	20Hz	黃色LED	...	-25...+70C°	2m PVC 電纜		
ORL18XCF05ATC										
ORL18XCF05ATO-E2										
ORL18XCF05ATC-E2										
ORL18XCN08ATO										
ORL18XCN08ATC										
ORL18XCN08ATO-E2										
ORL18XCN08ATC-E2										

感應線系列

●2-線圓柱形電感線 2-wire cylindrical inductor wire

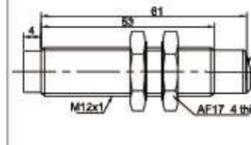
電源電壓:20-250VDC

ORL30X ● 埋入



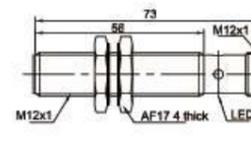
2線 NO: ORL30XCF10ATO
2線 NC: ORL30XCF10ATC

ORL30X ○ 非埋



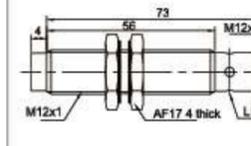
2線 NO: ORL30XCN15ATO
2線 NC: ORL30XCN15ATC

ORL30X ● 埋入



2線 NO: ORL30XCF10ATO-E2
2線 NC: ORL30XCF10ATC-E2

ORL30X ○ 非埋



2線 NO: ORL30XCN15ATO-E2
2線 NC: ORL30XCN15ATC-E2

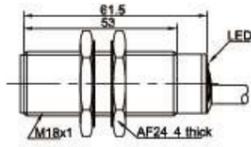
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL30XCF10ATO	25...250VAC	<300mA	<3%	20Hz	黃色LED	...	-25...+70C°	2m PVC 電纜		
ORL30XCF10ATC										
ORL30XCF10ATO-E2										
ORL30XCF10ATC-E2										
ORL30XCN15ATO										
ORL30XCN15ATC										
ORL30XCN15ATO-E2										
ORL30XCN15ATC-E2										

感應線系列

●2-線圓柱形電感線 2-wire cylindrical inductor wire

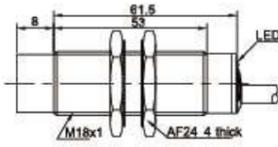
電源電壓:20-250VAC/DC

ORL18X ● 埋入



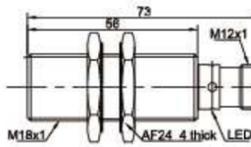
2線 NO: ORL18XCF05SBO
2線 NC: ORL18XCF05SBC

ORL18X ○ 非埋



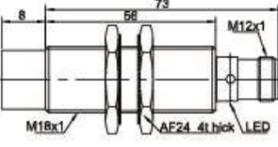
2線 NO: ORL18XCN08SBO
2線 NC: ORL18XCN08SBC

ORL18X ● 埋入



2線 NO: ORL18XCF05SBO-E2
2線 NC: ORL18XCF05SBC-E2

ORL18X ○ 非埋



2線 NO: ORL18XCN08SBO-E2
2線 NC: ORL18XCN08SBC-E2

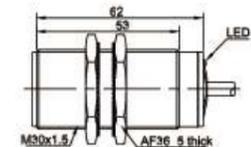
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL18XCF05SBO	25...250 VAC/DC	AC:6<300mA DC:6<100mA	<3%	AC:20Hz DC:500Hz	黃色LED	...	-25...+70C°	2m PVC 電纜	 	
ORL18XCF05SBC										
ORL18XCF05SBO-E2										
ORL18XCF05SBC-E2										
ORL18XCN08SBO										
ORL18XCN08SBC										
ORL18XCN08SBO-E2										
ORL18XCN08SBC-E2										

感應線系列

●2-線圓柱形電感線 2-wire cylindrical inductor wire

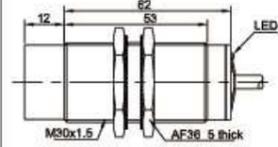
電源電壓:20-250VAC/DC

ORL30X ● 埋入



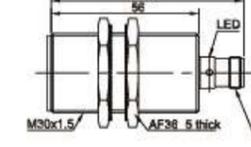
2線 NO: ORL30XCF10SBO
2線 NC: ORL30XCF10SBC

ORL30X ○ 非埋



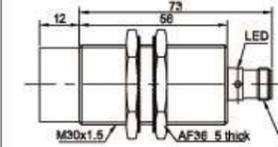
2線 NO: ORL30XCN15SBO
2線 NC: ORL30XCN15SBC

ORL30X ● 埋入



2線 NO: ORL30XCF10SBO-E2
2線 NC: ORL30XCF10SBC-E2

ORL30X ○ 非埋



2線 NO: ORL30XCN15SBO-E2
2線 NC: ORL30XCN15SBC-E2

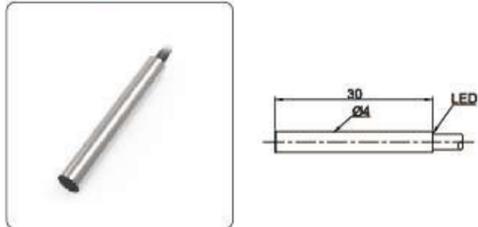
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL30XCF10SBO	25...250 VAC/DC	AC:<300mA DC:<100mA	<3%	AC:20Hz DC:500Hz	黃色LED	...	-25...+70C°	2m PVC 電纜		
ORL30XCF10SBC										
ORL30XCF10SBO-E2										
ORL30XCF10SBC-E2										
ORL30XCN15SBO										
ORL30XCN15SBC										
ORL30XCN15SBO-E2										
ORL30XCN15SBC-E2										

感應線系列

●3-線圓柱形電感線 3-wire cylindrical inductor wire

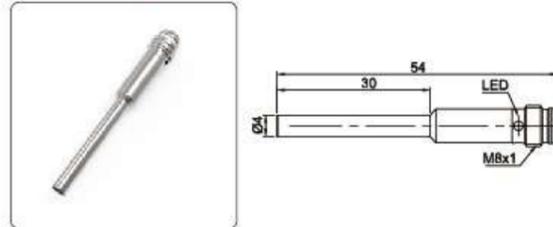
電源電壓: 10-30VDC

ORL04Q ●埋入



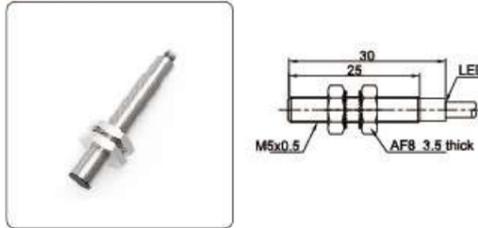
3線 NPN NO: ORL04QAF08DNO
 3線 NPN NC: ORL04QAF08DNC
 3線 PNP NO: ORL04QAF08DPO
 3線 PNP NC: ORL04QAF08DPC

ORL04XQ ●埋入



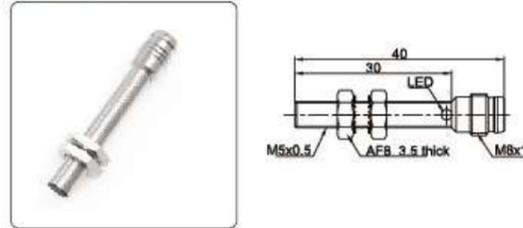
3線 NPN NO: ORL04QAF08DNO-E1
 3線 NPN NC: ORL04QAF08DNC-E1
 3線 PNP NO: ORL04QAF08DPO-E1
 3線 PNP NC: ORL04QAF08DPC-E1

ORL05 ●埋入



3線 NPN NO: ORL05AF08DNO
 3線 NPN NC: ORL05AF08DNC
 3線 PNP NO: ORL05AF08DPO
 3線 PNP NC: ORL05AF08DPC

ORL05X ●埋入



3線 NPN NO: ORL05AF08DNO-E1
 3線 NPN NC: ORL05AF08DNC-E1
 3線 PNP NO: ORL05AF08DPO-E1
 3線 PNP NC: ORL05AF08DPC-E1

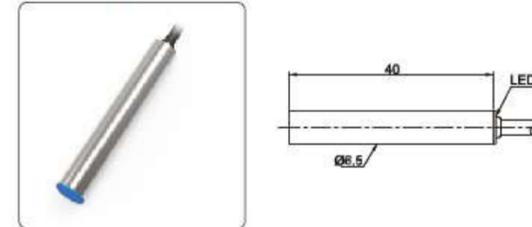
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL04QAF08DNO	10-30VDC	<100mA	<3%	2000Hz	紅色LED	...	-25...+70C°	2m PVC 電纜	CE	
ORL04QAF08DNC										
ORL04QAF08DPO										
ORL04QAF08DPC										
ORL04QAF08DNO-E1										
ORL04QAF08DNC-E1										
ORL04QAF08DPO-E1										
ORL04QAF08DPC-E1										
ORL05AF08DNO										
ORL05AF08DNC										
ORL05AF08DPO										
ORL05AF08DPC										
ORL05AF08DNO-E1										
ORL05AF08DNC-E1										
ORL05AF08DPO-E1										
ORL05AF08DPC-E1										

