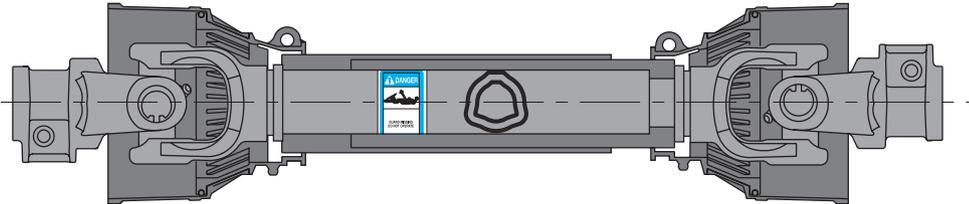


100

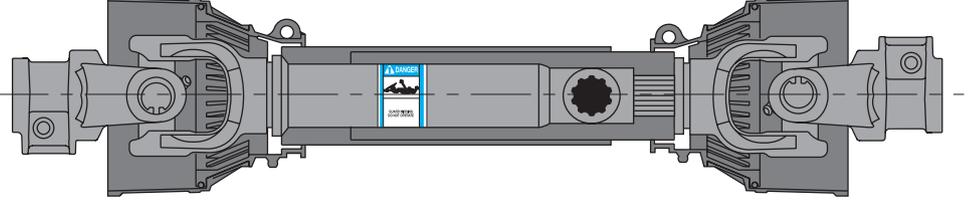


PTO DRIVESHAFTS SERIES 100

100

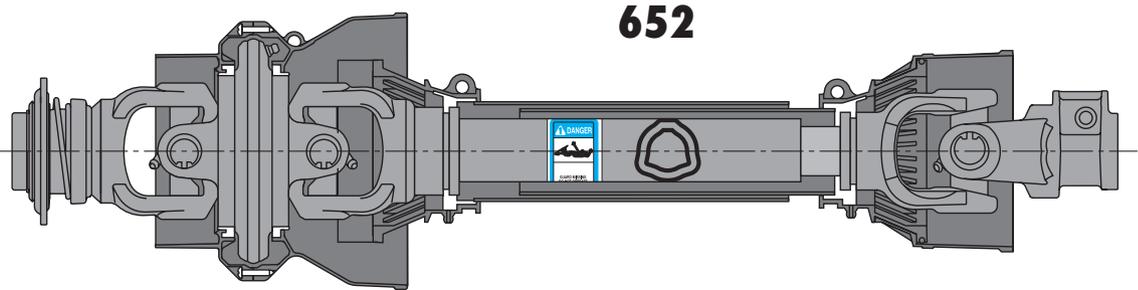


400



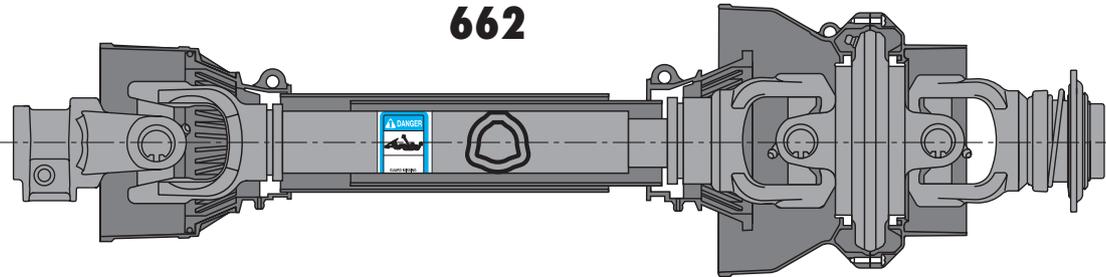
70°

652



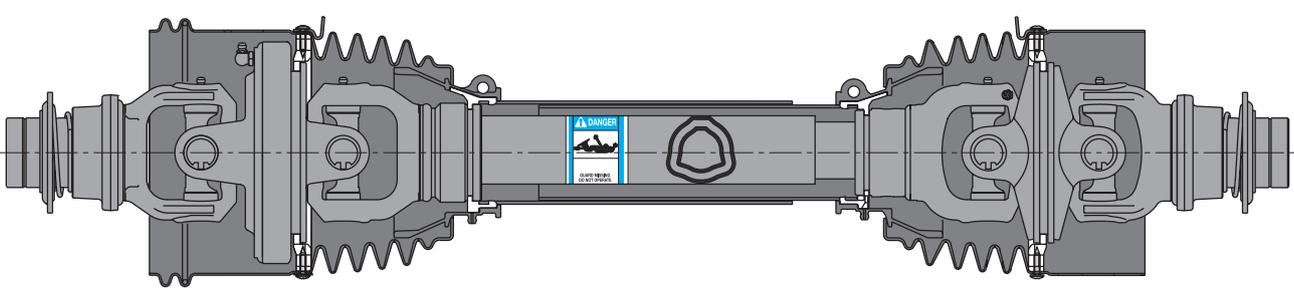
70°

662



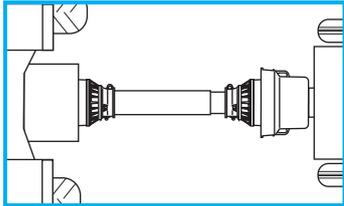
80°

50°

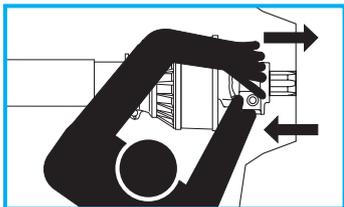




When using the implement and the driveline, do not exceed the speed or power limits specified in the operator's manual. Do not overload the implement or suddenly engage the PTO clutch. Any torque limiter or clutch must be installed on the implement end of the driveline. Use the implement only with the original driveline, which is fit for the purpose in terms of length, dimensions, devices and shields.



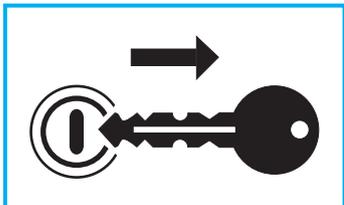
All rotating parts must be shielded. The tractor master shield, the driveline guard, and the implement shield all work together for your safety. Do not operate without all driveline, tractor and implement shields in place. Damaged or missing parts must be repaired with original spare parts or replaced before using the driveline. The driveline must be securely attached at both ends. Guards must turn freely on the driveline.



Ensure that the driveline is securely attached to the tractor and the implement before operating. Check that all fixing screws are tight.



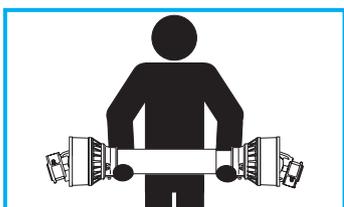
Keep clear of the work area and rotating parts. Do not wear loose clothing, jewelry, or hair that could become entangled with the driveline. Contact with rotating parts can cause serious injury or death.



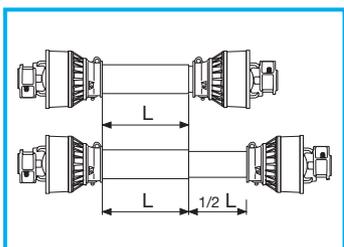
Disengage the PTO, turn off the tractor engine and remove key before approaching the implement or performing maintenance work.



When used at night or in poor visibility, illuminate the driveline operating area.

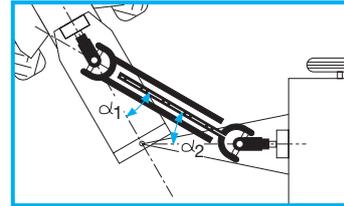


Keep the driveline horizontal during handling to prevent the halves from sliding apart, which could cause injury or damage the shielding. Use suitable means to transport heavy drivelines.



Telescoping tubes must always overlap by at least 1/2 of their length in normal operation and at least 1/3 of their length in all working conditions. During maneuvers, when the driveline is not rotating, the telescoping tubes must have a suitable overlap to maintain the tubes aligned and allow them to slide freely.

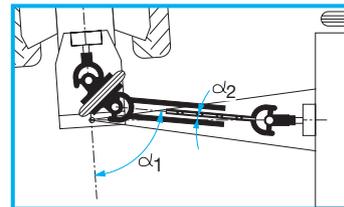
The driveline and its torque limiter or overrunning clutch are designed specifically for the implement, and should be used exclusively for this purpose. Check the implement instruction handbook to ascertain whether the driveline must be equipped with a torque limiting or overrunning clutch. Standard drivelines, torque limiters and overrunning clutches are designed for speeds of up to 1000 rpm.



CARDAN JOINTS

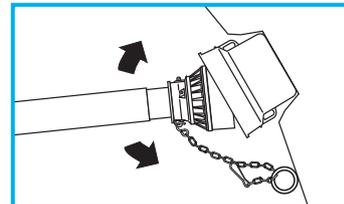
When operating, ensure that joint angles are small and equal: $\alpha_1 = \alpha_2$.

When operating, ensure that joint angles are small and equal: $\alpha_1 = \alpha_2$. During turns or other short duration maneuvers, the maximum recommended joint angle is 45°. Disengage the PTO if the angles are too large or not identical. 1 = α_2 . During turns or other short duration maneuvers, the maximum recommended joint angle is 45°. Disengage the PTO if the angles are too large or not identical.

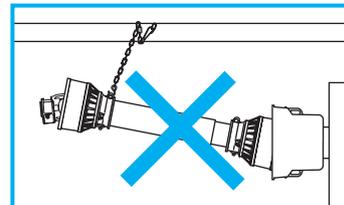


CONSTANT VELOCITY JOINTS

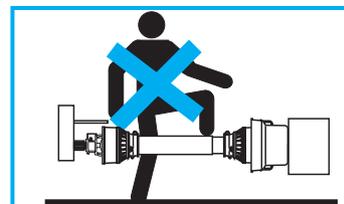
For normal operations, it is best to keep the CV joint aligned or with the smallest joint angle possible. During turns or other short duration maneuvers, the maximum joint angle is 50°, 70° (Constant Velocity Joint 652) or 80° according to the design of the CV joint. When the driveline includes a CV joint on the tractor side and a single U-joint on the implement side, the maximum recommended angles of the U-joint are 16° at 540 rpm and 9° at 1000 rpm to avoid drive irregularities.



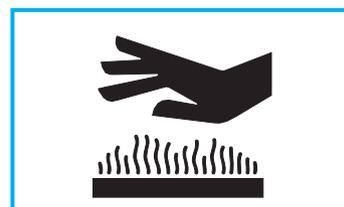
Attach the driveline guard restraints (chains). Best results are achieved when chains are attached nearly perpendicular to the driveline guard. Adjust the length of the chains to allow enough slack for full movement of the driveline during turns, operation, and transport. Avoid excessive slack, which could cause the chains to roll around the driveline.



Never use the safety chains to support the driveline for storage. Always use the support on the implement.

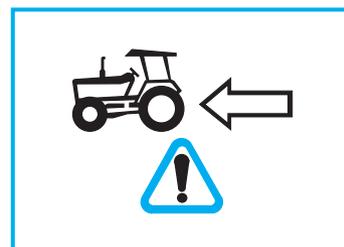


Do not stand on the driveline. Do not step over, or go under the driveline.



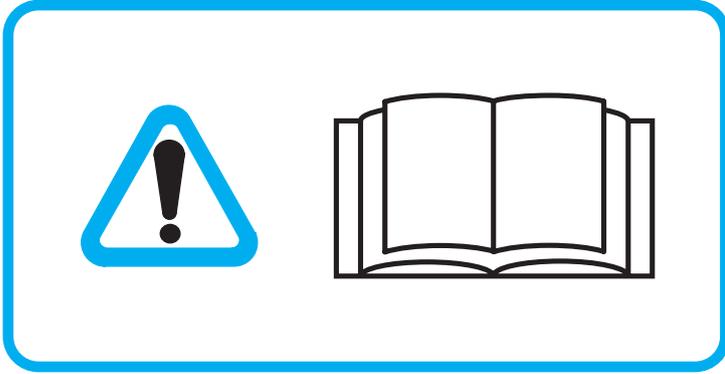
Friction clutches may become hot during use. **Do not touch!**

Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.



The tractor printed on the shield indicates the tractor end of the driveline. Any safety device should be installed on the implement side.

DRIVELINE SAFETY



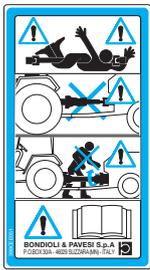
The safety of the end user depends upon proper use and maintenance of the implement, tractor, and driveline, plus all related safety shielding. Information regarding correct driveline usage is included on the safety label and in the use and maintenance manual included with Bondioli & Pavesi drivelines. Safety labels and user's manuals in alternative languages are available to meet local requirements. If drivelines are to be used on machines bound for export, contact Bondioli & Pavesi for labels and manuals. The manufacturer or purchaser must inform Bondioli &

Pavesi when alternative labels or manuals are required. Read the driveline manual, and the operator's manual for the implement, before using the machine. **YOUR SAFETY DEPENDS UPON THIS INFORMATION.**

PRIMARY DRIVELINES FOR EEC-EFTA COUNTRIES

The primary driveline (the one that connects the tractor to the machine) sold in ECC and EFTA countries have the CE mark, safety label code

399CEE051 and 399143000, user manual code 399CEE010 and safety chains.



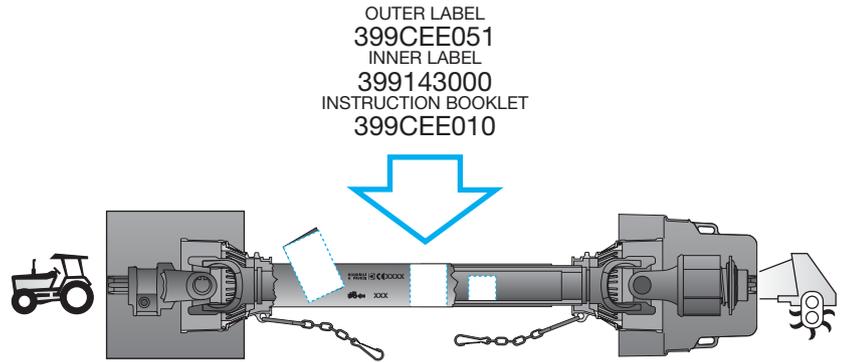
399CEE051



399143000



399CEE010



DRIVELINES FOR NORTH AMERICA (USA, Canada and Mexico)

Drivelines sold in North America (USA, Canada and Mexico) are equipped with safety labels code

399141000 and 399143000 and have the user's manual code 399USA010.



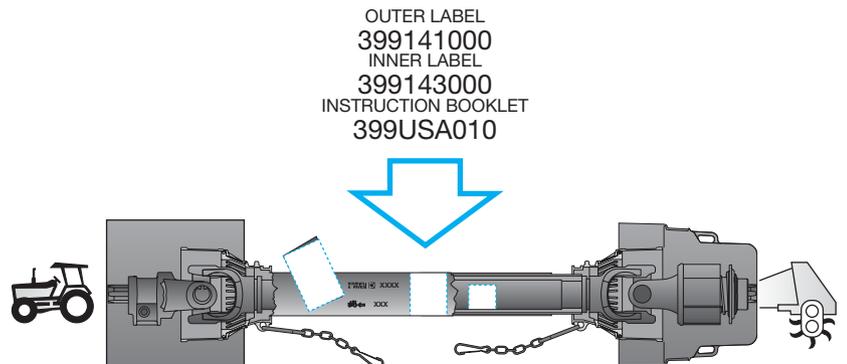
399141000



399143000



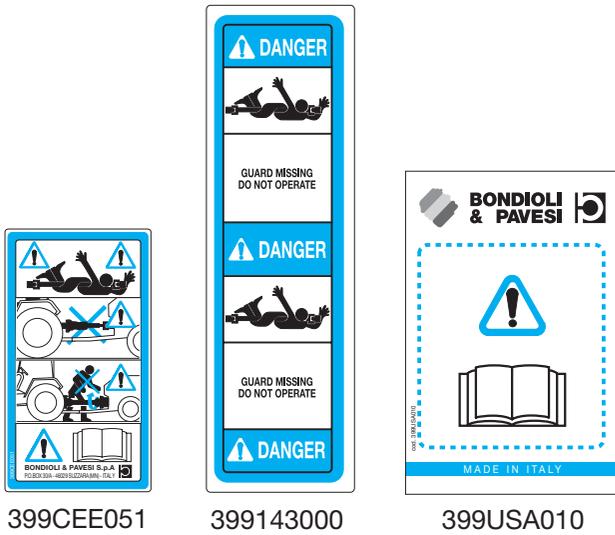
399USA010



NON-PRIMARY DRIVELINES FOR EEC/EFTA COUNTRIES AND DRIVELINES FOR NON-EEC/EFTA COUNTRIES

Drivelines internal to the machine or sold to non-EEC/EFTA countries do not require the CE mark. They are equipped with safety labels code

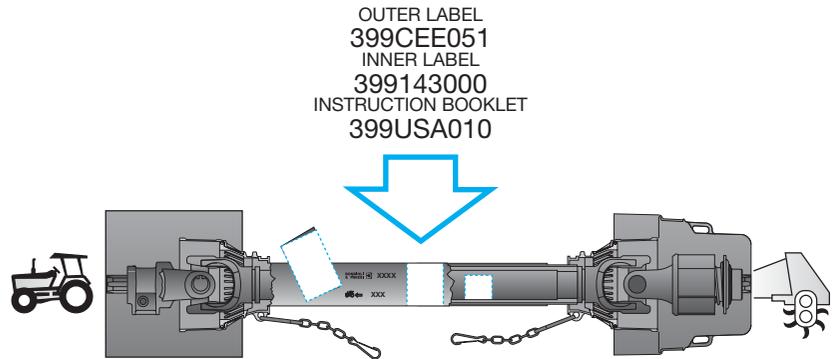
399CEE051 and 399143000, and have the users manual code 399USA010.



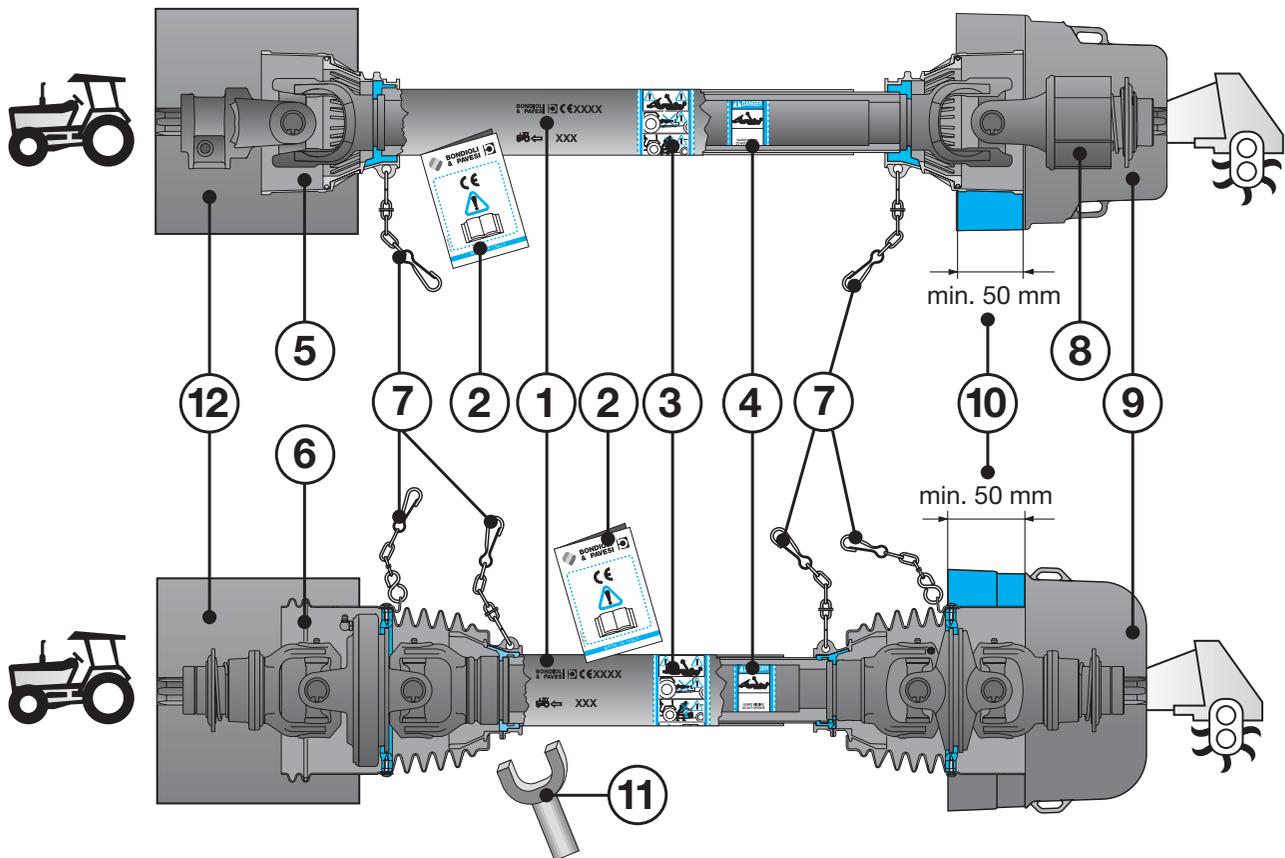
399CEE051

399143000

399USA010



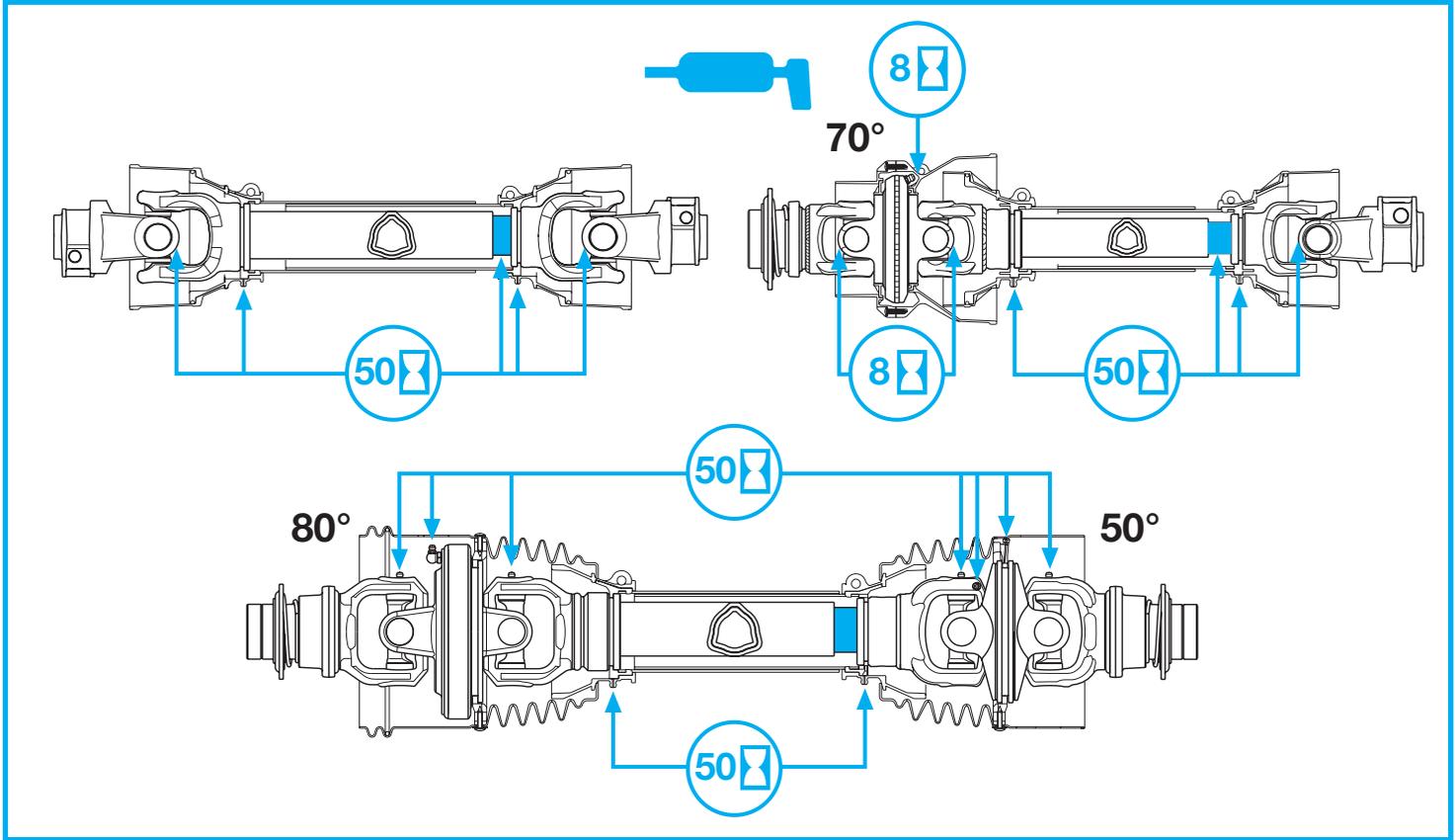
CE - SAFETY FEATURES



- | | | |
|--|--|--|
| <p>1 Driveline identification, CE mark</p> <p>2 Operating instructions, CE-Declaration of Conformity</p> <p>3 Safety label on shield tube</p> <p>4 Safety label on telescoping members</p> | <p>5 Cone length at least to the end of the inboard joint</p> <p>6 Cone length at least to the end of the outer joint</p> <p>7 Safety chains</p> <p>8 Torque limiters or overrunning clutch on the implement side only</p> | <p>9 The implement must provide PIC shielding</p> <p>10 Minimum overlap in straight position</p> <p>11 Support for the PTO drive shaft when the machine is uncoupled</p> <p>12 Tractor master shield</p> |
|--|--|--|

LUBRICATION INTERVALS - HOURS

AFTER ANY MAINTENANCE OR REPAIR, ALWAYS REPLACE ALL GUARDS AND SHIELDS!



Overrunning clutches RA1

Overrunning clutches RA2

Ratchet torque limiters SA

Ratchet torque limiters LN

Shear bolt torque limiters LB

SEASONAL LUBRICATION

Combination friction torque limiter and overrunning clutch

FNT

FNV

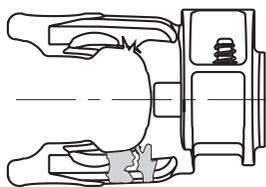
FFNV

TROUBLESHOOTING

WEAR OF YOKE EARS

EXCESSIVE WORKING ANGLE

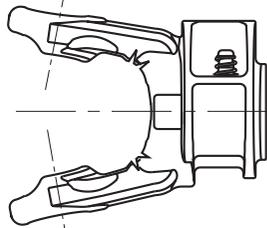
- Reduce working angle.
- Disengage PTO when joint angle exceeds 45°.



DEFORMATION OF YOKE EARS

EXCESSIVE TORQUE PEAK OR SHOCK LOAD

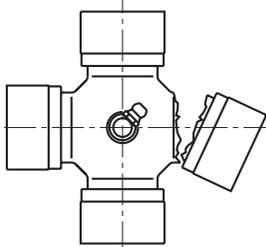
- Avoid overloading and engaging drive under load.
- Check function of torque limiter.



CROSS ARMS BROKEN

EXCESSIVE TORQUE PEAK OR SHOCK LOAD

- Avoid overloading and engaging drive under load.
- Check function of torque limiter.



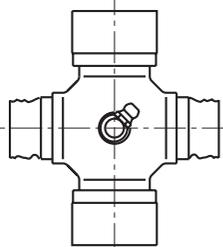
ACCELERATED WEAR OF CROSS ARMS

EXCESSIVE LOAD

- Do not exceed the speed or power limits indicated in the instruction manual.

INSUFFICIENT LUBRICATION

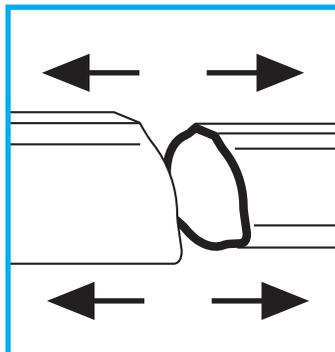
- Follow instructions in chapter "Lubrication and maintenance".



SEPARATION OF TELESCOPING TUBES

EXCESSIVE EXTENSION OF DRIVELINE

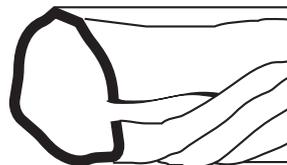
- Avoid excessive extension of driveline.
- For stationary machinery: position the tractor so that the telescoping tubes overlap as illustrated in chapter "Working conditions".
- Check extension of drawbar hitch according to the instruction manual.



DEFORMATION OF TELESCOPING TUBES

EXCESSIVE TORQUE PEAK OR SHOCK LOAD

- Avoid overloading and engaging drive under load.
- Check functioning of torque limiter.
- Check that driveline does not come into contact with tractor or implement components during movement.



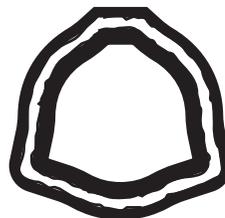
ACCELERATED WEAR OF TELESCOPING TUBES

INSUFFICIENT LUBRICATION

- Follow instructions in chapter "Lubrication Intervals."

INSUFFICIENT TUBE OVERLAP

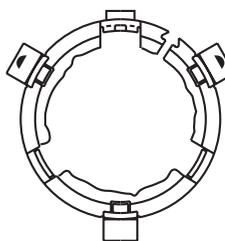
- Follow instruction in chapter "Safety and working conditions."



ACCELERATED WEAR OF SHIELD BEARING

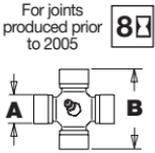
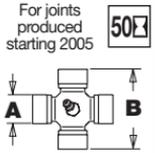
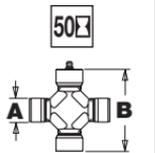
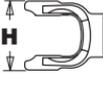
INSUFFICIENT LUBRICATION

- Follow instructions in chapter "Lubrication intervals."





TECHNICAL DATA 100 SERIES

SIZE	Power Rating				2 CARDAN JOINTS	2a CARDAN JOINTS	18 CV JOINTS	100-400 G-DG-GF
	540 min ⁻¹		1000 min ⁻¹		For joints produced prior to 2005	For joints produced starting 2005		
	kW	HP	kW	HP				
1	12	16	18	25	A 22 - B 54	A 22 - B 54	---	63,5
					41201R50	4120B0011R50		
2	15	21	23	31	A 23,8 - B 61,3	A 23,8 - B 61,3	---	70
					41202R30	4120C0011R30		
3	22	30	35	47	A 27 - B 70	---	---	79,5
					41203R25			
43	26	35	40	55	A 27 - B 74,6	A 27 - B 74,6	---	84
					41204R25	4120E0011R25		
4	26	35	40	55	A 27 - B 74,6	A 27 - B 74,6	A 22 - B 86	84
					41204R25	4120E0011R25	4120E0051R40	
5	35	47	54	74	A 30,2 - B 79,4	A 30,2 - B 79,4	---	91
					41205R40	4120G0011R40		
6	47	64	74	100	A 30,2 - B 91,4	A 30,2 - B 91,4	A 27 - B 100	103
					41206R30	4120H0011R30	4120G0051R30	
7	55	75	87	118	A 35 - B 93,5	A 35 - B 93,5	---	106
					41207R24	4120L0011R24		
8	70	95	110	150	A 35 - B 106	A 35 - B 106	A 30,2 - B 106	117
					41208R20	4120M0011R20	4120L0051R20	
9	88	120	140	190	A 41 - B 108	---	---	119
					41209R10			
10	106	145	170	230	A 41 - B 118	---	---	130,5
					41210R10			

SIZE 3, 9, AND 10 DRIVELINES ARE NO LONGER IN PRODUCTION.
ONLY SPARE PARTS FOR THESE SIZES ARE AVAILABLE.

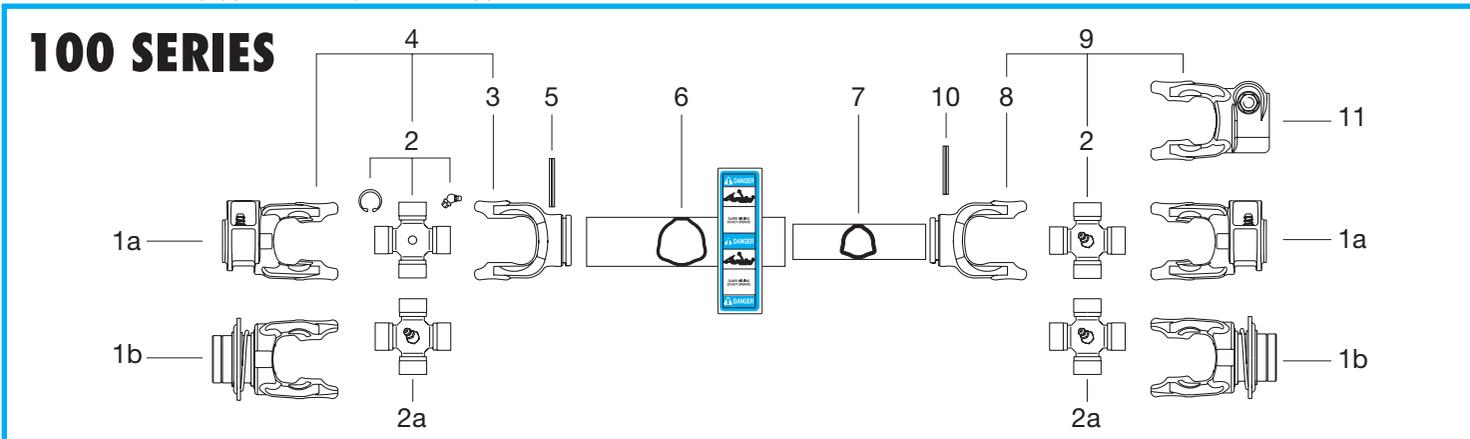
PACKAGE QUANTITIES: THE NUMBER FOLLOWING THE LETTER "R" IN THE CODE INDICATES THE NUMBER OF PIECES IN EACH PACK. FOR EXAMPLE, 341036000R10 INDICATES THAT EACH PACKAGE CONTAINS 10 ROLL PINS.

