



DRIVELINE SYSTEMS



Agricultural PTO Drive Shafts & Clutches



DLS CATALOGUE

IDENTIFY PARTS USING THE WALTERSCHEID DLS PARTS CATALOGUE**Steps:**

1. Measure UJ cap size & overall width of UJ. Measure width of yoke.
2. Turn to page 2-5 RE Wall chart.
3. EG. 32mm x 76mm = 2400 series (use calipers).
4. UJ, yoke & tube profile (lemon, star and splined profiles).
5. Wall chart depicts
 - Series, UJ Kits, Tube Profiles, Guards & Cone designations.
6. Page 18 & 19 quick reference table spline, hex & bore/key.
7. Page 7 Power/Torque table, speed to horse power.
8. Shaft types, W class & P class & matching components UJ kit chart (most common types).
9. Now that you know the series you have, if you require a quick release yoke to suit, for example your 2400 series. From the index on page 1, turn to page 22 & 23 or page 24 & 25 (if you need a clamp bolt). All parts made in that series are in the box 2400 series check type, standard 80° or P80°, check bore then select.
10. Refer to index for other parts EG; complete clutches, or clutch parts, cover standard, wide angle power guards, spline adaptors sleeves & tools.
11. If in doubt, don't hesitate, just give us a call for assistance.

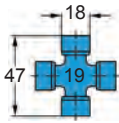
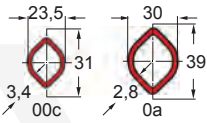
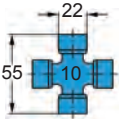
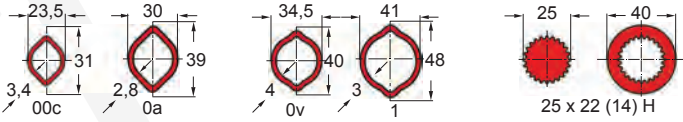
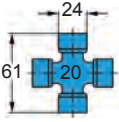
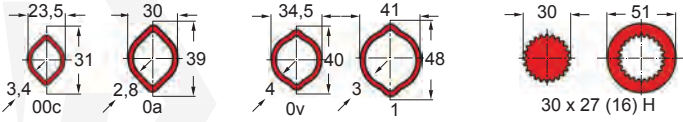
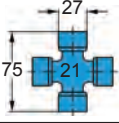
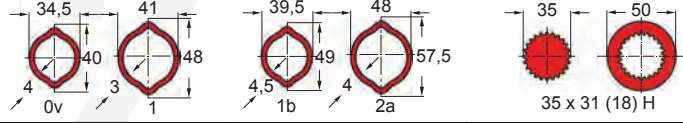
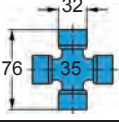
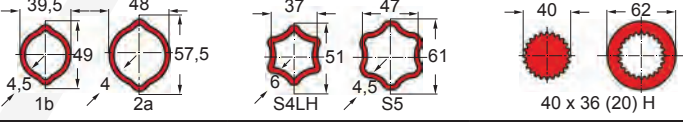
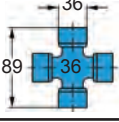
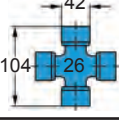
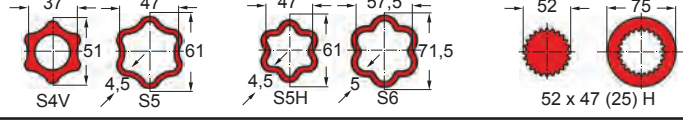


Agricultural PTO Drive Shafts and Clutches

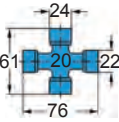
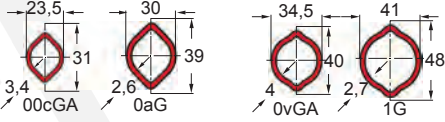
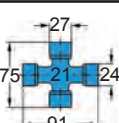
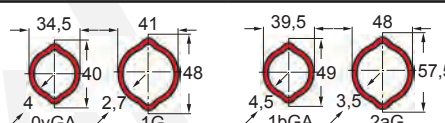
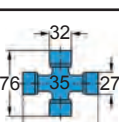
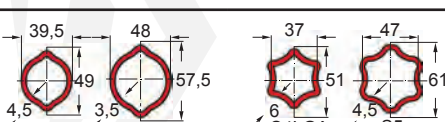
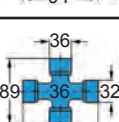
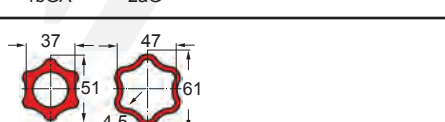
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Version 4.1 DLS
 Australian Edition
 DLS Catalogue and Spare Parts 2021

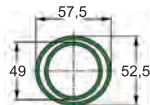
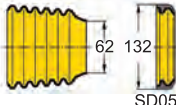
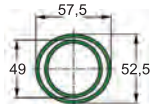
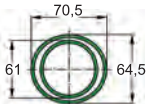
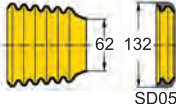
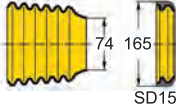
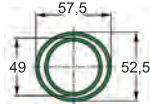
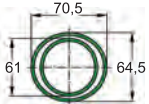
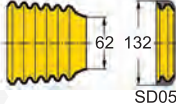
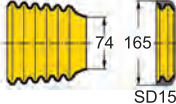
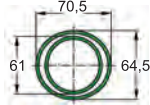
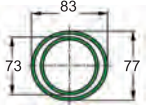
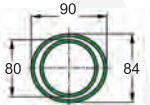
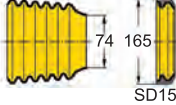
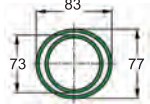
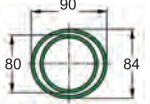
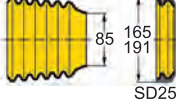
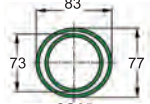
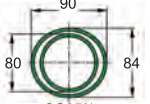
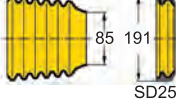
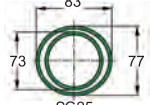
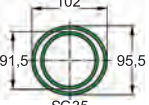
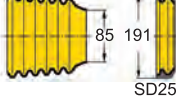
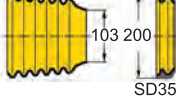
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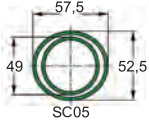
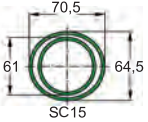
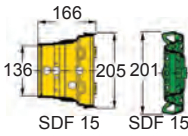
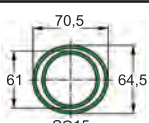
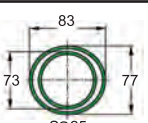
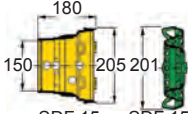
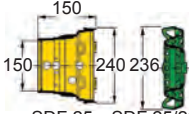
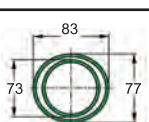
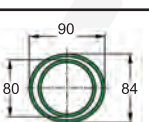
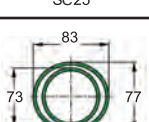
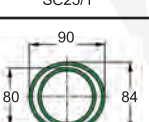
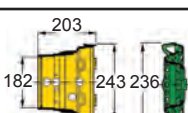
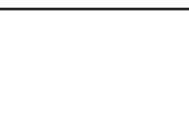
Size	Cross and bearing kit	Inboard yoke	Profile Pairing
Line W			
W 2000			
W 2100			
W 2200			
W 2300			
W 2400			
W 2500			
W 2600			

Line W WITH WIDE ANGLE JOINT ONE SIDE **WWE** / ON TWO SIDES **WWZ**

WW 2280			
WW 2380			
WW 2480			
WW 2580			

WALTERSCHEID SERIES IDENTIFICATION
Guard tubes
Guard cones

 SC05	 SD05		
 SC05	 SC15	 SD05	 SD15
 SC05	 SC15	 SD05	 SD15
 SC15	 SC25	 SC25/1	 SD15
 SC25	 SC25/1	 SD25	
 SC25	 SC25/1	 SD25	
 SC25	 SC35	 SD25	 SD35

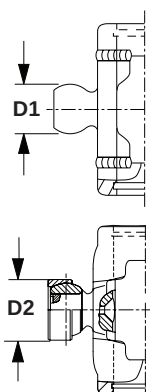
 SC05	 SC15	 SDF 15	
 SC15	 SC25	 SDF 15	 SDF 25
 SC25	 SC25/1	 SDF 25/20	 SDF 25/20
 SC25	 SC25/1	 SDF 25/20	 SDF 25/20

WALTERSCHEID SERIES IDENTIFICATION

Size	Cross and bearing kit	Inboard yoke	Profile Pairing
LINE P POWERDRIVE			
P 300			
P 400			
P 500			
P 600			
P 700			
P 800			