感應線系列

●3-線圓柱形電感線 3-wire cylindrical inductor wire

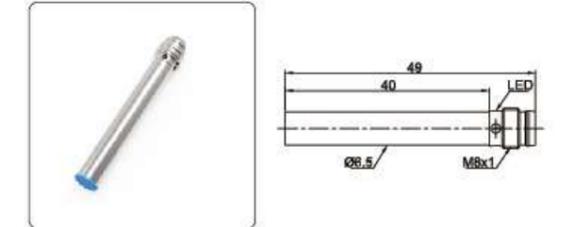
電源電壓: 10-30VDC

ORL6.5Q ●埋入



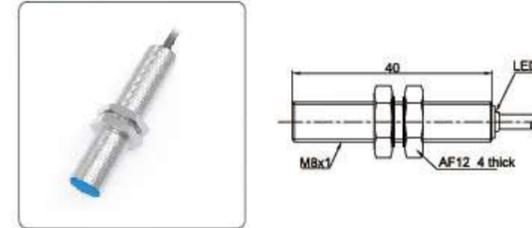
3線 NPN NO: ORL6.5QBF15DNO
 3線 NPN NC: ORL6.5QBF15DNC
 3線 PNP NO: ORL6.5QBF15DPO
 3線 PNP NC: ORL6.5QBF15DPC

ORL6.5Q ●埋入



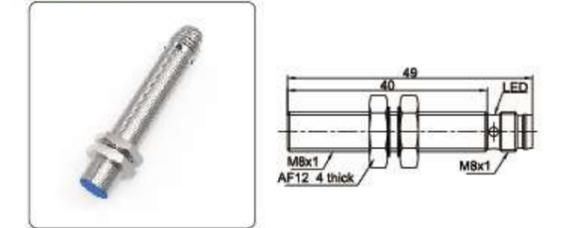
3線 NPN NO: ORL6.5QBF15DNO-E1
 3線 NPN NC: ORL6.5QBF15DNC-E1
 3線 PNP NO: ORL6.5QBF15DPO-E1
 3線 PNP NC: ORL6.5QBF15DPC-E1

ORL08 ●埋入



3線 NPN NO: ORL08BF15DNO
 3線 NPN NC: ORL08BF15DNC
 3線 PNP NO: ORL08BF15DPO
 3線 PNP NC: ORL08BF15DPC

ORL08 ●埋入



3線 NPN NO: ORL08BF15DNO-E1
 3線 NPN NC: ORL08BF15DNC-E1
 3線 PNP NO: ORL08BF15DPO-E1
 3線 PNP NC: ORL08BF15DPC-E1

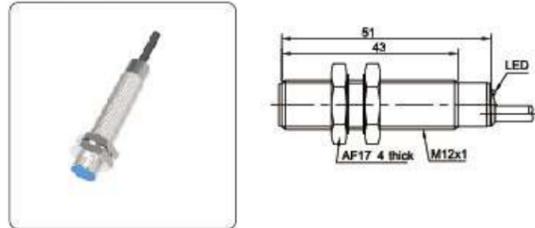
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL6.5QBF15DNO	10-30VDC	<150mA	<3%	2000Hz	黃色LED	...	-25...+70C°	2m PVC 電纜	CE	
ORL6.5QBF15DNC										
ORL6.5QBF15DPO										
ORL6.5QBF15DPC										
ORL6.5QBF15DNO-E1										
ORL6.5QBF15DNC-E1										
ORL6.5QBF15DPO-E1										
ORL6.5QBF15DPC-E1										
ORL08BF15DNO								2m PVC 電纜		
ORL08BF15DNC										
ORL08BF15DPO										
ORL08BF15DPC										
ORL08BF15DNO-E1										
ORL08BF15DNC-E1										
ORL08BF15DPO-E1										
ORL08BF15DPC-E1										
ORL08BF15DNO	M8連接器									
ORL08BF15DNC										
ORL08BF15DPO										
ORL08BF15DPC										
ORL08BF15DNO-E1										
ORL08BF15DNC-E1										
ORL08BF15DPO-E1										
ORL08BF15DPC-E1										

感應線系列

● 3-線圓柱形電感線 3-wire cylindrical inductor wire

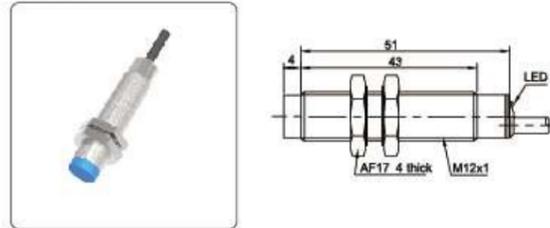
電源電壓: 10-30VDC

ORL12X ● 埋入



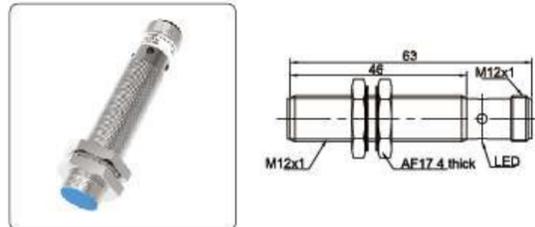
3線 NPN NO: ORL12XBF02DNO
 3線 NPN NC: ORL12XBF02DNC
 3線 NPN NO+NC: ORL12XBF02DNR
 3線 PNP NO: ORL12XBF02DPO
 3線 PNP NC: ORL12XBF02DPC
 3線 PNP NO+NC: ORL12XBF02DPR

ORL12X ● 非埋



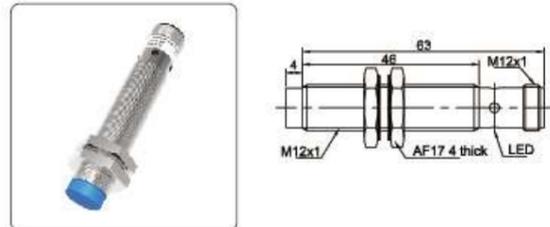
3線 NPN NO: ORL12XBN04DNO
 3線 NPN NC: ORL12XBN04DNC
 3線 NPN NO+NC: ORL12XBN04DNR
 3線 PNP NO: ORL12XBN04DPO
 3線 PNP NC: ORL12XBN04DPC
 3線 PNP NO+NC: ORL12XBN04DPR

ORL12X ● 埋入



3線 NPN NO: ORL12XBF02DNO-E2
 3線 NPN NC: ORL12XBF02DNC-E2
 3線 NPN NO+NC: ORL12XBF02DNR-E2
 3線 PNP NO: ORL12XBF02DPO-E2
 3線 PNP NC: ORL12XBF02DPC-E2
 3線 PNP NO+NC: ORL12XBF02DPR-E2

ORL12X ● 非埋



3線 NPN NO: ORL12XBN04DNO-E2
 3線 NPN NC: ORL12XBN04DNC-E2
 3線 NPN NO+NC: ORL12XBN04DNR-E2
 3線 PNP NO: ORL12XBN04DPO-E2
 3線 PNP NC: ORL12XBN04DPC-E2
 3線 PNP NO+NC: ORL12XBN04DPR-E2

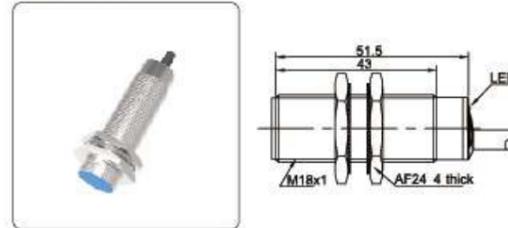
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL12XBF02DNO ORL12XBF02DNC ORL12XBF02DNR ORL12XBF02DPO ORL12XBF02DPC ORL12XBF02DPR ORL12XBF02DNO-E2 ORL12XBF02DNC-E2 ORL12XBF02DNR-E2 ORL12XBF02DPO-E2 ORL12XBF02DPC-E2 ORL12XBF02DPR-E2	10-30VDC	<200mA	<3%	1500Hz	黃色LED	...	-25...+70C°	2m PVC 電纜	CE UL	
ORL12XBN04DNO ORL12XBN04DNC ORL12XBN04DNR ORL12XBN04DPO ORL12XBN04DPC ORL12XBN04DPR ORL12XBN04DNO-E2 ORL12XBN04DNC-E2 ORL12XBN04DNR-E2 ORL12XBN04DPO-E2 ORL12XBN04DPC-E2 ORL12XBN04DPR-E2								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		