100 - 400 SERIES

1a	1b	3	4	5	6	7	8	9
5070B0355	5720B0355	∅ 40	71G1049007	341036000R10	A 2,6 - B 32,5	A 4 - B 26,5	∅ 34	71G1050007
		204016851			125033000R06	125023000R06	204016852	
5070C0355	5720C0355	∅ 47	71G2049007	341048000R10	A 3,2 - B 36	A 4 - B 29	∅ 40	71G2050007
		204026851			125053000R06	125043000R06	204026852	
572030351*	---	204036851	71G3049T07*	341038000R10	A 3,4 - B 43,5	A 3,2 - B 36	204036852	71G3050S07*
572030361*					125083000R06	125053000R06		
5070E0355	5720E0355	∅ 53	71G4049007	341038000R10	A 3,4 - B 43,5	A 3,2 - B 36	∅ 46	71G4050007
		204046851			125083000R06	125053000R06	204046852	
5070E0355	5720E0355	∅ 53	71G4049007	341038000R10	A 3,4 - B 43,5	A 4 - B 36	∅ 46	71G4050007
		204046851			125083000R06	125073000R06	204046852	
5070G0355	5720G0355	∅ 62	71G5049007	341053000R10	A 3 - B 51,5	A 3,8 - B 45	∅ 53	71G5050007
		204056860			125103000R06	125973000R06	204056861	
5070H0355	5720H0355	∅ 68	71G6049007	341042000R10	A 4 - B 54	A 4,2 - B 45	∅ 59	71G6050007
		204066851			125123000R06	125093000R06	204066852	
5070L0355	5720L0355	∅ 68	71G7049007	341042000R10	A 4 - B 54	A 5,5 - B 45	∅ 59	71G7050007
		204176851			125123000R06	125113000R06	204176852	
5070M0355	5720M0355	∅ 80	71G8049007	341054000R10	A 4 - B 63	A 4 - B 54	∅ 68	71G8050007
		204086860			125223000R06	125123000R06	204086861	
							204086888**	
572090351*	---	204196851	71G9049T07*	341054000R10	A 4 - B 63	A 5 - B 54	204196852	71G9050S07*
572090361*					125223000R06	125133000R06		
572100351*	---	204106851	71G0049T07*	341044000R10	A 5,6 - B 66	A 6 - B 54	204106852	71G0050S07*
572100361*					125153000R06	125143000R06		

* Yokes in size 3, 9, and 10 are only available with RS Twist Collar connection. **The codes for the tubes reference the 3 meter lengths packaged in multiples of 6 pieces. Normally, tubes as spare parts are sold in lengths of 1 meter.**

** For drive shafts equipped with CV joint at the opposite site.



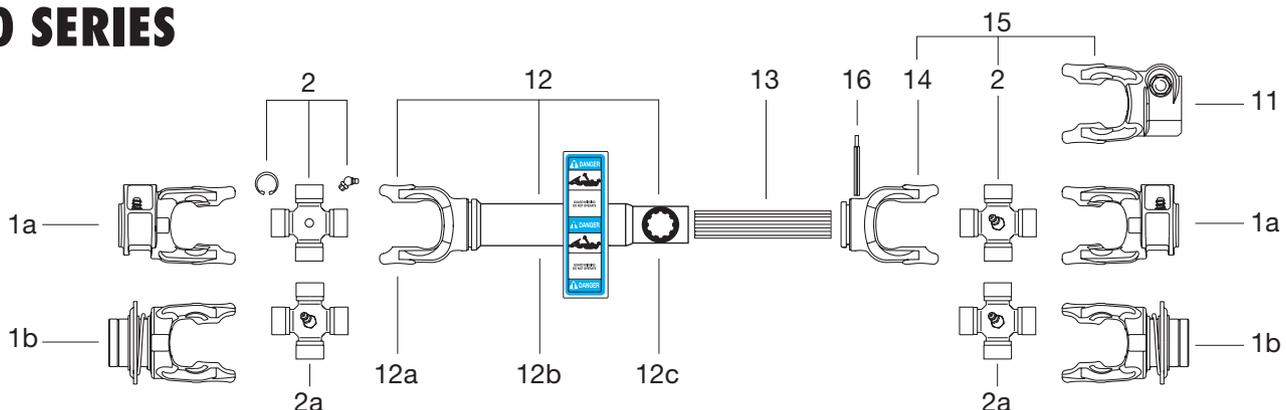
10	12 ¹	12a ³	12b ^{2,3}	12c ³	13 ²	14	15	16
ROLL PIN FOR INNER TUBE	YOKE & SPLINED SLEEVE ASSEMBLY	WELD YOKE ROUND TUBE	ROUND TUBE	SPLINED SLEEVE	SPLINED BAR	INNER YOKE SPLINED	JOINT FOR SPLINED BAR	ROLL PIN FOR SPLINED BAR
341037000R10	---	204015353	13678....	226003101R05	Ø 25 - Z 10 24915....	---	71G1059007	---
341036000R10	---	204025353	13678....	226003101R05	Ø 25 - Z 10 24915....	---	71G2059007	---
341048000R10	---	204035353	13679....	226003201R05	Ø 30 - Z 10 24917....	---	71G3059S07*	---
341048000R10	---	---	---	---	---	---	---	---
341048000R10	569B40720	204045353	13679....	226003201R05	Ø 30 - Z 10 24917....	Ø 46 204043251	71G4059007	345013000R10
341002000R10	569B50710	204055353	13680....	226003301R05	Ø 35 - Z 12 24911....	Ø 53 204053361	71G5059007	345012000R10
341043000R10	569B60700	204065352	13680....	226003301R05	Ø 35 - Z 12 24911....	Ø 59 204063361	71G6059007	345001000R10
341043000R10	569B70700	204175351	13681....	226003401R05	Ø 40 - Z 14 24921....	Ø 59 204173451	71G7059007	345001000R10
341055000R10	569B80690	204085361	13681....	226003401R05	Ø 40 - Z 14 24921....	Ø 68 204083460	71G8059007	345002000R10
341055000R10	---	204195351	---	---	---	---	71G9059S07*	---
341045000R10	---	204105351	---	---	---	---	71G0059S07*	---

1 Code refers to a length of 810 mm (081 code)

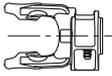
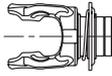
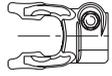
2 Complete the code with the length expressed in millimeters.

3 Weld yoke (12a), round tube (12b), and splined sleeve (12c) are not available in North America.

400 SERIES



YOKES FOR CARDAN JOINTS

1a		1b		11			
							
SHROUDED QD		BALL COLLAR		TAPER PIN			
1 3/8" Z21	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5070B3755	5720B3776	---	---	---	---	---	---
5070C3755	5720C3776	---	---	---	---	---	---
572033751*	---	---	---	---	---	---	---
572033761*	---	---	---	---	---	---	---
5070E3755	5720E3755	---	---	5090E0360	5090E3760	---	---
5070E3755	5720E3755	---	---	5090E0360	5090G3760	---	---
5070G3755	5720G3755	5720G0455	5720G3855	5090G0360	5090H3760	5090G0460	5090G3860
5070H3755	5720H3755	5720H0455	5720H3855	5090H0360	5090H3760	5090H0460	5090H3860
5070L3755	5720L3755	5720L0455	5720L3855	5090L0360	5090L3760	5090L0460	5090L3860
5070M3755	5720M3755	5720M0455	5720M3855	5090M0360	5090M3760	5090M0460	5090M3860
572093751*	---	---	---	---	---	---	---
572093761*	---	---	---	---	---	---	---
572103751*	---	---	---	---	---	---	---
572103761*	---	---	---	---	---	---	---

* Yokes in size 3, 9, and 10 are only available with RS Twist Collar connection.

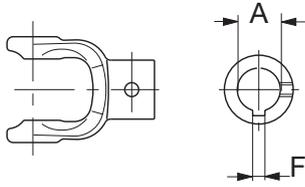
QUICK DISCONNECT (QD) PINS

	1 - 2	3	43 - 4	5	6	7	8	9 - 10
1 3/8" Z6	403000021R10	403000001R10	403000001R10	403000001R10	403000001R10	403000032R10	403000032R10	403000013R10
1 3/8" Z21	403000021R10	403000001R10	403000001R10	403000001R10	403000001R10	403000032R10	403000032R10	403000013R10
1 3/4" Z6	---	---	---	---	---	---	---	403000012R10
1 3/4" Z20	---	---	---	---	---	---	---	403000012R10

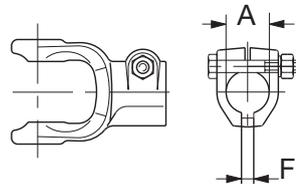
TAPERED PIN KITS

ATTENTION - Use pin that fits completely into hub. Discard other pins and nut. Use tapered nut ONLY with pin (C) and yoke with counter-sunk hole.

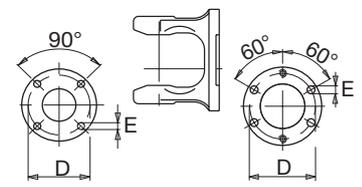
	1 - 2	3	43 - 4	5	6	7	8	9 - 10
1 3/8" Z6	---	408000060	408000075R	408000075R	408000075R	408000075R	408000075R	408000060
1 3/8" Z21	---	408000060	408000075R	408000075R	408000075R	408000075R	408000075R	408000060
1 3/4" Z6	---	---	---	408000076R	408000076R	408000076R	408000076R	408000061
1 3/4" Z20	---	---	---	408000076R	408000076R	408000076R	408000076R	408000061



ROUND BORE



ROUND BORE - INTERFERING CLAMP BOLT



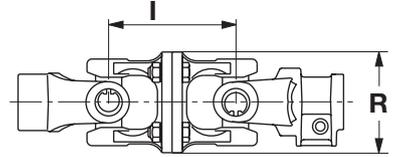
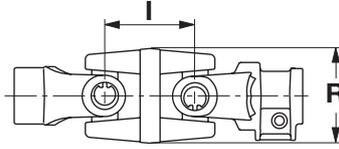
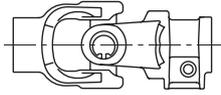
FLANGE YOKE

(053)	(054)	(055)	(056)	(034)	(035)	(036)	(090)	(091)	(095)
A 25 - F 8	A 30 - F 8	---	---	A 25 - F 8	A 30 - F 8	---	D 74,5 - E 8,5	---	D 47,5 - E 8,5
212016151	212016251	---	---	509016152	509016252	---	221017153	---	221017251
A 25 - F 8	A 30 - F 8	---	---	A 25 - F 8	A 30 - F 8	---	D 74,5 - E 8,5	---	D 74,5 - E 8,5
212026151	212026251	---	---	509026152	509026252	---	221027153	---	221027251
A 25 - F 8	A 30 - F 8	A 35 - F 10	---	A 25 - F 8	A 30 - F 8	A 35 - F 10	D 84 - E 10,5	D 74,5 - E 8,5	D 84 - E 10,5
212036151	212036251	212036351	---	509036152	509036252	509036352	221037153	221037152	221037251
A 25 - F 8	A 30 - F 8	A 35 - F 10	---	A 25 - F 8	A 30 - F 8	A 35 - F 10	D 84 - E 10,5	D 74,5 - E 8,5	D 84 - E 10,5
212046151	212046251	212046351	---	509046152	509046252	509046352	221047153	221047152	221047251
A 25 - F 8	A 30 - F 8	A 35 - F 10	---	A 25 - F 8	A 30 - F 8	A 35 - F 10	D 84 - E 10,5	D 74,5 - E 8,5	D 84 - E 10,5
212046151	212046251	212046351	---	509046152	509046252	509046352	221047153	221047152	221047251
---	A 30 - F 8	A 35 - F 10	A 40 - F 12	---	A 30 - F 8	A 35 - F 10	D 94 - E 10,5	D 84 - E 10,5	D 94 - E 10,5
---	212056251	212056351	212056451	---	509056252	509056352	221057153	221057152	221057251
---	A 30 - F 8	A 35 - F 10	A 40 - F 12	---	A 30 - F 8	A 35 - F 10	D 101,5 - E 12,5	D 94 - E 10,5	D 101,5 - E 12,5
---	212066251	212066351	212066451	---	509066252	509066352	221067153	221067152	221067251
---	A 30 - F 8	A 35 - F 10	A 40 - F 12	---	---	A 35 - F 10	D 120 - E 15	---	D 120 - E 15
---	212176551	212176351	212176451	---	---	509176352	221177151	---	221177252
---	---	A 35 - F 10	A 40 - F 12	---	---	A 35 - F 10	D 120 - E 15	---	D 120 - E 15
---	---	212086351	212086451	---	---	509086352	221087153	---	221087251
---	---	---	A 40 - F 12	---	---	---	D 150 - E 17	---	D 150 - E 17
---	---	---	212196451	---	---	---	221197151	---	221197251
---	---	---	A 40 - F 12	---	---	---	D 150 - E 17	---	D 150 - E 17
---	---	---	212106451	---	---	---	221107151	---	221107251

$\varnothing a$	b	c	e	$\varnothing d$	Code
13,85	14,2	23	37,2	8	403000020R10
13,85	20	27	47	8	403000001R10
13,85	27	27	54	8	403000009R10
13,85	27	38,5	65,5	8	403000002R10
13,85	29	37,5	66,5	8	403000010R10
15,85	28	29,5	57,5	8	403000008R10
15,85	25	35	60	8	403000012R10
15,85	30,5	38	68,5	8	403000011R10
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

$\varnothing a$	b/b1	c	d	e	f	Code
13,85	74,5	22	12	11	29,5	401000001R10
13,85	74,5	21	14,5	10	29	401000002R10
13,85	79,5	22	12	11	34,5	401000006R10
13,85	81	20	22,5	10	28,5	401000009R10
13,85	91,5	27	22,5	10	32	401000028R10
13,85	91,5	33	13	13,5	32	401000033R10
15,85	83,5	23,5	22	9,5	28,5	401000007R10
15,85	83,5	26	14,5	13	30	401000021R10
15,85	87	25	15	14	33	401000010R10
15,85	94,5	32	15,5	13,5	33,5	401000026R10
15,85	94,5	30	22	9,5	33	401000037R10
12,85	35	11	11	13	-	401000003R10
12,85	37,5	13	11,5	13	-	401000011R10

SINGLE AND DOUBLE JOINTS



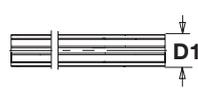
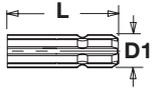
71G1027007	I 68 - R 75	I 98 - R 90
	7DG1027007	7GF1027007
71G2027007	I 78 - R 82	I 108 - R 90
	7DG2027007	7GF2027007
---	---	---
---	---	---
71G4027007	I 90 - R 96	I 128 - R 100
	7DG4027007	7GF4027007
71G5027007	I 106 - R 103	I 136 - R 110
	7DG5027007	7GF5027007
71G6027007	I 108 - R 115	I 154 - R 130
	7DG6027007	7GF6027007
71G7027007	---	I 158 - R 148
	---	7GF7027007
71G8027007	---	I 158 - R 148
	---	7GF8027007
---	---	---
---	---	---

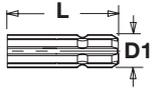
Single and double joints listed below have a 1-3/8" Z6 shrouded push pin (QD) yoke and a 1-3/8" Z6 splined yoke. Other combinations are available - please inquire.

BALL COLLAR REPAIR KITS



	1	2	43 - 4	5	6	7	8
1 3/8" Z6	435000320R	435000320R	435000321R	435000321R	435000321R	435000322R	435000322R
1 3/8" Z21	435000300R	435000300R	435000321R	435000321R	435000321R	435000322R	435000322R
1 3/4" Z6	---	---	---	435000418R	435000418R	435000419R	435000419R
1 3/4" Z20	---	---	---	435000418R	435000418R	435000419R	435000419R



								
L			*			L		
1 1/8" Z6	262000106R02	90	1 1/8" Z6	14931....	1 1/8" Z6	226000105R05	80	
1 3/8" Z6	262000345R02	90	1 3/8" Z6	14933....	1 1/8" Z6	226000106R05	100	
1 3/4" Z6	262000415R02	90	1 3/4" Z6	14934....	1 3/8" Z6	226000305R05	80	
					1 3/8" Z6	226000306R05	100	
					1 3/8" Z6	226000327R05	130	
					1 3/4" Z6	226000405R05	80	
					1 3/4" Z6	226000406R05	100	

*Complete the code with the length in mm

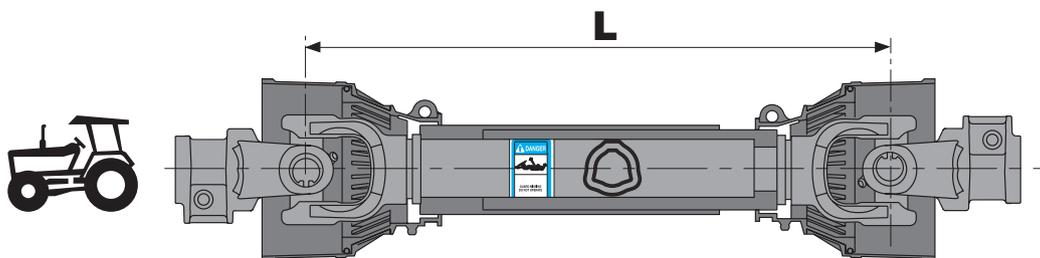
100 SERIES DRIVESHAFTS

COMPLETE DRIVESHAFTS

061	086	121
610	860	1210
7101061CE007007	7101086CE007007	7101121CE007007
7102061CE007007	7102086CE007007	7102121CE007007
---	---	---
7143061CE007007	7143086CE007007	7143121CE007007
7104061CE007007	7104086CE007007	7104121CE007007
7105061CE007007	7105086CE007007	7105121CE007007
7106061CE007007	7106086CE007007	7106121CE007007
7107061CE007007	7107086CE007007	7107121CE007007
7108061CE007007	7108086CE007007	7108121CE007007
---	---	---
---	---	---

Codes above are equipped with CE mark (includes CE labels, instructions, and declaration of conformity). For other countries, the "CE" may be replaced by "UC" (for North America), "JP" (for Japan), or "FX", which will have labels and instructions according to pages 7-8.

100 SERIES

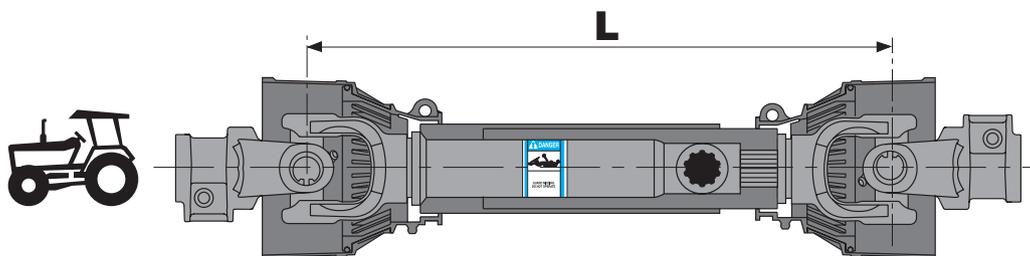


COMPLETE DRIVESHAFTS

051	056	061	066	071	076	081
510	560	610	660	710	760	810
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
7404051CE007007	7404056CE007007	7404061CE007007	7404066CE007007	7404071CE007007	7404076CE007007	7404081CE007007
7405051CE007007	7405056CE007007	7405061CE007007	7405066CE007007	7405071CE007007	7405076CE007007	7405081CE007007
7406051CE007007	7406056CE007007	7406061CE007007	7406066CE007007	7406071CE007007	7406076CE007007	7406081CE007007
7407051CE007007	7407056CE007007	7407061CE007007	7407066CE007007	7407071CE007007	7407076CE007007	7407081CE007007
7408051CE007007	7408056CE007007	7408061CE007007	7408066CE007007	7408071CE007007	7408076CE007007	7408081CE007007
---	---	---	---	---	---	---
---	---	---	---	---	---	---

Codes above are equipped with CE mark (includes CE labels, instructions, and declaration of conformity). For other countries, the "CE" may be replaced by "UC" (for North America), "JP" (for Japan), or "FX", which will have labels and instructions according to pages 7-8.

400 SERIES



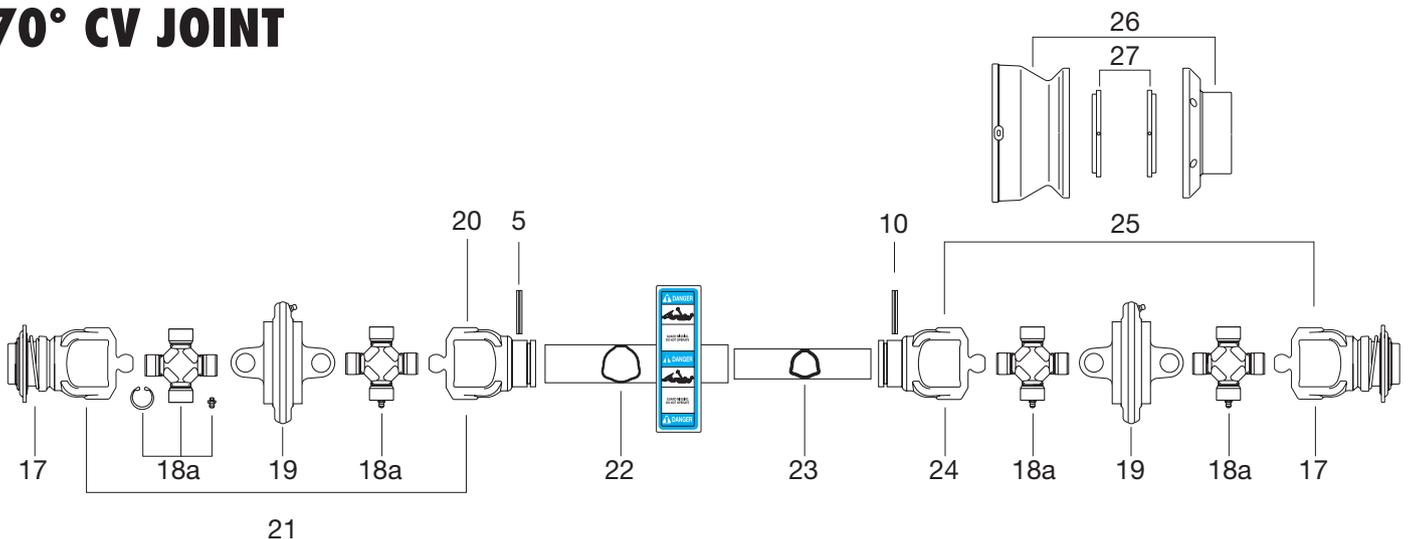
650 - 660 - 670 SERIES CV JOINT DRIVESHAFTS

17		18a	19	20	24	21	25	22	23	26	27
1 3/8" Z6	1 3/8" Z21										
---	---	-	---	---	---	---	---	---	---	---	---
Ø1 18	Ø1 18	A 23,8 - B 61,3	512020051	Ø 47 Ø1 18	Ø 40 Ø1 18	7G52049R07	7G52050R07	A 2,9 - B 36	A 4,3 - B 29,6	517027012	255020402
573020379	573023764	41202		208026873	208026874			125183000R06	245043000R06		
---	---	-	---	---	---	---	---	---	---	---	---
---	---	-	---	---	---	---	---	---	---	---	---
Ø1 24	Ø1 24	A 23,8 - B 86	511040051	Ø 53 Ø1 24	Ø 46 Ø1 24	7G54049T07	7G54050S07	A 3,1 - B 43,5	A 4,8 - B 36,6	517048001	255040351
573040382	573043775	412040012		215046873	215046874			125163000R06	245103000R06		
---	---	-	---	---	---	---	---	---	---	---	---
---	---	-	---	---	---	---	---	---	---	---	---
Ø1 26	Ø1 26	A 30,2 - B 99,4	511060051	Ø 68 Ø1 26	Ø 59 Ø1 26	7G56049T07	7G56050S07	A 3,7 - B 54	A 4,3 - B 45,6	517068001	255060351
573060399	573063781	412060012		215066872	215066871			125173000R06	245163000R06		
---	---	-	---	---	---	---	---	---	---	---	---
---	---	-	---	---	---	---	---	---	---	---	---
Ø1 28	Ø1 28	A 35 - B 106	511080051	Ø 80 Ø1 28	Ø 68 Ø1 28	7G58049T07	7G58050S07	A 3,7 - B 63	A 4,3 - B 54,6	517088001	255080351
573080399	573083799	412080012		215086870	215086869			125213000R06	245693000R06		

650 SERIES CV DRIVELINES IN SIZES 4, 6, AND 8 ARE NO LONGER IN PRODUCTION - AVAILABLE ONLY AS COMPONENT PARTS.

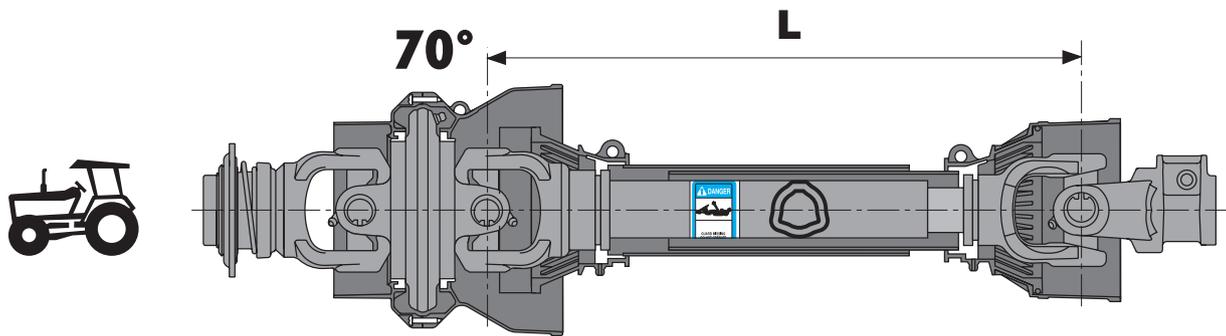
The codes for the tubes reference the 3 meter lengths packaged in multiples of 6 pieces
Normally, tubes as spare parts are sold in lengths of 1 meter.

70° CV JOINT



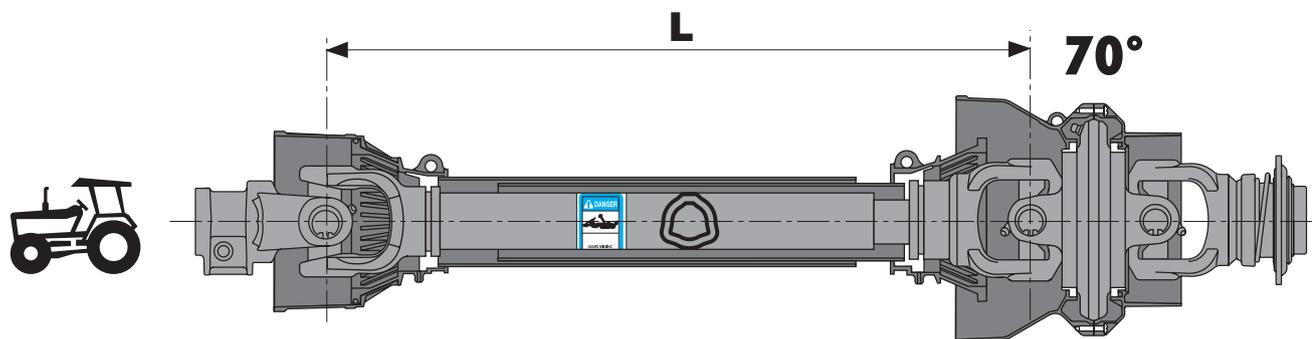
650 SERIES COMPLETE DRIVESHAFTS

652



CODE	081	101	121
LENGTH L (mm)	810	1010	1210
652	7652081CER07007	7652101CER07007	7652121CER07007

662

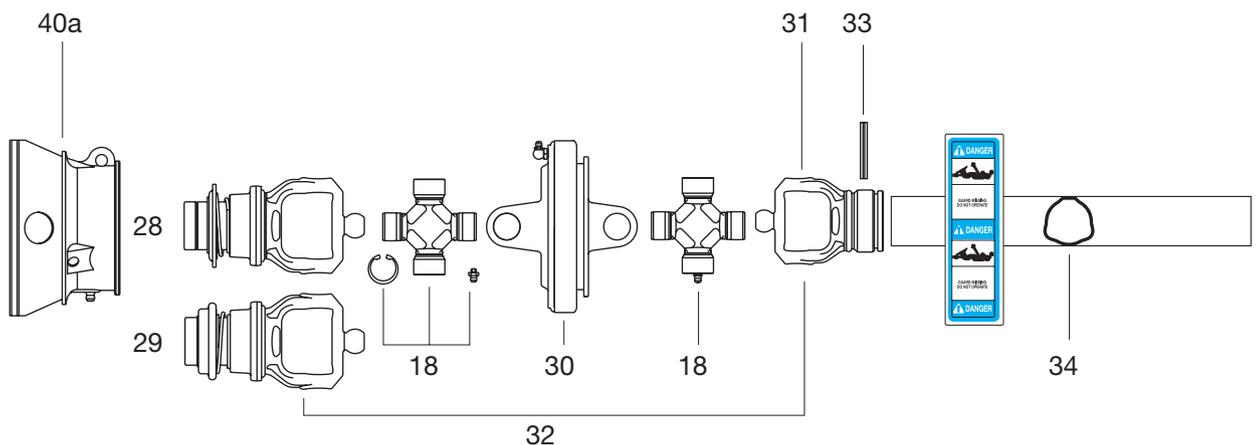


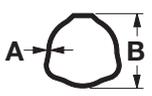
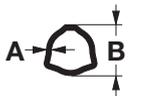
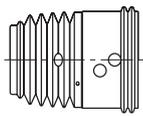
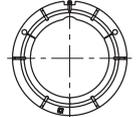
CODE	081	101	121
LENGTH L (mm)	810	1010	1210
662	7662081CE007R07	7662101CE007R07	7662121CE007R07

100 SERIES 80° CV JOINT

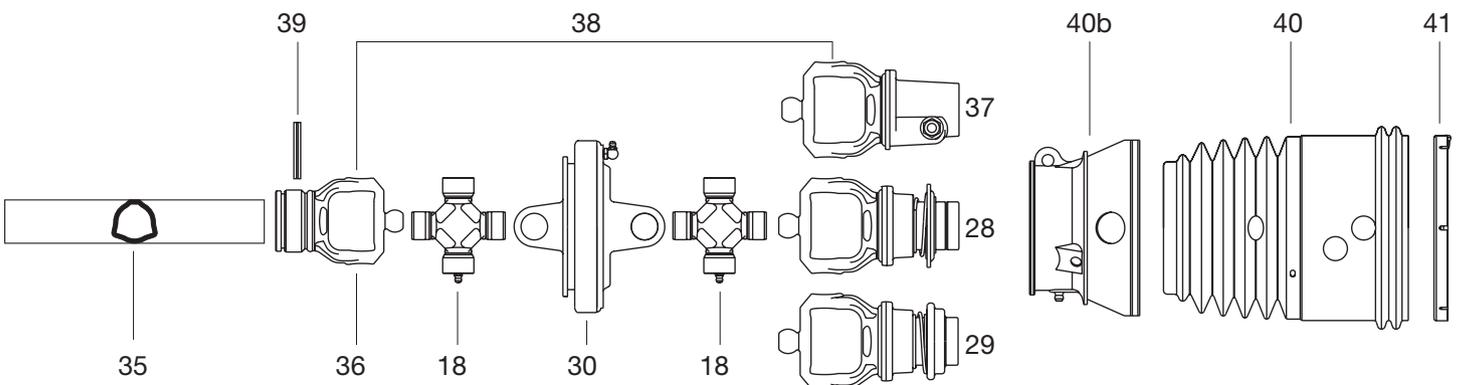
28	30	31	36	32	38	33
BALL COLLAR 1 3/8" Z6	CV BODY	CV OUTER TUBE YOKE	CV INNER TUBE YOKE	80° EL CV JOINT - OUTER	80° EL CV JOINT - INNER	ROLL PIN FOR OUTER TUBE
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
Ø1 24 5730E0384	5110E0052	Ø 53 Ø1 24 2150E6885	Ø 46 Ø1 24 2150E6887	71G4W49WR7	71G4W50WR7	341038000R10
---	---	---	---	---	---	---
Ø1 28 5730G0384	5110G0061	Ø 68 Ø1 28 2150G6885	Ø 59 Ø1 28 2150G6887	71G6W49WR7	71G6W50WR7	341042000R10
---	---	---	---	---	---	---
Ø1 34 5730L0384	5110L0063	Ø 80 Ø1 34 2150L6873	Ø 68 Ø1 34 2150L6874	71G8W49WR7	71G8W50WR7	341054000R10

100 SERIES 80° CV JOINT

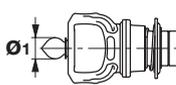
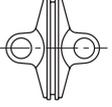
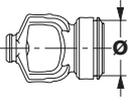
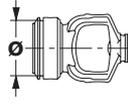
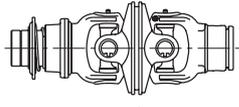


34	35*	39	40a	40b	40	41
						
OUTER DRIVE TUBE RILSAN	INNER DRIVE TUBE RILSAN	ROLL PIN FOR INNER TUBE	CONE FOR OUTER TUBE	CONE FOR INNER TUBE	SHIELD CONE	CV SHIELD CONE BEARING RING
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
A 3,1 - B 43,5 125163000R06	A 4,3 - B 36,6 245103000R06	341048000R10	254040020	254040021	2190E0127	2550E0005R02
---	---	---	---	---	---	---
A 3,7 - B 54 125173000R06	A 4,5 - B 45,6 245163000R06	341053000R10	254060020	254060021	2190G0150	2550G0024R02
---	---	---	---	---	---	---
A 3,7 - B 54 125173000R06	A 5,8 - B 45,6 245393000R06	341054000R10	254080033	254080034	517080200	2550L0023R02

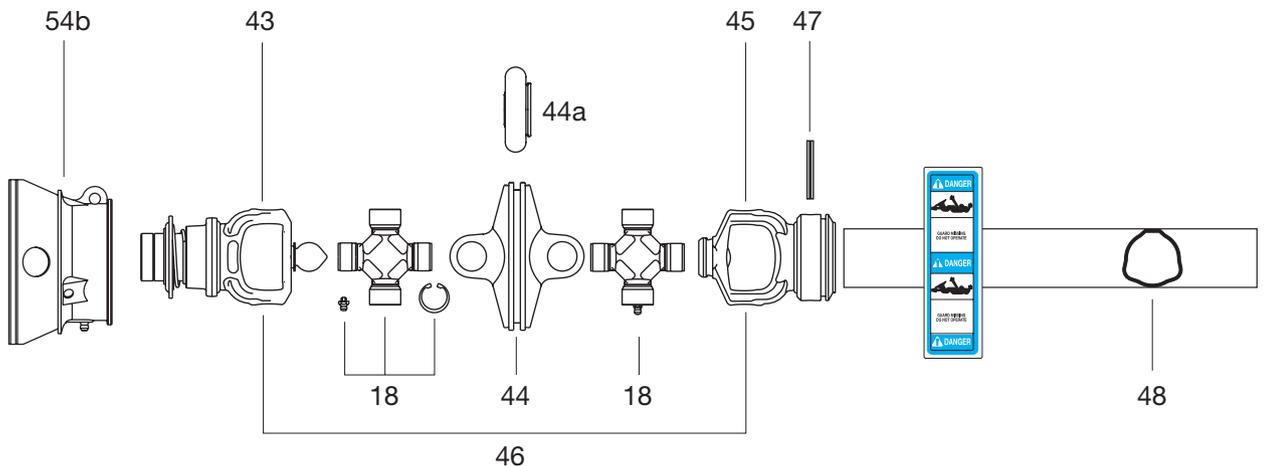
The codes for the tubes reference the 3 meter lengths packaged in multiples of 6 pieces.
Normally, tubes as spare parts are sold in lengths of 1 meter.