LINE P WITH WIDE ANGLE JOINT ON ONE SIDE **PWE** / ON TWO SIDES **PWZ**

PW 480			
PW 580			
PW 675			



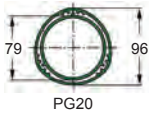
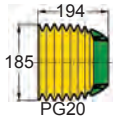
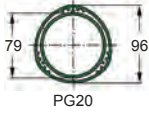
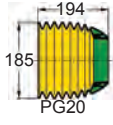
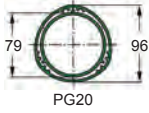
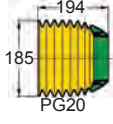
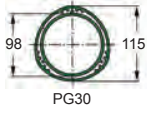
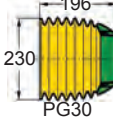
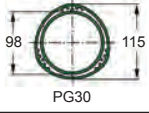
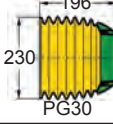
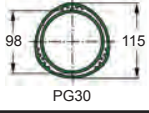
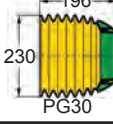
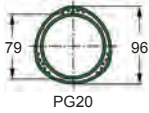
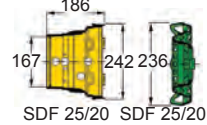
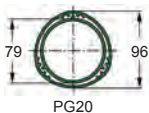
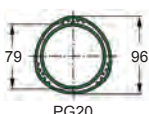
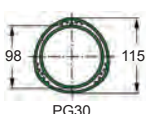
80° Type

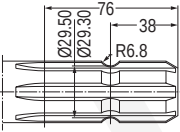
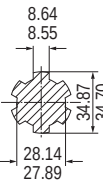
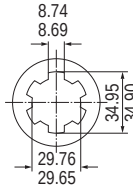
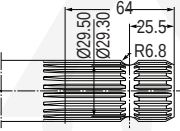
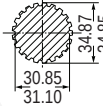
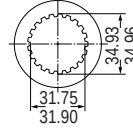
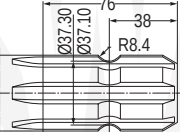
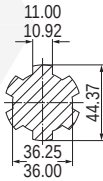
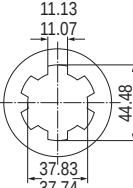
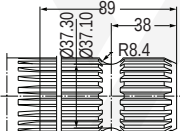
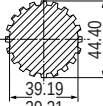
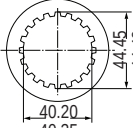
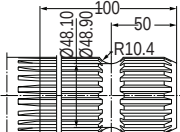
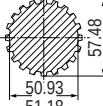
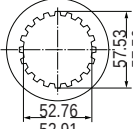
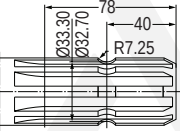
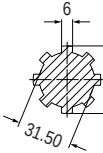
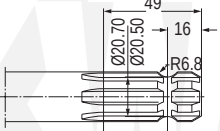
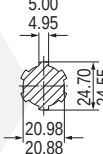
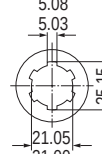
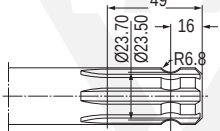
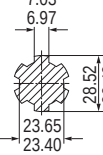
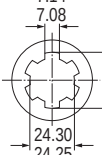
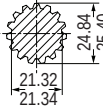
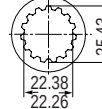


P75° P80° Type

80° P75° & P80° IDENTIFICATION TABLE

Series	D1 Ball Diameter mm	D2 Bush Diameter mm
2280	22	
2380	24	
2480	27	
2580	30	
P480		33
P580		39
P675		39

WALTERSCHEID SERIES IDENTIFICATION	
Guard tubes	Guard cones
 PG20	 PG20
 PG20	 PG20
 PG20	 PG20
 PG30	 PG30
 PG30	 PG30
 PG30	 PG30
 PG20	 SDF 25/20 SDF 25/20
 PG20	 SDF 25/20 SDF 25/20
 PG20	 SDF 25/20 SDF 25/20
 PG30	

SPLINE PROFILE IDENTIFICATION			
Spline	Dimensions in mm		
1 3/8" x 6			
1 3/8" x 21			
1 3/4" x 6			
1 3/4" x 20			
2 1/4" x 22			
8 x 32 x 38			
6 x 21 x 25			
1 1/8" x 6			
1" x 15			

Series	LIMIT VALUES		1 DYNAMIC CAPACITY SPEED*				2 DYNAMIC CAPACITY SPEED*			
	Ms Nm (inlb)	Mp Nm (inlb)	540 RPM		1000RPM		540 RPM		1000RPM	
			POWER kW (HP)	TORQUE Nm (inlb)	Power kW (HP)	Torque Nm (inlb)	Power kW (HP)	Torque Nm (inlb)	Power kW (HP)	Torque Nm (inlb)
2000	170 (1505)	900 (7965)	6 (8)	110 (970)	9 (12)	90 (795)	10 (14)	170 (1505)	15 (20)	140 (1240)
2100	350 (3100)	1150 (10180)	12 (16)	210 (1860)	18 (24)	175 (1550)	19 (26)	335 (2965)	29 (39)	275 (2430)
2200 2280	610 (5400)	1850 (16375)	20 (27)	355 (3140)	31 (42)	295 (2600)	32 (44)	560 (4955)	49 (67)	465 (4115)
2300 2380 P300	940 (8320)	2500 (22125)	28 (38)	500 (4420)	44 (60)	415 (3675)	45 (61)	790 (6995)	69 (94)	660 (5840)
2400 P400 2480	1420 (12570)	4000 (35400)	39 (53)	695 (6150)	61 (83)	580 (5130)	62 (85)	1100 (9740)	96 (131)	915 (8100)
2500 P500	2480 (21950)	6000 (53100)	66 (90)	1175 (10400)	102 (139)	975 (8630)	105 (143)	1860 (16460)	162 (220)	1545 (13670)
2580	2480 (21950)	6000 (53100)	66 (90)	1175 (10400)	102 (139)	975 (8630)	105 (143)	1860 (16460)	162 (220)	1545 (13670)
2600 P600	3910 (34600)	7800 (69030)	79 (107)	1400 (12390)	122 (166)	1165 (10310)	125 (170)	2215 (19605)	193 (263)	1840 (16285)
P480	1430 (12660)	3800 (33630)	45 (61)	800 (7080)	70 (95)	670 (5930)	71 (97)	1265 (11200)	110 (150)	1050 (9290)
P580	2470 (21860)	6000 (53100)	76 (103)	1350 (11950)	117 (159)	1120 (9910)	121 (165)	2140 (18940)	186 (253)	1775 (15710)
P675	3335 (29515)	8000 (70805)	103 (140)	1823 (16135)	158 (215)	1512 (13380)	163 (222)	2889 (25570)	251 (341)	2396 (21205)
P700	5670 (50180)	10600 (93810)	119 (162)	2095 (18540)	182 (248)	1740 (15400)	188 (256)	3320 (29380)	289 (393)	2760 (24420)
P800	7500 (66375)	14000 (123900)	159 (217)	2807 (28844)	244 (332)	2332 (20636)	252 (343)	4449 (39369)	387 (527)	3700 (32723)

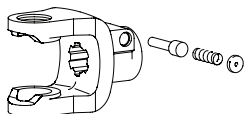
*Basis of Calculation of Dynamic Capacity

JOINT TYPE	1 DYNAMIC CAPACITY		2 DYNAMIC CAPACITY	
	Joint Angle	Life	Joint Angle	Life
Standard Joint	5°	1000 hrs	10°	100 hrs
Wide Angle CV Joint 75° & 80°	10°	1000 hrs	18°	100 hrs

Reference: Technical Manual 410/111 pp11-15
Detailed calculation information including formula equations for variables (speed, velocity joint angle, power and life).

LOCKING MECHANISM

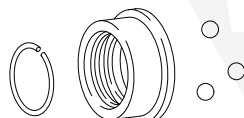
QR - Quick Release Pin



AZGE - Round Pull Back Collar Steel



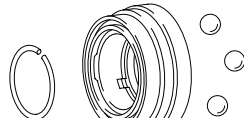
AS - Auto Snap Release Collar Steel



ASGE - Auto Snap Release Collar Plastic



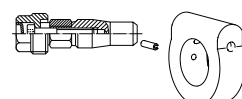
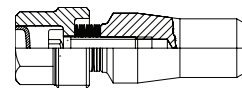
QS - Quick Snap (locks down) Plastic



ZV - Oval Pull Back Collar Steel



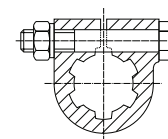
CC - Clamping Cone



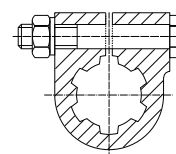
CB - Clamp Bolt (Clamp Bolt Bridge System)



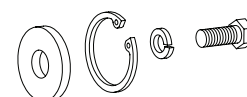
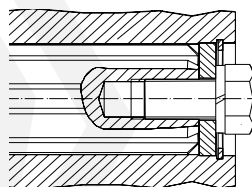
CB - Clamp Bolt (Interfering)



CB - Clamp Bolt (Non-Interfering)