感應線系列

● 3-線圓柱形電感線 3-wire cylindrical inductor wire

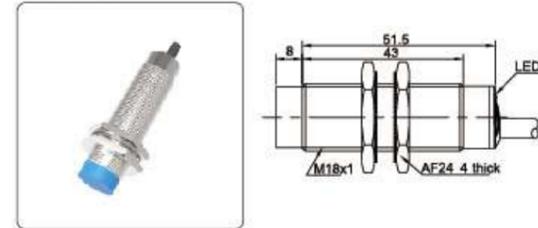
電源電壓: 10-30VDC

ORL18X ● 埋入



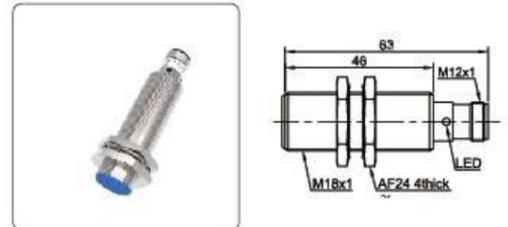
3線 NPN NO: ORL18XBF05DNO
 3線 NPN NC: ORL18XBF05DNC
 3線 NPN NO+NC: ORL18XBF05DNR
 3線 PNP NO: ORL18XBF05DPO
 3線 PNP NC: ORL18XBF05DPC
 3線 PNP NO+NC: ORL18XBF05DPR

ORL18X ● 非埋



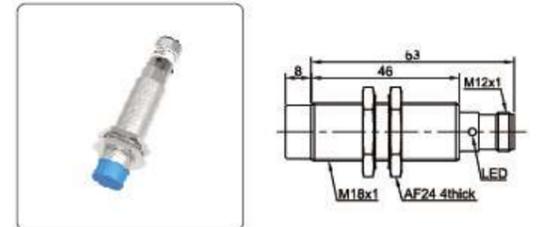
3線 NPN NO: ORL18XBN08DNO
 3線 NPN NC: ORL18XBN08DNC
 3線 NPN NO+NC: ORL18XBN08DNR
 3線 PNP NO: ORL18XBN08DPO
 3線 PNP NC: ORL18XBN08DPC
 3線 PNP NO+NC: ORL18XBN08DPR

ORL18X ● 埋入



3線 NPN NO: ORL18XBF05DNO-E1
 3線 NPN NC: ORL18XBF05DNC-E1
 3線 NPN NO+NC: ORL18XBF05DNR-E1
 3線 PNP NO: ORL18XBF05DPO-E1
 3線 PNP NC: ORL18XBF05DPC-E1
 3線 PNP NO+NC: ORL18XBF05DPR-E1

ORL18X ● 非埋



3線 NPN NO: ORL18XBN08DNO-E1
 3線 NPN NC: ORL18XBN08DNC-E1
 3線 NPN NO+NC: ORL18XBN08DNR-E1
 3線 PNP NO: ORL18XBN08DPO-E1
 3線 PNP NC: ORL18XBN08DPC-E1
 3線 PNP NO+NC: ORL18XBN08DPR-E1

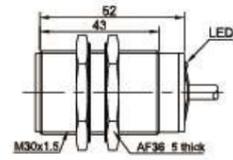
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
ORL18XBF05DNO ORL18XBF05DNC ORL18XBF05DNR ORL18XBF05DPO ORL18XBF05DPC ORL18XBF05DPR ORL18XBF05DNO-E1 ORL18XBF05DNC-E1 ORL18XBF05DNR-E1 ORL18XBF05DPO-E1 ORL18XBF05DPC-E1 ORL18XBF05DPR-E1	10-30VDC	<200mA	<3%	1500Hz	黃色LED	yes	-25...+70C°	2m PVC 電纜	CE UL	
ORL18XBN08DNO ORL18XBN08DNC ORL18XBN08DNR ORL18XBN08DPO ORL18XBN08DPC ORL18XBN08DPR ORL18XBN08DNO-E1 ORL18XBN08DNC-E1 ORL18XBN08DNR-E1 ORL18XBN08DPO-E1 ORL18XBN08DPC-E1 ORL18XBN08DPR-E1								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		
								M12連接器		

感應線系列

●3-線圓柱形電感線 3-wire cylindrical inductor wire

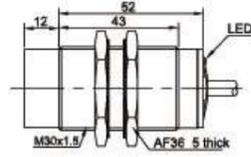
電源電壓: 10-30VDC

ORL30X ● 埋入



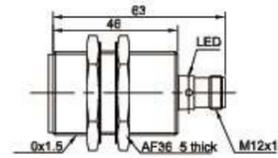
3線 NPN NO: ORL30XBF10DNO
 3線 NPN NC: ORL30XBF10DNC
 3線 NPN NO+NC: ORL30XBF10DNR
 3線 PNP NO: ORL30XBF10DPO
 3線 PNP NC: ORL30XBF10DPC
 3線 PNP NO+NC: ORL30XBF10DPR

ORL30X ● 非埋



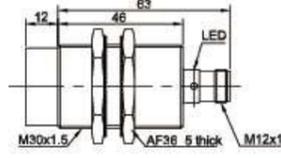
3線 NPN NO: ORL30XBN15DNO
 3線 NPN NC: ORL30XBN15DNC
 3線 NPN NO+NC: ORL30XBN15DNR
 3線 PNP NO: ORL30XBN15DPO
 3線 PNP NC: ORL30XBN15DPC
 3線 PNP NO+NC: ORL30XBN15DPR

ORL30X ● 埋入



3線 NPN NO: ORL30XBF10DNO-E1
 3線 NPN NC: ORL30XBF10DNC-E1
 3線 NPN NO+NC: ORL30XBF10DNR-E1
 3線 PNP NO: ORL30XBF10DPO-E1
 3線 PNP NC: ORL30XBF10DPC-E1
 3線 PNP NO+NC: ORL30XBF10DPR-E1

ORL30X ● 非埋



3線 NPN NO: ORL30XBN15DNO-E1
 3線 NPN NC: ORL30XBN15DNC-E1
 3線 NPN NO+NC: ORL30XBN15DNR-E1
 3線 PNP NO: ORL30XBN15DPO-E1
 3線 PNP NC: ORL30XBN15DPC-E1
 3線 PNP NO+NC: ORL30XBN15DPR-E1

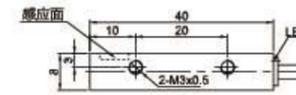
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)	
ORL30XBF10DNO	10-30VDC	<200mA	<3%	500Hz	黃色LED	yes	-25...+70C°	2m PVC 電纜	CE		
ORL30XBF10DNC											
ORL30XBF10DNR											
ORL30XBF10DPO											
ORL30XBF10DPC											
ORL30XBF10DPR											
ORL30XBF10DNO-E1											
ORL30XBF10DNC-E1											
ORL30XBF10DNR-E1											
ORL30XBF10DPO-E1											
ORL30XBF10DPC-E1											
ORL30XBF10DPR-E1											
ORL30XBN15DNO								2m PVC 電纜			
ORL30XBN15DNC											
ORL30XBN15DNR											
ORL30XBN15DPO											
ORL30XBN15DPC											
ORL30XBN15DPR											
ORL30XBN15DNO-E1											M12連接器
ORL30XBN15DNC-E1											
ORL30XBN15DNR-E1											
ORL30XBN15DPO-E1											
ORL30XBN15DPC-E1											
ORL30XBN15DPR-E1											

感應線系列

●3-線方柱形電感線 3-wire square cylindrical inductor wire

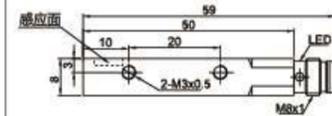
電源電壓: 10-30VDC

OEL81 ● 埋入



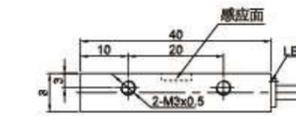
3線 NPN NO: OEL81VF15DNO
 3線 NPN NC: OEL81AVF15DNC
 3線 PNP NO: OEL81VF15DPO
 3線 PNP NC: OEL81VF15DPC

OEL81 ● 埋入



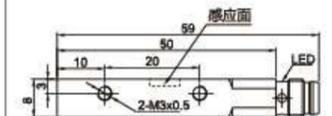
3線 NPN NO: OEL81VF15DNO-E1
 3線 NPN NC: OEL81VF15DNC-E1
 3線 PNP NO: OEL81VF15DPO-E1
 3線 PNP NC: OEL81VF15DPC-E1