100 SERIES 50° CV JOINT

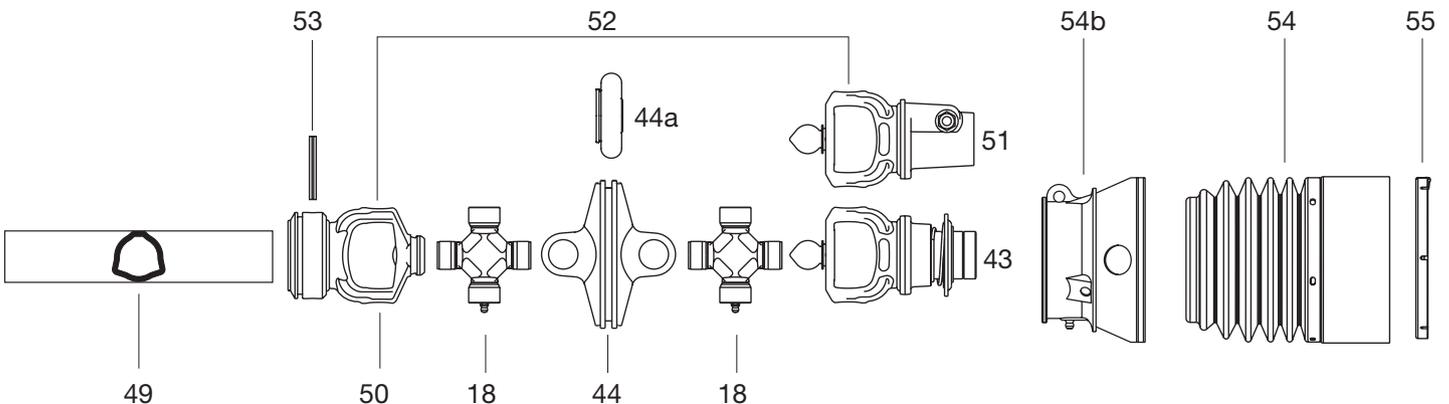
43	44	44a	45	50	46	52	47
 BALL COLLAR 1 3/8" Z6	 50° EL CV BODY	 RUBBER BOOT	 CV OUTER TUBE YOKE	 CV INNER TUBE YOKE	 50° EL CV JOINT OUTER 50° EL CV JOINT INNER		 ROLL PIN OUTER TUBE
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---
Ø1 29 5730E0353	2080E0055	246000101	Ø 53 2080E6876	Ø 46 2080E6875	71G4K49KR7	71G4K50KR7	341038000R10
---	---	---	---	---	---	---	---
Ø1 33 5730G0353	2080G0064	246000116	Ø 68 2080G6885	Ø 59 2080G6887	71G6K49KR7	71G6K50KR7	341042000R10
---	---	---	---	---	---	---	---
Ø1 33 5730L0353	2080L0064	246000116	Ø 80 2080L6864	Ø 68 2080L6865	71G8K49KR7	71G8K50KR7	341054000R10

50° CV JOINT

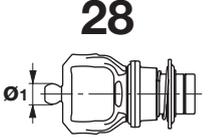
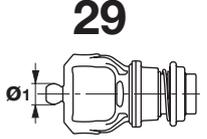
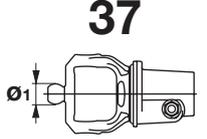


48	49	53	54a	54b	54	55
OUTER DRIVE TUBE	INNER DRIVE TUBE	ROLL PIN INNER TUBE	CONE FOR OUTER TUBE	CONE FOR INNER TUBE	SHIELD CONE	CV SHIELD CONE BEARING RING
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
A 3,4 - B 43,5	A 4 - B 36	341048000R10	254040020	254040021	2190E0126	2550E0005R02
125083000R06	125073000R06					
---	---	---	---	---	---	---
A 4 - B 54	A 4,2 - B 45	341053000R10	254060020	254060021	2190G0153	2550G0024R02
125123000R06	125093000R06					
---	---	---	---	---	---	---
A 4 - B 54	A 5,5 - B 45	341054000R10	254080033	254080034	2190L0123	2550L0023R02
125123000R06	125113000R06					

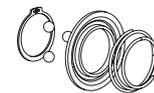
The codes for the tubes reference the 3 meter lengths packaged in multiples of 6 pieces.
Normally, tubes as spare parts are sold in lengths of 1 meter.



YOKES FOR 100 SERIES 80° EL CV

 28 80° EL CV BALL COLLAR			 29 80° EL CV AUTOMATIC BALL COLLAR				 37 80° EL CV TAPER PIN - IMPLEMENT SIDE ONLY			
1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---
Ø1 24	Ø1 24	Ø1 24	Ø1 24	Ø1 24	Ø1 24	Ø1 24	Ø1 24	Ø1 24	---	---
5730E3784	5730E0484	5730E3884	5730E0391	5730E3791	5730E0491	5730E3891	5110E0361	5110E3761	---	---
---	---	---	---	---	---	---	---	---	---	---
Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28	Ø1 28
5730G3784	5730G0484	5730G3884	5730G0391	5730G3791	5730G0491	5730G3891	5110G0361	5110G3761	5110G0461	5110G3861
---	---	---	---	---	---	---	---	---	---	---
Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34	Ø1 34
5730L3784	5730L0484	5730L3884	5730L0391	5730L3791	5730L0491	5730L3891	5110L0361	5110L3761	5110L0461	5110L3861

BALL COLLAR REPAIR KITS FOR 80° - 50° EL CV



	4	6	8
1 3/8" Z6	435000323R	435000323R	435000323R
1 3/8" Z21	435000323R	435000323R	435000323R
1 3/4" Z6	435000420R	435000420R	435000420R
1 3/4" Z20	453000420R	435000420R	435000420R

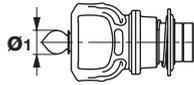
AUTOMATIC BALL COLLAR REPAIR/RETROFIT KITS FOR 80°-50° EL CV



	4	6	8
1 3/8" Z6	435000311R	435000311R	435000311R
1 3/8" Z21	435000311R	435000311R	435000311R
1 3/4" Z6	435000411R	435000411R	435000411R
1 3/4" Z20	435000411R	435000411R	435000411R

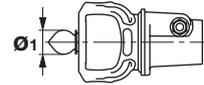
YOKES FOR 100 SERIES 50° EL CV

43



50° EL CV BALL COLLAR

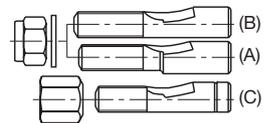
51



50° EL CV TAPER PIN - IMPLEMENT SIDE ONLY

1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
---	---	---	---	---	---	---
Ø1 29	Ø1 29	Ø1 29	Ø1 29	Ø1 29	---	---
5730E3753	5730E0453	5730E3853	5190E0352	5190E3752	---	---
---	---	---	---	---	---	---
Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33
5730G3753	5730G0453	5730G3853	5190G0352	5190G3752	5190G0452	5190G3852
---	---	---	---	---	---	---
Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33	Ø1 33
5730L3753	5730L0453	5730L3853	5190L0352	5190L3752	5190L0452	5190L3852

TAPER PIN KITS FOR 80°-50° EL CV



	4	6	8
1 3/8" Z6	408000075R	408000075R	408000075R
1 3/8" Z21	408000075R	408000075R	408000075R
1 3/4" Z6	---	408000076R	408000076R
1 3/4" Z20	---	408000076R	408000076R

ATTENTION - Use pin that fits completely into hub. Discard other pins and nut. Use tapered nut ONLY with pin (C) and yoke with counter-sunk hole.

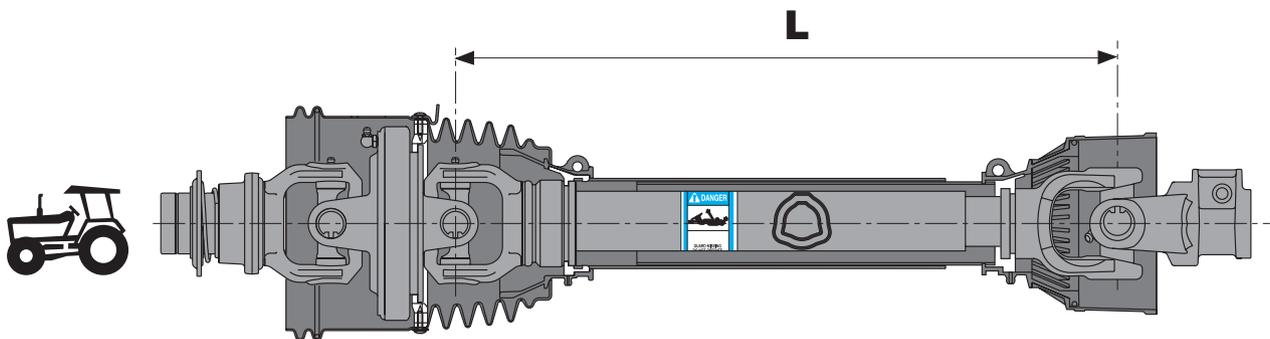
100 SERIES DRIVESHAFTS WITH 80° CV JOINTS

COMPLETE DRIVESHAFTS

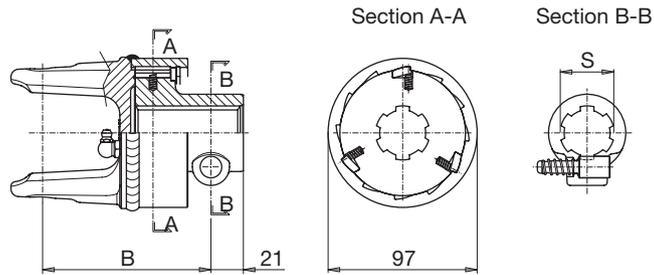
081	101	121
810	1010	1210
---	---	---
---	---	---
---	---	---
---	---	---
71R4081CEWR7007	71R4101CEWR7007	71R4121CEWR7007
---	---	---
71R6081CEWR7007	71R6101CEWR7007	71R6121CEWR7007
---	---	---
71R8081CEWR7007	71R8101CEWR7007	71R8121CEWR7007

Codes above are equipped with CE mark (includes CE labels, instructions, and declaration of conformity). For other countries, the "CE" may be replaced by "UC" (for North America), "JP" (for Japan), or "FX", which will have labels and instructions according to pages 7-8.

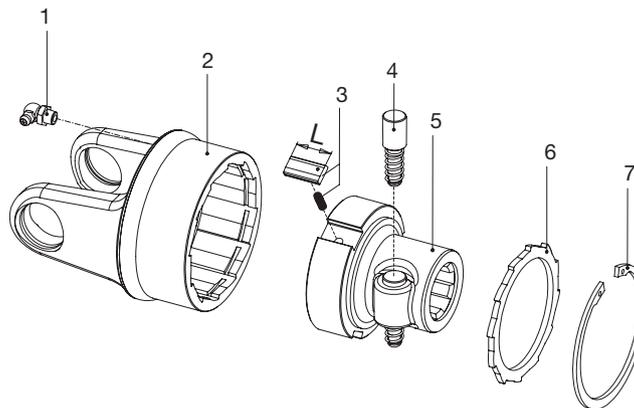
80° CV JOINT



RA1 OVERRUNNING CLUTCH

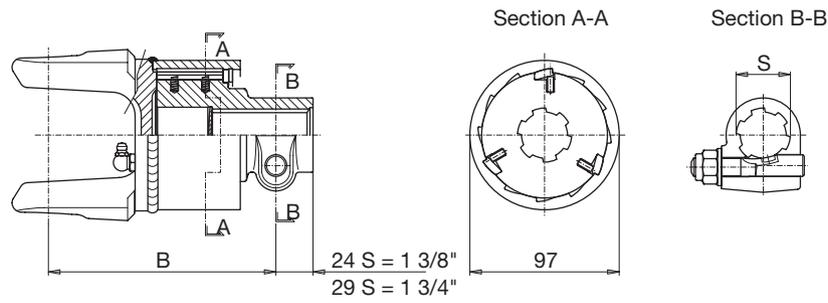


SIZE MAXIMUM TORQUE 2400 Nm	B (mm)				SPARE PARTS CODE			
	S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	94	94	---	---	601101701R	601101702R	---	---
2	100	100	---	---	601102701R	601102702R	---	---
43-4	109	109	---	---	601104701R	601104702R	---	---
5	112	112	---	---	601105704R	601105702R	---	---

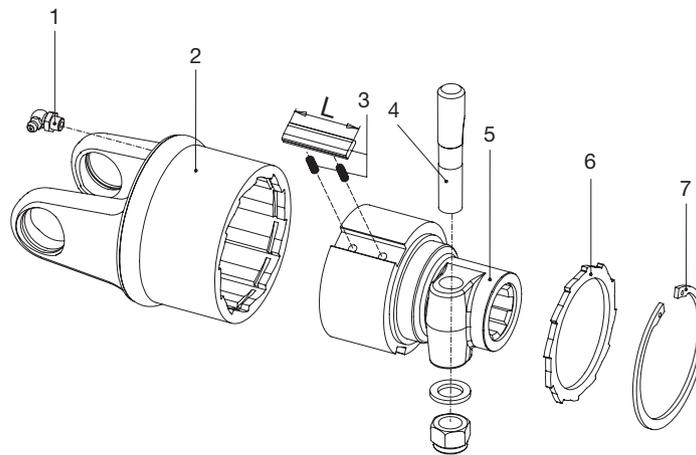


REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	1	418011201	Housing	
	2	418021201		
	43-4	418041201		
	5	418051201		
3		4210C0001R03	Pawl + Spring	L= 22,8
4		403000001R10	Push pin kit	
5		5130C0301	Hub with push pin	1 3/8" Z6
		5130C3701		1 3/8" Z21
6		246000132R02	Seal plate	
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

RA2 OVERRUNNING CLUTCH

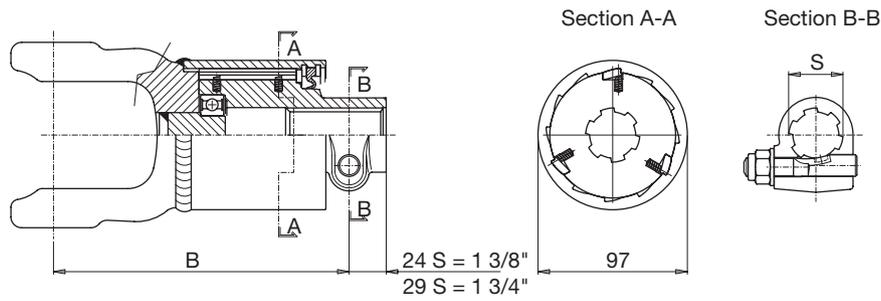


SIZE MAXIMUM TORQUE 3800 Nm	B (mm)				SPARE PARTS CODE			
	S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	140	140	142	142	601205601R	601205602R	601205603R	601205604R
6	147	147	149	149	601206601R	601206602R	601206603R	601206604R
7	160	160	162	162	601217601R	601217602R	601217603R	601217604R

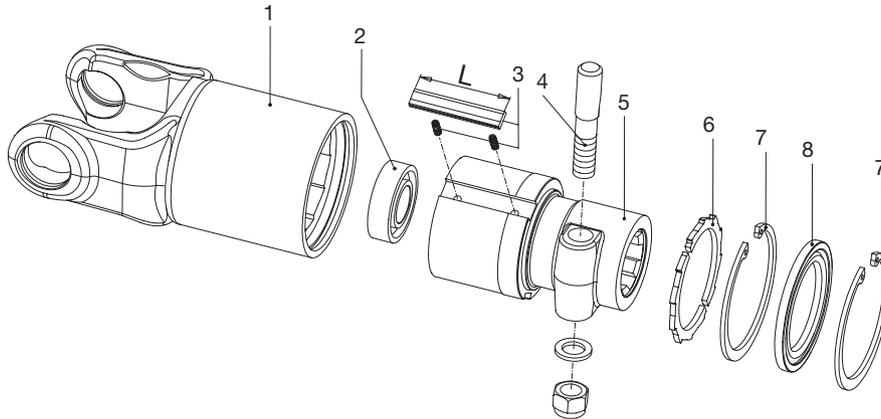


REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	5	418052203	Housing	
	6	418062203		
	7	418172203		
3		4210E0001R03	Pawl + springs kit	L= 42,8
4		408000047R02	Taper pin kit	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
5		5150E0301	Hub with taper pin	1 3/8" Z6
		5150E3701		1 3/8" Z21
		5150E0401		1 3/4" Z6
		5150E3801		1 3/4" Z20
6		246000132R02	Seal plate	1 3/8" Z6 - Z21
		246000134R02	Two piece seal plate	1 3/4" Z6 - Z20
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

RL3 OVERRUNNING CLUTCH (Permanently lubricated)

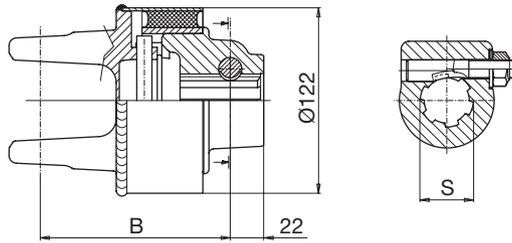


SIZE MAXIMUM TORQUE 6200 Nm	B (mm)				SPARE PARTS CODE			
	S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
8	191	191	193	193	60170M501R	60170M502R	60170M503R	60170M504R

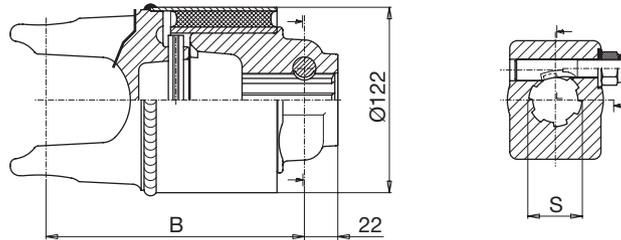


REF.	SIZE	CODE	DESCRIPTION	NOTES
1		4180M7001	Housing	
2		354110025	Ball bearing	6205 (25 x 52 x 15)
3		4210G0001R03	Pawl + Spring	L= 62,8
4		408000047R02	Taper pin kit	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
5		5150G0306	Hub with taper pin	1 3/8" Z6
		5150G3706		1 3/8" Z21
		5150G0406		1 3/4" Z6
		5150G3806		1 3/4" Z20
6		246000132R02	Seal plate	1 3/8" Z6 - Z21
		246000134R02	Two-piece seal plate	1 3/4" Z6 - Z20
7		338046000R20	Retaining ring	88 x 3 DIN 472/1
8		359005900R02	Sealing ring	

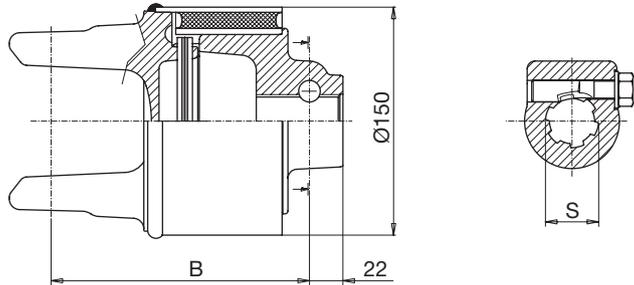
TORSIONALLY RESILIENT JOINTS GE4 - GE6 - GE8



SIZE	MAXIMUM TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	1700	123	123	---	---	608E46501R	608E46502R	---	---
5	1700	134	134	---	---	608G46501R	608G46502R	---	---



SIZE	MAXIMUM TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
6	1700	170	170	170	170	608H65501R	608H65502R	608H65503R	608H65504R
	3000	170	170	170	170	608H66501R	608H66502R	608H66503R	608H66504R



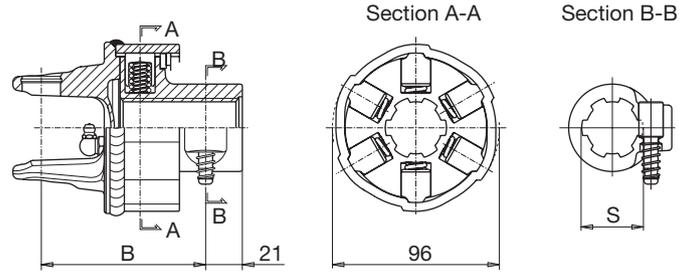
SIZE	MAXIMUM TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	5000	169	169	169	169	608L86501R	608L86502R	608L86503R	608L86504R
8	5000	170	170	170	170	608M86501R	608M86502R	608M86503R	608M86504R

TAPER PINS

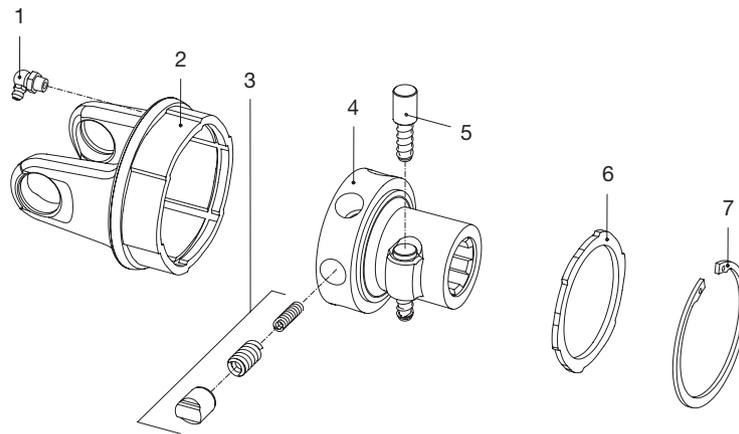
1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
408000047R02	408000047R02	408000046R02	408000046R02

SA1 RATCHET TORQUE LIMITER

Uni-directional



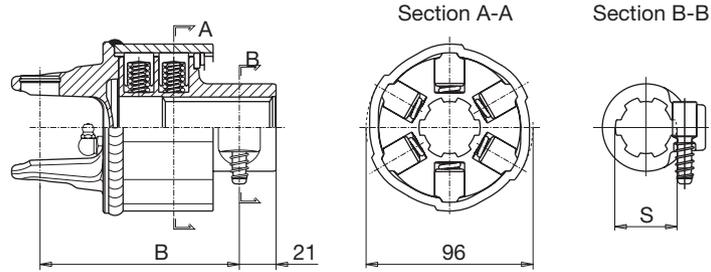
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	400	94	---	---	---	610124001R	---	---	---



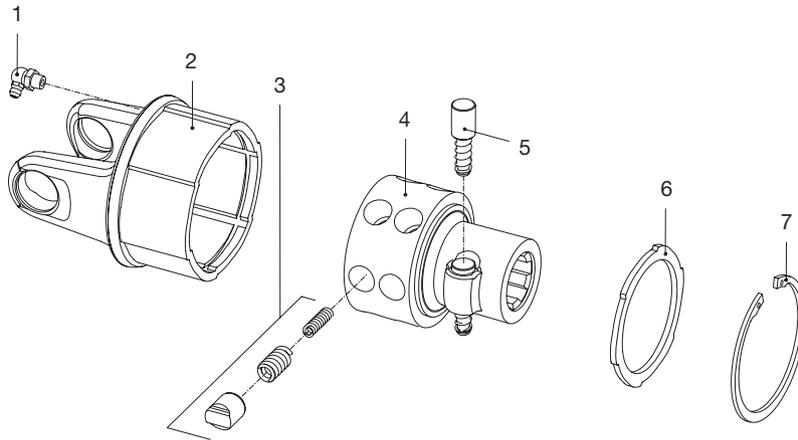
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	1	422011020	Housing	
3		421340001R06	Ratchet + springs	
4		513340302	Hub with push pin	1 3/8" Z6
5		403000001R10	Push pin kit	
6		240000033R02	Seal plate	
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

SA2 RATCHET TORQUE LIMITER

Uni-directional



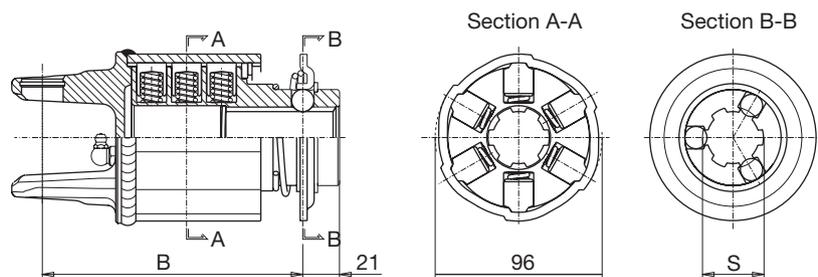
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	650	114	---	---	---	610234001R	---	---	---
2	650	120	---	---	---	611234005R	---	---	---
	800	120	---	---	---	611239001R	---	---	---



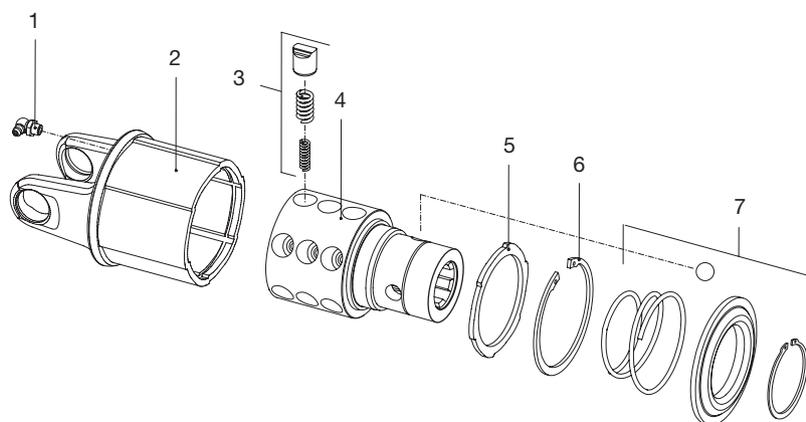
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	1	422012020	Housing	
	2	422022020		
3		421340001R06	Ratchet + springs	
4		513350302	Hub with push pin	1 3/8" Z6
5		403000001R10	Push pin kit	
6		240000033R02	Seal plate	
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

SA3 RATCHET TORQUE LIMITER

Uni-directional



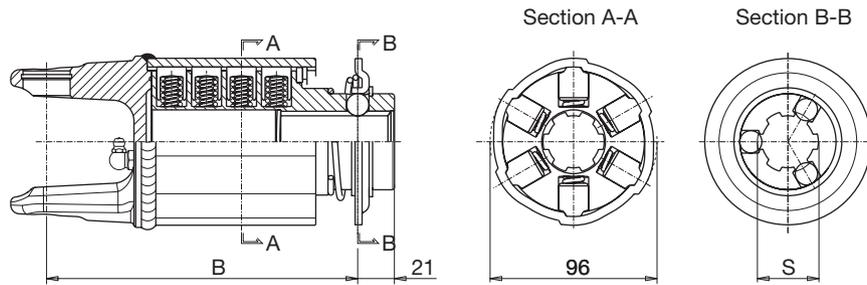
SIZE	TORQUE Nm	S B (mm)				SPARE PARTS CODE			
		1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
2	900	149	---	---	---	611341501R	---	---	---
	1000	149	---	---	---	611344501R	---	---	---
	1200	149	---	---	---	611348501R	---	---	---
43-4	1000	158	---	---	---	613344501R	---	---	---
	1200	158	---	---	---	613348501R	---	---	---
5	1200	161	---	---	---	614348501R	---	---	---



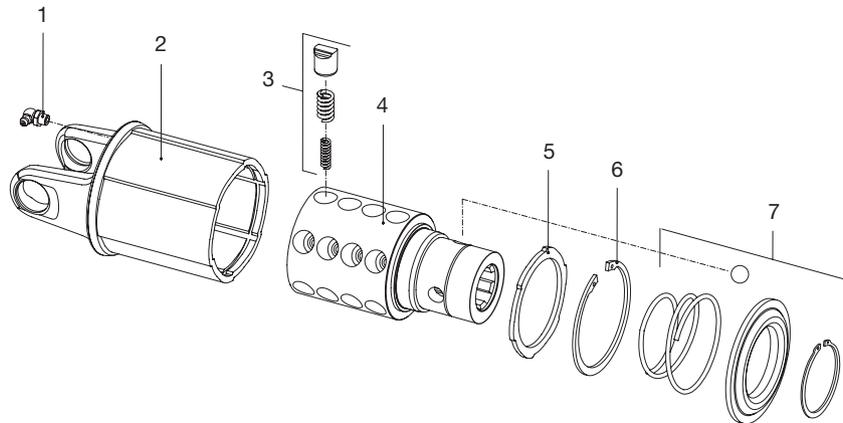
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	2	422023020	Housing	
	43-4	422043020		
	5	422053020		
3		421340001R06	Ratchet + springs	
4		2270Q0303	Hub	1 3/8" Z6
5		240000033R02	Seal plate	
6		338005000R20	Retaining ring	82 x 2.5 DIN 472/1
7		435000321R	Ball collar kit	

SA4 RATCHET TORQUE LIMITER

Uni-directional



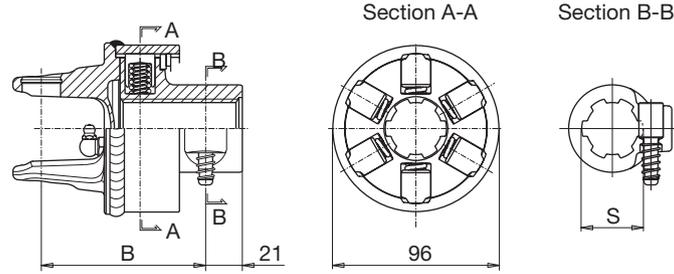
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
43-4	1400	178	---	---	---	613452501R	---	---	---
	1600	178	---	---	---	613456501R	---	---	---
5	1400	181	---	---	---	614452501R	---	---	---
	1600	181	---	---	---	614456501R	---	---	---
6	1400	188	---	---	---	615452501R	---	---	---
	1600	188	---	---	---	615456501R	---	---	---