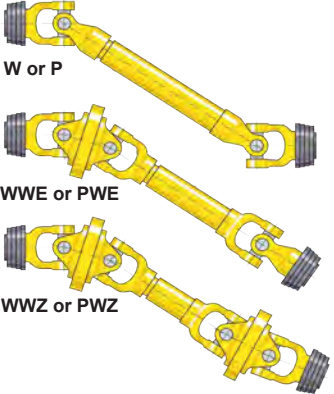
ZS - Central Inline Bolt



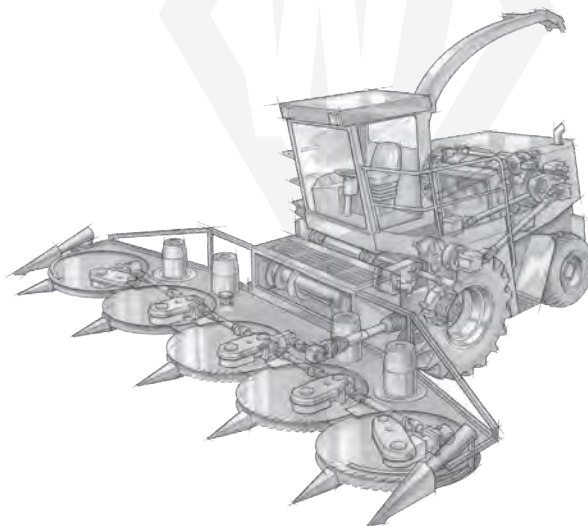
STANDARD DLS TYPES AND LENGTHS AVAILABLE

Series	Profile	Class	51cm	61cm	71cm	86cm	101cm	121cm	141cm	151cm
W2100	00c/0A	W	Y	Y	Y	Y	Y	Y	131cm	
W2200	0v/1	W	Y	Y	Y	Y	Y	Y	Y	Y
W2300	0v/1	W	Y	Y	Y	Y	Y	Y	Y	Y
W2300	1b/2a	W	Y	Y	Y	Y	Y	Y	Y	161cm
W2400	1b/2a	W	Y	Y	Y	Y	Y	Y	Y	161cm
W2400	S4/S5	W	Y	Y	Y	Y	Y	Y		
W2500	S4/S5	W	Y	Y	Y	Y	Y	Y	Y	Y
W2600	S5H/S6	W		Y	Y	Y	Y	Y	Y	
P500	S4/S5	P				Y		Y		
P600	S5H/S6	P			Y	Y		Y		
P700	S5H/S6	P			Y	810cm	960cm	Y		
P700	52X25	P		Y	Y	Y				
P800	60X28	P			Y					

WIDE ANGLE DLS TYPES AND LENGTHS AVAILABLE

Series	Profile	Class	86cm	101cm	121cm	141cm	161cm	
WE2280	0vGa/1a	W		Y	Y		Y	
WZ2280	0vGa/1a	W		Y	Y		Y	
WZ2380	0vGa/1a	W			Y			
WE2380	1bGa/2aG	W		Y	Y	Y		
WZ2380	1bGa/2aG	W			Y			
WE2480	1bGa/2aG	W		Y	Y	Y		
WZ2480	S4LGa/S5	W		Y	Y			
WE2580	S4Ga/S5	W			Y	151CM		
WZ2580	S4Ga/S5	W				151CM		
PWE480	1bGa/2aG	P			Y			
PWE480	S4LGa/S5	P		Y	Y	151CM		
PWZ480	1bGa/2aG	P			Y			
PWZ480	S4LGa/S5	P	96cm	Y	Y			
PWE580	S4Ga/S5	P	Y	Y	Y	Y	Y	
PWZ580	S4Ga/S5	P		Y	Y	Y		
PWE675	S5H/S6	P		Y	Y	Y		
PWZ675	S4Ga/S5	P				Y		

Note: Non Standard lengths available on request.

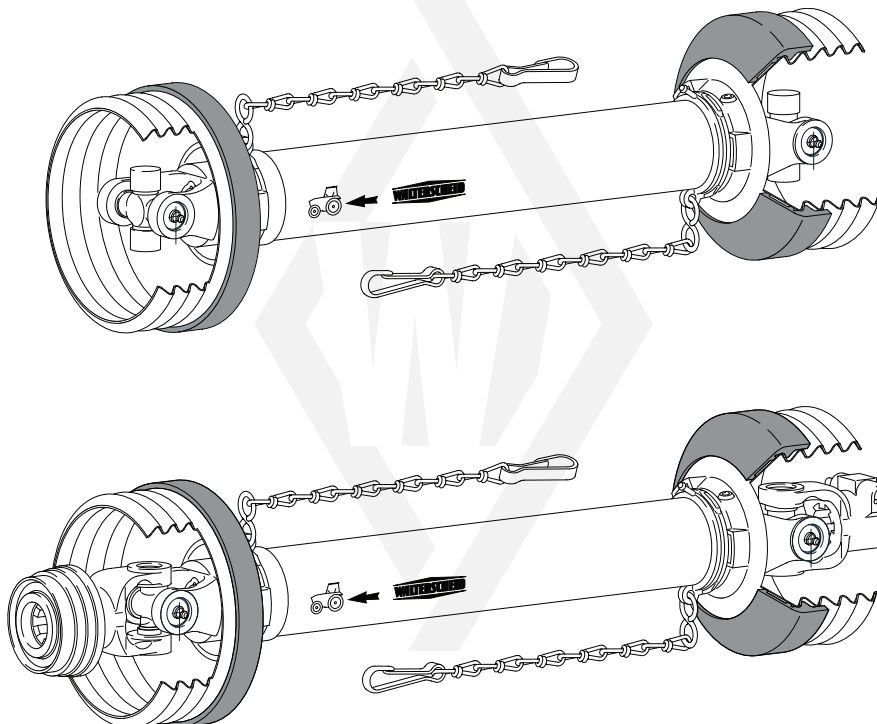


STANDARD SHAFT - W CLASS



STANDARD W CLASS -
Standard Joints both Ends. Refer
page 14 for shaft component
spare parts.

SERIES	HP RANGE	TUBE PROFILE										OPTIONAL		OPTIONS				
																		
		00c / 0a	0v / 1	0vGa / 1G	1b / 2a	1bGa / 2aG	S4LH / S5	S4LGa / S5	S4 / S5	S4Ga / S5	S5H / S6	Splined / Nib (Welded Type) High Speed		Cover	UJ Kit		Sliding	
	Refer Page 7	COVER TYPE											Cover	Larger Ø	Super Seal	Brg Cap Lube	Lubricator	Lube + Plug + Seal
		SC05	SC15	SC15	SC25	SC25	SC25	SC25	SC25	SC25	SD35							
W2000	8 - 20	STD										-	-					
W2100	16 - 39	STD	•	•								25 x 14Spl H	SC05		•	•		
W2200	27 - 67		STD	•								30 x 16Spl H	SC15		•	•		
W2300	38 - 94		STD	•	STD	•						35 x 18Spl H	SC25	SC25/1	•	•	•	
W2400	53 - 131				STD	•	•	•	STD	•		40 X 20Spl H	SC25	SC25/1	•	•	•	•
W2500	90 - 220								STD	•		40 X 20Spl H	SC25	SC25/1	•	•	•	•
W2600	107 - 263								•	•	STD	52 x 25Spl H	SD35		STD	•	•	•
END FITTINGS refer End Yoke pages 22-33 or Clutches pages 35-50																		
H Hardened																		



STANDARD SHAFT - P CLASS



P CLASS - Power Drive Design

- High Performance
- Long Life
- Extreme Safety Guard

Refer Page 14 for shaft components spare parts.