OEL82 ● 埋入



3線 NPN NO: OEL82VF15DNO
 3線 NPN NC: OEL82VF15DNC
 3線 PNP NO: OEL82VF15DPO

OEL82 ● 埋入



3線 NPN NO: OEL82VF15DNO-E1
 3線 NPN NC: OEL82VF15DNC-E1
 3線 PNP NO: OEL82VF15DPO-E1
 3線 PNP NC: OEL82VF15DPC-E1

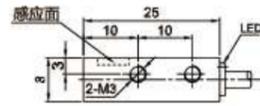
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境濕度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)	
OEL81VF15DNO	10-30VDC	<100mA	<3%	2000Hz	黃色LED	...	-25...+70C°	2m PVC 電纜	CE		
OEL81VF15DNC											
OEL81VF15DPO											
OEL81VF15DPC											
OEL81VF15DNO-E1											
OEL81VF15DNC-E1											
OEL81VF15DPO-E1											
OEL81VF15DPC-E1											
OEL82VF15DNO											2m PVC 電纜
OEL82VF15DNC											
OEL82VF15DPO											
OEL82VF15DPC											
OEL82VF15DNO-E1								M8連接器			
OEL82VF15DNC-E1											
OEL82VF15DPO-E1											
OEL82VF15DPC-E1											

感應線系列

● 3-線圓柱形電感線 3-wire cylindrical inductor wire

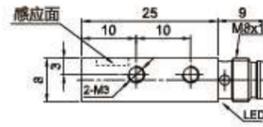
電源電壓: 10-30VDC

OEL83 ● 埋入



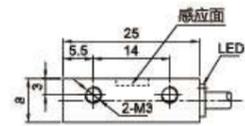
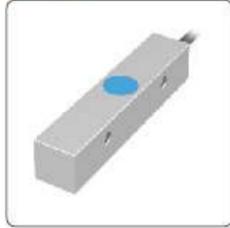
3線 NPN NO: OEL83VF15DNO
 3線 NPN NC: OEL83VF15DNC
 3線 PNP NO: OEL831VF15DPO
 3線 PNP NC: OEL83VF15DPC

OEL83 ● 埋入



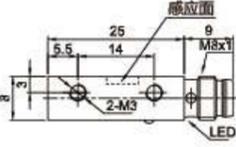
3線 NPN NO: OEL83VF15DNO-E1
 3線 NPN NC: OEL83VF15DNC-E1
 3線 PNP NO: OEL831VF15DPO-E1
 3線 PNP NC: OEL83VF15DPC-E1

OEL84 ● 埋入



3線 NPN NO: OEL84VF15DNO
 3線 NPN NC: OEL84VF15DNC
 3線 PNP NO: OEL841VF15DPO
 3線 PNP NC: OEL84VF15DPC

OEL84 ● 埋入



3線 NPN NO: OEL84VF15DNO-E1
 3線 NPN NC: OEL84VF15DNC-E1
 3線 PNP NO: OEL841VF15DPO-E1
 3線 PNP NC: OEL84VF15DPC-E1

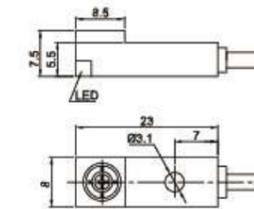
型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
OEL83VF15DNO	10...30VDC	<100mA	<3%	2000Hz	黃色LED	...	-25...+70C°	2m PVC 電纜	CE	
OEL83VF15DNC										
OEL831VF15DPO										
OEL83VF15DPC										
OEL83VF15DNO-E1										
OEL83VF15DNC-E1										
OEL831VF15DPO-E1										
OEL83VF15DPC-E1										
OEL84VF15DNO										
OEL84VF15DNC										
OEL84VF15DPO										
OEL84VF15DPC										
OEL84VF15DNO-E1										
OEL84VF15DNC-E1										
OEL841VF15DPO-E1										
OEL84VF15DPC-E1										

感應線系列

● 3-線方柱形電感線 3-wire square cylindrical inductor wire

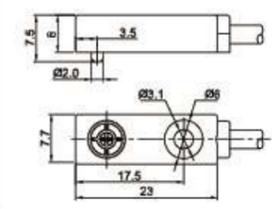
電源電壓: 10-30VDC

OEL08 ● 非埋



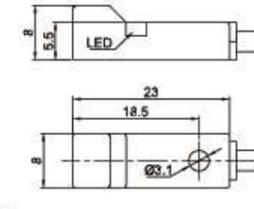
3線 NPN NO: OEL08SN25DNO
 3線 NPN NC: OEL08SN25DNC
 3線 PNP NO: OEL08SN25DPO
 3線 PNP NC: OEL08SN25DPC

OEL08X ● 非埋



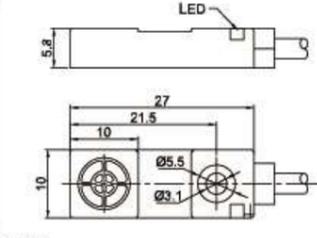
3線 NPN NO: OEL08XSN25DNO
 3線 NPN NC: OEL08XSN25DNC
 3線 PNP NO: OEL08XSN25DPO
 3線 PNP NC: OEL08XSN25DPC

OEL09 ● 非埋



3線 NPN NO: OEL09SN25DNO
 3線 NPN NC: OEL09SN25DNC
 3線 PNP NO: OEL09SN25DPO
 3線 PNP NC: OEL09SN25DPC

OEL11 ● 非埋



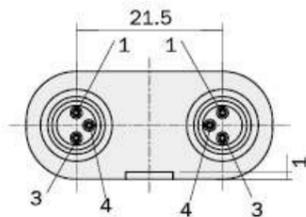
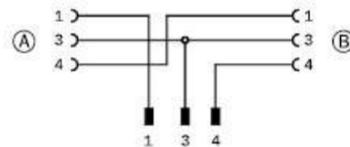
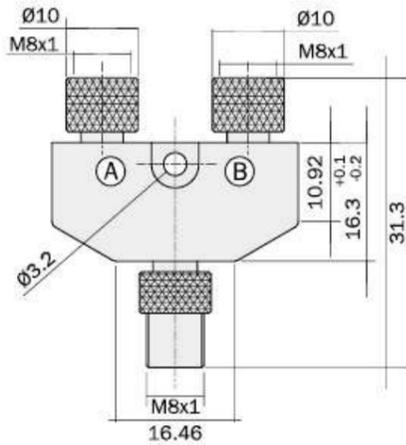
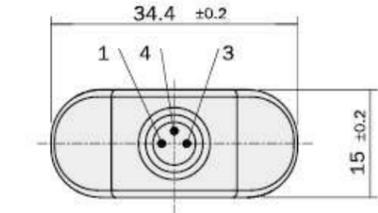
3線 NPN NO: OEL11SN03DNO
 3線 NPN NC: OEL11SN03DNC
 3線 PNP NO: OEL11SN03DPO
 3線 PNP NC: OEL11SN03DPC

型號 Model	電源電壓 Power source	負載電流 Load current	重複精度 Precision	開關頻率 On-off level	輸出指示 Output indication	短路保護 Short circuit protection	環境溫度 Environment humidity	連接方式 Connection method	產品認證 Certified product	單價(元) Price(yuan)
OEL08SN25DNO	10...30VDC	<100mA	<3%	1000Hz	紅色LED	...	-25...+70C°	2m PVC 電纜	CE	
OEL08SN25DNC										
OEL08SN25DPO										
OEL08SN25DPC										
OEL08XSN25DNO										
OEL08XSN25DNC										
OEL08XSN25DPO										
OEL08XSN25DPC										
OEL09SN25DNO										
OEL09SN25DNC										
OEL09SN25DPO										
OEL09SN25DPC										
OEL11SN03DNO										
OEL11SN03DNC										
OEL11SN03DPO										
OEL11SN03DPC										

感應線系列

● T型耦合器, M8, 3針 T-coupler M8, 3 poles

T型接頭用于產生2個常開傳感器 (PNP或REED型) 的邏輯輸出信號。
T-coupler useful to create the logical series of the outputs of 2 normally open sensors (NO) of PNP or REED type.



型號 / Model	外殼材料 / Housing material	觸頭材料 / Contacts material	連接螺母材料 / Coupling nut material	電路類型 / Circuit type	額定電壓 / Rated voltage	額定電流 / Rated current	環境度 / Environmental degree	壓降 / Drop voltage	單價(元) / Price(yuan)
OFGM8OF GM8X2Y	聚丙烯 / Polypropylene	鍍金 / Gold plated	黃銅 / Brass	2個PNP的邏輯 序列/簧片傳感器 Logical series of 2 PNP / Reed sensors	60 V AC/DC	4 A	IP67 (EN60529)	max 3 V	

感應線系列

● 連接器編碼 Connector code



系列 / Series
OF

種類 / Type
G 金屬 / Metal
S Snap

螺紋 / Thread
M8 M8x1
M12 M12x1

角度 / Angle
00 0°
90 90°

PIN碼 / PIN number
2
3
4

電纜長度 / Cable length
... 0 m
25 2.5 m
30 3 m
50 5 m
1K 10 m

定制 / Personalization
... PVC
P PUR

OF G M8 00 3 25 P

連接器類型 / Connector type	溫度範圍 / Temperature range	電纜 / Cable	防護等級 / Environmental protection degree	參考標準 / Reference norm
PVC/鍍金黃銅 PVC/gold plated brass	-25 ÷ 75° C	PVC CEI 20-22 II O.R. 0.25mm ² / AWG 26 / 32 x 0.1 mm 2	IP67 EN60529	CEI 20/22 II O.R. CEI EN 60947-5-2

≡ 3D打印

≡ 編號索引

● 3D終端產品打印機

OPT爲了更好的服務客戶

目前中國的市場走向國際化、自動化水平不斷的提高。無論從制作到服務都是在跟時間賽跑。

OPT基於客戶的要求，購買了一臺HP終端產品打印機，耗資300多萬，在夾持、真空內產品、

客制化一系列單一產品中，我們可以做到24小時內交付到客人的手中！

OPT for better customer service

At present, China's market is moving toward internationalization and automation. Whether it is from production to service, it is racing against time.