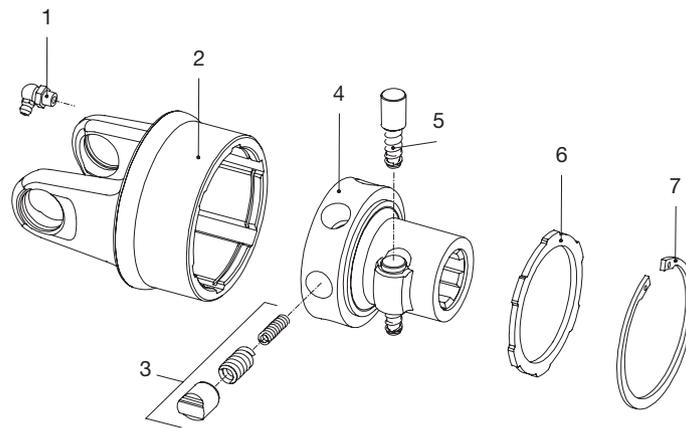
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	43-4	422044020	Housing	
	5	422054020		
	6	422064020		
3		421340001R06	Ratchet + springs	
4		2270R0302	Hub	1 3/8" Z6
5		240000033R02	Seal plate	
6		338005000R20	Retaining ring	82 x 2.5 DIN 472/1
7		435000321R	Ball collar kit	

LN1 RATCHET TORQUE LIMITER

Symmetrical



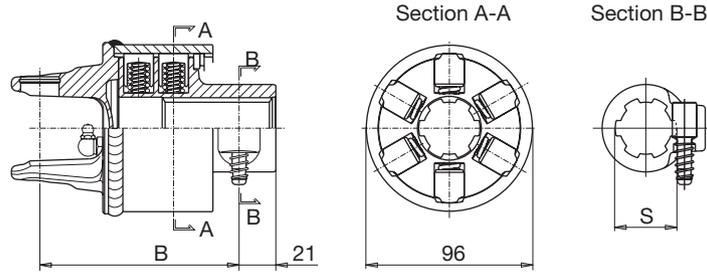
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	300	94	---	---	---	60A1B1903R	---	---	---



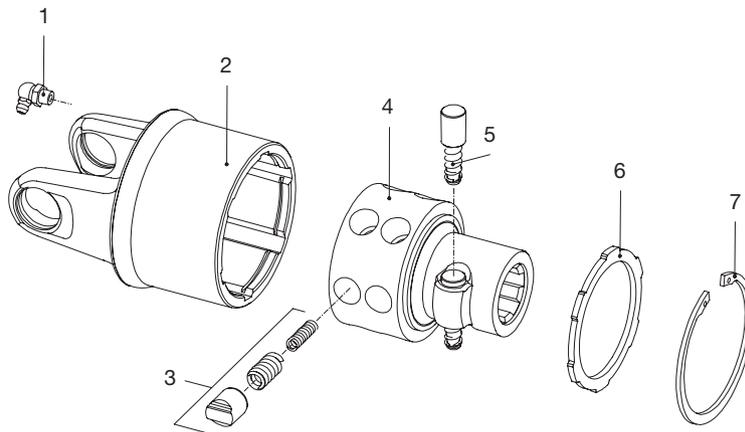
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	1	422B0S301	Housing	
3		421340007R06	Ratchet + springs	
4		513340302	Hub with push pin	1 3/8" Z6
5		403000001R10	Push pin kit	
6		240000294R02	Seal plate	
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

LN2 RATCHET TORQUE LIMITER

Symmetrical



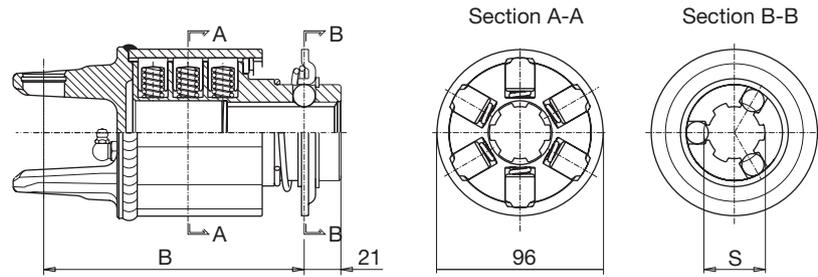
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	460	114	---	---	---	60A2B2603R	---	---	---
	600	114	---	---	---	60A2B3203R	---	---	---
2	600	120	---	---	---	60A2C3203R	---	---	---



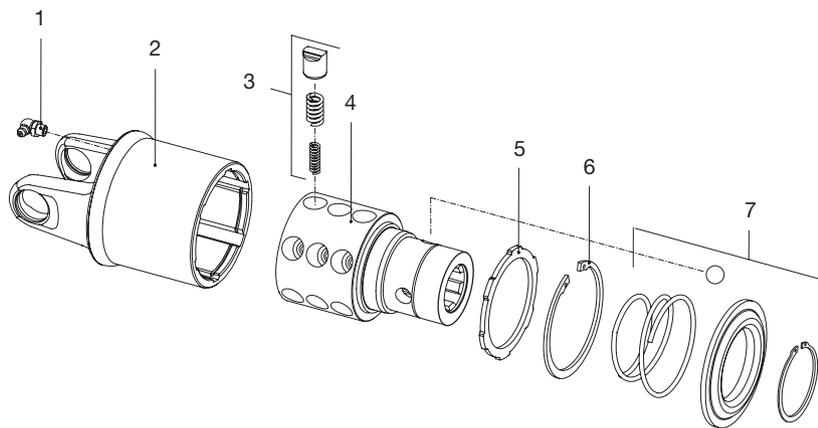
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	1	422B0T301	Housing	
	2	422C0T301		
3		421340007R06	Ratchet + springs	
4		513350302	Hub with push pin	1 3/8" Z6
5		403000001R10	Push pin kit	
6		240000294R02	Seal plate	
7		338005000R20	Retaining ring	82 x 2.5 DIN 472/1

LN3 RATCHET TORQUE LIMITER

Symmetrical



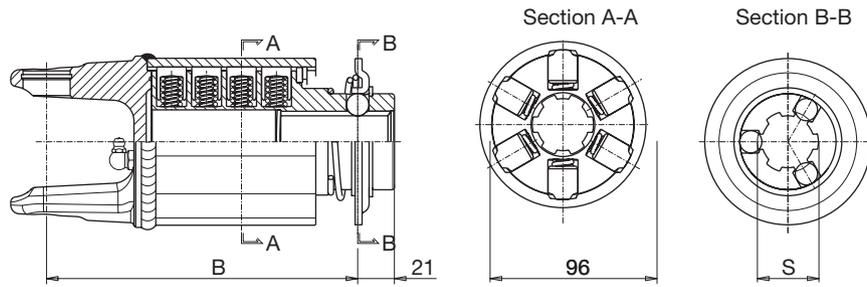
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
2	800	149	---	---	---	60B3C3903R	---	---	---
	900	149	---	---	---	60B3C4103R	---	---	---



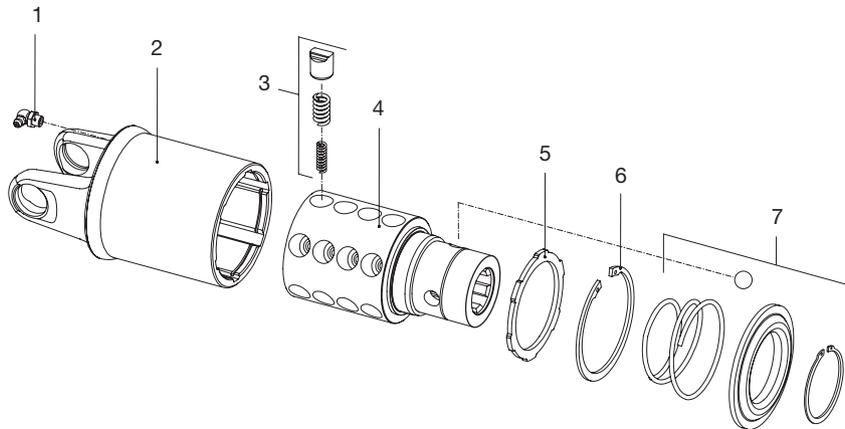
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	2	422C0U301	Housing	
3		421340007R06	Ratchet + springs	
4		2270Q0303	Hub	1 3/8" Z6
5		240000294R02	Seal plate	
6		338005000R20	Retaining ring	82 x 2.5 DIN 472/1
7		435000321R	Ball collar kit	

LN4 RATCHET TORQUE LIMITER

Symmetrical

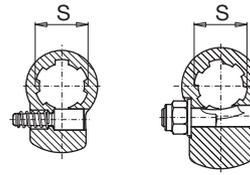
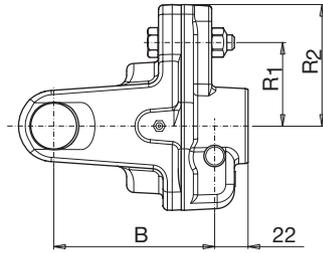


SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
2	1000	169	---	---	---	60B4C4403R	---	---	---
	1200	169	---	---	---	60B4C4803R	---	---	---
43-4	1000	178	---	---	---	60B4E4403R	---	---	---
	1200	178	---	---	---	60B4E4803R	---	---	---
5	1200	181	---	---	---	60B4G4803R	---	---	---



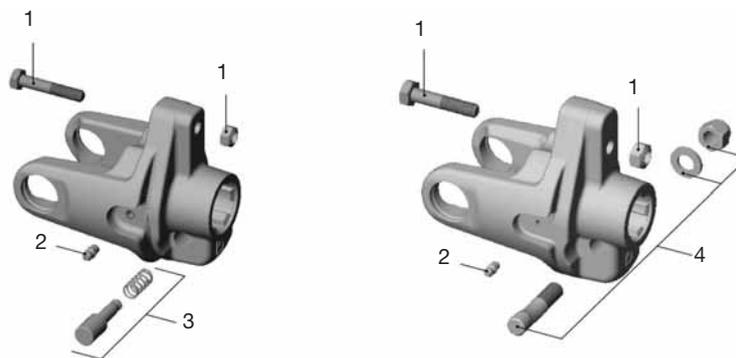
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		348014000R20	Grease fitting	
2	2	422C0V301	Housing	
	43-4	422E0V301		
	5	422G0V301		
3		421340007R06	Ratchet + springs	
4		2270R0302	Hub	1 3/8" Z6
5		240000294R02	Seal plate	
6		338005000R20	Retaining ring	82 x 2.5 DIN 472/1
7		435000321R	Ball collar kit	

LB SHEAR BOLT TORQUE LIMITER



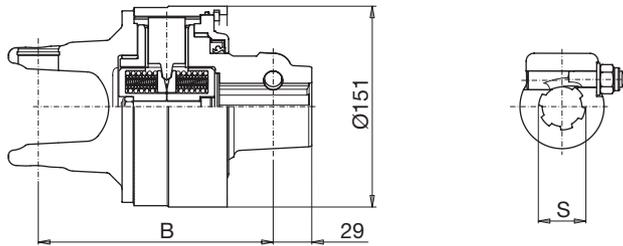
Push pin for sizes 1, 2, 43, and 4 Taper pin for sizes 5, 6, 7, and 8

SIZE	TORQUE Nm	B mm	R1 mm	R2 mm	SPARE PARTS CODE				
					1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20	
1	650	80	37	68	6060B0304R	6060B3703R	---	---	M6x40 Cl. 8.8
	700	80	40	68	6060B0302R	6060B3702R	---	---	M6x40 Cl. 8.8
2	950	87	55	68	6060C0302R	6060C3702R	---	---	M6x40 Cl. 8.8
	1050	87	60	68	6060C0308R	6060C3704R	---	---	M8x45 Cl. 8.8
43	1400	93	45	68	6060E0303R	6060E3704R	---	---	M8x45 Cl. 8.8
	1700	93	55	68	6060E0302R	6060E3702R	---	---	M8x45 Cl. 8.8
4	1400	93	45	68	6060E0303R	6060E3704R	---	---	M8x45 Cl. 8.8
	1700	93	55	68	6060E0302R	6060E3702R	---	---	M8x45 Cl. 8.8
	2000	93	43	68	6060E0309R	6060E3711R	---	---	M10x50 Cl. 8.8
5	2100	106	67	80	6060G0319R	6060G3710R	6060G0408R	6060G3803R	M8x45 Cl. 8.8
	2400	106	50	80	6060G0304R	6060G3704R	6060G0404R	6060G3804R	M10x50 Cl. 8.8
6	2400	112	50	80	6060H0306R	6060H3707R	6060H0404R	6060H3807R	M10x50 Cl. 8.8
	2700	112	55	80	6060H0302R	6060H3702R	6060H0402R	6060H3802R	M10x50 Cl. 8.8
7	2700	115	55	80	6060L0303R	6060L3703R	6060L0404R	6060L3807R	M10x50 Cl. 8.8
	3200	115	66	80	6060L0305R	6060L3704R	6060L0407R	6060L3808R	M10x50 Cl. 8.8
8	3000	121	62	80	6060M0306R	6060M3705R	6060M0405R	6060M3811R	M10x50 Cl. 8.8
	3500	121	50	80	6060M0307R	6060M3703R	6060M0407R	6060M3809R	M12x55 Cl. 8.8

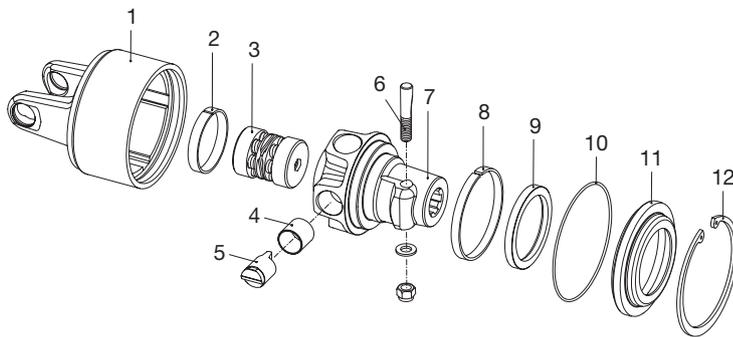


REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000002R05	Bolt & Nut	M6x40 Cl. 8.8
		432000047R05		M8x45 Cl. 8.8
		432000053R05		M10x50 Cl. 8.8
		432000124R05		M12x55 Cl. 8.8
2		348017000R20	Grease fitting	
3		403000001R10	Push pin kit	1 3/8" Z6 - Z21
4		408000048R02	Taper pin kit	1 3/8" Z6 - Z21
		408000052R02		1 3/4" Z6 - Z20

LR23 AUTOMATIC TORQUE LIMITER

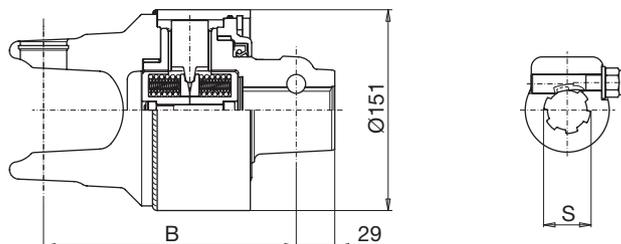


SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	*1200	172	172	---	---	6WE148003R	6WE148037R	---	---
	1500	172	172	---	---	6WE154003R	6WE154037R	---	---
	1700	172	172	---	---	6WE157003R	6WE157037R	---	---
5	*1500	177	177	---	---	6WG154003R	6WG154037R	---	---
	1700	177	177	---	---	6WG157003R	6WG157037R	---	---
	1900	177	177	---	---	6WG159003R	6WG159037R	---	---
	2100	177	177	---	---	6WG161003R	6WG161037R	---	---
6	*2100	184	184	---	---	6WH161003R	6WH161037R	---	---

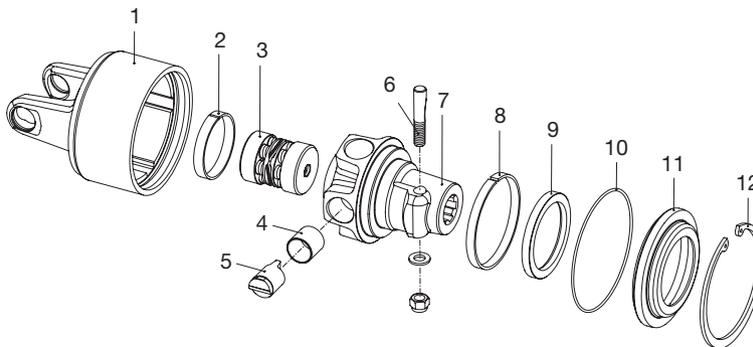


REF.	SIZE	CODE	DESCRIPTION	NOTES
1	4	4310E1151	Housing	
	5	4310G1151		
	6	431061151		
2		240000205R02	Bushing	
3		421154801R	Spring kit	1200 Nm
		421155401R		1500 Nm
		421155701R		1700 Nm
		421155901R		1900 Nm
		421156101R		2100 Nm
4		258000100R05	Sleeve	
5		250000101R05	Cam	
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
7		515150301	Hub with taper pin	1 3/8" Z6
		515153701		1 3/8" Z21
8		240000201R02	Bushing	
9		355006080R02	Sealing ring	80 x 100 x 10 mm
10		358000006R02	O-ring	139 x 2.6 mm
11		240000202R02	Cover ring	
12		338000138R20	Retaining ring	138 x 4 DIN 472/1

LR24 AUTOMATIC TORQUE LIMITER

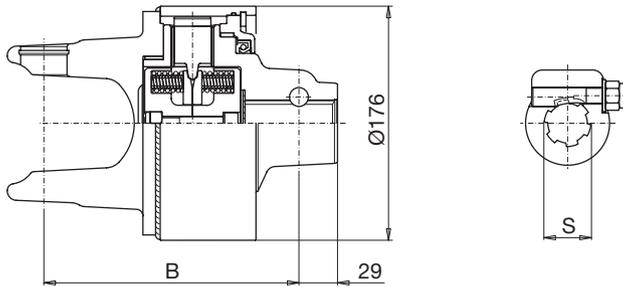


SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
6	2600	184	184	184	184	6WH266003R	6WH266037R	6WH266004R	6WH266038R
	2900	184	184	184	184	6WH269003R	6WH269037R	6WH269004R	6WH269038R
7	*2500	184	184	184	184	6WL265003R	6WL265037R	6WL265004R	6WL265038R
	3000	184	184	184	184	6WL270003R	6WL270037R	6WL270004R	6WL270038R
8	*2500	192	192	192	192	6WM265003R	6WM265037R	6WM265004R	6WM265038R
	3000	192	192	192	192	6WM270003R	6WM270037R	6WM270004R	6WM270038R

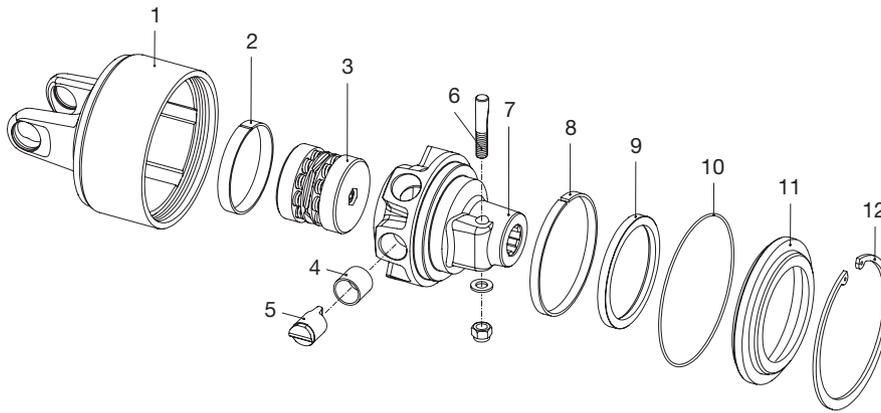


REF.	SIZE	CODE	DESCRIPTION	NOTES
1	6	431062152	Housing	
	7	4310L2152		
	8	431082152		
2		240000205R02	Bushing	
3		421166502R	Spring kit	2500 Nm
		421166601R		2600 Nm
		421166902R		2900 Nm
		421167001R		3000 Nm
4		258000100R05	Sleeve	
5		250000108R05	Cam	
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000052R02		1 3/4" Z6 - Z20
7		515160301	Hub with taper pin	1 3/8" Z6
		515163701		1 3/8" Z21
		515160401		1 3/4" Z6
		515163801		1 3/4" Z20
8		240000201R02	Bushing	
9		355006080R02	Sealing ring	80 x 100 x 10 mm
10		358000006R02	O-ring	139 x 2.6 mm
11		240000202R02	Cover ring	
12		338000138R20	Retaining ring	138 x 4 DIN 472/1

LR35 AUTOMATIC TORQUE LIMITER



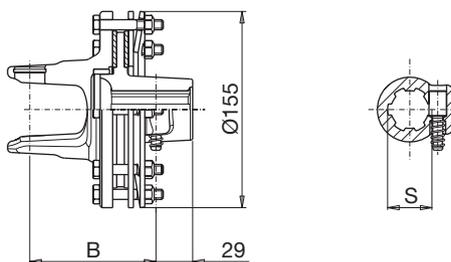
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
8	3500	192	192	192	192	6WM481003R	6WM481037R	6WM481004R	6WM481038R



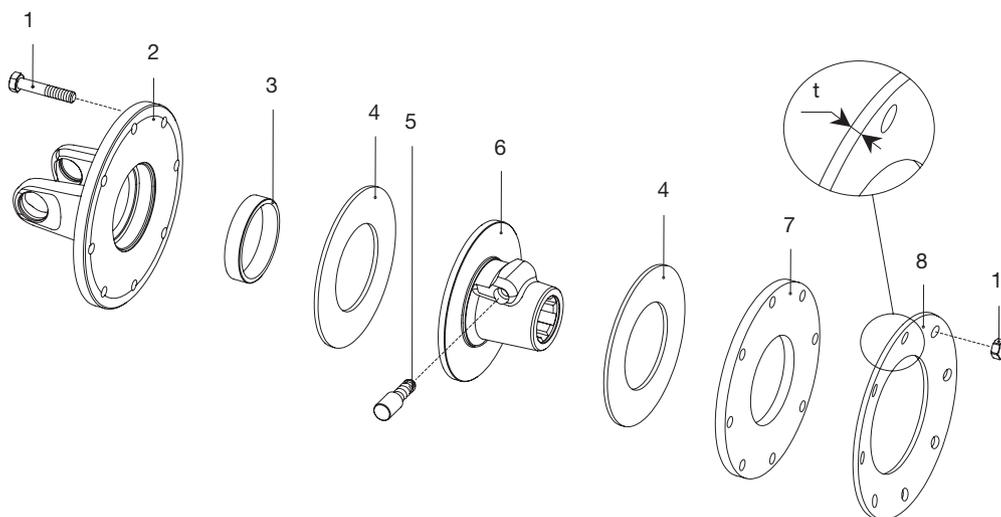
REF.	SIZE	CODE	DESCRIPTION	NOTES
1	8	431084151	Housing	
2		240000711R02	Bushing	
3		421188101R	Spring kit	3500 Nm
4		258000100R05	Sleeve	
5		250000101R05	Cam	
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000052R02		1 3/4" Z6 - Z20
7		515180301	Hub with taper pin	1 3/8" Z6
		515183701		1 3/8" Z21
		515180401		1 3/4" Z6
		515183801		1 3/4" Z20
8		240000712R02	Bushing	
9		355000105R02	Sealing ring	105 x 125 x 10 mm
10		358000007R02	O-ring	64.7 x 2.6 mm
11		240000710R02	Cover ring	
12		338000162R20	Retaining ring	162 x 4 DIN 472/1

FV22 FRICTION TORQUE LIMITER

Adjustable torque setting



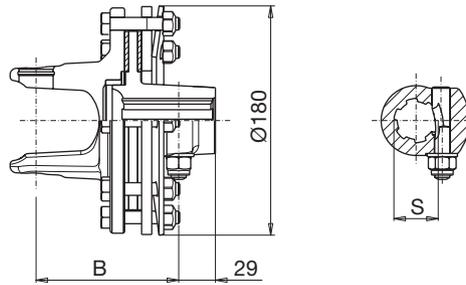
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	*400	92	92	---	---	661B24103R	661B24137R	---	---
	500	92	92	---	---	661B28103R	661B28137R	---	---
2	*500	100	100	---	---	661C28103R	661C28137R	---	---
	600	100	100	---	---	661C32103R	661C32137R	---	---
43	*600	101	101	---	---	661E32103R	661E32137R	---	---
	800	101	101	---	---	661E39103R	661E39137R	---	---
4	800	101	101	---	---	661E39103R	661E39137R	---	---



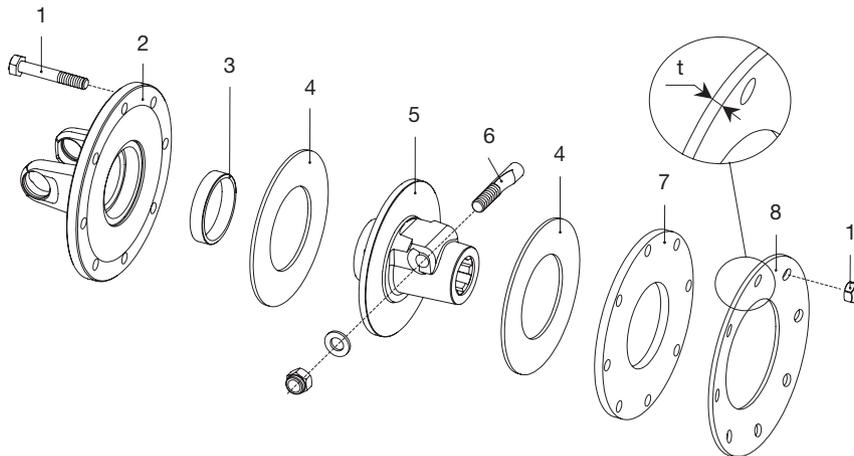
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000003R08	Bolt and nut	M8 x 50 mm
2	1	2530B8503	Flange yoke	
	2	2530C8503		
	43-4	2530E8503		
3		258005320R02	Bushing	
4		247006151R08	Friction disc	D = 124 ; d = 67 mm
5		403000001R10	Push pin kit	1 3/8" Z6 - Z21
6		513850307	Hub with push pin	1 3/8" Z6
		513853707		1 3/8" Z21
7		2481A0001	Inner plate	Sp. = 4 mm
8		367005850	Belleville spring	t = 3.75 mm

FV32 FRICTION TORQUE LIMITER

Adjustable torque setting



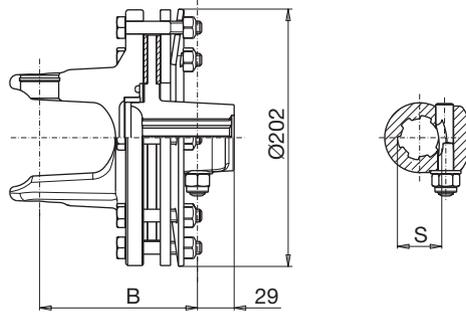
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	*900	113	113	---	---	661E41203R	661E41237R	---	---
	1000	113	113	---	---	661E44203R	661E44237R	---	---
5	900	117	117	---	---	661G41203R	661G41237R	---	---
	1000	117	117	---	---	661G44203R	661G44237R	---	---
	*1100	117	117	---	---	661G46203R	661G46237R	---	---



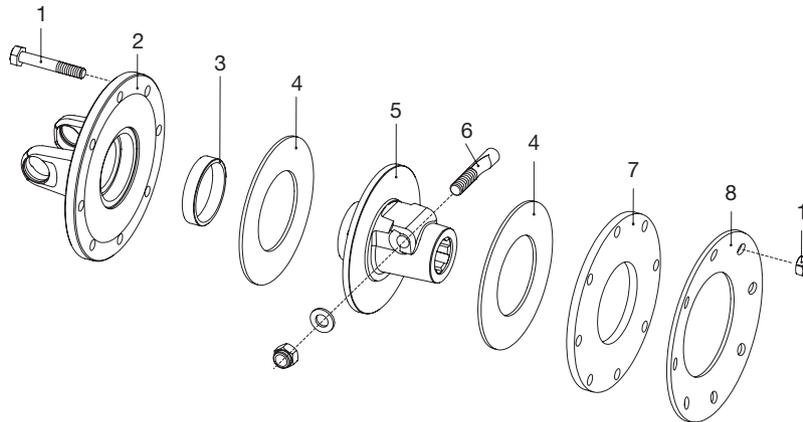
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000054R08	Bolt and nut	M10 x 55 mm
2	4	253048602	Flange yoke	
	5	253058901		
3		258005320R02	Bushing	
4		247006251R08	Friction disc	D = 141 ; d = 77 mm
5		515860305	Hub with taper pin	1 3/8" Z6
		515863705		1 3/8" Z21
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
7		248860007	Inner plate	Sp. = 8 mm
8		367008860	Belleville spring	t = 3.75 mm

FV42 FRICTION TORQUE LIMITER

Adjustable torque setting



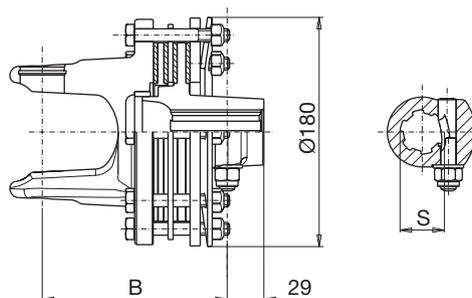
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	117	117	122	122	661G48403R	661G48437R	661G48404R	661G48438R
6	*1200	125	125	130	130	661H48403R	661H48437R	661H48404R	661H48438R
	1350	125	125	130	130	661H51403R	661H51437R	661H51404R	661H51438R
	1450	125	125	130	130	661H53403R	661H53437R	661H53404R	661H53438R
7	1350	131	131	136	136	661L51403R	661L51437R	661L51404R	661L51438R
	*1450	131	131	136	136	661L53403R	661L53437R	661L53404R	661L53438R
	1600	131	131	136	136	661L56403R	661L56437R	661L56404R	661L56438R
	1800	131	131	136	136	661L58403R	661L58437R	661L58404R	661L58438R



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000008R08	Bolt and nut	M10 x 60 mm
2	5	253058701	Flange yoke	
	6	253069001		
	7	253078702		
3		258005320R02	Bushing	
4		247006351R08	Friction disc	D = 162 ; d = 85 mm
5		515870305	Hub with taper pin	1 3/8" Z6
		515873705		1 3/8" Z21
		515870405		1 3/4" Z6
		515873805		1 3/4" Z20
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
7		248870007	Inner plate	Sp. = 8 mm
8		367009870	Belleville spring	t = 4.25 mm

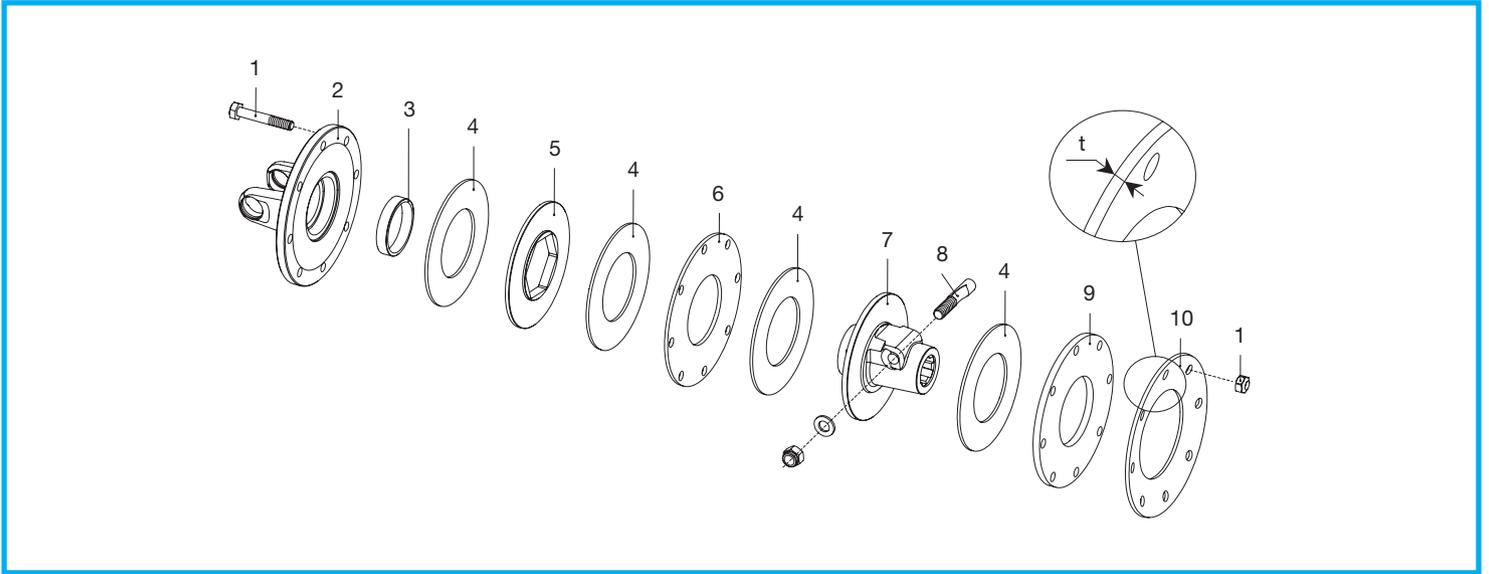
FV34 FRICTION TORQUE LIMITER

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	133	133	138	138	661G48303R	661G48337R	661G48304R	661G48338R
6	*1200	140	140	145	145	661H48303R	661H48337R	661H48304R	661H48338R
	1350	140	140	145	145	661H51303R	661H51337R	661H51304R	661H51338R
	1450	140	140	145	145	661H53303R	661H53337R	661H53304R	661H53338R
7	1350	146	146	151	151	661L51303R	661L51337R	661L51304R	661L51338R
	*1450	146	146	151	151	661L53303R	661L53337R	661L53304R	661L53338R
	1600	146	146	151	151	661L56303R	661L56337R	661L56304R	661L56338R
	1800	146	146	151	151	661L58303R	661L58337R	661L58304R	661L58338R
8	*1800	148	148	153	153	661M58303R	661M58337R	661M58304R	661M58338R
	2000	148	148	153	153	661M60303R	661M60337R	661M60304R	661M60338R