WALTERScheid
POWER
DRIVE



Super Seal UJ
Kit as Standard

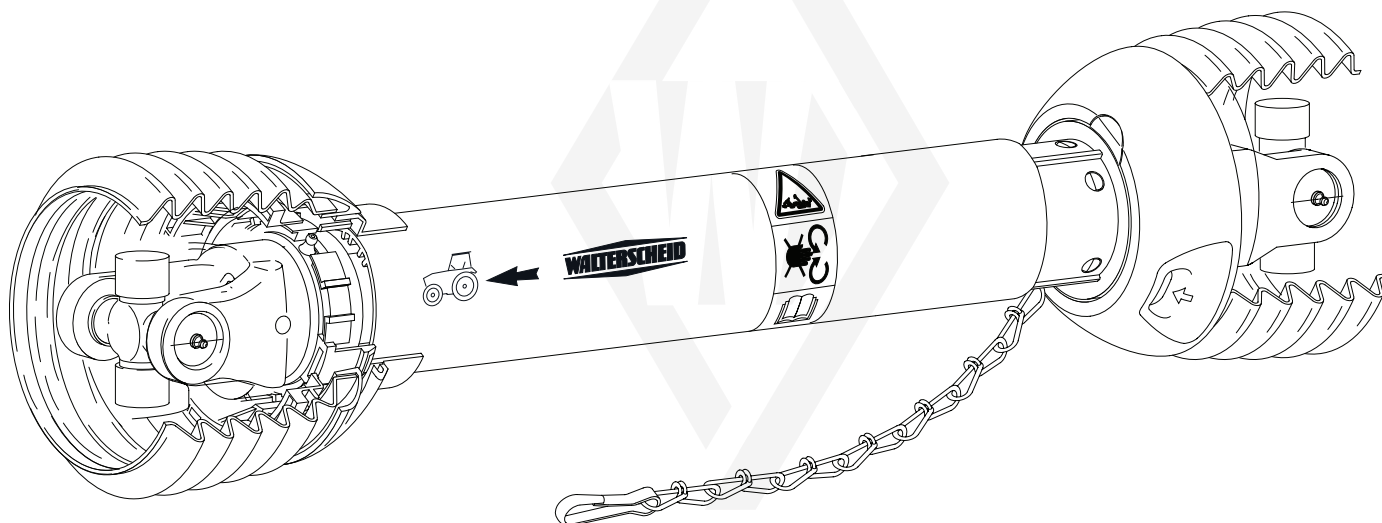
SERIES	HP RANGE	TUBE PROFILE									OPTIONS			
	Refer Page 7	1b / 2a	1bGa / 2aG	S4LH / S5	S4LGa / S5	S4 / S5	S4Ga / S5	S5H / S6	52 x 25Spl	60 x 28 spl	UJ Kit		Sliding Section	
		COVER SET									Super Seal	Brg Cap Lube	Lubricator	Lube + Plug + Seal
		PG20	PG20	PG20	PG20	PG20	PG20	PG30	PG30	PG30				
P300	38 - 94	STD	•								STD	•		
P400	53 - 131	STD	•	•	•	STD	•				STD	•		
P500	90 - 220					STD	•				STD	•	STD	STD
P600	107 - 263							STD	•		STD	•	STD	STD
P700	162 - 393							STD	•		STD		STD	
P800	217 - 527									STD	STD		STD	

END FITTINGS refer End Yoke Pages 22-33 or Clutches pages 35-50

H Hardened
STD Standard Stock Item

G Special Outer to suit Inner GA
• Optional

GA Coated surface



80° CV WIDE ANGLE SHAFTS - W CLASS

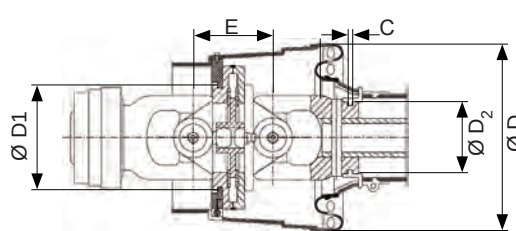
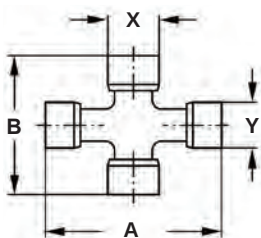


80° W CLASS - Refer Page 15 for shaft component spare parts.

SERIES	HP RANGE	TUBE PROFILE				OPTIONS				DESIGNATION	
											
		0vGa / 1G	1bGa / 2aG	S4LGa / S5	S4Ga / S5	UJ Kit		Sliding Section		Wide Angle 80° One End	Wide Angle 80° Both Ends
		Cover Set				Super Seal	Brg Cap Lube	Lubricator	Lube + Plug + Seal		
	Refer Page 7	SC15	SC25	SC25	SC25						
	W2280	27 - 67	STD				•	•	•		WE2280
W2380	38 - 94	•	STD			•	•	•	•	WE2380	WZ2380
W2480	53 - 131		STD	STD	•	•	•	•	•	WE2480	WZ2480
W2580	90 - 220			•	STD	•	•	•	•	WE2580	WZ2580

END FITTINGS refer End Yoke pages 22-33 or Clutches pages 35-50

IDENTIFICATION DATA



	Cross				Double Yoke		Inboard Yoke		Guard Cone
Series	A	Y	B	X	E	Ø D1	C	Ø D2	D
W2280	76	22	61	24	86	115	5	58	210
W2380	91	24	75	27	95	125	5	58/70	210/242
W2480	94	27	76	32	104	132	5	70	242
W2580	106	32	89	36	118	138	5	70	242

Dimensions are in mm

H Hardened

G Special Outer to suit Inner GA

GA Coated Surface

• Optional

75° & 80° CV WIDE ANGLE SHAFTS - P CLASS



Super Seal UJ Kit as Standard



75° & 80° P CLASS - Power Drive Design

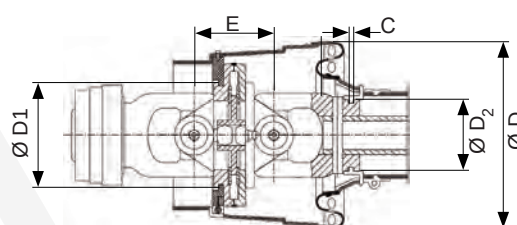
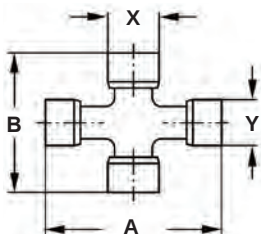
- High Performance
- Long Life
- Extreme Safety Guard

Refer Page 16-17 for shaft component spare parts

SERIES	HP RANGE	TUBE PROFILE				OPTIONS				DESIGNATION	
											
		1bGa / 2aG	S4LGa / S5	S4Ga / S5	S5H / S6H	UJ Kit		Sliding Section			
	Refer Page 7	Cover Set				Super Seal	Brg Cap Lube	Lubricator	Lube + Plug + Seal	Wide Angle 75° / 80° One End	Wide Angle 75° / 80° Both Ends
		PG20	PG20	PG20	PG25/30						
P480	61 - 150	STD	STD			STD	STD	•	•	PWE480	PWZ480
P580	103 - 253			STD		STD	STD	STD	STD	PWE580	PWZ580
P675	140 - 341			STD	STD	STD	STD	STD	STD	PWE675	PWZ675
END FITTINGS refer End Yoke pages 22-33 or Clutches pages 35-50											

END FITTINGS refer End Yoke pages 22-33 or Clutches pages 35-50

IDENTIFICATION DATA



	Cross				Double Yoke		Inboard Yoke		Guard Cone
Series	A	Y	B	X	E	Ø D1	C	Ø D2	D
P480	94	27	76	32	104	132	5	70	242
P580	106	32	89	36	118	138	5	70	242
P675	124	36	104	42	124	138	5	70	242