OPT purchased a HP terminal product printer based on customer requirements, costing more than 3 million, in clamping, vacuum products, customized a series of single products, we can deliver to the guests within 24 hours!



材料技術規範 Material technical specifications	材料 Material	零件密度 Density of parts	抗拉強度，最大載荷 Tensile strength, max load	熱偏轉溫度(@1.82 MPa) Heat deflection temperature (@ 1.82 MPa)
	PA12	1.01 g/cm ³	48 MPa	95° C
方式 Method		ASTM D792	ASTM D638	ASTM D648 Test Method A



● 編號索引 Number index

工業級氣剪

Industrial gas shear

Industrial gas shear							
	页数/page		页数/page		页数/page		页数/page
NT-05	023	F3	046	SL-15BC	066	OGRZ 12 R	088
NT-10	023	FD3	047	SL-15RC	066	OGRZ 12 S MS I	089
NT-15	024	F3S	047	SL-15LC	067	OGRZ 12 S	089
NT-25	024	F3CT	047	SL-15BCR	067	OGRZ 12 SM	089
NL-10A	026	F3CTL	048	SL-15RCR	068	OGRZ 12 SR MS I	090
NL-10AR	026	F3LS	048	SL-15LCR	068	OGRZ 12 PC MS I	090
NL-10B	027	F3LA	048	SL-25BC	069	OGRZ 12 EP	090
NL-10BR	027	F3AML	049	SL-25RC	069	OGRZ 14 S CS I	093
NL-15A	028	F3AMR	049	SL-25LC	070	OGRZ 14 A	093
NL-15AR	028	F5	049	SL-25BCR	070	OGRZ 14 EP	093
NL-15B	029	FD5	050	SL-25RCR	071	OGRZ 14 PE	094
NL-15BR	029	F5S	050	SL-25LCR	071	OGRZ 14 R	094
NL-25A	030	F5CT	050	SL10AJ & SL10RAJ	072	OGRZ 14 S	094
NL-25AR	030	F5LS	051	SL10AJL & SL10RAJL	072	OGRZ 14 R CS I	095
NL-25B	031	FD2504	051	SL10AE	072	OGRZ 20 EP CS I	097
NL-25BR	031	F2504	051	SL10AJT	073	OGRZ 20 EP	097
		F2504S	052	SL10AD	073	OGRZ 20 PE	097
		F5LW	052	SL10AH & SL10RAH	073	OGRZ 20 PU	098
		F5LWR	052	SL10AEG	074	OGRZ 20 R	098
		F5LA	053	SL10AEG	074	OGRZ 20 A	098
		F5LB	053	SL15AJ & SL15RAJ	074	OGRZ 20 PE CSI	099
		F5LC	053	SL15AJL & SL15RAJL	075	OGRZ 20 PU CS I	099
		F5LD	054	SL15AJT & SL15RAJT	075	OGRZ 20 R CS I	099
		FD5LT	054	SL15AE	075	OGRZ 20 S CS I	100
		F5AML	054	SL15AH	076	OGRZ 20 SL	100
		F5AMR	055	SL15RAH	076	OGRZ 20 S	100
		F5LWD	055	SL25AJ & SL25RAJ	076	OGRZ 20 Z CS I	101
		F5CTL	055	SL25AJL & SL25RAJL	077	OGRZ 20 Z	101
		F5CTLG	056	SL25AE	077	ODD 20 R CS I	103
		F9P	056	NLM-10	079	ODD 20 S CS I	103
		F9PB	056	NLM-20	079	ODD 20 S	103
		F9PC	057	NLM-30	080	ODD 20 A	104
		F9AMR	057	NLMS-10	080	ODD 20 PU CS I	104
		F9AML	057	NLMS-20	081	ODD 20 PU MS I	104
		F9ATG	058	NLMS-30	081	ODD 20 PU	105
		F9LTC	058			ODD 20 R MS I	105
		F9LTD	058			ODD 20 R	105
		FD9P	059			ODD 20 S MS I	106
		F9PS	059			OGRA 12 PU	108
		F9CT	059			OGRA 12 R	108
		F9CTL	060			OGRA 12 R CSI	108
		F9LW	060			OGRA 12 S	109
		F9LWR	060			OGRA 12 S MI	109
		SL-10BC	063			OGRA 12 SL	109
		SL-10RC	063			OGRA 12 SM	110
		SL-10LC	064				
		SL-10BCR	064				
		SL-10RCR	065				
		SL-10LCR	065				

智慧型氣剪

Smart gas shear

Smart gas shear		Smart gas shear		Smart gas shear		Smart gas shear	
	页数/page		页数/page		页数/page		页数/page
NY10AJ&NY10RAJ	032						
NY10AJL&NY10RAJL	032						
NY10AE	032						
NY10AJT&NY10RAJT	033						
NY10AD&NY10RAD	033						
NY10AH & NY10RAH	033						
NY10AEG	034						
NY10AEG	034						
NY15AJ&NY15RAJ	034						
NY15AJL&NY15RAJL	035						
NY15AJT & NY15RAJT	035						
NY15AE	035						
NY15AH	036						
NY15RAH	036						
NY25AJ & NY25RAJ	036						
NY25AJL & NY25RAJL	037						
NY25AE	037						
NF-205DT	039						
NF-205FT	039						
NF-210DT	040						
NF-210FT	040						
NF-220DT	041						
NF-220FT	041						
NF-230DT	042						
NF-230FT	042						
SG-10DA	044						
SG-20DA	044						
SG-30DA	045						
F1	046						
F1S	046						

加熱剪系列

OP Series

OP-20AT	083
OP-30AT	083
OP-50AT	083

水口夾

Gripper series

OGRZ 12 A	087
OGRZ 12 AE	087
OGRZ 12 PU MS I	087
OGRZ 12 PU	088
OGRZ 12 R MS I	088
OGRZ 12 R	088
OGRZ 12 S	089
OGRZ 12 S MI	089
OGRZ 12 SL	089
OGRZ 12 SM	110
老虎夾 Tiger clip	
OZ32R-01	111