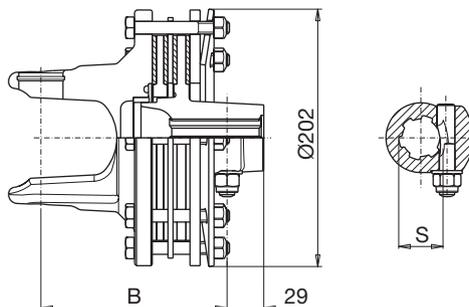
*Torque setting for 1000 min⁻¹



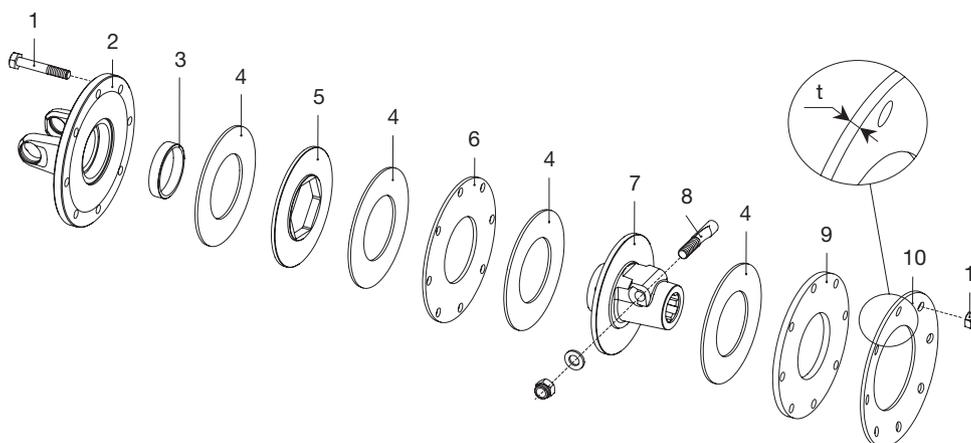
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000114R08	Bolt and nut	M10 x 75 mm
2	5	253058901	Flange yoke	
	6	253068903		
	7	253078601		
	8	253088903		
3		258005320R02	Bushing	
4		247006251R08	Friction disc	D = 141 ; d = 77 mm
5		248727702	Drive plate	
6		248860001	Inner plate	Sp. = 4 mm
7		515890305	Hub with taper pin	1 3/8" Z6
		515893705		1 3/8" Z21
		515890405		1 3/4" Z6
		515893805		1 3/4" Z20
8		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000049R02		1 3/4" Z6 - Z20
9		248860007	Inner plate	Sp. = 8 mm
10		367008860	Belleville spring	t = 3.75 mm

FV44 FRICTION TORQUE LIMITER

Adjustable torque setting



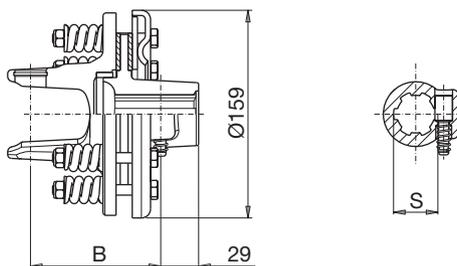
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	147	147	152	152	661L58503R	661L58537R	661L58504R	661L58538R
8	*1800	149	149	154	154	661M58503R	661M58537R	661M58504R	661M58538R
	2000	149	149	154	154	661M60503R	661M60537R	661M60504R	661M60538R
	2200	149	149	154	154	661M62503R	661M62537R	661M62504R	661M62538R



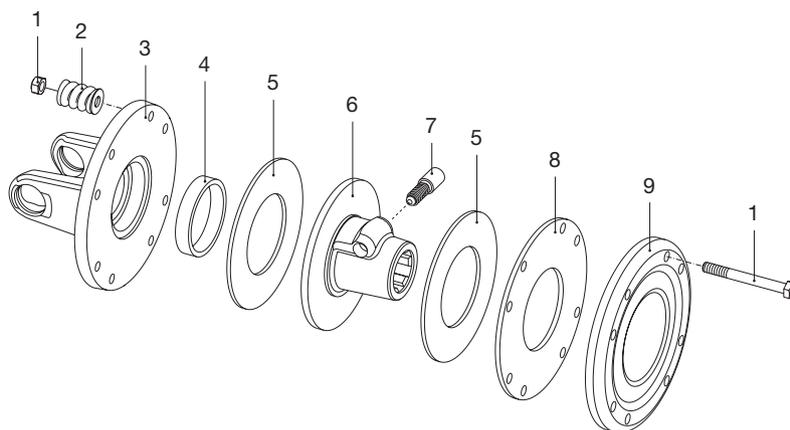
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000114R08	Bolt and nut	M10 x 75 mm
2	7	253078702	Flange yoke	
	8	253089001		
3		258005320R02	Bushing	
4		247006351R08	Friction disc	D = 162 ; d = 85 mm
5		248737702	Drive plate	
6		248870011	Inner plate	Sp. = 4 mm
7		515900305	Hub with taper pin	1 3/8" Z6
		515903705		1 3/8" Z21
		515900405		1 3/4" Z6
		515903805		1 3/4" Z20
8		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
9		248870007	Inner plate	Sp. = 8 mm
10		367009870	Belleville spring	t = 4.25 mm

FFV22 FRICTION TORQUE LIMITER (COIL SPRING)

Adjustable torque setting



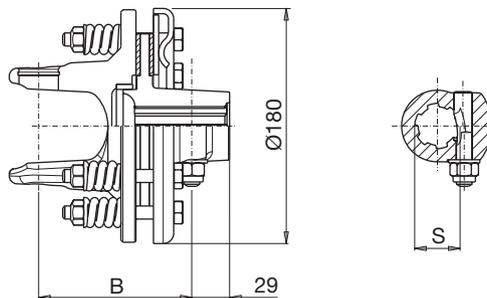
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	*400	92	92	---	---	635B24103R	635B24137R	---	---
	500	92	92	---	---	635B28103R	635B28137R	---	---
2	*500	100	100	---	---	635C28103R	635C28137R	---	---
	600	100	100	---	---	635C32103R	635C32137R	---	---
43	*600	101	101	---	---	635E32103R	635E32137R	---	---
	800	101	101	---	---	635E39103R	635E39137R	---	---
4	800	101	101	---	---	635E39103R	635E39137R	---	---



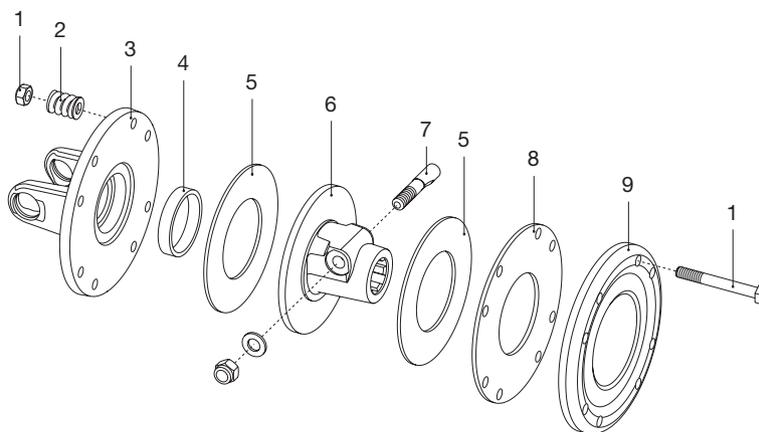
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000031R08	Bolt and nut	M8 x 75 mm
2		351015001R08	Coil spring	f = 6 mm
3	1	2530B1A05	Flange yoke	
	2	2530C1A05		
	43-4	2530E1A05		
4		258005320R02	Bushing	
5		247006151R08	Friction disc	D = 124 ; d = 67 mm
6		513850307	Hub with push pin	1 3/8" Z6
		513853707		1 3/8" Z21
7		403000001R10	Push pin	1 3/8" Z6 - Z21
8		2481A0007	Inner plate	Sp. = 4 mm
9		2481A0006	Pressure plate	

FFV32 FRICTION TORQUE LIMITER (COIL SPRING)

Adjustable torque setting



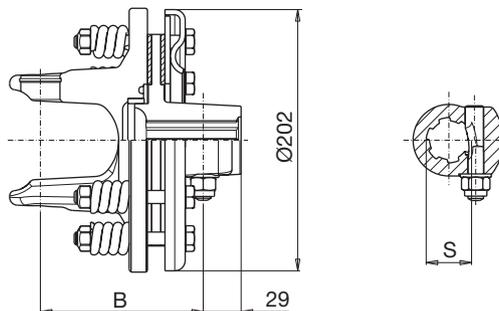
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	*900	113	113	---	---	635E41203R	635E41237R	---	---
	1000	113	113	---	---	635E44203R	635E44237R	---	---
5	900	113	113	---	---	635G41203R	635G41237R	---	---
	1000	117	117	---	---	635G44203R	635G44237R	---	---
	*1100	117	117	---	---	635G46203R	635G46237R	---	---



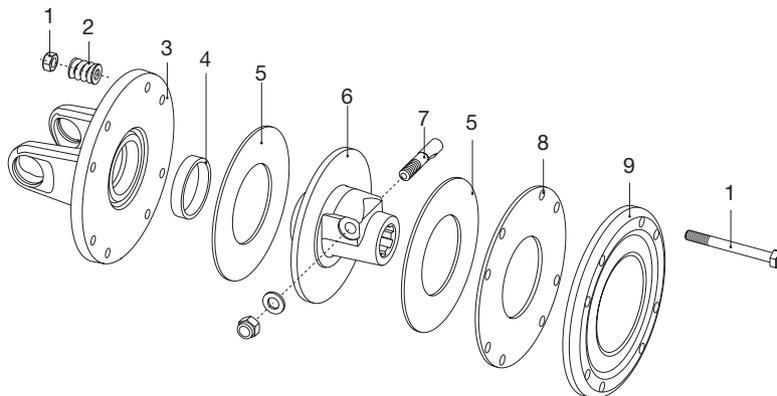
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000006R08	Bolt and nut	M10 x 85 mm
2		351022370R08	Coil spring	f = 6 mm
3	4	2530E1C05	Flange yoke	
	5	2530G1C05		
4		258005320R02	Bushing	
5		247006251R08	Friction disc	D = 141 ; d = 77 mm
6		515860305	Hub with taper pin	1 3/8" Z6
		515863705		1 3/8" Z21
7		408000047R02	Taper pin	1 3/8" Z6 - Z21
8		2481C0007	Inner plate	Sp. = 4 mm
9		248220007	Pressure plate	

FFV42 FRICTION TORQUE LIMITER (COIL SPRING)

Adjustable torque setting



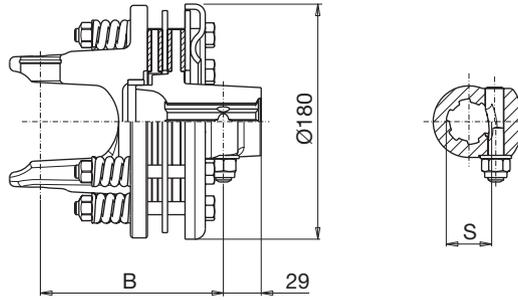
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	117	117	122	122	635G48403R	635G48437R	635G48404R	635G48438R
6	*1200	125	125	130	130	635H48403R	635H48437R	635H48404R	635H48438R
	1350	125	125	130	130	635H51403R	635H51437R	635H51404R	635H51438R
	1450	125	125	130	130	635H53403R	635H53437R	635H53404R	635H53438R
7	1350	131	131	136	136	635L51403R	635L51437R	635L51404R	635L51438R
	*1450	131	131	136	136	635L53403R	635L53437R	635L53404R	635L53438R
	1600	131	131	136	136	635L56403R	635L56437R	635L56404R	635L56438R
	1800	131	131	136	136	635L58403R	635L58437R	635L58404R	635L58438R



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000006R08	Bolt and nut	M10 x 85 mm
2		351013370R08	Coil spring	f = 7 mm
3	5	2530G1E05	Flange yoke	
	6	2530H1E05		
	7	2530L1E05		
4		258005320R02	Bushing	
5		247006351R08	Friction disc	D = 162 ; d = 85 mm
6		515870305	Hub with taper pin	1 3/8" Z6
		515873705		1 3/8" Z21
		515870405		1 3/4" Z6
		515873805		1 3/4" Z20
7		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
8		2481E0007	Inner plate	Sp. = 4 mm
9		248230006	Pressure plate	

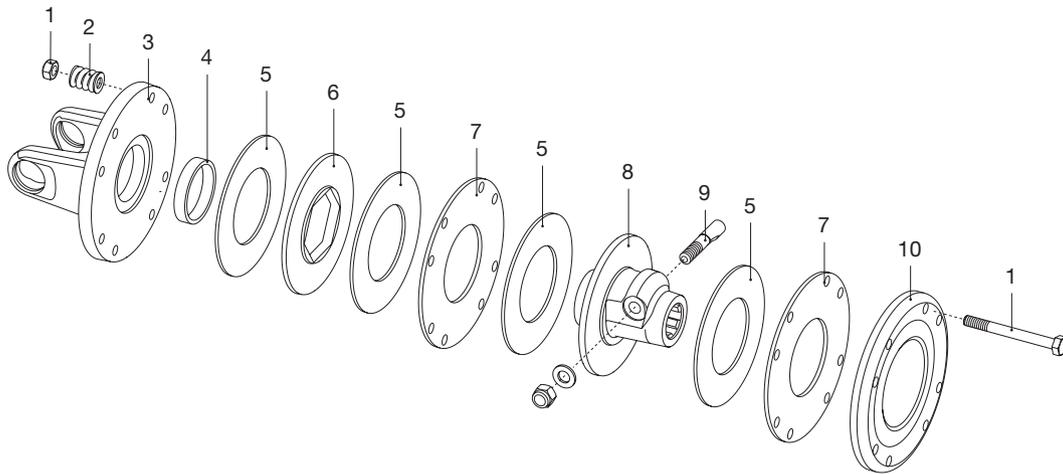
FFV34 FRICTION TORQUE LIMITER (COIL SPRING)

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	133	133	138	138	635G48303R	635G48337R	635G48304R	635G48338R
6	*1200	140	140	145	145	635H48303R	635H48337R	635H48304R	635H48338R
	1350	140	140	145	145	635H51303R	635H51337R	635H51304R	635H51338R
	1450	140	140	145	145	635H53303R	635H53337R	635H53304R	635H53338R
7	1350	146	146	151	151	635L51303R	635L51337R	635L51304R	635L51338R
	*1450	146	146	151	151	635L53303R	635L53337R	635L53304R	635L53338R
	1600	146	146	151	151	635L56303R	635L56337R	635L56304R	635L56338R
	1800	146	146	151	151	635L58303R	635L58337R	635L58304R	635L58338R
8	*1800	148	148	153	153	635M58303R	635M58337R	635M58304R	635M58338R
	2000	148	148	153	153	635M60303R	635M60337R	635M60304R	635M60338R

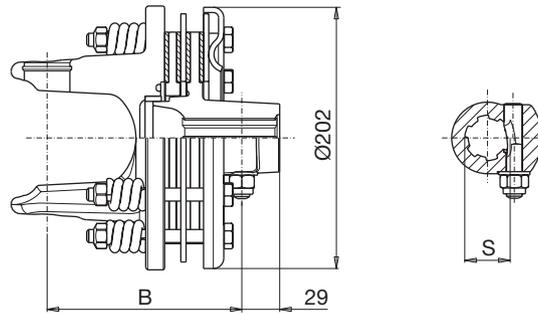
*Torque setting for 1000 min⁻¹



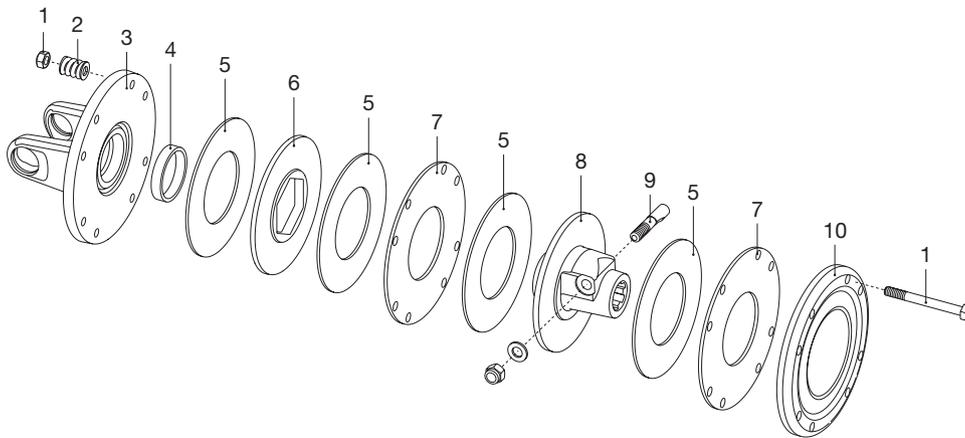
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000007R08	Bolt and nut	M10 x 100 mm
2		351022370R08	Coil spring	f = 6 mm
3	5	2530G1C05	Flange yoke	
	6	2530H1C05		
	7	2530L1C05		
	8	2530M1C05		
4		258005320R02	Bushing	
5		247006251R08	Friction disc	D = 141 ; d = 77 mm
6		248727702	Drive plate	
7		2481C0007	Inner plate	Sp. = 4 mm
8		515890305	Hub with taper pin	1 3/8" Z6
		515893705		1 3/8" Z21
		515890405		1 3/4" Z6
		515893805		1 3/4" Z20
9		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000049R02		1 3/4" Z6 - Z20
10		248220007	Pressure plate	

FFV44 FRICTION TORQUE LIMITER (COIL SPRING)

Adjustable torque setting



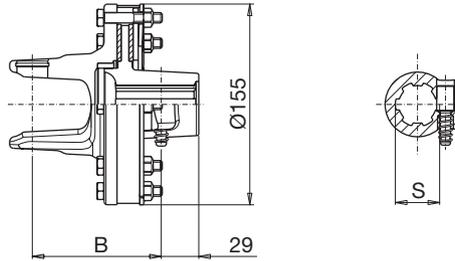
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	147	147	152	152	635L58503R	635L58537R	635L58504R	635L58538R
8	*1800	149	149	154	154	635M58503R	635M58537R	635M58504R	635M58538R
	2000	149	149	154	154	635M60503R	635M60537R	635M60504R	635M60538R
	2200	149	149	154	154	635M62503R	635M62537R	635M62504R	635M62538R



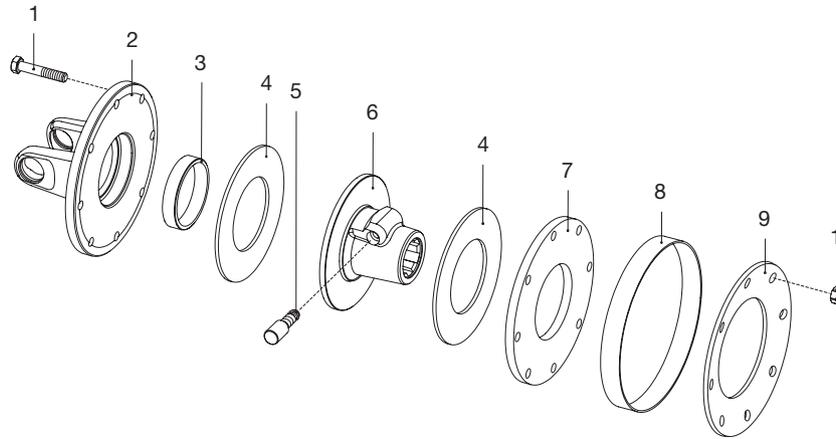
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000122R08	Bolt and nut	M10 x 105 mm
2		351013370R08	Coil spring	f = 7 mm
3	7	2530L1E05	Flange yoke	
	8	2530M1E05		
4		258005320R02	Bushing	
5		247006351R08	Friction disc	D = 162 ; d = 85 mm
6		248737702	Drive plate	
7		2481E0007	Inner plate	Sp. = 4 mm
8		515900305	Hub with taper pin	1 3/8" Z6
		515903705		1 3/8" Z21
		515900405		1 3/4" Z6
		515903805		1 3/4" Z20
9		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
10		248230006	Pressure plate	

FT22 FRICTION TORQUE LIMITER

Non-adjustable torque setting



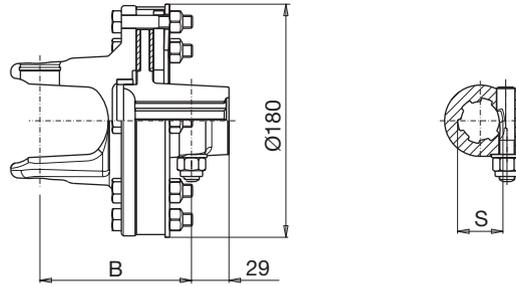
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
1	*400	92	92	---	---	663B24103R	663B24137R	---	---
	500	92	92	---	---	663B28103R	663B28137R	---	---
2	*500	100	100	---	---	663C28103R	663C28137R	---	---
	600	100	100	---	---	663C32103R	663C32137R	---	---
43	*600	101	101	---	---	663E32103R	663E32137R	---	---
	800	101	101	---	---	663E39103R	663E39137R	---	---
4	800	101	101	---	---	663E39103R	663E39137R	---	---



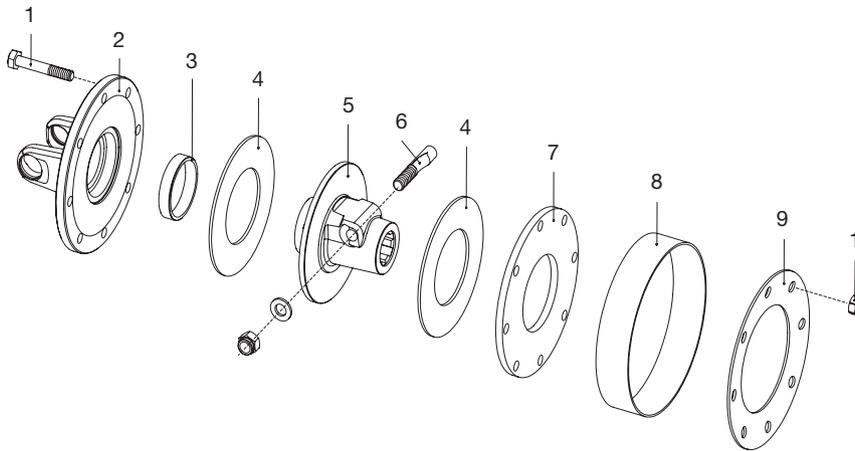
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000047R08	Bolt and nut	M8 x 45 mm
2	1	2530B8503	Flange yoke	
	2	2530C8503		
	43-4	2530E8503		
3		258005320R02	Bushing	
4		247006151R08	Friction disc	D = 124 ; d = 67 mm
5		403000001R10	Push pin	1 3/8" Z6 - Z21
6		513850307	Hub with push pin	1 3/8" Z6
		513853707		1 3/8" Z21
7		2481A0002	Inner plate	Sp. = 4 mm
8		240001059	Spacer band	
9		367FT220A	Belleville spring	400 Nm
		367FT220C		500 Nm
		367FT220D		600 Nm
		367FT220E		800 Nm

FT32 FRICTION TORQUE LIMITER

Non-adjustable torque setting



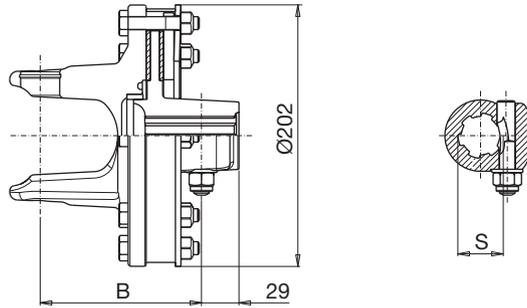
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	*900	113	113	---	---	663E41203R	663E41237R	---	---
5	1000	113	113	---	---	663E44203R	663E44237R	---	---
	900	117	117	---	---	663G41203R	663G41237R	---	---
	1000	117	117	---	---	663G44203R	663G44237R	---	---
	*1100	117	117	---	---	663G46203R	663G46237R	---	---



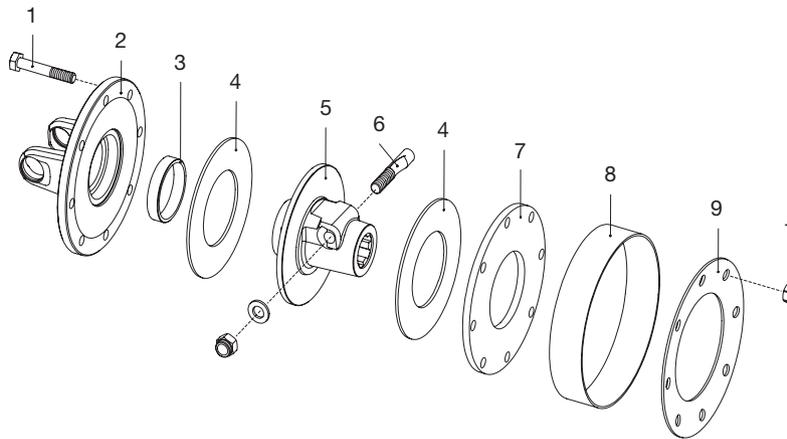
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000054R08	Bolt and nut	M10 x 55 mm
2	4	253048602	Flange yoke	
	5	253058901		
3		258005320R02	Bushing	
4		247006251R08	Friction disc	D = 141 ; d = 77 mm
5		515860305	Hub with taper pin	1 3/8" Z6
		515863705		1 3/8" Z21
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
7		248860005	Inner plate	Sp. = 8 mm
8		240000213	Spacer band	
9		367FT320A	Belleville spring	900 Nm
		367FT320C		1000 Nm
		367FT320D		1100 Nm

FT42 FRICTION TORQUE LIMITER

Non-adjustable torque setting



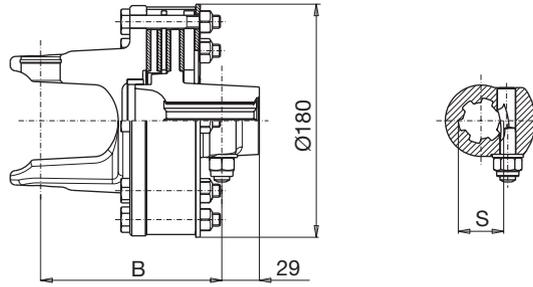
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	117	117	122	122	663G48403R	663G48437R	663G48404R	663G48438R
6	*1200	125	125	130	130	663H48403R	663H48437R	663H48404R	663H48438R
	1450	125	125	130	130	663H53403R	663H53437R	663H53404R	663H53438R
7	*1450	131	131	136	136	663L53403R	663L53437R	663L53404R	663L53438R
	1800	131	131	136	136	663L58403R	663L58437R	663L58404R	663L58438R



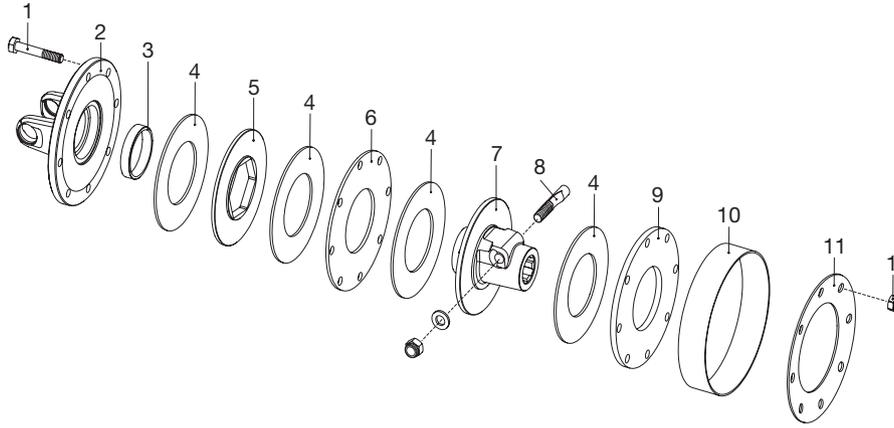
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000054R08	Bolt and nut	M10 x 55 mm
2	5	253058701	Flange yoke	
	6	253069001		
	7	253078702		
3		258005320R02	Bushing	
4		247006351R08	Friction disc	D = 162 ; d = 85 mm
5		515870305	Hub with taper pin	1 3/8" Z6
		515873705		1 3/8" Z21
		515870405		1 3/4" Z6
		515873805		1 3/4" Z20
6		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
7		248870005	Inner plate	Sp. = 8 mm
8		240000214	Spacer band	
9		367FT420A	Belleville spring	1200 Nm
		367FT420C		1450 Nm
		367FT420D		1800 Nm

FT34 FRICTION TORQUE LIMITER

Non-adjustable torque setting



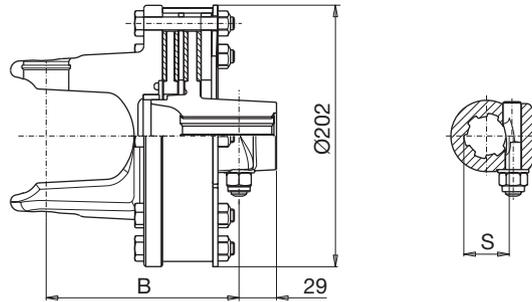
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	133	133	138	138	663G48303R	663G48337R	663G48304R	663G48338R
6	*1200	140	140	145	145	663H48303R	663H48337R	663H48304R	663H48338R
7	1450	140	140	145	145	663H53303R	663H53337R	663H53304R	663H53338R
	*1450	146	146	151	151	663L53303R	663L53337R	663L53304R	663L53338R
	1800	146	146	151	151	663L58303R	663L58337R	663L58304R	663L58338R



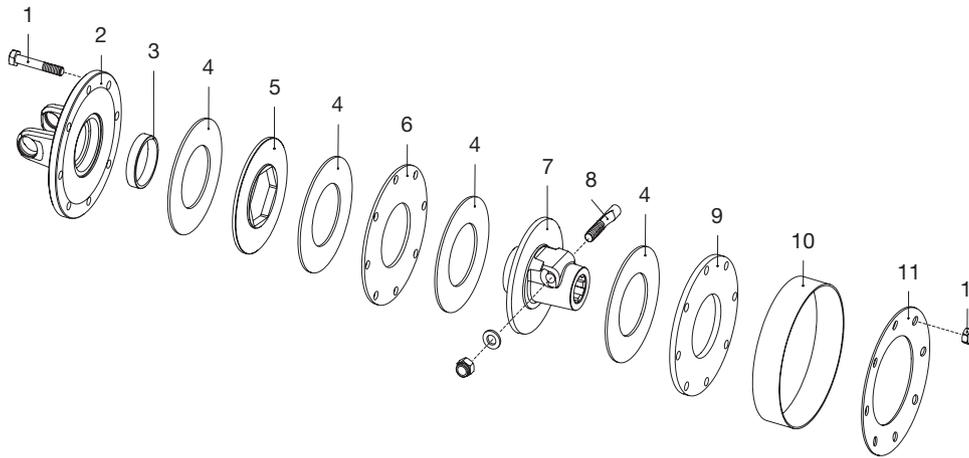
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000045R08	Bolt and nut	M10 x 65 mm
2	5	253058901	Flange yoke	
	6	253068903		
	7	253078601		
3		258005320R02	Bushing	
4		247006251R08	Friction disc	D = 141 ; d = 77 mm
5		248727702	Drive plate	
6		248860001	Inner plate	Sp. = 4 mm
7		515890305	Hub with taper pin	1 3/8" Z6
		515893705		1 3/8" Z21
		515890405		1 3/4" Z6
		515893805		1 3/4" Z20
8		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000049R02		1 3/4" Z6 - Z20
9		248860005	Inner plate	Sp. = 8 mm
10		240000218	Spacer band	
11		367FT340A	Belleville spring	1200 Nm
		367FT340C		1450 Nm
		367FT340D		1800 Nm