Dimensions are in mm

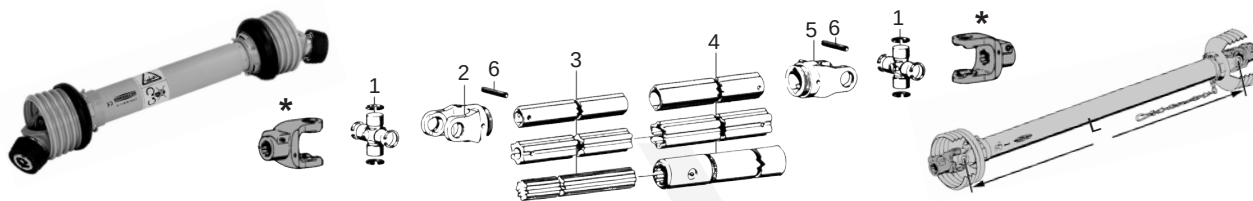
H Hardened

G Special Outer to suit Inner GA

GA Coated Surface

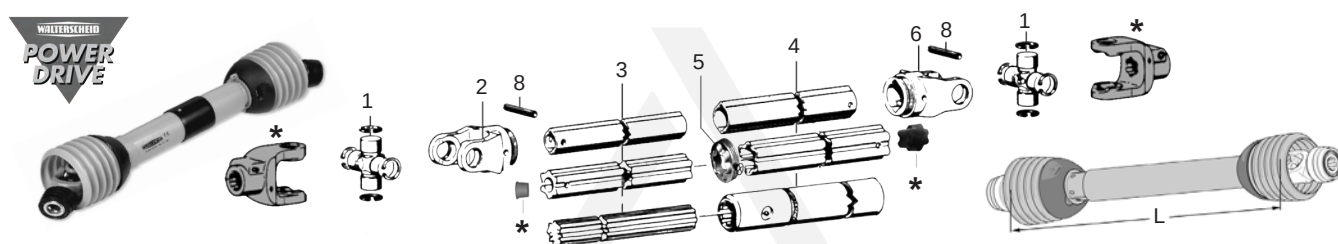
• Optional

STANDARD PTO W CLASS COMPONENTS



SERIES	1 UJ Kit Standard	2 Inner Tube Yoke	3 Inner Tube Profile		4 Outer Tube Profile		5 Outer Tube Yoke	6 Pin	Cover Set Type
2000	19.00.00	19.11.00	00c	75.02.00	0a	75.12.00	19.12.00	61.04.01	SC 05
2100	10.01.00	10.48.00	00c	75.02.00	0a	75.12.00	10.49.00	61.04.01	SC 05
		10.40.00	0v	75.11.00	1	75.15.00	10.41.00	61.04.05	SC 15
		10.48.02	25x14SplH	67.70.02	Welded Nib, Tube, & Yoke		10.49.135	61.04.01	SC 15
2200	20.00.00	20.32.00	00c	75.02.00	0a	75.12.00	20.33.00	61.04.05	SC 05
		20.11.00	0v	75.11.00	1	75.15.00	20.12.00	61.05.04	SC 15
		20.11.02	30x16SplH	67.73.01	Welded Nib, Tube, & Yoke		20.12.139	61.04.03	SC 15
2300	21.00.00	21.11.00	0v	75.11.00	1	75.15.00	21.12.00	61.05.04	SC 15
		21.22.100	1b	75.25.00	2a	75.35.00	21.22.101	61.05.03	SC 25
		21.11.02	35x18SplH	67.75.01	Welded Nib, Tube, & Yoke		21.12.124	61.05.04	SC 25
2400	35.00.00	35.13.00	1b	75.25.00	2a	75.35.00	35.14.00	61.05.08	SC 25
		35.13.100	S4LH	75.43.56	S5	75.45.00	35.14.100		
		35.13.02	40x20SplH	67.76.02	Welded Nib, Tube, & Yoke		35.14.155		
2500	36.00.00	36.13.100	S4	75.44.00	S5	75.45.00	36.14.100	61.05.12	SC 25
		36.13.02	40x20SplH	67.76.02	Welded Nib, Tube, & Yoke		36.14.152		
2600	26.00.03	26.13.100	S4	75.44.00	S5	75.45.00	26.14.100	61.05.13	SC 25
		26.13.00	S5H	75.45.55	S6	75.46.00	26.14.00	61.06.08	SD 35
		26.13.02	52x25SplH	67.78.04	Welded Nib, Tube, & Yoke		26.14.177	61.06.08	SD 35
2700	27.00.03	27.13.02	52x25SplH	67.78.04	Welded Nib, Tube, & Yoke		27.14.02	61.06.08	SD 35

POWER PTO P CLASS COMPONENTS



SERIES	1 UJ Kit Super- Seal	2 Inner Tube Yoke	3 Inner Tube Profile		4 Outer Tube Profile		5		6	8	Cover Set Type
							Seal Screw	Seal Ring	Outer Tube Yoke	Pin	
P300	21.00.03	21.13.20	1b	75.25.00	2a	75.35.00	-	-	21.14.20	61.05.08	PG20
P400	35.00.03	35.13.20					-	-	35.14.20		
		35.13.21	S4LH	75.43.56	S5	75.45.00	-	-	35.14.21		
P500	36.00.03	36.13.21	S4	75.44.00	S5	75.45.00	60.15.02	68.18.23	36.14.21	61.05.12	PG30
P600	26.00.03	26.13.30	S5H	75.45.55	S6	75.46.00	60.15.02	68.18.25	26.14.30	61.06.08	
P700	27.00.03	27.13.30							27.14.30		
		27.13.31	52x25spl H	67.78.04	52x25spl H	67.98.00	-	-	27.14.31	61.06.05	
P800	28.00.00	28.13.02	60x28spl H	67.80.01	60x28spl H	67.91.01	-	-	28.14.102	61.06.04	

* REFER PAGE FOR DETAILS

UJ KITS Page 20 - 21

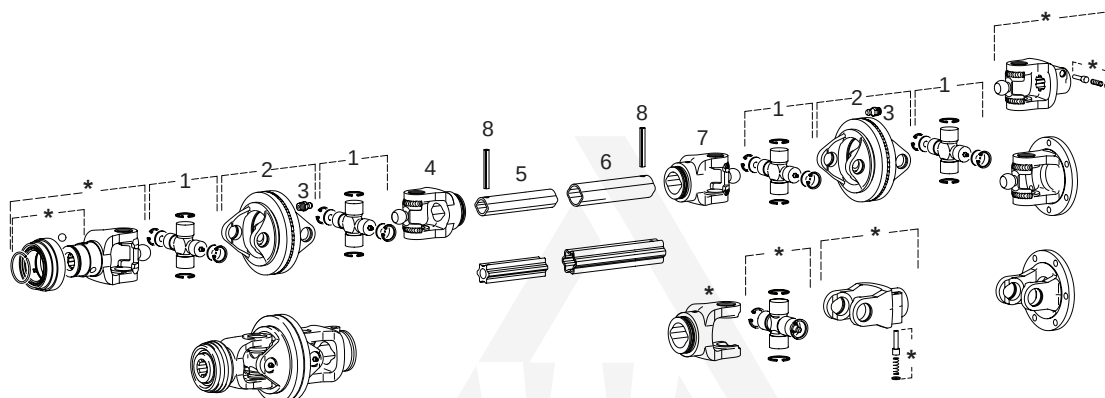
End Yoke Page 22 - 33

Cover Sets Page 75 -84

Tube Plugs & Seal Page 83

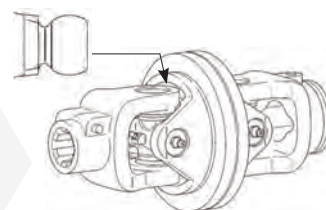
H Hardened
GA Coated surface

G Special Outer to suit Inner GA

80° CV WIDE ANGLE SHAFT - W CLASS COMPONENTS


Series	1 UJ Kit	2 Double Yoke	3 Lubricator	4 Inner Tube Yoke	5 Inner Tube Profile		6 Outer Tube Profile		7 Outer Tube Yoke	8 Pin	Cover Set type
2280	20.06.00	20.91.05	63.12.05	20.32.810	00cGa	75.06.95	0aG	75.13.00	20.33.810	61.04.05	SC05
				20.11.810	0vGA	75.11.95	1G	75.16.00	20.12.810	61.05.04	SC15
2380	21.06.00	21.91.05	63.12.05	21.11.810					21.12.810		
				21.42.810	1bGa	75.25.95	2aG	75.36.00	21.43.810	61.05.03	SC25
2480	35.06.00	35.41.05	63.12.05	35.13.10					S4LGa	75.43.95	
	35.06.02 CL			35.13.109 35.13.112CL	35.14.174	61.05.08					
2580	36.06.00	36.41.05	63.12.05	36.13.10	1s	75.27.15	2s	75.45.15	36.14.10	61.05.12	
	36.06.02 CL			36.13.104	S4Ga	75.44.95	S5	75.45.00	36.14.116		
				36.13.116CL					36.14.164CL		

SERIES	10	
	Wide Angle Assembly W Version	
	Part Number	Tube Application
2280	WG2280-83.830 1 3/8X6 Spl	OOc / Oa / Ov / 1
	WG2280-83.832 1 3/8x21 Spl	
2380	WG2380-83.830 1 3/8X 6 Spl	Ov / 1 / 1b / 2a / 35 x 18 Spl.
	WG2380-83.832 1 3/8X21 Spl	
	WG2380-18.810 1 3/4x6 Spl	
	WG2380-18.816 1 3/4x20 Spl	
2480	WG2480-83.830 1 3/8x6 Spl	1b / 2a / S4 / S5
	WG2480-83.832 1 3/8x21 Spl	
	WG2480-18.10 1 3/4x6 Spl	
	WG2480-18.12 1 3/4x20 Spl	
2580	WG2580-10.10 1 3/8x6 Spl	1S / 2S / S4 / S5 / 40 x 20 Spl.
	WG2580-10.12 1 3/8x21 Spl	
	WG2580-18.10 1 3/4x6 Spl	
	WG2580-18.12 1 3/4x20 Spl	



10 - W Version

* REFER PAGE FOR DETAILS

UJ KITS Page 20 - 21

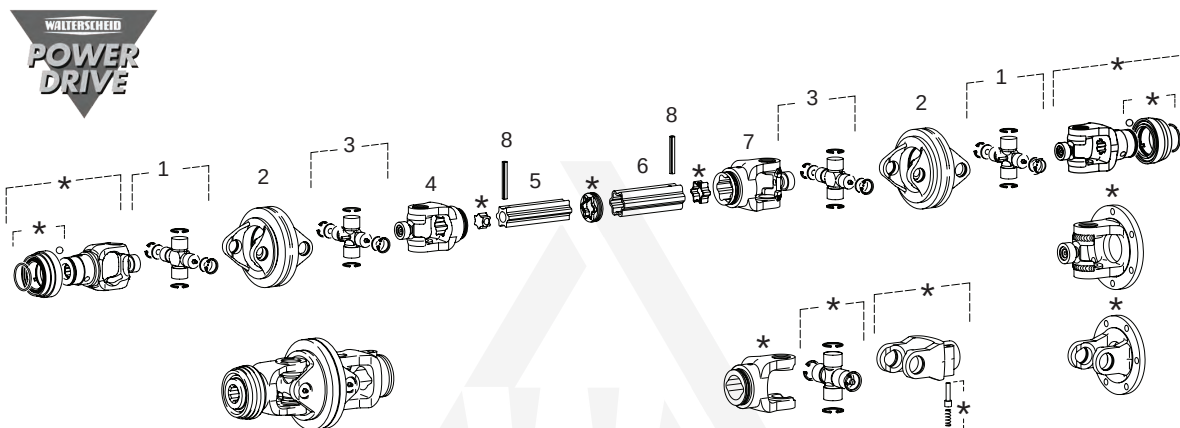
End Yoke Page 22 - 33

Cover Sets Page 75 - 84

 H Hardened
GA Coated Surface

G Special Outer to suit Inner GA

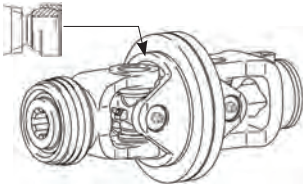
80° CV WIDE ANGLE POWER SHAFT - P CLASS COMPONENTS



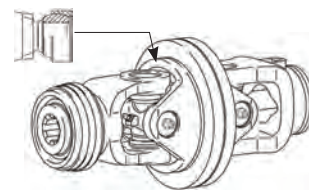
* For standard parts refer Power PTO End Yokes Page 14