≡ 編號索引

≡ 編號索引

編號索引 Number index

● 編號索引 Number index

		三指定心機械夾爪 3-jaw concentric grippers			
	頁數/page		頁數/page		頁數/page
OZ32R	112	OHN-40A	158	CF-12DL02	184
OZ32R-20	112	OHN-50A	160	CF-14DC01	184
OZ32R-35	112	OHN-64A	162	CF-14DC02	184
兩指平行夾 Parallel clip		OHN-80A	164	CF-14DL01	184
OGS-06A	115	OHN-100A	166	CF-14DL02	184
OGS-06D	115	OHN-125A	168	CF-16DC01	184
OGS-10	116	OHN-135A	170	CF-16DC02	184
OGS-16	116	OHN-160A	172	CF-16DL01	184
OGS-20	117	OHN-200A	174	CF-16DL02	184
180度開閉夾爪 180 degree open and close gripper		OHN-240A	176	CF-18DC01	184
OGX-10S	119	OHN-300A	178	CF-18DC02	184
OGX-16S	119	OHN-380A	180	CF-18DL01	184
OGX-20S	120	氣球夾 Balloon clip		CF-18DL02	184
迷你氣缸 Mini cylinders		CF08-01	183	CF-22DC01	184
OFC14-10	121	CF08-02	183	CF-22DC02	184
OFC20-20	121	CF10-01	183	CF-22DL01	184
OFC30-30	121	CF10-02	183	CF-22DL02	184
OFC14-10	122	CF10-02	183	CF-27DC01	184
OFC20-20	122	CF12-01	183	CF-27DC02	184
OFC30-30	122	CF12-02	183	CF-27DL01	184
OSS203M-PNP	122	CF14-01	183	CF-27DL02	184
OSS203M-NPN	122	CF14-02	183	CF-33DC01	184
OSG203M-PNP	122	CF16-01	183	CF-33DC02	184
OSG203M-NPN	122	CF16-02	183	CF-33DL01	184
二指平行機械夾爪 2-jaw parallel grippers		CF18-01	183	CF-33DL02	184
OWN-40A	128	CF18-02	183	CF-08UC01	185
OWN-50A	130	CF22-01	183	CF-08UC02	185
OWN-64A	132	CF22-02	183	CF-08UL01	185
OWN-80A	134	CF27-01	183	CF-08UL02	185
OWN-100A	136	CF27-02	183	CF-10UC01	185
OWN-110A	138	CF33-01	183	CF-10UC02	185
OWN-125A	140	CF33-02	183	CF-10UL01	185
OWN-160A	142	CFC10	183	CF-10UL02	185
OWN-200A	144	CFC12	183	CF-12UC01	185
OWN-220A	146	CFC14	183	CF-12UC02	185
OWN-240A	148	CFC18	183	CF-12UL01	185
OWN-300A	150	CFC22	183	CF-12UL02	185
OWN-380A	152	CFC27	183	CF-14UC01	185
		CF-08DC01	184	CF-14UC02	185
		CF-08DC02	184	CF-14UL01	185
		CF-08DL01	184	CF-14UL02	185
		CF-08DL02	184	CF-16UC01	185
		CF-10DC01	184	CF-16UC02	185
		CF-10DC02	184	CF-16UL01	185
		CF-10DL01	184	CF-16UL02	185
		CF-10DL02	184	CF-18UC01	185
		CF-12DC01	184	CF-18UC02	185
		CF-12DC02	184	CF-18UL01	185
		CF-12DL01	184	CF-18UL02	185
				CF-27UC01	185
				CF-27UC02	185
				CF-27UL01	185
				CF-27UL02	185
				CF-33UC01	185
				CF-33UC02	185
				CF-33UL01	185
				CF-33UL02	185
				彈性模塊 One finger elastic module	
				RFD20	187
				氣動撥指 Pneumatic finger	
				OFT14-35	190
				OFT20-35	190
				OFT30-35	190
				OFT50-35	190
				OFT20-35S	190
				OFT30-35S	190
				OFT50-35S	190
				OFF14-90	191
				OFF20-90	191
				OFF30-90	191
				OFF20-90S	191
				OFF30-90S	191
				OFF008-95	192
				OFF010-95	192
				OFF014-95	192
				OFF020-95	192
				OFF030-95	192
				OFF050-95	192
				OFF030-95S	192
				OFF050-95S	192
				OFF014-95G	193
				OFF020-95G	193
				OFF020-95GS	193
				OFF030-95G	193
				OFF030-95GS	193
				OFF050-95G	193
				OFF050-95GS	193
				單指斜口氣動夾具 One finger angular pneumatic grippers for damping	
				RFP20V-N/S	194
				RFP20S-N/S	194
				RFP20N-N/S	194
				單指斜口氣動夾具 One finger angular pneumatic grippers for damping	
				RFP20P-N/S	194
				RFP21V-N/S	195
				RFP21S-N/S	195
				RFP21N-N/S	195
				RFP21P-N/S	195
				單指垂直操作的氣動夾具 One finger, perpendicular acting, pneumatic grippers for damping	
				CFX14-06	196
				CFX20-10	196
				CFX30-15	196
				CFX50-20	196
				OGR針式夾爪 OGR pin jaws	
				OGR 12	198
				OGR 42	199
				OGR 15	200
				OGR 25	201
				OGR 28	201
				通用懸件 Universal suspensions	
				OMK14	202
				OMK20	202
				OMK30	202
				真空行程氣缸 Vacuum stroke cylinder	
				OFL2010	204
				OFL3015	204
				OFL3030	204
				彎臂 Elbow arms	
				OAC05F05F	206
				OAC18F18F	206
				OAC14F14F	206
				真空吸盤 Vacuum cups	
				SVN-1F15-M5	213
				SVN-1F15-18MG	213
				SVN-1F20-M5	213
				SVN-1F20-18MG	213
				SVN-1F30-18M	213
				SVN-1F40-18F	213
				SVN-1F40-18MG	213
				SVN-1F50-18FG	213
				SVN-1F50-18MG	213
				SVN-1F30-18FG	213
				SVN-1F30-18M	213
				SVN-1F30-18MG	213
				SVN-1F40-18F	213
				SVN-1F40-18MG	213
				SVN-1F50-18FG	213
				SVN-1F50-18MG	213
				SVN-1F75-18MG	213
				SVN-1F75-38MG	213
				SVN-1F110-38MG	213
				SVN-1F150-38MG	213
				SVS-1F50-18FG	217
				SVS-1F50-18MG	217
				SVS-1F75-18MG	217
				SVS-1F75-38MG	217
				SVS-1F110-38MG	217
				SVS-1F150-38MG	217
				SVS-1F200-38MG	217
				SVS-1F250-38MG	217
				SVS-2B05-M5	218
				SVS-2B06-M5	218
				SVS-2B08-M5	218
				SVS-2B10-M5	218
				SVS-2B12-M5	218
				SVS-2B15-M5	218
				SVS-2B15-18MG	218
				SVS-2B20-M5	218
				SVS-2B20-18MG	218
				SVS-2B30-18MG	218
				SVS-2B30-18FG	218
				SVS-2B40-18MG	218
				SVS-2B40-18FG	218
				SVS-2B50-18MG	218
				SVS-2B50-18FG	218
				SVS-2B75-18FG	218
				SVS-2B75-38FG	218
				SVS-2B110-38FG	218
				SVS-2B110-38MG	218
				SVS-2B50-18FG	218
				SVS-2B75-18FG	218
				SVS-2B75-38FG	218
				SVS-3C05-M5	219
				SVS-3C09-M5	219
				SVS-3C14-18MG	219
				SVS-3C18-18MG	219
				SVS-3C20-18MG	219
				SVS-3C33-18MG	219
				SVS-3C43-18MG	219
				SVS-3C53-18MG	219
				SVS-3C63-18MG	219
				SVLH-1F15-M5	221
				SVLH-1F15-18MG	221
				SVLH-1F20-M5	221
				SVLH-1F20-18MG	221
				SVLH-1F25-18MG	221
				SVLH-1F30-18FG	221
				SVLH-1F30-18M	221
				SVLH-1F40-18F	221
				SVLH-1F40-18MG	221
				SVLH-1F50-18FG	221
				SVLH-1F50-18MG	221
				SVLH-1F75-18MG	221
				SVLH-1F75-38MG	221
				SVLH-1F110-38MG	221
				SVLH-1F150-38MG	221
				SVLH-1F200-38MG	221
				SVLH-1F250-38MG	221
				SVLH-2B05-M5	222
				SVLH-2B06-M5	222
				SVLH-2B08-M5	222
				SVLH-2B10-M5	222
				SVLH-2B12-M5	222
				SVLH-2B15-M5	222
				SVLH-2B15-18MG	222
				SVLH-2B20-M5	222
				SVLH-2B20-18MG	222
				SVLH-2B30-18MG	222
				SVLH-2B30-18FG	222
				SVLH-2B40-18MG	222
				SVLH-2B40-18FG	222
				SVLH-2B50-18MG	222
				SVLH-2B50-18FG	222
				SVLH-2B75-18FG	222
				SVLH-2B75-38FG	222
				SVLH-2B110-38FG	222
				SVLH-2B110-38MG	222
				SVLH-3C05-M5	223
				SVL	