FT44 FRICTION TORQUE LIMITER

Non-adjustable torque setting



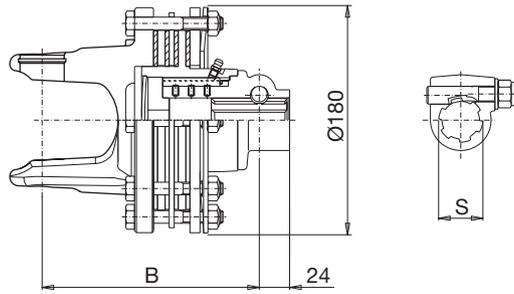
SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	147	147	152	152	663L58503R	663L58537R	663L58504R	663L58538R
8	*1800	149	149	154	154	663M58503R	663M58537R	663M58504R	663M58538R
	2200	149	149	154	154	663M62503R	663M62537R	663M62504R	663M62538R



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000100R08	Bolt and nut	M10 x 55 mm
2	7	253078702	Flange yoke	
	8	253089001		
3		258005320R02	Bushing	
4		247006351R08	Friction disc	D = 162 ; d = 85 mm
5		248737702	Drive plate	
6		248870011	Inner plate	Sp. = 4 mm
7		515900305	Hub with taper pin	1 3/8" Z6
		515903705		1 3/8" Z21
		515900405		1 3/4" Z6
		515903805		1 3/4" Z20
8		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20
9		248870005	Inner plate	Sp. = 8 mm
10		240000219	Spacer band	
11		367FT440A	Belleville spring	1800 Nm
		367FT440C		2200 Nm
		367FT440D		2400 Nm
		367FT440E		2600 Nm

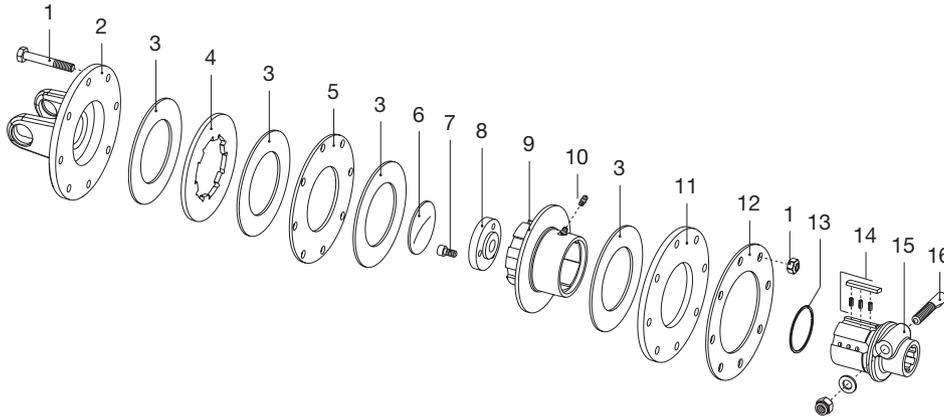
FNV34 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	158	158	---	---	665G48103R	665G48137R	---	---
6	*1200	166	166	---	---	665H48103R	665H48137R	---	---
	1350	166	166	---	---	665H51103R	665H51137R	---	---
	1450	166	166	---	---	665H53103R	665H53137R	---	---
7	1350	172	172	---	---	665L51103R	665L51137R	---	---
	*1450	172	172	---	---	665L53103R	665L53137R	---	---
	1600	172	172	---	---	665L56103R	665L56137R	---	---
	1800	172	172	---	---	665L58103R	665L58137R	---	---
8	*1800	174	174	---	---	665M58103R	665M58137R	---	---
	2000	174	174	---	---	665M60103R	665M60137R	---	---

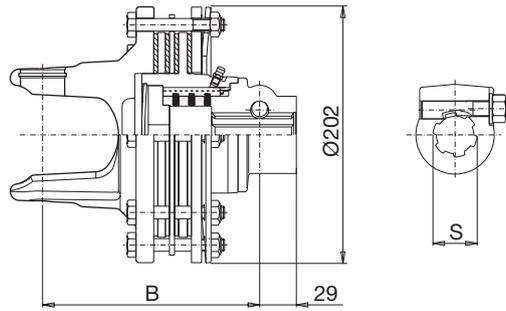
*Torque setting for 1000 min⁻¹



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000114R08	Bolt and nut	M 10 x 75 mm
2	5	2530G1L01	Flange yoke	
	6	2530H1L01		
	7	2530L1L01		
	8	2530M1L01		
3		247000054R08	Friction disc	D = 140 ; d = 85 mm
4		2481L0003	Drive plate	
5		2481L0001	Inner plate	Sp. = 4 mm
6		240000737	Seal plate	
7		303008001R03	Screw	M8 x 16
8		240000736	Cap - overrunning clutch	
9		4271L0101	Flanged housing	
10		348017000R20	Grease fitting	
11		2481L0005	Inner plate	Sp. = 8 mm
12		367008860	Belleville spring	1200 Nm
13		339002060R20	Retaining ring	
14		4211L0001R06	Pawl + spring kit	
15		5151L0301	Hub with taper pin	1 3/8" Z6
		5151L3701		1 3/8" Z21
16		408000047R02	Taper pin	1 3/8" Z6 - Z21

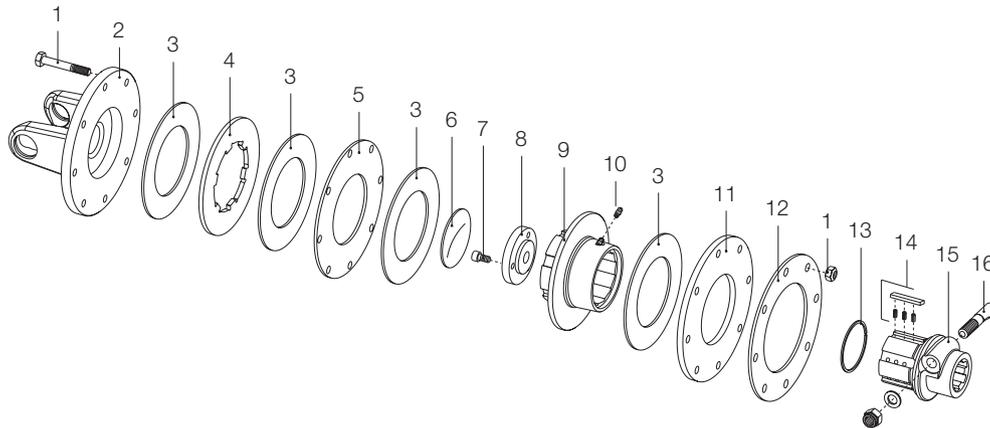
FNV44 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	172	172	172	172	665L58203R	665L58237R	665L58204R	665L58238R
8	*1800	174	174	174	174	665M58203R	665M58237R	665M58204R	665M58238R
	2000	174	174	174	174	665M60203R	665M60237R	665M60204R	665M60238R
	2200	174	174	174	174	665M62203R	665M62237R	665M62204R	665M62238R

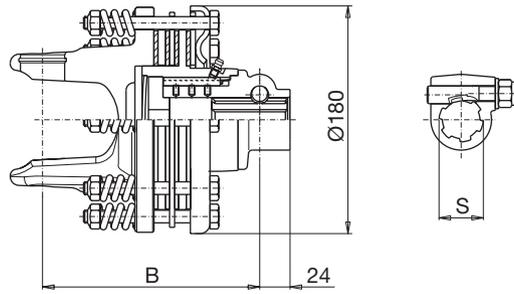
*Torque setting for 1000 min⁻¹



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000114R08	Bolt and nut	M 10 x 75 mm
2	7	2530L1M01	Flange yoke	
	8	2530M1M01		
3		247000061R08	Friction disc	D = 160 ; d = 97 mm
4		2481M0001	Drive plate	
5		2481M0002	Inner plate	Sp. = 4 mm
6		240000735	Seal plate	
7		303008001R03	Screw	M8 x 16
8		240000734	Cap - overrunning clutch	
9		4271M0101	Flanged housing	
10		348017000R20	Grease fitting	
11		2481H0004	Inner plate	Sp. = 8 mm
12		367009870	Belleville spring	
13		339002068R20	Retaining ring	
14		4211L0001R06	Pawl + spring kit	
15		5151M0301	Hub with taper pin	1 3/8" Z6
		5151M3701		1 3/8" Z21
		5151M0401		1 3/4" Z6
		5151M3801		1 3/4" Z20
16		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20

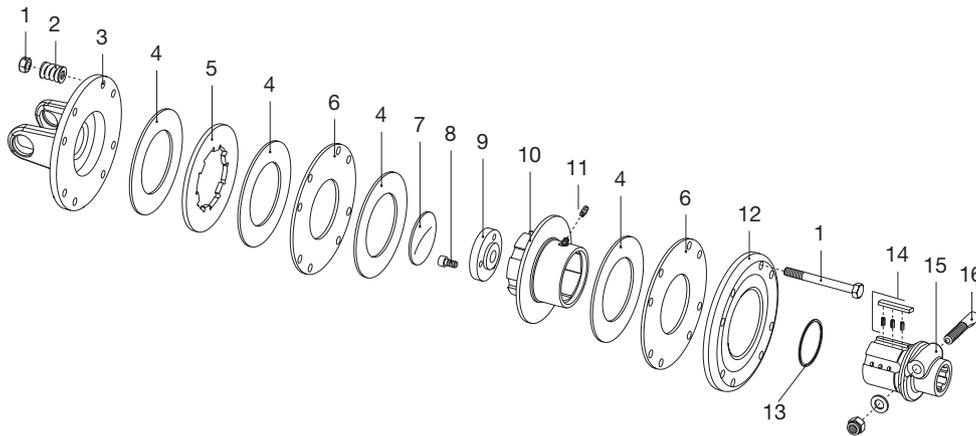
FFNV34 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	158	158	---	---	667G48103R	667G48137R	---	---
6	*1200	166	166	---	---	667H48103R	667H48137R	---	---
	1350	166	166	---	---	667H51103R	667H51137R	---	---
	1450	166	166	---	---	667H53103R	667H53137R	---	---
7	1350	172	172	---	---	667L51103R	667L51137R	---	---
	*1450	172	172	---	---	667L53103R	667L53137R	---	---
	1600	172	172	---	---	667L56103R	667L56137R	---	---
	1800	172	172	---	---	667L58103R	667L58137R	---	---
8	*1800	174	174	---	---	667M58103R	667M58137R	---	---
	2000	174	174	---	---	667M60103R	667M60137R	---	---

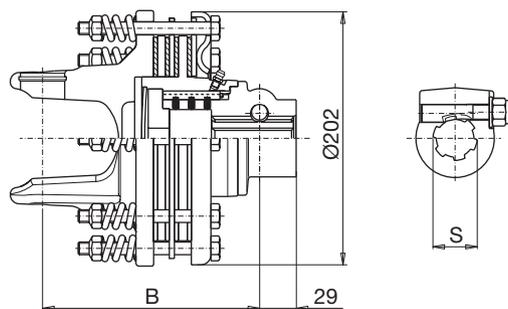
*Torque setting for 1000 min⁻¹



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000007R08	Bolt and nut	M10 x 100 mm
2		351022370R08	Coil spring	f = 6 mm
3	5	2530G1L05	Flange yoke	
	6	2530H1L05		
	7	2530L1L05		
	8	2530M1L05		
4		247000054R08	Friction disc	D = 140 ; d = 85 mm
5		2481L0003	Drive plate	
6		2481L0007	Inner plate	Sp. = 4 mm
7		240000737	Seal plate	
8		303008001R03	Screw	M8 x 16
9		240000736	Cap - overrunning clutch	
10		4271L0101	Flanged housing	
11		348017000R20	Grease fitting	
12		248220007	Pressure plate	
13		339002060R20	Retaining ring	
14		4211L0001R06	Pawl + spring kit	
15		5151L0301	Hub with taper pin	1 3/8" Z6
		5151L3701		1 3/8" Z21
16		408000047R02	Taper pin	1 3/8" Z6 - Z21

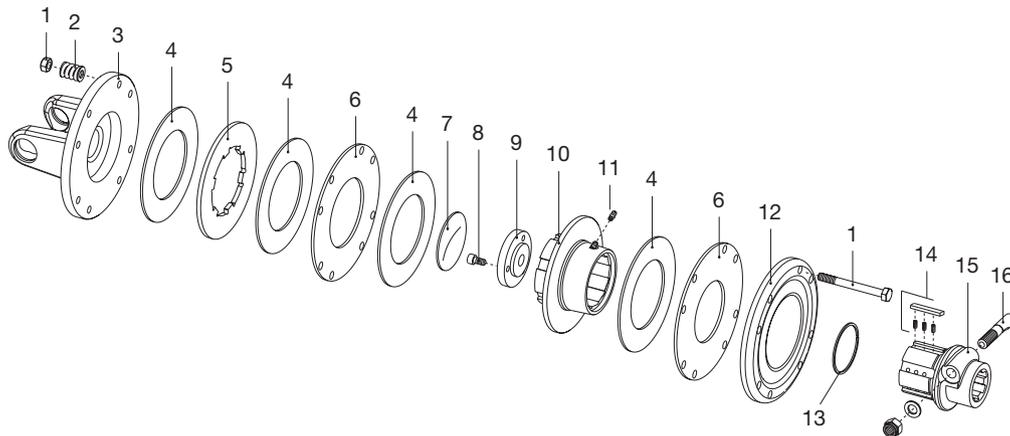
FFNV44 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	172	172	172	172	667L58203R	667L58237R	667L58204R	667L58238R
8	*1800	174	174	174	174	667M58203R	667M58237R	667M58204R	667M58238R
	2000	174	174	174	174	667M60203R	667M60237R	667M60204R	667M60238R
	2200	174	174	174	174	667M62203R	667M62237R	667M62204R	667M62238R

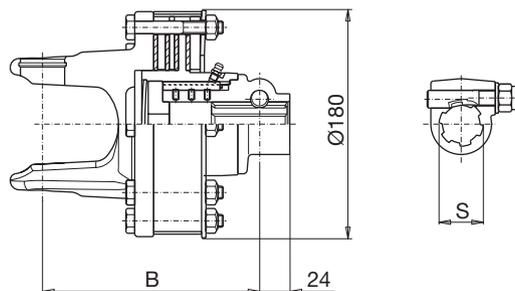
*Torque setting for 1000 min⁻¹



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000122R08	Bolt and nut	M10 x 105 mm
2		351013370R08	Coil spring	f = 7 mm
3	7	2530L1M05	Flange yoke	
	8	2530M1M05		
4		247000061R08	Friction disc	D = 160 ; d = 97 mm
5		2481M0001	Drive plate	
6		2481M0007	Inner plate	Sp. = 4 mm
7		240000735	Seal plate	
8		303008001R03	Screw	M8 x 16
9		240000734	Cap - overrunning clutch	
10		4271M0101	Flanged housing	
11		348017000R20	Grease fitting	
12		248230006	Pressure plate	
13		339002068R20	Retaining ring	
14		4211L0001R06	Pawl + spring kit	
15		5151M0301	Hub with taper pin	1 3/8" Z6
		5151M3701		1 3/8" Z21
		5151M0401		1 3/4" Z6
		5151M3801		1 3/4" Z20
16		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20

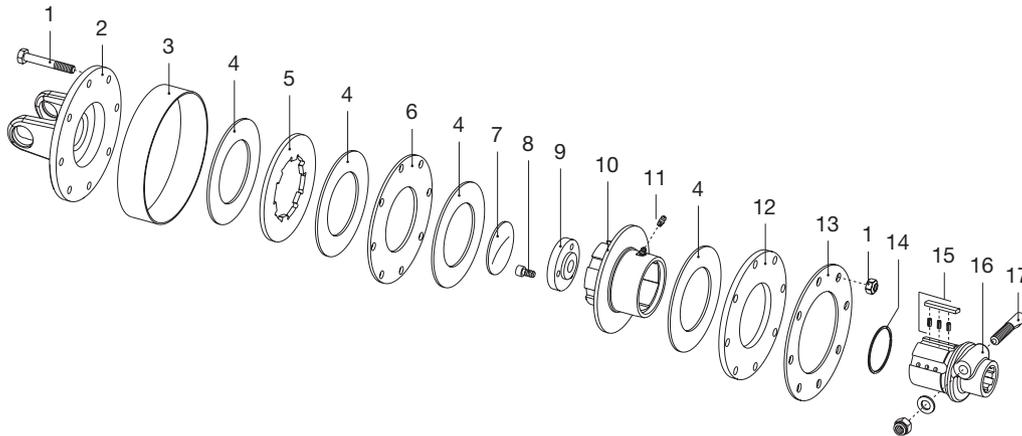
FNT34 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Non-adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	158	158	---	---	658G48103R	658G48137R	---	---
6	*1200	166	166	---	---	658H48103R	658H48137R	---	---
	1450	166	166	---	---	658H53103R	658H53137R	---	---
7	*1450	172	172	---	---	658L53103R	658L53137R	---	---
	1800	172	172	---	---	658L58103R	658L58137R	---	---
8	*1800	174	174	---	---	658M58103R	658M58137R	---	---

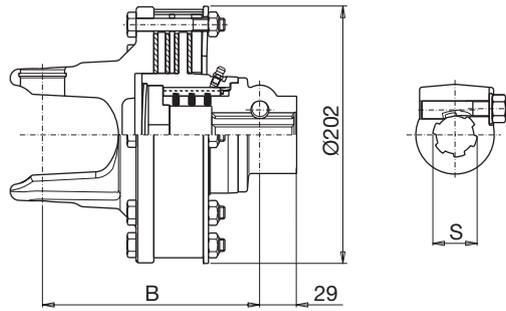
*Torque setting for 1000 min⁻¹



REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000100R08	Bolt and nut	M10 x 70 mm
2	5	2530G1L01	Flange yoke	
	6	2530H1L01		
	7	2530L1L01		
	8	2530M1L01		
3		240000218	Spacer band	
4		247000054R08	Friction disc	D = 140 ; d = 85 mm
5		2481L0003	Drive plate	
6		2481L0001	Inner plate	Sp. = 4 mm
7		2400000737	Seal plate	
8		303008001R03	Screw	M8 x 16
9		2400000736	Cap - overrunning clutch	
10		4271L0101	Flanged housing	
11		348017000R20	Grease fitting	
12		2481L0002	Inner plate	Sp. = 8 mm
		367FT340A	Belleville spring	1200 Nm
		367FT340C		1450 Nm
		367FT340D		1800 Nm
14		339002060R20	Retaining ring	
15		4211L0001R06	Pawl + spring kit	
16		5151L0301	Hub with taper pin	1 3/8" Z6
		5151L3701		1 3/8" Z21
17		408000047R02	Taper pin	1 3/8" Z6 - Z21

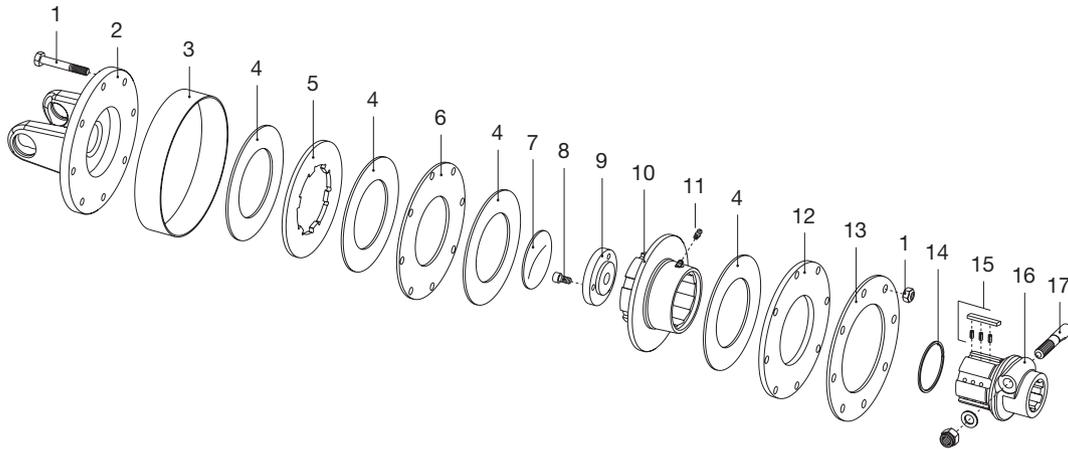
FNT44 FRICTION TORQUE LIMITER + OVERRUNNING CLUTCH

Non-adjustable torque setting



SIZE	TORQUE Nm	B (mm)				SPARE PARTS CODE			
		S 1 3/8" Z6	S 1 3/8" Z21	S 1 3/4" Z6	S 1 3/4" Z20	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
7	1800	172	172	172	172	658L58303R	658L58337R	658L58304R	658L58338R
8	*1800	174	174	174	174	658M58303R	658M58337R	658M58304R	658M58338R
	2200	174	174	174	174	658M62303R	658M62337R	658M62304R	658M62338R

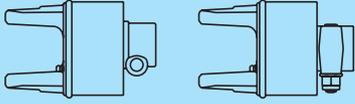
*Torque setting for 1000 min⁻¹



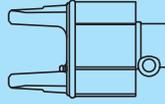
REF.	SIZE	CODE	DESCRIPTION	NOTES
1		432000100R08	Bolt and nut	M 10 x 70 mm
2	7	2530L1M01	Flange yoke	
	8	2530M1M01		
3		240000219	Spacer band	
4		247000061R08	Friction disc	D = 160 ; d = 97 mm
5		2481M0001	Drive plate	
6		2481M0002	Inner plate	Sp. = 4 mm
7		240000735	Seal plate	
8		303008001R03	Screw	M8 x 16
9		240000734	Cap - overrunning clutch	
10		4271M0101	Flanged housing	
11		348017000R20	Grease fitting	
12		2481H0003	Inner plate	Sp. = 8 mm
13		367FT440A	Belleville spring	1800 Nm
		367FT440C		2200 Nm
		367FT440D		2400 Nm
		367FT440E		2600 Nm
14		339002068R20	Retaining ring	
15		4211L0001R06	Pawl + spring kit	
16		5151M0301	Hub with taper pin	1 3/8" Z6
		5151M3701		1 3/8" Z21
		5151M0401		1 3/4" Z6
		5151M3801		1 3/4" Z20
17		408000047R02	Taper pin	1 3/8" Z6 - Z21
		408000046R02		1 3/4" Z6 - Z20

OVERRUNNING CLUTCHES AND TORQUE LIMITERS

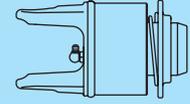
RA OVERRUNNING CLUTCH



SA RATCHET TORQUE LIMITER



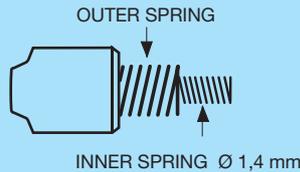
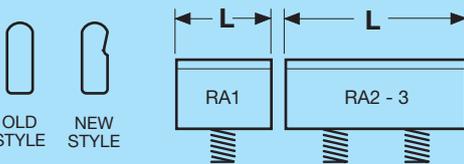
SN RATCHET TORQUE LIMITER



RA1 1 3/8" Z6	RA2 1 3/8" Z6	RA3 1 3/8" Z6	SA1 1 3/8" Z6	SA2 1 3/8" Z6	SA3 1 3/8" Z6	SA4 1 3/8" Z6	SN1 1 3/8" Z6	SN2 1 3/8" Z6	SN3 1 3/8" Z6	SN4 1 3/8" Z6
601101001R			T = 400	T = 650			T = 300	T = 600		
			610124001R	610234001R			6MB119203R	6MB232203R		
601102001R			T = 400	T = 800	T = 900		T = 300	T = 600	T = 900	
			611124001R	611239001R	611341001R		6MC119203R	6MC232203R	6MC341203R	
601103001R			T = 400	T = 800	T = 1200	T = 1300		T = 600	T = 900	T = 1200
			612124001R	612239001R	612348001R	612450001R		6MD232203R	6MD341203R	6MD448203R
601104001R				T = 800	T = 1200	T = 1300		T = 600	T = 700	T = 960
				613239002R	613348001R	613450003R		6ME232203R	6MD336203R	6MD443203R
601105001R				T = 800	T = 1200	T = 1600			T = 900	T = 1200
				613239002R	613348001R	613456001R			6ME341203R	6ME448203R
601106001R	601205201R			T = 800	T = 1200	T = 1600			T = 900	T = 1200
				614239001R	614348001R	614456001R			6MG341203R	6MG448203R
	601206201R				T = 1200	T = 1600				T = 1200
					615348002R	615456001R				6MH448203R
	601217201R									
		601308201R								
		601319201R								
		601310201R								

T= Torque setting Nm

REPLACEMENT PAWLS AND RATCHETS RA - SA



*Each piece consists of one ratchet, one outer spring, and one inner spring.

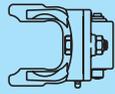
		OLD STYLE	NEW STYLE	SA	
RA1	L = 23	421011001R03	421011101R03	SA	Outer spring Ø 2.4 mm 421340001R06
RA2	L = 43	421022001R03	421022101R03	SA	Outer spring Ø 2.2mm 421341001R06
RA3	L = 63		421463101R03	**	Some torque settings do not require the full number of ratchets or inner springs. Replace with the original quantity of ratchets and diameter of springs.

TORQUE SETTINGS FOR SN TORQUE LIMITERS

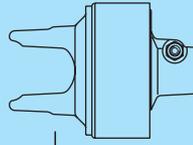
Type	Torque Setting Nm	Size
SN1	230	1
	260	1•2
	300	1•2
SN2	360	1•2•4•3
	460	1•2•4•3
	500	1•2•4•3
	600	1•2•4•3
SN3	700	2•4•3
	800	2•4•3•4
SN4	900	2•4•3•4•5
	960	43
	1050	43•4•5•6
	1200	43•4•5•6

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

SB SHEAR BOLT

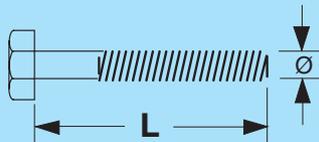


LR AUTOMATIC TORQUE LIMITER



SB		LR23		LR24			
1 3/8" Z6	1 3/4" Z6	1 3/8" Z6	1 3/8" Z21	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
T = 650							
606101001R							
T = 900							
606202001R							
T = 1300							
606303001R							
T = 1300							
606404023R							
T = 1700		T = 1700	T = 1700				
606404001R		6WE157003R	6WE157037R				
T = 2100		T = 2100	T = 2100				
606505001R		6WG161003R	6WG161037R				
T = 2500	T = 2500			T = 2500	T = 2500	T = 2500	T = 2500
606606001R	606606002R			6W6265003R	6W6265037R	6W6265004R	6W6265038R
T = 3000	T = 3000			T = 2900	T = 2900	T = 2900	T = 2900
606717004R	606717006R			6WL269003R	6WL269037R	6WL269004R	6WL269038R
T = 3500	T = 3500						
606808001R	606808002R						
T = 4000	T = 4000						
606919001R	606919002R						
T = 4500	T = 4500						
606010001R	606010002R						

BOLT & NUTS FOR SB (cl. 8.8)

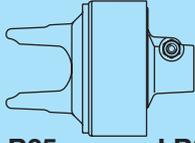


Ø x L	Code*
M6 x 40 SB1/2	432000002R05
M8 x 50 SB 3 - SB 43 - SB 4	432000003R05
M10 x 50 SB 5	432000053R05
M10 x 60 SB 6	432000008R05
M12 x 65 SB 7/8/9	432000011R05
M14 x 75 SB 10	432000055R05

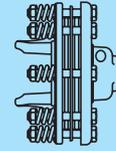
*Packaged five (5) bolts and nuts per pack

TORQUE LIMITERS

LR AUTOMATIC TORQUE LIMITER



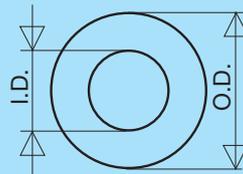
FF FRICTION TORQUE LIMITER



LR35 1 3/8" Z6	LR35 1 3/8" Z21	LR35 1 3/4" Z6	LR35 1 3/4" Z20	FF1 1 3/8" Z6	FF2 1 3/8" Z6	FF3 1 3/8" Z6	FF4 1 3/8" Z6	FF4 1 3/4" Z6
				T = 750				
				636137001R				
				T = 750				
				637137001R				
				T = 900				
				637141001R				
				T = 900	T = 1200	T = 1200		
				638141001R	638248004R	638348001R		
				T = 900	T = 1200	T = 1450	T = 1450	T = 1450
				639141001R	639248001R	639353001R	639453001R	639453002R
					T = 1200	T = 1500	T = 1700	T = 2000
					656248005R	656354001R	656457003R	656457004R
T = 3500	T = 3500	T = 3500	T = 3500		T = 1200	T = 1700	T = 2000	T = 2000
6W8481003R	6W8481037R	6W8481004R	6W8481038R		641248002R	641354003R	641460003R	641460004R
		T = 4000	T = 4000				T = 2000	T = 2000
		6W9474004R	6W9474038R				657460001R	657460002R
		T = 4500	T = 4500				T = 2000	T = 2000
		6W0480004R	6W0480038R				642460003R	642460002R

T= Torque setting Nm

FRICTION LININGS FOR CLUTCHES FF

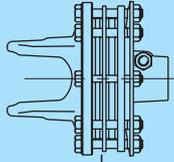


TYPE	O.D. x I.D	CODE
FF 1 / FF3	140 x 85	247000054R08
FF2 / FF4	160 x 97	247000061R08
FF4	160 x 100	247000057R08
FV 32	142 x 77	247006251R08

Replace linings when they are worn to 1/2 their original thickness (new linings are nominally 3.2 mm thick) or after the clutch has been overheated (smoked).

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

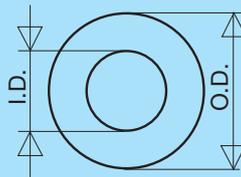
FV FRICTION TORQUE LIMITER



FV22 1 3/8" Z6	FV32 1 3/8" Z6	FV34		FV42		FV44	
		1 3/8" Z6	1 3/4" Z6	1 3/8" Z6	1 3/4" Z6	1 3/8" Z6	1 3/4" Z6
T = 400							
6DB224103R							
T = 400							
6DC232103R							
—	T = 750						
—	6D3337003R						
T = 800	T = 750						
6DE239103R	6DE341003R						
T = 800	T = 900						
6DE239103R	6DE341003R						
	T = 900	T = 1200	T = 1200	T = 1200	T = 1200		
	6DG341003R	6DG748003R	6DG748004R	6DG448003R	6DG448004R		
	T = 900	T = 1500	T = 1500	T = 1200	T = 1200	T = 1450	T = 1450
	6D6341003R	6D6754003R	6D6754004R	6D6448003R	6D6448004R	6D6853003R	6D6853004R
		T = 1500	T = 1500	T = 1200	T = 1200	T = 1700	T = 1700
		6DL754003R	6DL754004R	6DL448003R	6DL448004R	6DL857003R	6DL857004R
		T = 1500	T = 1500	T = 1200	T = 1200	T = 2000	T = 2000
		6D8754003R	6D8754004R	6D8448003R	6D8448004R	6D8860003R	6D8860004R
						T = 2000	T = 2000
						6D9860003R	6D9860004R
						T = 2000	T = 2000
						6D0860003R	6D0860004R

T= Torque setting Nm

FRICTION LININGS FOR CLUTCHES FV

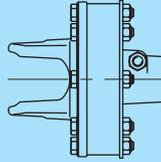


TYPE	O.D. x I.D	CODE
FV 22	122 x 67	247006151R08
FV34	142 x 77	247006251R08
FV42 - FV44	162 x 85	247006351R08

Replace linings when they are worn to 1/2 their original thickness (new linings are nominally 3.2 mm thick) or after the clutch has been overheated (smoked).