SERIES	1 UJ Kit Super Seal	2 Double Yoke	3 UJ Kit	4 Inner Tube Yoke	5 Inner Tube Profile		6 Outer Tube Profile		7 Outer Tube Yoke	8 Pin	Cover Set Type
P480	35.06.131	35.41.08	35.06.134	35.13.310	1bGa	75.25.95	2aG	75.36.00	35.14.310	61.05.08	PG20
				35.13.311	S4LGa	75.43.95	S5	75.45.00	35.14.311	61.05.08	PG20
P580	36.06.131	36.41.08	36.06.134	36.13.312	S4Ga	75.44.95	S5	75.45.00	36.14.312	61.05.12	PG20

SERIES	10	
	Wide Angle Assembly P Version	
Part Number		Tube Application
P480	PJ480-83.310 (1 3/8X6 Spl)	1b / 2a / S4 / S5
	PJ480-83.312 (1 3/8X21 Spl)	
	PJ480-84.312 (1 3/4X20 Spl)	
P580	PJ580-83.318 (1 3/8X6 Spl)	S4 / S5
	PJ580-83.320 (1 3/8X21 Spl)	
	PJ580-84.320 (1 3/4X20 Spl)	
P675	PJ675-84.62 (1 3/8X6 Spl)	S4 / S5 / S6
	PJ675-84.63 (1 3/8X21 Spl)	
	PJ675-84.60 (1 3/4X20 Spl)	

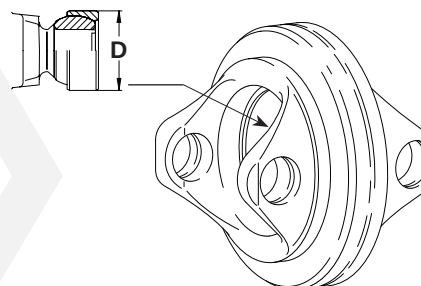


10 - P Version



10 - P Version

P Class Wide Angle Design		
Series	D mm	
P480	33	
P580	39	
P675	39	



* REFER PAGE FOR DETAILS

UJ KITS Page 20 - 21

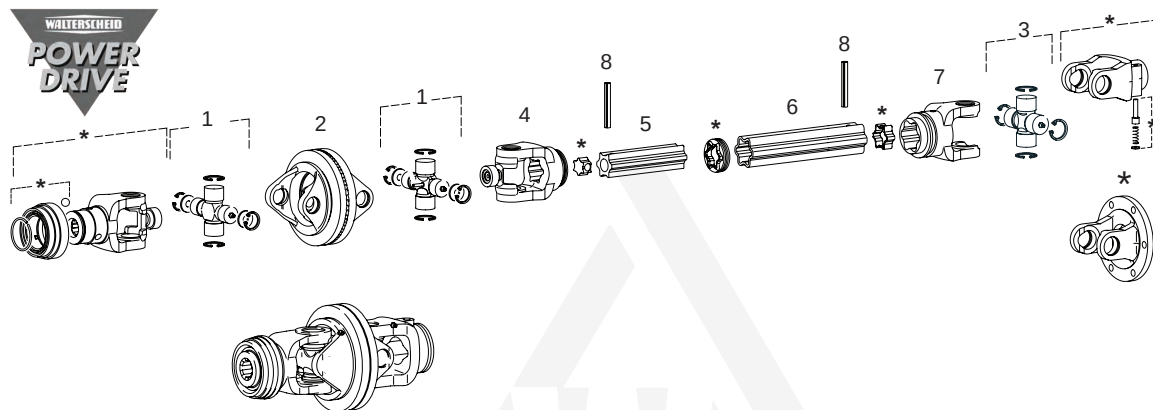
End Yoke Page 22 - 33

Cover Sets Page 75 -84

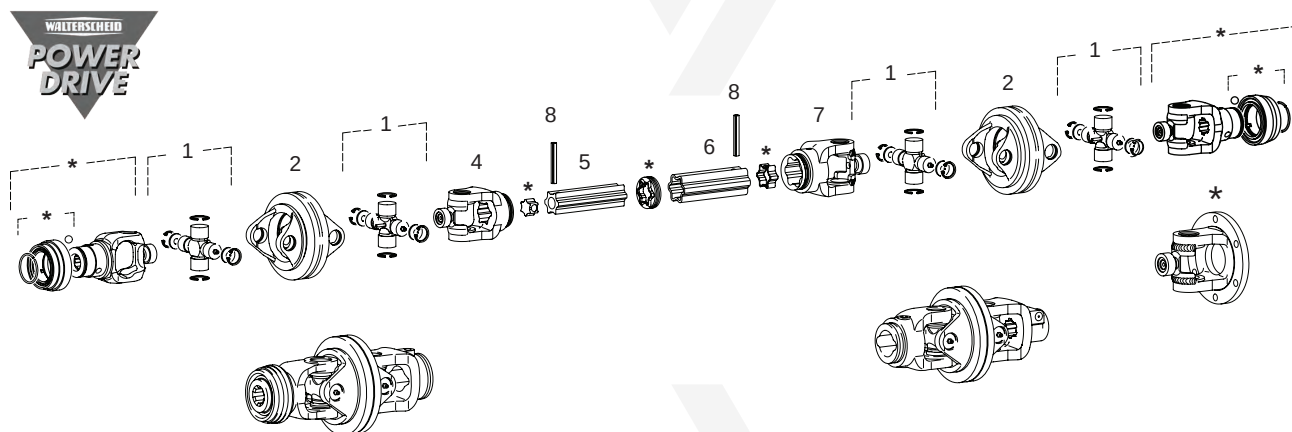
Tube Plugs & Seal Page 83

H Hardened
GA Coated Surface

G Special Outer to suit Inner GA

75° CV WIDE ANGLE POWER SHAFT - P CLASS COMPONENTS


Series	1 UJ Kit CL Super Seal	2 Double Yoke	3 UJ Kit Super Seal	4 Inner Tube Yoke	5 Inner Tube Profile		6 Outer Tube Profile		7 Outer Tube Yoke	8 Pin	Cover Set type
PWE 675	26.06.01	26.41.00	26.00.131	26.13.61	S5H	75.45.55	S6H	75.46.55	26.14.30	61.06.08	25V/PG30

75° CV WIDE ANGLE POWER SHAFT - P CLASS COMPONENTS


Series	1 UJ Kit CL Super Seal	2 Double Yoke	4 Inner Tube Yoke	5 Inner Tube Profile		6 Outer Tube Profile		7 Outer Tube Yoke	8 Pin	Cover Set type
PWZ 675	26.06.01	26.41.00	26.13.60	S4Ga	75.44.95	S5	75.45.00	26.13.61	61.06.08	25V/PG20

* REFER PAGE FOR DETAILS

UJ KIT Page 20 - 21

End Yoke Page 22 - 33

Cover Sets Page 75 - 84

Tube Plugs & Seal Page 83

H Hardened

G Special Outer to suit Inner GA

GA Coated surface

CL Central CV Lubricator

BORE		SERIES												
		2000	2100	2200	2300	2400	2500	2600	P600	P700	P800			
SPLINE SIZE	20mmx12													
	22mmx6													
	25mmx6													
	25mmx10													
	25mmx13													
	25mmx14													
	25mmx18													
	28mmx6													
	30mmx6													
	30mmx16													
	30mmx22													
	35mmx16													
	35mmx18													
	36mmx8													
	38mmx8													
	40mmx20													
	42mmx8													
	45mmx22													
	52mmx25													
	52mmx26													
	55mmx26													
	60mmx28													
	1"x15													
	1 1/8"x6													
	1 1/4"x6													
	1 1/4"x14													
	1 1/4"x19													
	1 3/8"x6													
	1 3/8"x21													
	1 1/2"x10													
	1 1/2"x11													
	1 1/2"x17													
	1 1/2"x23													
	1 5/8"x25													
	1 3/4"x6													
	1 3/4"x13													
	1 3/4"x20													
	1 3/4"x27													
	2 1/4"x22													
HEXAGON	7/8													
	1"													
	1 1/8"													
	1 1/4"													
	1 1/2"													
	27mm													
		2000	2100	2200	2300	2400	2500	2600	P600	P700	P800			

