



Presetting device
DECO

What is new in pre-setting

In small parts turning, pre-setting is of vital importance to producing manufacturing facilities.

For a long time now, single-spindle DECO lathes have been fitted with an auxiliary pre-setting device.



This system, which is specific to each machine, has to undergo some rather annoying changes when altering the tool pre-setting for one type of DECO machine to another (for example, the DECO 13a to DECO 20a) on the same unit.

Universality

To dispense with this resetting operation, TORNOS has now introduced a new universal pre-setting unit for all DECO machines.

This new device even further simplifies tool pre-setting by way of a single calibration for all the machines (no resetting) and a rapid change of settings for the different machines based on a patented bearing centering system.

This drastically reduces the tool change-over times for the different machines.



Measuring system

A new measuring system has been unveiled to simplify the handling and use of the pre-setting device. This allows you to obtain a direct Y reading and offers the major benefit of eliminating any risks of error during calculation, as it, has been dispensed with. All the operator has to do, is observe the (+) or (-). The on-screen display of the comparator is also a model of simplicity.

This latest pre-setting device is now available and replaces its predecessor. This is a pre-setting device supplied ready for use and does not require any tricky installation.

With this new device, you will be immediately operational.

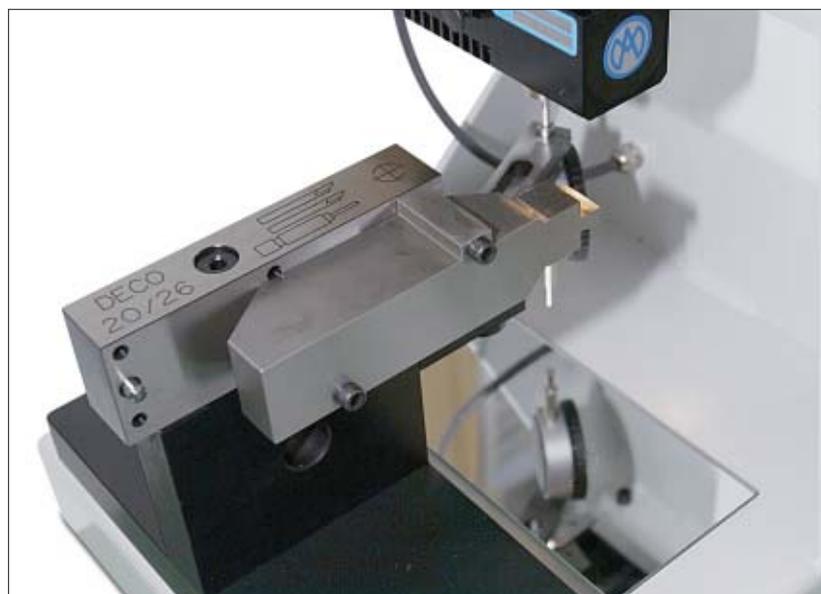
Technical characteristics

Axis travel: X 75 mm
Y 30 mm
Z 60 mm

Precision amongst the various tool holder settings < 0.01 mm

Tool holder fixing system: rapid bearing centering system

Measurement scale: mm or inches





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Advantages

- Simplified set-up
- No calculations
- Direct reading in Y
- Optimised display
- Interchangeable with the different machine types.
- Quick fitting with ball centring
- No gauging
- No boring start-up
- Long strokes :
 $X = 75$
 $Y = 30$
 $Z = 60$
- Available in version [mm] or [Inch]

All these advantages allow a quick acquaintance with the presetting device and a simplification of this important operation.

	DECO 7 / 10		DECO 13		DECO 13b		DECO 20 / 26	
	8 x 8 mm		12 x 12 mm		12 x 12 mm		16 x 16 mm	
	Y	Z	Y	Z	Y	Z	Y	Z
T1	0	-15	2	-25	2	-25	4	-20
T2	0	-15	-2	-25	-2	37	-4	-20
T5			-2	37			4	40
T1			0	-28 / -35	0	-28 / -35	0	-25 / -45
T2	0	-16 / -25	0	-28 / -35			0	-25 / -45
T5			0	28 / 35			0	45
T3	0	-50	0	-180	0	-3	0	-220
T4	0	45	0	80	0	25	0	120

Display of nominal values Y & Z of standard tools [mm]

	DECO 7 / 10		DECO 13		DECO 13b		DECO 20 / 26	
	5/16 x 5/16 inch		1/2 x 1/2 inch		1/2 x 1/2 inch		5/8 x 5/8 inch	
	Y	Z	Y	Z	Y	Z	Y	Z
	$Y = 0^{\circ}$		$Y = 0.0785^{\circ}$		$Y = -0.2360^{\circ}$		$Y = 0.1575^{\circ}$	
T1	-0.002	-0.5905	0.106	-0.9845	0.106	-0.9845	0.153	-0.7875
T2	0.002	-0.5905	-0.106	-0.9845	-0.106	1.4845	-0.153	-0.7875
T5			-0.106	1.484			0.153	1.412
T1			0	-1.102 / -1.378	0	-1.102 / -1.378	0	-0.984 / -1.772
T2	0	-0.630 / -0.984	0	-1.102 / -1.378			0	-0.984 / -1.772
T5			0	1.102 / 1.378			0	1.772
T3	0	-1.969	0	-7.087	0	-0.118	0	-8.661
T4	0	1.772	0	3.150	0	0.984	0	4.724

Display of nominal values Y & Z of standard tools [inch]

Conforms to the European CE/CEM Safety Standards

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