TORQUE LIMITERS

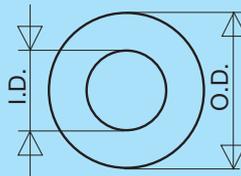
FT FRICTION TORQUE LIMITER



FT22 1 3/8" Z6	FT32 1 3/8" Z6	FT34 1 3/8" Z6 1 3/4" Z6		FT42 1 3/8" Z6 1 3/4" Z6		FT44 1 3/8" Z6 1 3/4" Z6	
T = 400							
6LB224103R							
T = 600							
6LC232103R							
T = 600	T = 800						
6LE239103R	6L3339003R						
T = 600	T = 800						
6LE239103R	6LE339003R						
	T = 1000						
	6LE344003R						
	T = 1100	T = 1200	T = 1200	T = 1200	T = 1200		
	6LG346003R	6LG748003R	6LG748004R	6LG448003R	6LG448004R		
		T = 1450	T = 1450	T = 1450	T = 1450		
		6LH753003R	6LH753004R	6LH453003R	6LH453004R		
		T = 1700	T = 1700	T = 1700	T = 1700		
		6LL757003R	6LL757004R	6LL457003R	6LL457004R		
		T = 1800	T = 1800			T = 2100	T = 2100
		6LM758003R	6LM758004R			6LM861003R	6LM861004R
						T = 2400	T = 2400
						6L9864003R	6L9864004R
						T = 2800	T = 2800
						6L0868003R	6L0868004R

T= Torque setting Nm

FRICTION LININGS FOR CLUTCHES FT- FN

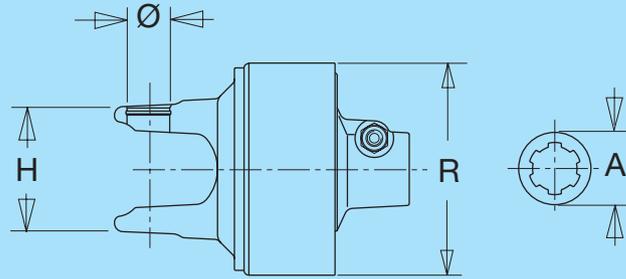


TYPE	O.D. x I.D.	CODE
FT 22	122 x 67	247006151R08
FT32 - FT34 - FN24	142 x 77	247006251R08
FT 42 - FT44 - FN44	162 x 85	247006351R08

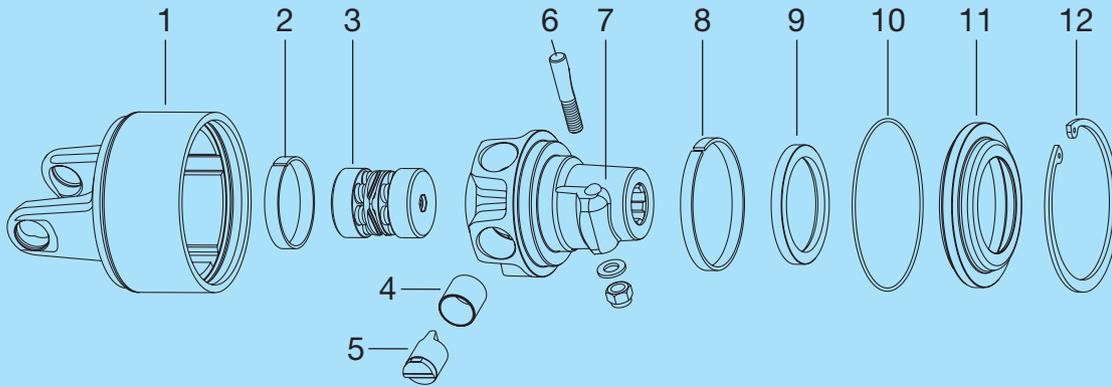
Replace linings when they are worn to 1/2 their original thickness (new linings are nominally 3.2 mm thick) or after the clutch has been overheated (smoked).

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

LR23 - LR24 AUTOMATIC TORQUE LIMITERS



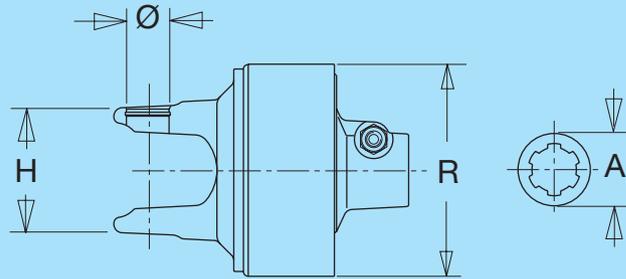
	N•m	TYPE	H	Ø	R	A		A	
						1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
4	1700	LR23	84	27	151	6WE157003R	6WE157037R	-	-
5	2100	LR23	91	30,2	151	6WE161003R	6WG161037R	-	-
6	2500	LR24	103	30,2	151	6WE265003R	6W6265037R	6W6265004R	6W6265038R
7	2900	LR24	106	35	151	6WE269003R	6WL269037R	6WL269004R	6WL269038R



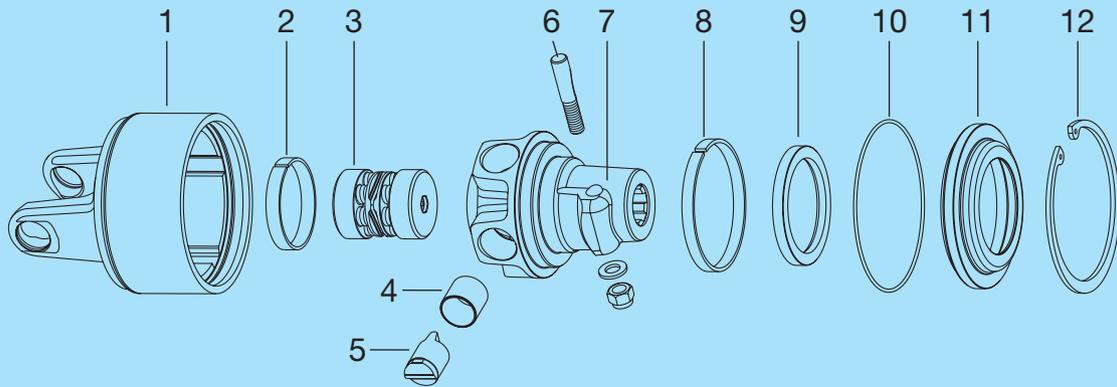
Ref.	Description	Qty.	LR23	Qty.	LR24
1	for size 4	1	4310E1151	1	-
	for size 5	1	4310G1151	1	-
	for size 6	1	-	1	431062152
	for size 7	1	-	1	4310L2152
2		1	240000205R02	1	240000205R02
3	for size 4	1	421155701R	1	-
	for size 5	1	421156101R	1	-
	for size 6	1	-	1	421166502R
	for size 7	1	-	1	421166902R
4		3	258000100R05	4	258000100R05
5		3	250000101R05	4	-
			-		250000108R04
6	1-3/8" z6 - 1-3/8" z21	1	408000047	1	408000047
	1-3/4" z6 - 1-3/4" z20	1	-	1	408000052
7	1-3/8" z6	1	515150301	1	-
	1-3/8" z21	1	515153701	1	-
	1-3/8" z6	1	-	1	515160301
	1-3/8" z21	1	-	1	515163701
	1-3/4" z6	1	-	1	515160401
	1-3/4" z20	1	-	1	515163801
8		1	240000201R02	1	240000201R02
9	80 x 100 x 10 mm	1	355006080	1	355006080
10	139 x 2,6 mm	1	358000006	1	358000006
11		1	240000202	1	240000202
12	138 x 4 DIN 472/1	1	338000138	1	338000138

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

LR35 AUTOMATIC TORQUE LIMITERS



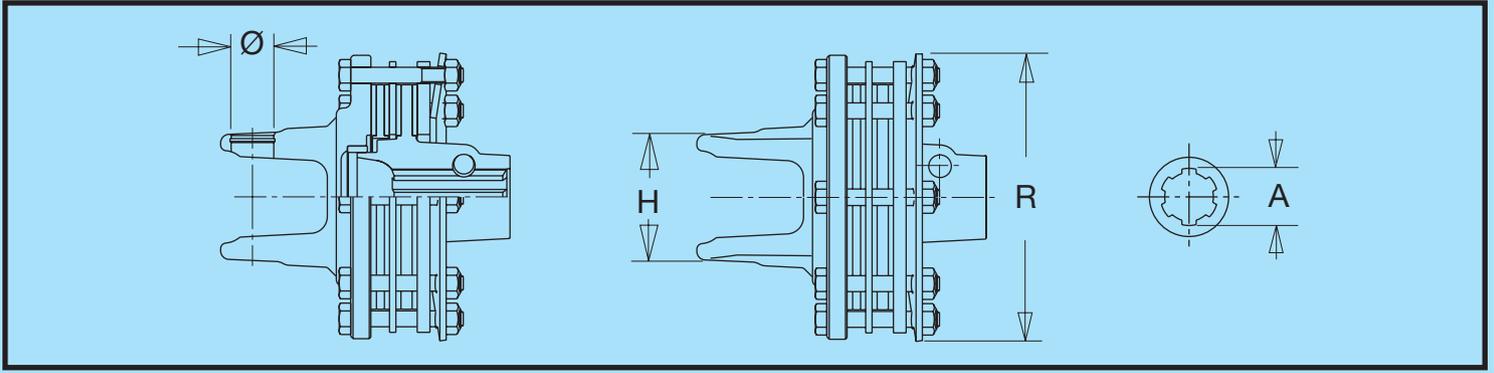
	N•m	TYPE	H	Ø	R	A 1 3/8" Z6	A 1 3/8" Z21	A 1 3/4" Z6	A 1 3/4" Z20
8	3500	LR35	117	35	176	6W8481003R	6W8481037R	6W8481004R	6W8481038R
9	4000	LR35	119	41	176	-	-	6W9474004R	6W9474038R
10	4500	LR35	130,5	41	176	-	-	6W0480004R	6W0480038R



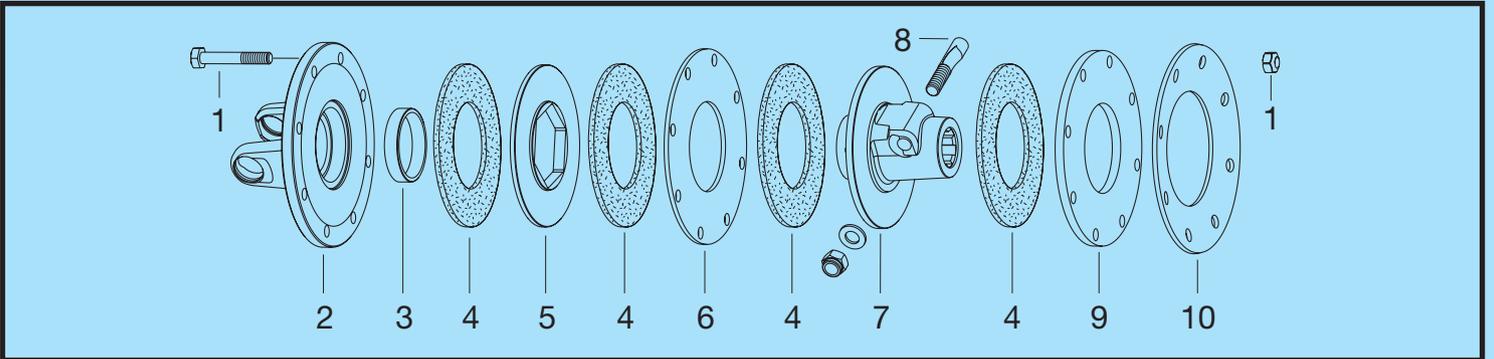
Ref.	Description	Qty.	LR35
1	for size 8	1	431084151
	for size 9	1	431094151
	for size 10	1	431104151
2		1	240000711R02
3	for size 8	1	421188101R
	for size 9	1	421187401R
	for size 10	1	421188001R
4		5	258000100R05
5		5	250000101R05
6	1-3/8" z6 - 1-3/8" z21	1	408000047
	1-3/4" z6 - 1-3/4" z20	1	408000052
7	1-3/8" z6	1	515180301
	1-3/8" z21	1	515183701
	1-3/4" z6	1	515180401
	1-3/4" z20	1	515183801
8		1	240000712R02
9		1	355000105
10		1	358000007
11		1	240000710
12		1	338000162

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FV32 - FV34 FRICTION TORQUE LIMITERS

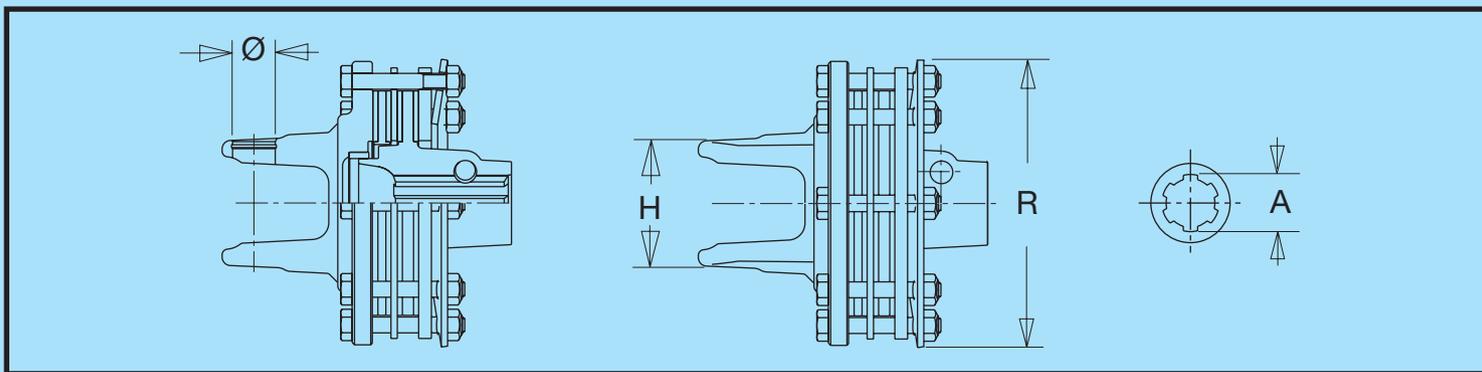


	N•m	TYPE	H	\emptyset	R	A		A	
						1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
3	750	FV32	80	27	180	6D3337003R	6D3337037R	-	-
43	750	FV32	84	27	180	6DE337003R	6DE337037R	-	-
4	900	FV32	84	27	180	6DE341003R	6DE341037R	-	-
5	900	FV32	91	30,2	180	6DG341003R	6DG341037R	-	-
	1200	FV34	91	30,2	180	6DG748003R	6DG748037R	6DG748004R	6DG748038R
6	900	FV32	103	30,2	180	6D6341003R	6D6341037R	-	-
	1500	FV34	103	30,2	180	6D6754003R	6D6754037R	6D6754004R	6D6754038R
7	1500	FV34	106	35	180	6DL754003R	6DL754037R	6DL754004R	6DL754038R
8	1500	FV34	117	35	180	6D8754003R	6D8754037R	6D8754004R	6D8754038R

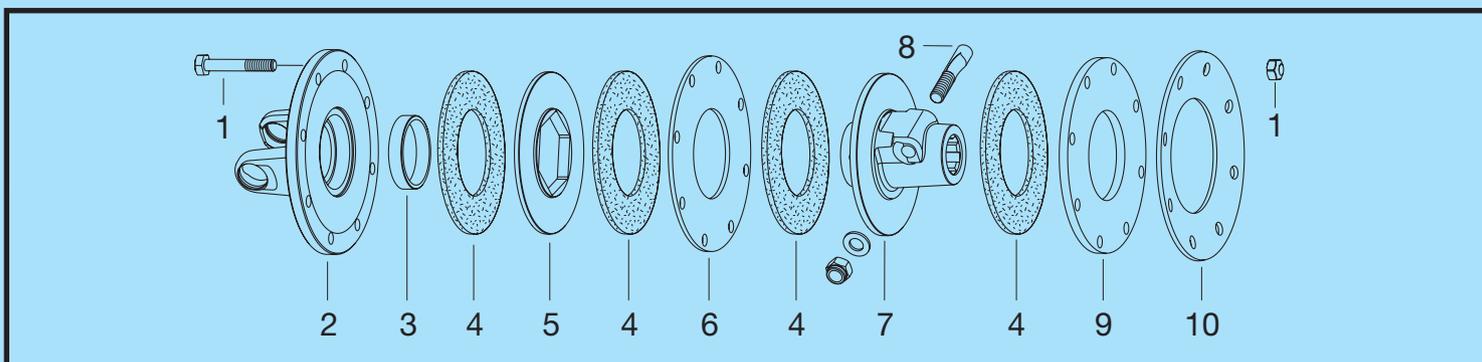


Ref.	Description	Qty.	FV32	Qty.	FV34
1		8	432000054R08	8	432000045R08
2	for size 3	1	253038601	-	-
	for size 43-4	1	253048602	-	-
	for size 5	1	253058901	1	253058901
	for size 6	1	253068903	1	253068903
	for size 7	-	-	1	253078601
	for size 8	-	-	1	253088903
3		1	258005320R02	1	258005320R02
4	D = 140 mm; d = 77mm	2	247006251R08	4	247006251R08
5		-	-	1	248727702
6		-	-	1	248860001
7	1-3/8" z6	1	515860305	1	515890305
	1-3/8" z21	1	515863705	1	515893705
	1-3/4" z6	-	-	1	515890405
	1-3/4" z20	-	-	1	515893805
8	1-3/8" z6 - 1-3/8" z21	1	408000047	1	408000047
	1-3/4" z6 - 1-3/4" z20	-	-	1	408000049
9	8 mm	1	248860005	1	248860005
10	3,5 mm	1	367009860	1	367009860
	4 mm	1	367006860	-	-

FV42 - FV44 FRICTION TORQUE LIMITERS



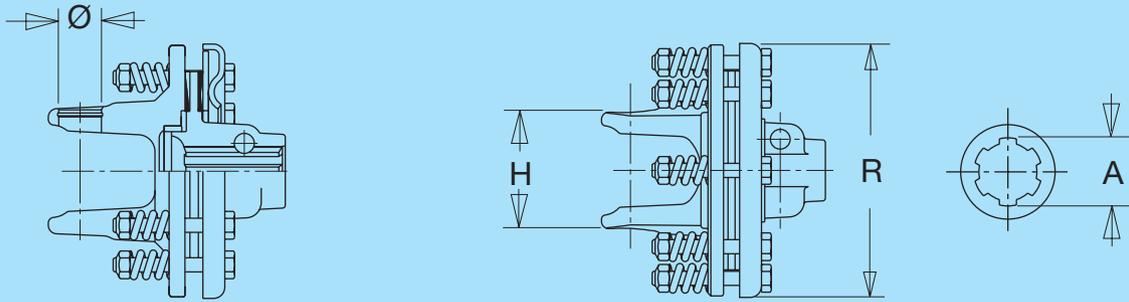
	N•m	TYPE	H	Ø	R	A			
						1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20
5	1200	FV42	91	30,2	202	6DG448003R	6DG448037R	6DG448004R	6DG448038R
6	1200	FV42	103	30,2	202	6D6448003R	6D6448037R	6D6448004R	6D6448038R
	1450	FV44	103	30,2	202	6D6853003R	6D6853037R	6D6853004R	6D6853038R
7	1200	FV42	106	35	202	6DL448003R	6DL448037R	6DL448004R	6DL448038R
	1700	FV44	106	35	202	6DL857003R	6DL857037R	6DL857004R	6DL857038R
8	1200	FV42	117	35	202	6D8448003R	6D8448037R	6D8448004R	6D8448038R
	2000	FV44	117	35	202	6D8860003R	6D8860037R	6D8860004R	6D8860038R
9	2000	FV44	119	41	202	6D9860003R	6D9860037R	6D9860004R	6D9860038R
10	2000	FV44	131	41	202	6D0860003R	6D0860037R	6D0860004R	6D0860038R



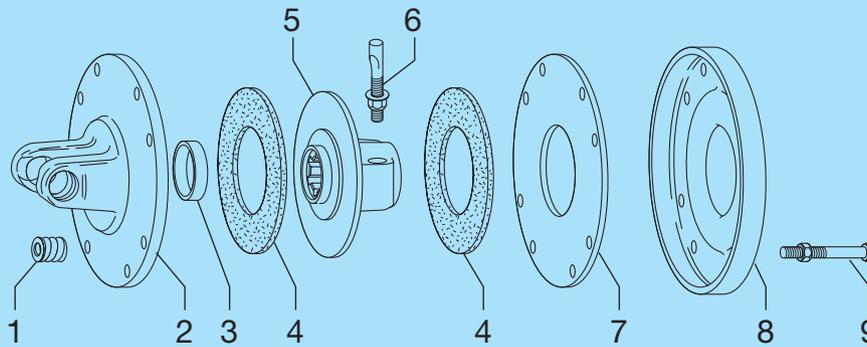
Ref.	Description	Qty.	FV42	Qty.	FV44
1		8	432000054R08	8	432000100R08
2	for size 5	1	253058701	-	-
	for size 6	1	253069001	1	253069001
	for size 7	1	253078702	1	253078702
	for size 8	1	253089001	1	253089001
	for size 9	-	-	1	253098702
	for size 10	-	-	1	253108702
3		1	258005320R02	1	258005320R02
4	D = 162 mm; d = 85 mm	2	247006351R08	4	247006351R08
5		-	-	1	248737702
6		-	-	1	248870011
7	1-3/8" z6	1	515870305	1	515900305
	1-3/8" z21	1	515873705	1	515903705
	1-3/4" z6	11	515870405	1	515900405
	1-3/4" z20	1	515873805	1	515903805
8	1-3/8" z6 - 1-3/8" z21	1	408000047	1	408000047
	1-3/4" z6 - 1-3/4" z20	1	408000046	1	408000046
9	8 mm	1	248870005	1	248870005
10	4,25 mm	1	367009870	1	367009870
	4,5 mm	1	367006860	1	367006860

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FF1 - FF2 FRICTION TORQUE LIMITERS



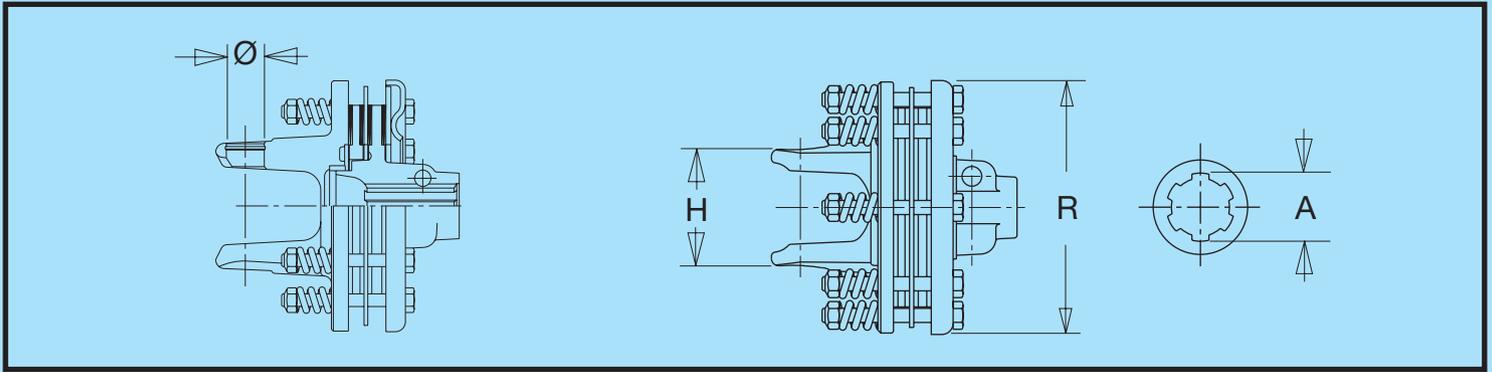
	N•m	H	Ø	A	R	FF1	R	FF2
③	750	79,5	27	1 3/8" Z6	180	636137001R	200	-
④	900	84	27	1 3/8" Z6	180	637141001R	200	-
⑤	900	91	30,2	1 3/8" Z6	180	638141001R	200	-
	1200			-	200	638248004R		
⑥	900	103	30,2	1 3/8" Z6	180	639141001R	200	-
	1200			-	200	639248001R		
	1200			-	200	639248008R		
⑧	1200	117	35	1 3/8" Z6	180	-	200	641248002R
				1 3/4" Z6	180	-	200	641248003R



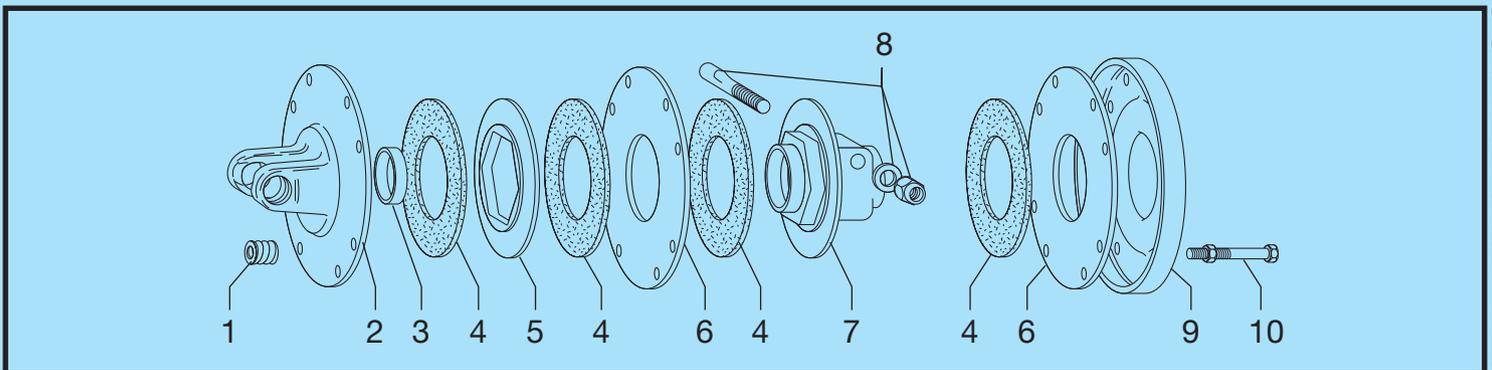
Ref.	Description	Qty.	FF1	Qty.	FF2
1	 Ø 5 mm	8	351016370R08	8	351016370R08
		8	351022370R08	8	351022370R08
		8	351013370R08	8	351013370R08
2	for size 3	1	253032001	-	-
	for size 4	1	253042001	-	-
	for size 5	1	253052001	1	253052101
	for size 6	1	253062203	1	253062302
	for size 7	-	-	1	253172302
	for size 8	-	-	1	253082302
3		1	258005320R02	1	258005320R02
4	140 mm	2	247000054R08	-	-
	160 mm	-	-	2	247000061R08
5	1-3/8" z6	1	515200311	1	515210311
	1-3/8" z21	1	515203711	1	515213711
	1-3/4" z6	-	-	1	515210411
	1-3/4" z20	-	-	1	515213811
6	1-3/8" z6 - 1-3/8" z21	1	408000060	1	408000060
	1-3/4" z6 - 1-3/4" z20	-	-	1	408000061
7	4 mm	1	248220008R02	1	248230002R02
8		1	248220007R02	1	248230006R02
9		8	432000006R8	8	432000006R8

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FF3 - FF4 FRICTION TORQUE LIMITERS



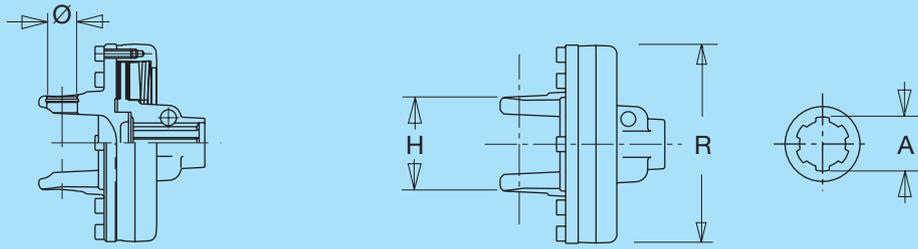
	N•m	H	Ø	A	R	FF3	R	FF4
5	1200	91	30,2	1 3/8" Z6	180	638348001R	200	-
6	1450	103	30,2	1 3/8" Z6	180	639353001R	200	639453001R
				1 3/4" Z6	180	639353002R	200	639453002R
8	1500	117	35	1 3/8" Z6	180	641354003R	200	-
				1 3/4" Z6	180	641354002R	200	-
	2000	117	35	1 3/8" Z6	180	-	200	641460003R
				1 3/4" Z6	180	-	200	641460004R
9	2000	119	41	1 3/8" Z6	180	-	200	657460001R
				1 3/4" Z6	180	-	200	657460002R
10	2000	130,5	41	1 3/8" Z6	180	-	200	642460003R
				1 3/4" Z6	180	-	200	642460002R



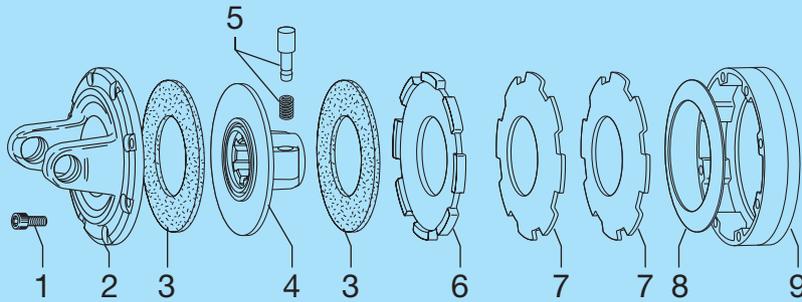
Ref.	Description	Qty.	FF3	Qty.	FF4
1	 Ø 5 mm	8	351016370R08	8	351016370R08
		8	351022370R08	8	351022370R08
		8	351013370R08	8	351013370R08
2	for size 5	1	253052001	-	-
	for size 6	1	253062203	-	253062302
	for size 7	1	253172201	1	253172302
	for size 8	1	253082201	1	253082302
	for size 9	-	-	1	253192301
	for size 10	-	-	1	253102301
3		1	258005320R02	1	258005320R02
4	140 mm	2	247000054R08	-	-
	160 mm	-	-	2	247000061R08
5		1	248220001R02	1	275230004
6	4 mm	2	248220008R02	2	248230002R02
7	1-3/8"z6	1	515220311	1	515230311
	1-3/8"z21	1	515223711	1	515233711
	1-3/4"z6	1	515220411	1	515230411
	1-3/4"z20	1	515223811	1	515233811
8	1-3/8" z6 - 1-3/8" z21	1	408000060	1	408000060
	1-3/4" z6 - 1-3/4" z20	1	408000061	1	408000061
9		1	248220007R02	1	248230006R02
10		8	432000006R8	8	432000006R8

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FD1 - FD2 - FD3 FRICTION TORQUE LIMITERS



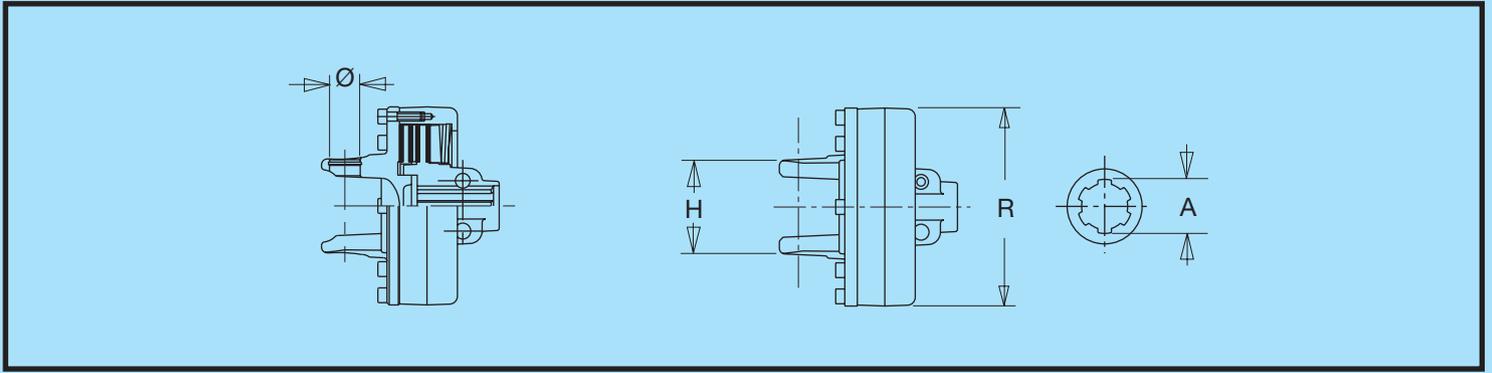
	N•m	H	∅	A	R	FD1	R	FD2	R	FD3
1	400	63,5	22	1 3/8" Z6	155	677124103	178	-	202	-
2	600	70	23,8	1 3/8" Z6	155	677232103	178	-	202	-
4	1000	84	27	1 3/8" Z6	155	-	178	677444203	202	-
5	1100	91	30,2	1 3/8" Z6	155	-	178	677546203	202	-
	1200			1 3/8" Z6	155	-	178	-	202	677548303
6	1450	103	30,2	1 3/8" Z6	155	-	178	-	202	677653303
				1 3/4" Z6	155	-	178	-	202	677653304