≡ 編號索引

≡ 編號索引

● 編號索引 | Number index

伸縮杆 Telescopic rod series		機器人打磨拋光工具(浮動·軌道式) Robot grinding and polishing tools(floating,orbital)		頁數/page		頁數/page	
OSR1010	236	OPT-508FD	247	PTS01-10P-B	276	OX-LB	318
OSR1025	236	OPT-505FD	247	OQC-015	278	OX-LBDI	320
OSR1420	236	OPT-522FD	247	OQC-020	280	PTX02-9P-A	322
OSR1435	236	OPT-513FD	247	OQC-021	282	PTX02-9P-B	322
OSR2025	236	OPT-515FD	247	OQC-027	284	PTX01-9P-A	322
OSR2050	236	OPT-527NFD	248	OQC-040	286	PTX01-9P-B	322
OSRT1010	237	OPT-552FD	248	PTL02-12P-A	289		
OSRT1025	237	OPT-553FD	248	PTL02-19P-B	289	手動快換 Manual Quick change	
OSRT1420	237	OPT-562FD	249	PTL02-12P-A	289	OC50	324
OSRT1435	237	OPT-563FD	249	PTLZ02-12P-B	289	OC90	326
OSRT2025	237	OPT-308	251	PTLZ01-19P-A	289	OC150	328
OSRT2050	237	OPT-305	251	PTLZ01-19P-B	289	OC160	330
OSN1010	238	OPT-322	251	OQC-042	290	OC200	333
OSN1025	238	OPT-315	252	OQC-060	292	PTCO2-9P-A	333
OSN1420	238	OPT-313	252	OQC-076	294	PTCO2-9P-B	333
OSN1435	238	OPT-327	252	OQC-110	296	PTXZ01-9P-A	333
OSN2025	238	OPT-105	254	OQC-160	298	PTXZ01-9P-B	333
OSN2050	238	OPT-108	254	PTTL/R20-8P-A	303		
OSNT1010	239	OPT-113	254	PTTL/R20-8P-B	303	機械手專用快換盤 Quick change plate for manipulator	
OSNT1025	239	OPT-122	255	PTTL/R05-19P-A	303	OCX-92	334
OSNT1420	239	OPT-127N	255	PTTL/R05-19P-B	303		
OSNT1435	239	OPT-152	255	PTTL/R05-23P-A	303	EOAT型材夾具 EOAT profile fixture	
OSNT2025	239	OPT-153	256	PTTL/R05-23P-B	303	OFI-A102	336
OSNT2050	239	OPT-252	256	PTLZ20-8P-A	303	OFI-A103	336
OSS2025	240	OPT-253	256	PTLZ20-8P-B	303	OFI-A277	337
OSS2050	240			PTLZ01-19P-A	303	OFI-A276	338
OSD1420D10	241	浮動打磨機 Floating sander		PTLZ01-19P-B	303	OFI-A313	339
OSD2025D10	241	OP170	257	PTLZ01-23P-A	303	OFI-A328	339
OSD2025D20	241	OP350	257	PTLZ01-23P-B	303	OGG19-A	340
OSDT1420D10	242	OP307	258	OQC-501	304	OGG21-A	340
OSDT2025D10	242	OP308	258	PTM20-8P-A	307	OGG30-A	340
OSDT2025D20	242	ORC-660	259	PTM20-8P-B	307	OGG19-B	340
OSE1010F05	243	ORC-750	260	PTM05-19P-A	307	OGG21-B	340
OSE1025F05	243	OR-2501	261	PTM05-19P-B	307	OGG30-B	340
OSE1420F18	243	ONB-2050	262	PTM05-23P-A	307	OGJ20-B	341
OSE1435F18	243			PTM05-23P-B	307	OGJ30-A	341
OSE2025F18	243	協作機器人快換 Collaborative robot quick change		PTLZ20-8P-A	307	OGJ20-A	341
OSE2025F14	243	OQE020	260	PTLZ20-8P-B	307	M5*12	350
OSE2050F18	243	OQE030	263	PTLZ01-19P-A	307	M5*14	350
OSE2050F14	243	PTE01-9P-A	265	PTLZ01-19P-B	307	M5*15	350
OSET1010F05	244	PTE01-9P-B	265	PTLZ01-23P-A	307	M5*16	350
OSET1025F05	244	PTEZ01-9P-A	265	PTLZ01-23P-B	307	M5*18	350
OSET1420F18	244			機械手治具快換 Manipulator Gripper quick change		M5*20	350
OSET1435F18	244	工業機器人快換 Industrial robot quick change		OX-SBS	310	M5*22	350
OSET2025F18	244	OQC-005	272	OX-SB	310	M5*24	350
OSET2025F14	244	OQC-011	274	OX-SBDI	314	M5*25	350
OSET2050F18	244	PTS01-10P-A	276	OX-XB	316		
OSET2050F14	244						

● 編號索引 | Number index

EOAT型材夾具 EOAT profile fixture		EOAT型材及固定件 EOAT Profiles and fixtures		頁數/page		頁數/page	
XC-2525-1000	343	M5*26	350	OFI-A33	359	OFI-A105	368
XC-2525-2000	343	M5*28	350	OFI-A239	359	OFI-A106	368
XC-5025-1000	343	M5*30	350	OFM-A122	359	OFI-A107	368
XC-5025-2000	343	M5*35	350	OFI-1014	359	OFI-A266	368
XC-4040-1000	343	M5*38	350	OFI-1020	359	OFI-A267	368
XC-4040-2000	343	M5*40	350	OFI-1420	359	OFI-A108	368
XC-8040-1000	343	M5*50	350	OFI-1425	359	OFI-A109	368
XC-8040-2000	343	M5*60	350	OFI-2025	359	OFI-A210	368
		M6*10	350	OFI-2030	359	OFI-A211	368
		M6*12	350	OFI-2530	359	OFI-A110	368
		M6*16	350	OFI-2540	359	OFI-A111	368
		M6*18	350	OFI-3040	359	OFI-A112	368
		M8*22	350	OFI-1010	360	OFI-A113	368
OFI-A232	344	OFI-177	351	OFI-1414	360	OFI-A268	368
OFI-A233	344	OFI-025	351	OFI-2020	360	OFI-A269	368
OFI-A234	345	OFI-178	351	OFI-2525	360	OFI-A114	368
OFI-A229	345	OFI-003	351	OFI-3030	360	OFI-A115	368
OFI-A230	345	OFI-006	351	OFI-4040	360	OFI-A116	369
OFI-A231	346	OFI-009	351	OFI-A37	361	OFI-A117	369
OFI-A226	346	OFI-148	351	OFI-A38	361	OFI-A118	369
OFI-A227	346	OFI-016	351	OFI-A39	361	OFI-A119	369
OFI-A228	347	OFI-027	351	OFI-A178	361	OFI-A120	369
OFI-A222	347	OFI-055	351	OFI-A01	362	OFI-A181	369
OFI-A223	347	OFI-050	351	OFI-A270	362	OFI-A182	369
OFI-A224	348	OFI-029	351	OFI-A02	362	OFI-A121	369
OFI-A221	349	OFI-020	351	OFI-A204	362	OFI-A122	369
OFI-A225	350	OFI-043	351	OFI-A03	362	OFI-A123	369
M3*9	350	OFI-022	351	OFI-A04	363	OFI-A124	369
M3*8	350	OFI-045	351	OFI-A05	363	OFI-A125	369
M3*15	350	OFI-A140	352	OFI-A06	363	OFI-A183	369
M4*10	350	OFI-A141	352	OFI-A07	363	OFI-A184	369
M4*12	350	OFI-A244	353	OFI-A08	363	OFI-A158A	370
M4*14	350	OFI-A16	353	OFI-A207	364	OFI-A158B	370
M4*16	350	OFI-A351	353	OFI-A209	364	OFI-A158C	370
M4*20	350	OFI-A17	353	OFI-A205	364	OFI-A157A	370
M4*22	350	OFI-A18	353	OFI-A206	365	OFI-A157B	370
M4*25	350	OFI-A19	353	OFI-A348	365	OFI-A157C	370
M4*26	350	OFI-A20	353	OFI-A349	365	OFI-A157D	370
M4*28	350	OFI-A217	354	OFI-A350	365	OFI-A94A	370
M4*30	350	OFI-A218	354	OFI-A250	366	OFI-A94B	370
M4*36	350	OFI-A219	355	OFI-A251	366	OFI-A94C	370
M5*10	350	OFI-A220	355	OFI-A252	366	OFI-A94D	370
M5*12	350	OFI-A175	356	OFI-A253	366	OFI-A164	370
M5*14	350	OFI-A675	356	OFI-A09	367	OFI-A165	370
M5*15	350	OFI-A11	356	OFI-A10	367	OFI-A166	370
M5*16	350	OFI-A12	356	OFI-A36	367	OFI-A93	371
M5*18	350	OFI-A13	356	OFI-A34	367	OFI-A94	371
M5*20	350	OFI-A29	356	OFI-A35	367	OFI-A95	371
M5*22	350	OFI-A30	356	OFI-A104	368	OFI-A203	371
M5*24	350	OFI-A31	356				
M5*25	350	OFI-A32	356				