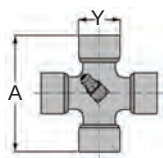
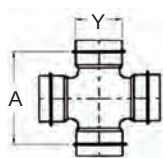
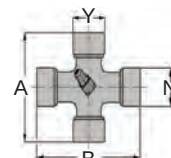
Note: More types available quick reference only

BORE		SERIES												
		2000	2100	2200	2300	2400	2500	2600	P600	P700	P800			
BORE & KEY	20mm PB													
	20mmx6mmK													
	22mm PB													
	22mmx6mmK													
	25mm PB													
	25mmx6mmK													
	25mmx8mmK													
	30mm PB													
	30mmx8mmK													
	35mm PB													
	35mmx10mmK													
	40mm PB													
	40mmx12mmK													
	45mmx14mmK													
	50mmx14mmK													
	3/4"x3/16K													
	7/8"x3/16K													
	7/8"x1/4K													
	1" PB													
	1" x1/8K													
	1" x1/4K													
	1 1/8" PB													
	1 1/8"x1/4K													
	1 1/4" PB													
	1 1/4"x1/4K													
	1 1/4"x5/16K													
	1 1/4"x3/8K													
	1 3/8" PB													
	1 3/8"x1/4K													
	1 3/8"x5/16K													
	1 3/8"x3/8K													
	1 7/16" PB													
	1 7/16"x3/8K													
	1 1/2" PB													
	1 1/2"x3/8K													
	1 3/4"x1/2K													
	2"x1/2K													
		2000	2100	2200	2300	2400	2500	2600	P600	P700	P800			

PB : Plain Bore
K : Keyway

Note: More types available quick reference only

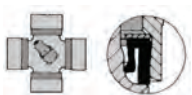
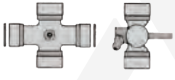
GENUINE WALTERSCHEID UJ KIT

Type 1
StandardType 2
Internal CirclipType 3
Wide Angle 75° & 80°

Type Notes	Dimensions				Series	Part Number
	Y	N	A	B		
1	18		47		2000	19.00.00
1	22		55		2100	10.01.00
1 S	22		55		2100	10.01.02
1 LB	22		55		2100	10.01.141
1 LBX2	22		55		2100	10.01.143
1	24		61		2200	20.00.00
1 LB	24		61		2200	20.00.141
1 S	24		61		2200	20.00.03
3 SP	24	22	61	76	2280	20.06.00
3 LB.SP	24	22	61	76	2280	20.06.141
1	27		70		1	11.03.00
1	27		75		2300	21.00.00
1 LB	27		75		2300	21.00.141
1 LBX4	27		75		2300	21.00.1414
1 LB&S	27		75		2300/P300	21.00.131
1 S	27		75		2300/P300	21.00.03
3 SP	27	24	75	91	2380	21.06.00
3 LB.SP	27	24	75	91	2380	21.06.141
1	30		92		220	22.00.00
1	30		106.5		230	23.00.00
1	32		76		2400	35.00.00
1 S	32		76		2400/P400	35.00.03
1 LB	32		76		2400	35.00.141
1 LB&S	32		76		2400/P400	35.00.131
1 LBX2	32		76		2400	35.00.143
3 LB, SP&S	32	27	76	94	2480/P480	35.06.131
3 SP	32	27	76	94	2480	35.06.00
3 LB	32	27	76	94	2480	35.06.141
3 SP&S	32	27	76	94	2480/P480	35.06.03
3 CL,SP&S	32	27	76	94	2480/P480	35.06.130
3 CL&SP	32	27	76	94	2480	35.06.02
3 LB,SP&S,CL	32	27	76	94	2480/P480	35.06.134
2 IC	34		56		11	12.00.00
1	35		106.5		240	24.01.00
1	36		89		2500	36.00.00
1 LB	36		89		2500	36.00.141
1 LBX2	36		89		2500	36.00.143
1 LB&S	36		89		2500/P500	36.00.131
1 S	36		89		2500/P500	36.00.03
1 S, LBX4	36		89		2500/P500	36.00.1314
3 LB.SP&S	36	32	89	106	2580/P580	36.06.131
3 LB.SP&S.CL	36	32	89	106	2580/P580	36.06.134
3 SP	36	32	89	106	2580	36.06.00
3 CL&SP	36	32	89	106	2580	36.06.02
3 LB	36	32	89	106	2580	36.06.141
3 SP&S	36	32	89	106	2580/P580	36.06.03
3 CL,SP&S	36	32	89	106	2580/P580	36.06.130
1 S	42		104		2600/P600	26.00.03
1 LB&S	42		104		2600/P600	26.00.131
1 LBX4	42		104		2600/P600	26.00.1314
3 LB	42	36	104	124	P675	26.06.01
1	50		118		P700	27.00.03
1 M	50		118		P700	27.00.03-M
1 M, LB	50		118		P700	27.00.131-M
1 M, LBX4	50		118		P700	27.00.1314-M
1	53		135		P800	28.00.00
1 LBX4	53		135		P800	28.00.1314

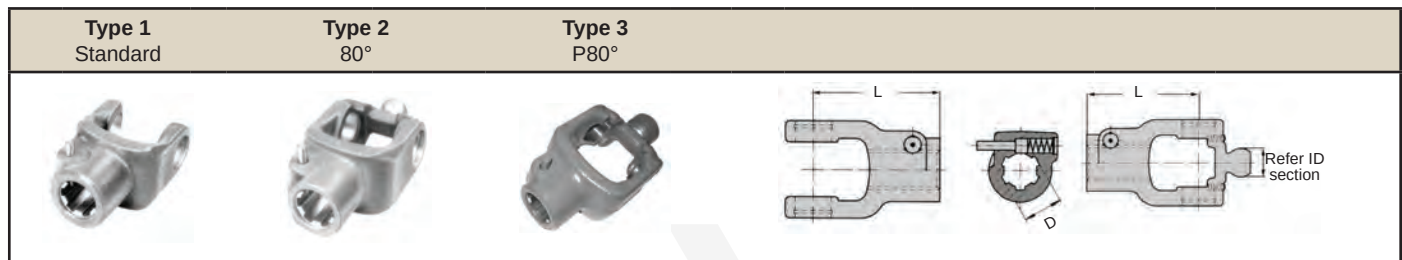
Refer to Sabre AG Catalogue for all Non-Genuine Universal Joint Kits

GENUINE WALTERSCHEID UJ KIT

NOTES						LUBRICATORS		
	S	Super Seal		SP	Wide Angle 80° with Spacers	Lubricator 2000 Series only	45°	63.22.02
	LB SP CL	Wide Angle with Nipple Lubricator in Cap		CL	Wide Angle 80° with Central CV Lubricator	Lubricator Standard	67.5°	63.27.00
	LB	Lubricator in Bearing Cap	SL1 - Lubricator at 90° SL2 - Lubricator at 45°	SL	Special Lubricator	Lubricator Special	45° 90°	63.22.01 63.32.01
	LBX2	Lubricator in 2 Caps	Extra machined grease tracks in journals for extended bearing life	M	Modified Universal Joint	Bearing Cap Lubricator	-	63.11.01
	LBX4	Lubricator in all Caps						



Dismantle Tools for Universal Joint Kits



Series	Type	D D x Spline	L mm	Part Number
2100	1	25mm x 6	90	10.11.100
	1	38mm x 8	115	10.34.110
	1	1 1/8" x 6	90	10.11.00
	1	1 3/8" x 6	89	10.10.00
	1	1 3/8" x 21	89	10.50.00
	1	1 3/4" x 6	121	10.39.101
2200	1	1 1/8" Hex	98	20.10.141
	1	25mm x 6	82	20.27.116
	1	1 1/8" x 6	94	20.27.00
	1	1 3/8" x 6	98	20.10.00
	1	1 3/8" x 21	98	20.18.00
	1	1 3/4" x 6	121	20.11.101
	1	1 3/4" x 20	121	20.11.118
	2. 80°	1 3/8" x 6	98	20.10.810
	2. 80°	1 3/8" x 21	98	20.40.810
2300	1	1 1/8" Hex	107	21.10.129
	1	38mm x 8	107	21.18.124
	1	1 1/8" x 6	106	21.17.00
	1	1 3/8" x 6	107	21.10.00
	1§	1 3/8" x 6	77	21.10.142
	1	1 3/8" x 6 (Fahr)	125	21.40.100
	1	1 3/8" x 21	107	21.19.00
	1	1 3/4" x 6	111	21.18.00
	1	1 3/4" x 20	111	21.18.14
	2. 80°	1 3/8" x 6	107	21.10.810
	2. 80°	1 3/4" x 20	111	21.18.816