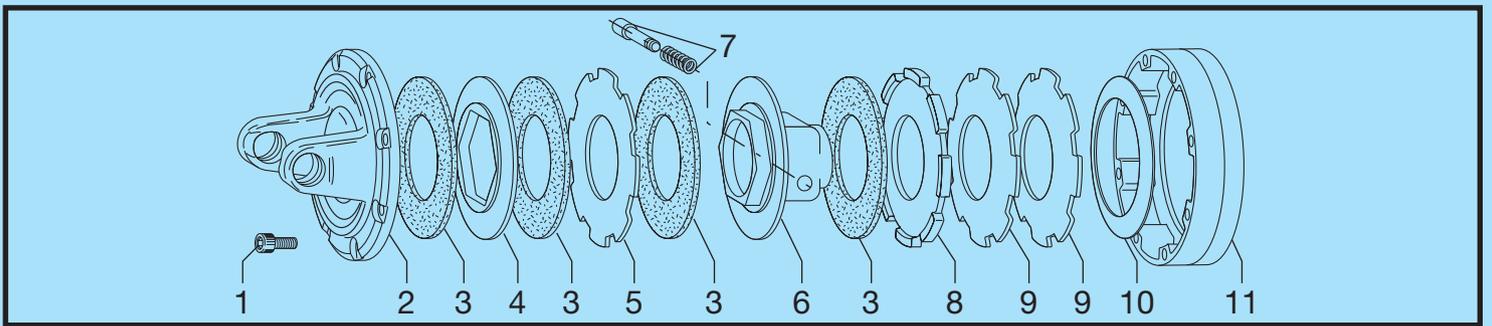
Ref.	Description	Qty.	FD1	Qty.	FD2	Qty.	FD3
1		8	303001400	8	303001400	8	303003400
2	for size 1	1	253016101	-	-	-	-
	for size 2	1	253026101	-	-	-	-
	for size 3	-	-	-	-	-	-
	for size 4	-	-	1	253046201	-	-
3	for size 5	-	-	1	253056201	1	253056301
	for size 6	-	-	-	-	1	253066301
	for size 7	-	-	-	-	1	253076301
4	122 mm	2	247006151R08	-	-	-	-
	142 mm	-	-	2	247006251R08	-	-
	162 mm	-	-	-	-	2	247006351R08
5	1-3/8" z6	1	513610301	1	513620301	1	513630301
	1-3/8" z21	-	-	-	-	1	513633701
	1-3/4" z6	-	-	-	-	1	513630401
6	1-3/8"z6	1	403000001R10	1	403000009R10	1	403000009R10
	1-3/4"z6	-	-	-	-	1	403000011R10
7		1	248610001	1	248620001	1	248630001
	2,5 mm	-	367003610	-	367005620	-	-
	3,0 mm	-	367001610	-	367003620	-	-
	3,5 mm	-	367002610	-	367001620	-	367002630
8		-	-	-	-	-	367001630
	4,0 mm	-	-	-	-	-	-
9		1	246000017	1	246000018	1	246000019
		1	264610001	1	264620001	1	264630001

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FD22 - FD33 FRICTION TORQUE LIMITERS

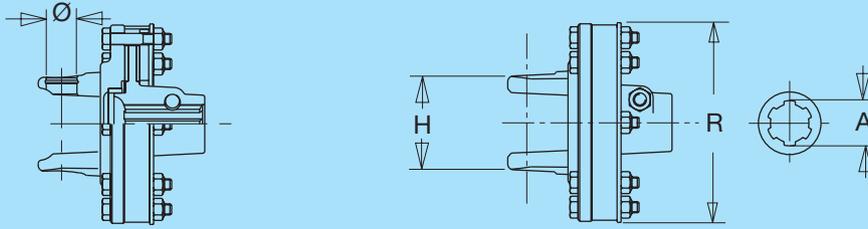


	N•m	H	Ø	A	R	FD22	R	FD33
5	1200	91	30,2	1 3/8" Z6	178	677548703	-	-
6	1450	103	30,2	1 3/8" Z6	178	677653703	-	-
	-	-	-	1 3/4" Z6	178	677653704	-	-
8	1800	117	35	1 3/8" Z6	178	677858703	-	-
	-	-	-	1 3/4" Z6	178	677858704	-	-
	2100	117	35	1 3/8" Z6	-	-	202	677861803
9	-	-	-	1 3/4" Z6	-	-	202	677861804
	2400	119	41	1 3/8" Z6	-	-	202	677964803
	-	-	-	1 3/4" Z6	-	-	202	677964804
10	2800	130,5	41	1 3/8" Z6	-	-	202	677068803
	-	-	-	1 3/4" Z6	-	-	202	677068804

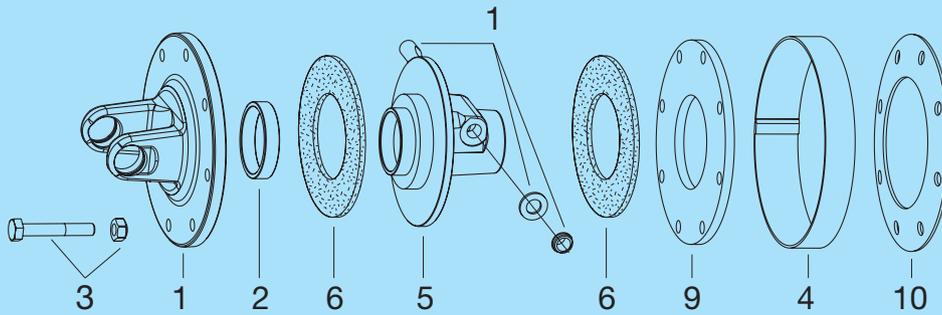


Ref.	Description	Qty.	FD22	Qty.	FD33
1		8	303002400	8	303004400
2	for size 5	1	253056201	1	253056301
	for size 6	1	253066201	1	253066301
	for size 7	1	253076201	1	253076301
	for size 8	1	253086201	1	253086301
	for size 9	-	-	1	253096301
	for size 10	-	-	1	253106301
3	142 mm	4	247006251R08	-	-
	162 mm	-	-	4	247006351R08
4		1	248727701	1	248737701
5	3 mm	1	248720001	1	248730001
6	1-3/8" z6	1	513720301	1	513730301
	1-3/8" z21	1	513723701	1	513733701
	1-3/4" z6	1	513720401	1	513730401
	1-3/4" z20	1	513723801	1	513733801
7	1-3/8" z6 - 1-3/8" z21	2	403000009R10	2	403000009R10
	1-3/4" z6 - 1-3/4" z20	1	403000011R10	1	403000011R10
8		1	248620001	1	248630001
9	2,5 mm	-	367005620	-	-
	3 mm	-	367003620	-	-
	3,5 mm	-	367001620	-	367002630
	4 mm	-	-	-	367001630
10		1	246000018	1	246000019
11		1	264720001	1	264730001

FT32 - FT42 FRICTION TORQUE LIMITERS



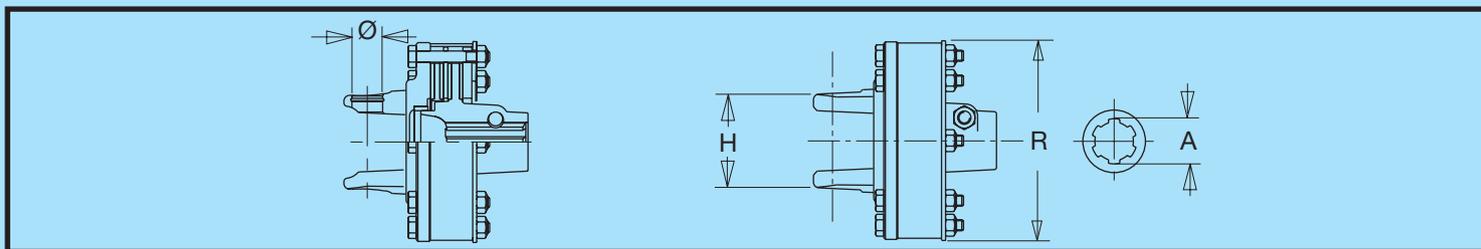
	N•m	H	Ø	A	R	FT32	R	FT42
4	1000	84	27	1 3/8" Z6	180	6LE344003R		
				1 3/8" Z21		6LE344037R		
5	1100	91	30,2	1 3/8" Z6		6LG346003R		
			30,2	1 3/8" Z21		6LG346037R		
			30,2	1 3/4" Z20				
6	1200	91	30,2	1 3/8" Z6			202	6LG448003R
				1 3/8" Z21				6LG448037R
				1 3/4" Z20				6LG448038R
				1 3/8" Z6				6LH453003R
				1 3/8" Z21				6LH453037R
1 3/4" Z20	6LH453038R							



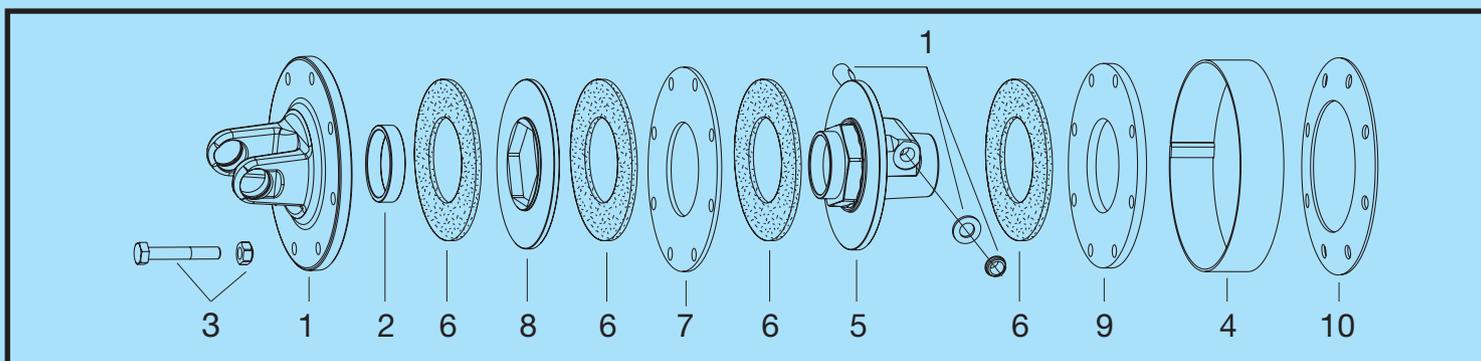
Ref.	Description	Qty.	FT32	Qty.	FT42
1	for size 3	1	253038601	-	-
	for size 4	1	253048602	-	-
	for size 5	1	253058901	1	253058701
	for size 6	1	253068903	1	253069001
	for size 7	1	253078601	1	253078702
2		1	258005320R02	1	258005320R02
3	M10x50	8	432000053	8	432000053
4		1	240000213	1	240000214
5	1-3/8"z6	1	515860305	1	515870305
	1-3/8"z21	1	515863705	1	515873705
	1-3/4"z6			1	515870405
	1-3/4"z20			1	515873805
6	141 mm	2	247006251R08		
	162 mm			2	247006351R08
9	8 mm	1	248860005	1	248870005
10	2,5 mm	-	367003860		
	2,75 mm	-	367002860		
	3,0 mm	-	367001860		
	3,25 mm			-	367004870
	3,30 mm	-	367005860		
	3,5 mm	-	367001180	-	367003870
	3,75 mm			-	367001870
11	1-3/8" z6 - 1-3/8" z21	1	408000060	1	408000060
	1-3/4" z6 - 1-3/4" z20		-	1	408000061

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FT34 - FT44 FRICTION TORQUE LIMITERS

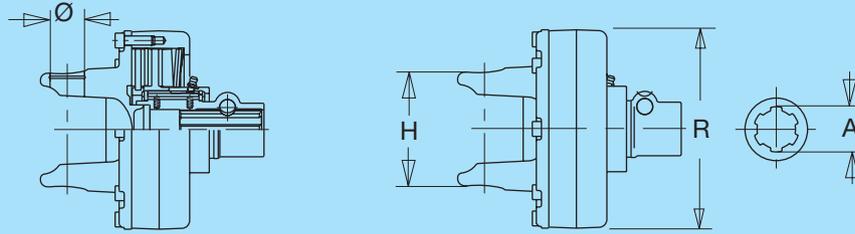


	N•m	H	Ø	A	R	FT34	R	FT44
5	1200	91	30,2	1 3/8" Z6	180	6LG748003R	202	
				1 3/8" Z21		6LG748037R		
6	1450	103	30,2	1 3/8" Z6	180	6LH753003R	202	-
				1 3/8" Z21		6LH753037R		-
				1 3/4" Z20		6LH753038R		-
8	1800	117	35,0	1 3/8" Z6	180	6LM758003R	202	6LM861003R
				1 3/8" Z21		6LM758037R		6LM861037R
				1 3/4" Z6		6LM758004R		6LM861004R
				1 3/4" Z20		6LM758038R		6LM861038R

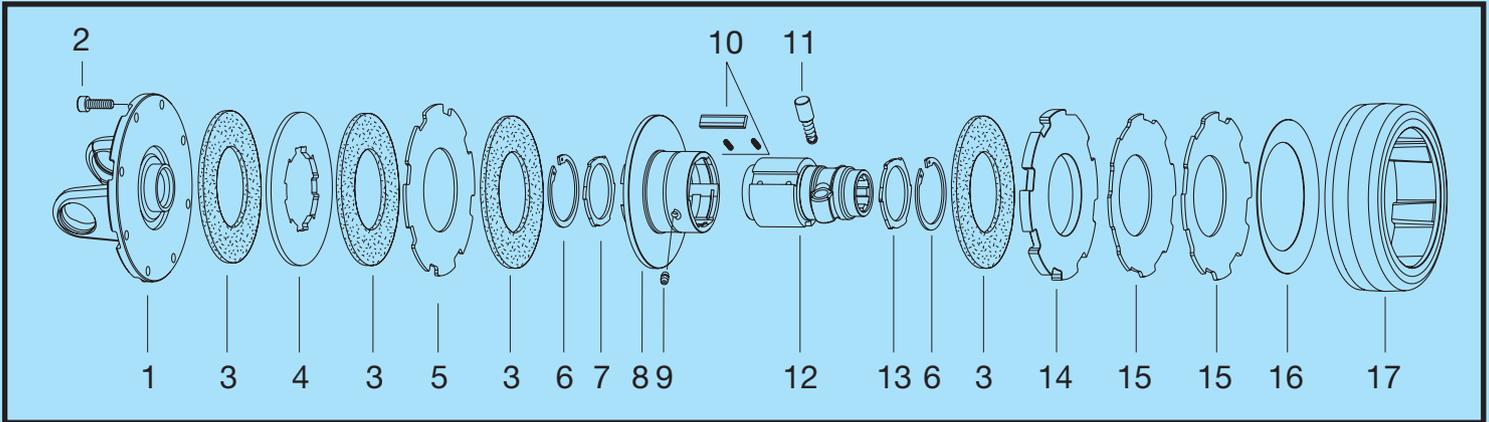


Ref.	Description	Qty.	FT34	Qty.	FT44
1	for size 5	1	253058901	1	253058701
	for size 6	1	253068903	1	253069001
	for size 7	1	253078601	1	253078702
	for size 8	1	253088903	1	253089001
	for size 9	-	-	1	253098702
	for size 10	-	-	1	253108702
2		1	258005320R02	1	258005320R02
3	M10x50	8	432000053	8	432000053
4		1	240000218	1	240000219
5	1-3/8"z6	1	515890305	1	515900305
	1-3/8"z21	1	515893705	1	515903705
	1-3/4"z6	1	515890405	1	515900405
	1-3/4"z20	1	515893805	1	515903805
6	141 mm	4	247006251R08		
	162 mm			4	247006351R08
7	Driving Plate	1	248727701	1	248737701
8	4 mm	1	248860001	1	248870011
9	8 mm	1	248860005	1	248870005
10	2,5 mm	-	367003860		
	2,75 mm	-	367002860		
	3,0 mm	-	367001860		
	3,25 mm			-	367004870
	3,3 mm	-	367005860		
	3,5 mm	-	367001180	-	367003870
	3,75 mm	-	-	-	367001870
	4,0 mm	-	-	-	367001190
11	1-3/8" z6	1	408000060	1	408000060
	1-3/4" z6	-	-	1	408000061

FN22 FRICTION TORQUE LIMITERS



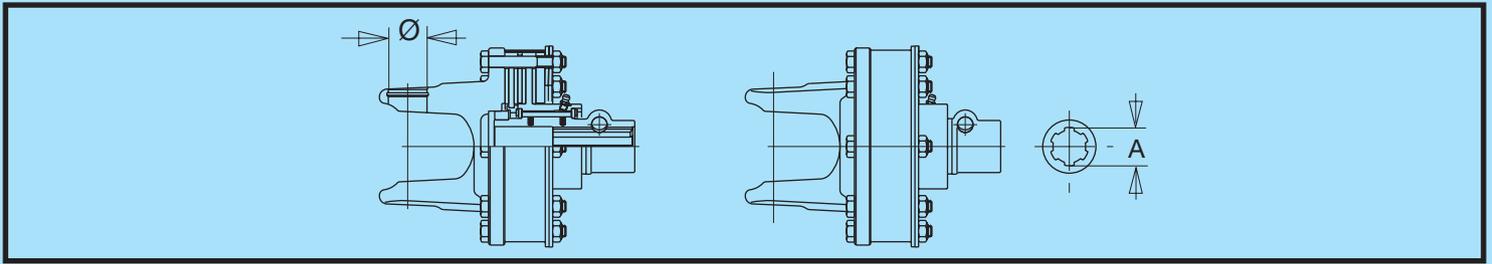
	N•m	H	Ø	A	R	FN22
5	1200	91	30,2	1 3/8" Z6	178	687548703R
6	1450	103	30,2			687653703R
7	1700	106	35			687757703R
8	1800	117	35			687858703R



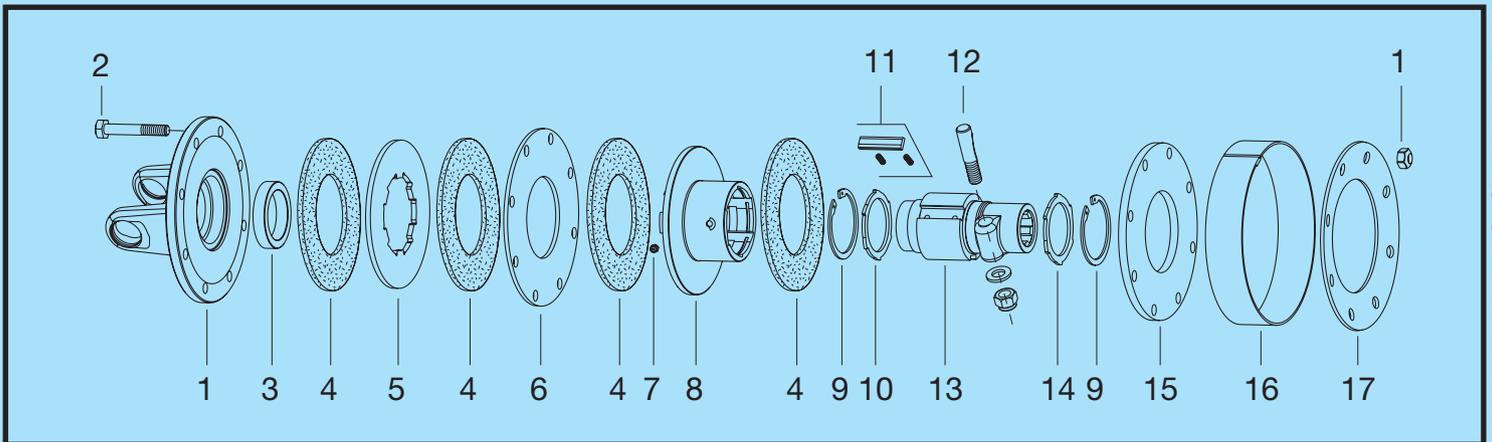
Ref.	Description	Qty.	FN22
1	for size 5	1	253058301
	for size 6	1	253068301
	for size 7	1	253078301
	for size 8	1	253088301
2		8	303002400
3	141 mm	4	247006251R08
4		1	248830001
5		1	248720001
6		2	338001064
7		1	246000024
8		1	427220101
9		1	348017000
10		1	421955001R03
11		1	403000001R10
12	1-3/8" z6	1	513830301
13		1	246000025
14		1	248620001
15	for size 5 thickness 2,5 mm	2	367005620
	for size 6 thickness 3 mm	2	367003620
	for size 7 thickness 3 mm	2	367003620
	for size 7 thickness 3,5 mm	2	367001620
	for size 8 thickness 3,5 mm	2	367001620
16		1	246000018
17		1	264720001

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

FN24 FRICTION TORQUE LIMITERS



	N•m	H	Ø	A	R	FN24
5	1200	91	30,2	1 3/8" Z6	181	659548103R
				1 3/8" Z21		659548137R
6	1450	103	30,2	1 3/8" Z6		659653103R
				1 3/8" Z21		659653137R
7	1700	106	35	1 3/8" Z6		659653103R
				1 3/8" Z21		659757137R
8	1800	117	35	1 3/8" Z6		659858103R
				1 3/8" Z21		659858137R

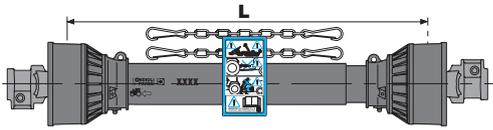


Ref.	Description	Qty.	FN24
1	for size 5	1	253058901
	for size 6	1	253068903
	for size 7	1	253078601
	for size 8	1	253088903
2		8	432000045R08
3		1	258005331R02
4	D=141 mm	4	247006251R08
5		1	248830001
6		1	248860001
7		1	348017000
8		1	427830106
9		1	338001064
10		1	246000024
11		1	421955001R03
12	1-3/8" z6	1	408000048
	1-3/8" z21	1	408000048
13	1-3/8" z6	1	515830302
	1-3/8" z21	1	515833702
14		1	246000025
15		1	248860005
16		1	240000218
17	for size 5 thickness 2,5 mm	1	367003860
	for size 6 thickness 3 mm	1	367001860
	for size 7 thickness 3,3 mm	1	367005860
	for size 8 thickness 3,5 mm	1	367005860

COMPONENTS OUT OF PRODUCTION - ONLY AVAILABLE AS SPARE PARTS

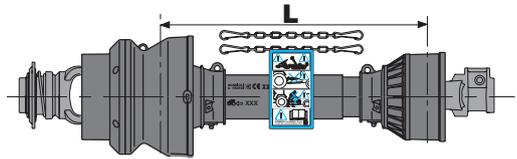
COMPLETE SHIELD KITS

**100
400**



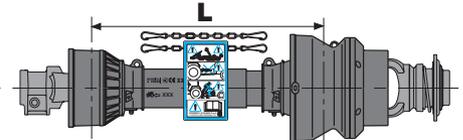
CODE	086	121
LENGTH L (mm)	860	1210
1	5F01086FFFX	5F01121FFFX
2	5F02086FFFX	5F02121FFFX
3	--	--
43	5F43086FFFX	5F43121FFFX
4	5F04086FFFX	5F04121FFFX
5	5F05086FFFX	5F05121FFFX
6	5F06086FFFX	5F06121FFFX
7	5F07086FFFX	5F07121FFFX
8	5F08086FFFX	5F08121FFFX
9	--	--
10	--	--

650



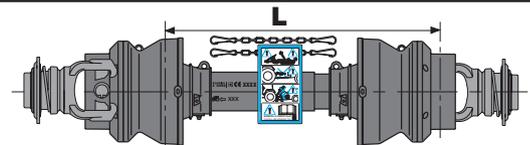
CODE	086	121
LENGTH L (mm)	860	1210
652	5F02086R1652FX	5F02121R1652FX
654	5F02086R1654FX	5F02121R1654FX
656	5F02086R1656FX	5F02121R1656FX
658	5F02086R1658FX	5F02121R1658FX

660



CODE	086	121
LENGTH L (mm)	860	1210
662	5F02086F9662FX	5F02121F9662FX
664	5F02086F9664FX	5F02121F9664FX
666	5F02086F9666FX	5F02121F9666FX
668	5F02086F9668FX	5F02121F9668FX

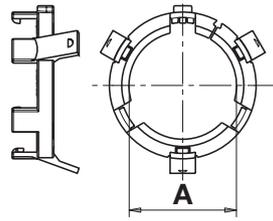
670



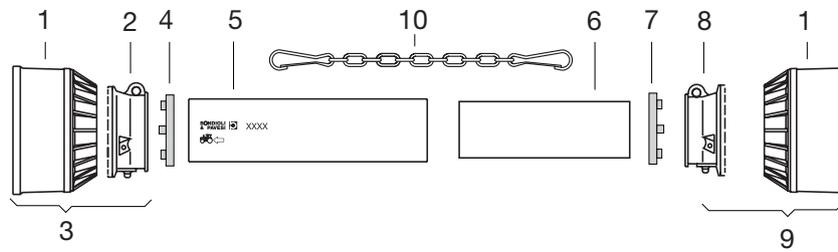
CODE	086	121
LENGTH L (mm)	860	1210
672	5F02086R9672FX	5F02121R9672FX
674	5F02086R9674FX	5F02121R9674FX
676	5F02086R9676FX	5F02121R9676FX
678	5F02086R9678FX	5F02121R9678FX

The codes above come with labels and instructions suitable for most countries. For North America, replace "FX" with "UC", for Japan replace "FX" with "JP", and for CE mark, replace "FX" with "CE." Refer to page 7 - 8 for further information on labels and instructions.

SHIELD BEARING SUPPORT RINGS



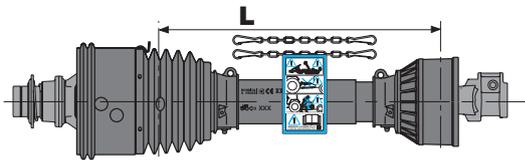
	INNER TUBE		OUTER TUBE	
	A mm		A mm	
1	30,4	255010006R02	40,4	255010005R02
2	40,4	255020006R02	47,4	255020005R02
43-4	46,4	255040006R02	53,4	255040005R02
5	53,4	255050006R02	62,4	255050005R02
6-7	59,4	255060006R02	68,4	255060005R02
8-9-10	68,4	255080006R02	80,4	255080005R02



Dim.	1*	2	3	4	5 L=086	6 L=086	7	8	9	10	
1	219010001	517010011	517010030	255010005R02	236660694	236650694	255010006R02	517010012	517010020	252000001R02	
2				255020005R02			255020006R02				
3-43	219040001	517040011	517040030	255040005R02	236680676	236670676	255040006R02	517040012	517040020		
4				255050005R02			255050006R02				
5				255060005R02			255060006R02				
6	219050001	517050011	517050030	236830650	236820650	255060006R02	517050012	517050020			
7				255080005R02			255080006R02				
8				219080005			517080111		517080130		236850602
9	219080001	517080011	517080030	255080005R02	236850602	236840602	255080006R02	517080012	517080020		252000005R02
10								517080012	517080020		

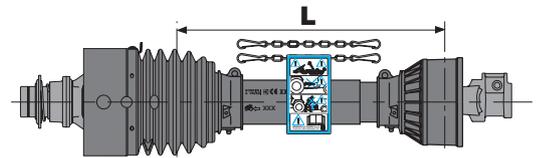
* Standard (#1) style end cone

80°



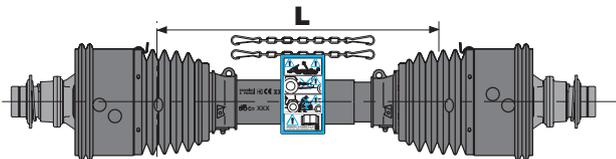
CODE	086	121
LENGTH L (mm)	860	1210
4	5F04086W1FX	5F04121W1FX
6	5F06086W1FX	5F06121W1FX
8	5F08086W1FX	5F08121W1FX

50°



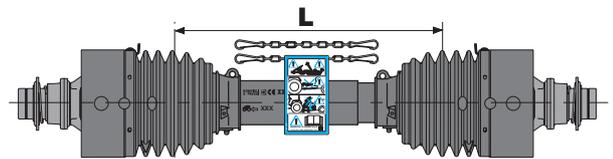
CODE	086	121
LENGTH L (mm)	860	1210
4	5F04086K1FX	5F04121K1FX
6	5F06086K1FX	5F06121K1FX
8	5F08086K1FX	5F08121K1FX

80°



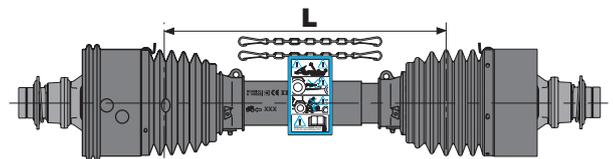
CODE	086	121
LENGTH L (mm)	860	1210
4	5F04086WWFX	5F04121WWFX
6	5F06086WWFX	5F06121WWFX
8	5F08086WWFX	5F08121WWFX

50°



CODE	086	121
LENGTH L (mm)	860	1210
4	5F04086KKFX	5F04121KKFX
6	5F06086KKFX	5F06121KKFX
8	5F08086KKFX	5F08121KKFX

80° - 50°



CODE	086	121
LENGTH L (mm)	860	1210
4	5F04086WKFX	5F04121WKFX
6	5F06086WKFX	5F06121WKFX
8	5F08086WKFX	5F08121WKFX

The codes above come with labels and instructions suitable for most countries. For North America, replace "FX" with "UC", for Japan replace "FX" with "JP", and for CE mark, replace "FX" with "CE". Refer to page 7-8 for further information on labels and instructions.

CF IMPLEMENT INPUT CONNECTION SHIELDS

The Machinery Directive (98/37/CEE) requires that the implement be equipped with an implement input connection shield fixed to the machine.

Standard EN1553 requires the implement input connection shield to completely encircle the shaft, but allow for installation and articulation of the driveline.

Standards EN1553 and ASAE S318.15 require the implement input connection shield to overlap the integral driveline guard by at least 50 mm in the straight position.

The tractor master shield, the integral driveline guard, and the implement input connection shield form an interactive guarding system according to ASAE S318.15. Bondioli & Pavesi recommends that driveline guards, master shields, and implement input connection shields always be used.

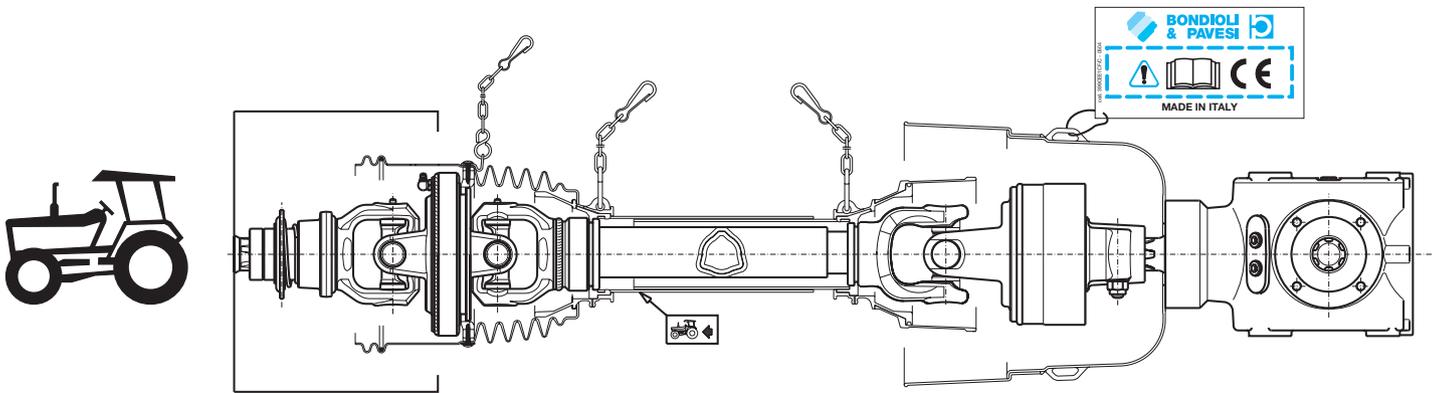
Any damaged or missing shields should be replaced with original equipment spare parts.

Bondioli & Pavesi recommends that the implement manufacturer affix a label on the implement warning of the hazards involved and the need to maintain the shields in place and in proper working order. It is also

recommended that the owner's manual provided by the implement manufacturer indicate the implement input connection shield and labels, and provide information for obtaining replacements.

In accordance with standards EN 1553 and ASAE S493.1, the implement manufacturer should provide a label stating that the machine should not be operated when the implement input connection shield is opened or removed.

Bondioli & Pavesi implement input connection shields are not designed nor intended to be used as steps.



Implement input connection shields destined for used in CEE-EFTA countries are provided with an instruction sheet and the Declaration of Conformity according to the Machinery Directive (98/37/CEE).

Add the suffix "CE" to the code to specify the instruction sheet and Declaration of Conformity for CEE-EFTA countries.



CF IMPLEMENT INPUT CONNECTION SHIELDS

Code	21901	41701	41711
Code	21902	41702	41712
Code	21903	41703	41713
Code	21904	41704	41714

Code 21904, 41704 and 41714 IIC shields can be supplied with one or two windows that give access for the installation of the driveline or checking that is properly secured.

To specify an IIC shield with access window(s), add the suffix "01" to the code for one opening, or add "02" for two openings.

The implement input connection shields 21904, 41704 and 41714 can be supplied in Zytel® upon customer request.

This material maintains its strength at elevated temperatures. Shields made of Zytel® can be used to guard devices operating at temperatures higher than normal, such as friction torque limiters working in heavy duty conditions.

	SINGLE CARDAN JOINT	RA	GE	SA1-2 LN1-2	SA3-4 LN3-4	LB	LR	FV-FNV FFV-FFNV FT-FNT	50° AND 70° CV JOINTS
1	21902	41702		41702	41712	21902		41704	21904
2									
43	41701								
4									21913
5	41702	4171401 4171402	4171401 4171402		41713	4171401 4171402	4171401 4171402	4171401 4171402	21913
6									
7	41703								
8									21913