≡ 編號索引

≡ 編號索引

● 編號索引 Number index

接頭系列 Connector series		接頭系列 Connector series		接頭系列 Connector series		接頭系列 Connector series	
	頁數/page		頁數/page		頁數/page		頁數/page
TF30	429	OST203M-PNP	441	ORL18XCF05ATC	450	ORL6.5QBF15DP0	455
TF40	429	OST203M-NPN	441	ORL18XCF05AT0-E2	450	ORL6.5QBF15DPC	455
TH20	429	OSG205M-PNP	441	ORL18XCF05ATC-E2	450	ORL6.5QBF15DNO-E1	455
TH30	429	OSG205M-NPN	441	ORL18XCN08AT0	450	ORL6.5QBF15DNC-E1	455
TH40	429	INS5-NPN	442	ORL18XCN08ATC	450	ORL6.5QBF15DPO-E1	455
TP20	429	INS5-PNP	442	ORL18XCN08AT0-E2	450	ORL6.5QBF15DPC-E1	455
TP30	429	INS8-NPN	442	ORL18XCN08ATC-E2	450	ORL08BF15DN0	455
TP40	429	INS8-PNP	442	ORL30XCF10AT0	451	ORL08BF15DNC	455
TP60	429	ORL6.5QBF15DLO	445	ORL30XCF10ATC	451	ORL08BF15DPO	455
TP80	429	ORL6.5QBF15DLC	445	ORL30XCF10AT0-E2	451	ORL08BF15DPC	455
OPT04X2.5B	430	ORL6.5QBF15DLO-E1	445	ORL30XCF10ATC-E2	451	ORL08BF15DN0-E1	455
OPT04X2.5BL	430	ORL6.5QBF15DLC-E1	445	ORL30XCN15AT0	451	ORL08BF15DNC-E1	455
OPT04X2.5GR	430	ORL08QBF15DLO	445	ORL30XCN15ATC	451	ORL08BF15DPO-E1	455
OPT04X2.5OR	430	ORL08QBF15DLC	445	ORL30XCN15AT0-E2	451	ORL08BF15DPC-E1	455
OPT04X2.5SI	430	ORL08QBF15DLO-E1	445	ORL30XCN15ATC-E2	451	ORL12XBF02DN0	456
OPT04X2.5YE	430	ORL08QBF15DLC-E1	445	ORL18XCF05SB0	452	ORL12XBF02DNC	456
OPT06X4B	430	ORL12XBF02DLO	446	ORL18XCF05SBC	452	ORL12XBF02DNR	456
OPT06X4BL	430	ORL12XBF02DLC	446	ORL18XCF05SB0-E2	452	ORL12XBF02DPO	456
OPT06X4GR	430	ORL12XBF02DLO-E2	446	ORL18XCF05SBC-E2	452	ORL12XBF02DPC	456
OPT06X4OR	430	ORL12XBF02DLC-E2	446	ORL18XCN08SBO	452	ORL12XBF02DPR	456
OPT06X4SI	430	ORL12XBN04DLO	447	ORL18XCN08SBC	452	ORL12XBF02DN0-E2	456
OPT06X4YE	430	ORL12XBN04DLC	447	ORL18XCN08SBO-E2	452	ORL12XBF02DNC-E2	456
OPT08X6B	430	ORL12XBN04DLO-E2	447	ORL18XCN08SBC-E2	452	ORL12XBF02DNR-E2	456
OPT08X6BL	430	ORL12XBN04DLC-E2	447	ORL30XCF10SB0	453	ORL12XBF02DPO-E2	456
OPT08X6SI	430	ORL18XBF05DLO	447	ORL30XCF10SBC	453	ORL12XBF02DPC-E2	456
OPT08X6YE	430	ORL18XBF05DLC	447	ORL30XCF10SB0-E2	453	ORL12XBF02DPR-E2	456
		ORL18XBF05DLO-E2	447	ORL30XCF10SBC-E2	453	ORL12XBN04DN0	456
		ORL18XBF05DLC-E2	447	ORL30XCN15SBO	453	ORL12XBN04DNC	456
		ORL18XBN08DLO	447	ORL30XCN15SBC	453	ORL12XBN04DNR	456
		ORL18XBN08DLC	447	ORL30XCN15SBO-E2	453	ORL12XBN04DPO	456
		ORL18XBN05DLO-E2	447	ORL30XCN15SBC-E2	453	ORL12XBN04DPC	456
		ORL18XBN05DLC-E2	447	ORL04QAF08DN0	454	ORL12XBN04DPR	456
		ORL12XBF02DLO	448	ORL04QAF08DNC	454	ORL12XBN04DN0-E2	456
		ORL12XBF02DLC	448	ORL04QAF08DPO	454	ORL12XBN04DNC-E2	456
		ORL12XBF02DLO-E2	448	ORL04QAF08DPC	454	ORL12XBN04DNR-E2	456
		ORL12XBF02DLC-E2	448	ORL04QAF08DNO-E1	454	ORL12XBN04DPO-E2	456
		ORL12XBN04DLO	448	ORL04QAF08DNC-E1	454	ORL12XBN04DPC-E2	456
		ORL12XBN04DLC	448	ORL04QAF08DPO-E1	454	ORL12XBN04DPR-E2	456
		ORL12XBN04DLO-E2	448	ORL04QAF08DPC-E1	454	ORL18XBF05DN0	457
		ORL12XBN04DLC-E2	448	ORL05AF08DN0	454	ORL18XBF05DNC	457
		ORL12XCF02ATO	449	ORL05AF08DNC	454	ORL18XBF05DNR	457
		ORL12XCF02ATC	449	ORL05AF08DPO	454	ORL18XBF05DPO	457
		ORL12XCF02ATO-E2	449	ORL05AF08DPC	454	ORL18XBF05DPC	457
		ORL12XCF02ATC-E2	449	ORL05AF08DN0-E1	454	ORL18XBF05DPR	457
		ORL12XCN04ATO	449	ORL05AF08DNC-E1	454	ORL18XBF05DN0-E1	457
		ORL12XCN04ATC	449	ORL05AF08DPO-E1	454	ORL18XBF05DNC-E1	457
		ORL12XCN04ATO-E2	449	ORL05AF08DPC-E1	454	ORL18XBF05DNR-E1	457
		ORL12XCN04ATC-E2	449	ORL6.5QBF15DN0	455	ORL18XBF05DPO-E1	457
		ORL18XCF05ATO	441	ORL6.5QBF15DNC	455	ORL18XBF02DPC-E1	457

● 編號索引 Number index

電感線 Sensing line		電感線 Sensing line	
	頁數/page		頁數/page
ORL18XBF05DPR-E1	457	OEL82VF15DN0-E1	459
ORL18XBN08DNO	457	OEL82VF15DNC-E1	459
ORL18XBN08DNC	457	OEL82VF15DPO-E1	459
ORL18XBN08DNR	457	OEL82VF15DPC-E1	459
ORL18XBN08DPO	457	OEL83VF15DN0	460
ORL18XBN08DPC	457	OEL83VF15DNC	460
ORL18XBN08DPR	457	OEL83VF15DPO	460
ORL18XBN08DNO-E1	457	OEL83VF15DPC	460
ORL18XBN08DNC-E1	457	OEL83VF15DN0-E1	460
ORL18XBN08DNR-E1	457	OEL83VF15DNC-E1	460
ORL18XBN08DPO-E1	457	OEL83VF15DPO-E1	460
ORL18XBN08DPC-E1	457	OEL83VF15DPC-E1	460
ORL18XBN08DPR-E1	457	OEL84VF15DN0	460
ORL30XBF10DN0	458	OEL84VF15DNC	460
ORL30XBF10DNC	458	OEL84VF15DPO	460
ORL30XBF10DNR	458	OEL84VF15DPC	460
ORL30XBF10DPO	458	OEL84VF15DN0-E1	460
ORL30XBF10DPC	458	OEL84VF15DNC-E1	460
ORL30XBF10DPR	458	OEL84VF15DPO-E1	460
ORL30XBF10DN0-E1	458	OEL84VF15DPC-E1	460
ORL30XBF10DNC-E1	458	OEL08SN25DN0	461
ORL30XBF10DNR-E1	458	OEL08SN25DNC	461
ORL30XBF10DPO-E1	458	OEL08SN25DPO	461
ORL30XBF10DPC-E1	458	OEL08SN25DPC	461
ORL30XBF10DPR-E1	458	OEL08XSN25DN0	461
ORL30XBN15DN0	458	OEL08XSN25DNC	461
ORL30XBN15DNC	458	OEL08XSN25DPO	461
ORL30XBN15DNR	458	OEL08XSN25DPC	461
ORL30XBN15DPO	458	OEL09SN25DN0	461
ORL30XBN15DPC	458	OEL09SN25DNC	461
ORL30XBN15DPR	458	OEL09SN25DPO	461
ORL30XBN15DN0-E1	458	OEL09SN25DPC	461
ORL30XBN15DNC-E1	458	OEL11SN03DN0	461
ORL30XBN15DNR-E1	458	OEL11SN03DNC	461
ORL30XBN15DPO-E1	458	OEL11SN03DPO	461
ORL30XBN15DPC-E1	458	OEL11SN03DPC	461
ORL30XBN15DPR-E1	458		
OEL81VF15DN0	459	T型耦合器 T-coupler	
OEL81VF15DNC	459		
OEL81VF15DPO	459	OFGM80FGM8X2Y	462
OEL81VF15DPC	459	PVC/金色黃銅連接器	463
OEL81VF15DN0-E1	459		
OEL81VF15DNC-E1	459	3D終端產品打印機 3D terminal product printer	
OEL81VF15DPO-E1	459		
OEL81VF15DPC-E1	459	3D終端產品打印機	464
OEL82VF15DN0	459		
OEL82VF15DNC	459		
OEL82VF15DPO	459		
OEL82VF15DPC	459		