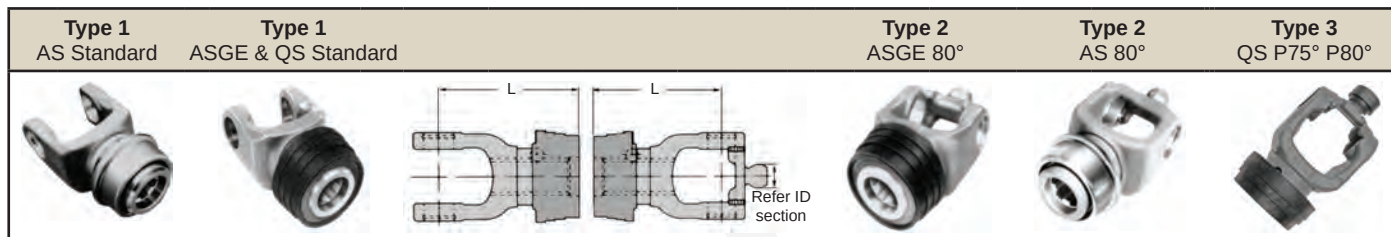
QUICK RELEASE PIN SETS			
Series	Description	Dia	Part Number
2100 - 2600		mm	
	1 1/8" & 1 3/8" Yokes	14.8	Agraset 101
	1 3/4" Yokes	18.0	Agraset 102

Series	Type	D D x Spline	L mm	Part Number
2400	1	1 1/8" Hex	112	35.10.140
	1	38mm x 8	112	35.10.108
	1	1 3/8" x 6	112	35.10.00
	1	1 3/8" x 6	103	35.10.142
	1	1 3/8" x 21	112	35.10.02
	1§	1 3/8" x 21	77	35.79.101
	1§	1 3/8" x 21	83	35.79.106
	1§	1 3/8" x 21	92	35.79.102
	1	1 3/4" x 6	112	35.18.00
	1	1 3/4" x 20	112	35.18.02
	1§	1 1/2" x 23	92	35.79.112
	2. 80°	1 3/8" x 6	112	35.10.10
	2. 80°	1 3/8" x 21	112	35.10.12
	2. 80°	1 3/4" x 6	112	35.18.10
	2. 80°	1 3/4" x 20	112	35.18.12
2500	1	1 1/8" Hex	118	36.10.120
	1	1 1/4" Sq	118	36.18.1250SQ
	1	1 1/2" Hex	118	36.18.135
	1	1 3/8" x 6	118	36.10.00
	1^	1 3/8" x 6	134	36.30.102
	1	1 3/8" x 21	118	36.10.02
	1§	1 3/8" x 21	102	36.10.129
	1§	1 1/2" x 23	98	36.10.131
	1	1 3/4" x 6	118	36.18.00
	1^	1 3/4" x 6	118	36.18.141
	1^	1 3/4" x 6	134	36.30.100
	1	1 3/4" x 20	118	36.18.02
	1^□	1 3/4" 20	134	36.30.110
	1§	1 3/4" x 20	82	36.18.170
	2. 80°	1 3/8" x 6	118	36.10.10
	3. P80°	1 3/8" x 6	118	36.10.310
	2. 80°	1 3/8" x 21	118	36.10.12
	2. 80°	1 3/4" x 6	118	36.18.10
	2. 80°	1 3/4" x 20	118	36.18.12
2600	1	1 3/8" x 6	128	26.10.00
	1	1 3/8" x 21	128	26.10.02
	1^	1 3/8" x 21	128	26.10.102
	1	1 3/4" x 6	128	26.18.00
	1	1 3/4" x 20	128	26.18.02

§ Short Ear Yoke

^ Rotating Bend Angle 70°

□ Master Spline



Series		D	L	Part Number
Type		D x Spline	mm	
2100	1.AS	25mm x 10	76	10.80.100
	1.AS	1" x 15	76	10.80.00
	1.ASGE	1 3/8" x 6	96	10.83.30
	1.ASGE	1 3/8" x 21	96	10.83.32
2200	1.AS	1" x 15	98	20.82.106
	1.ASGE	1 3/8" x 6	98	20.83.30
	1.ASGE	1 3/8" x 21	98	20.83.32
	2.ASGE 80°	1 3/8" x 6	98	20.83.830
	2.ASGE 80°	1 3/8" x 21	98	20.83.832
2300	1.ASGE	1 3/8" x 6	107	21.83.30
	1.ASGE	1 3/8" x 21	107	21.83.32
	1.QS	1 3/4" x 6	125	21.84.00
	1.QS	1 3/4" x 20	125	21.84.02
	2.ASGE 80°	1 3/8" x 6	107	21.83.830
	2.ASGE 80°	1 3/8" x 21	107	21.83.832
	2.QS 80°	1 3/4" x 6	125	21.84.810
	2.QS 80°	1 3/4" x 20	125	21.84.812
2400	1.ASGE	1 3/8" x 6	112	35.83.30
	1.ASGE	1 3/8" x 21	124	35.83.32
	1.QS	1 3/4" x 6	126	35.84.00
	1.AS	1 3/4" x 20	126	35.84.102
	2.ASGE 80°	1 3/8" x 6	118	35.83.830
	2.ASGE 80°	1 3/8" x 21	126	35.83.832
	2.QS 80°	1 3/4" x 6	132	35.84.10
	2.AS 80°	1 3/4" x 20	132	35.84.112
	3.QS P80°	1 3/8" x 6 (H)	132	35.83.310
	3.QS P80°	1 3/8" x 21(H)	126	35.83.312
	3.QS P80°	1 3/4" x 6	132	35.84.310
	3.QS P80°	1 3/4" x 20 (H)	132	35.84.312
	3.AS P80°	1 3/4" x 6	132	35.84.314
	3.AS P80°	1 3/4" x 20	132	35.84.316

Series Type		D D x Spline	L mm	Part Number
2500	1.AS	1 3/8" x 6	133	36.83.100
	1.AS	1 3/8" x 21	133	36.83.102
	1.AS	1 3/4" x 6	133	36.84.100
	1.AS	1 3/4" x 20	133	36.84.102
	2.AS 80°	1 3/8" x 6	139	36.83.110
	2.AS 80°	1 3/8" x 6 (H)	139	36.83.130
	2.AS 80°	1 3/8" x 21	139	36.83.112
	2.AS 80°	1 3/8" x 21 (H)	139	36.83.132
	2.QS 80°	1 3/4" x 6	133	36.84.10
	2.AS 80°	1 3/4" x 20	139	36.84.112
	3.QS P80°	1 3/8" x 6 (H)	139	36.83.318
	3.QS P80°	1 3/8" x 21 (H)	139	36.83.320
	3.QS P80°	1 3/4" x 6	139	36.84.310
	3.QS P80°	1 3/4" x 20 (H)	139	36.84.320
	3.AS P80°	1 3/8" x 6	139	36.83.310
	3.AS P80°	1 3/8" x 21	139	36.83.312
	3.AS P80°	1 3/4" x 6	139	36.84.314
	3.AS P80°	1 3/4" x 20	139	36.84.316
2600	1.AS	1 3/8" x 6	146	26.84.100
	1.AS	1 3/8" x 21	146	26.84.102
	1.AS	1 3/4" x 6	146	26.84.104
	1.AS	1 3/4" x 20	146	26.84.106
	3.QS P75°	1 3/8" x 6H	152	26.84.62
	3.QS P75°	1 3/8" x 21H	152	26.84.63
	3.QS P75°	1 3/4" x 6H	152	26.84.61
	3.QS P75°	1 3/4" x 20H	152	26.84.60
P700	1.QS	1 3/4" x 6	165	27.84.04
	1.QS	1 3/4" x 20	165	27.84.06

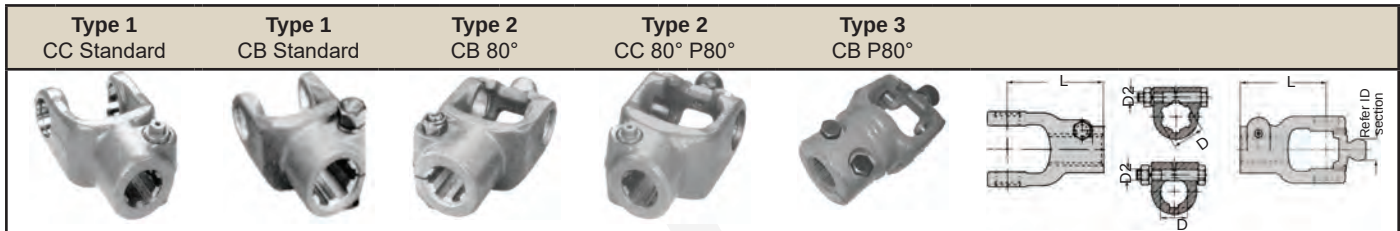
H Hardened

LOCKING COLLAR SETS

Diagram	Description	Part Number
Q S Yokes		
	1 3/8" All Series except 2500 & 2600	Agraset 122
	1 3/8" Series 2500 & 2600	Agraset 123
	1 3/4" All Series	Agraset 124
A S Yokes		
	25mmx10 Series 2100 & 2200	Agraset 120
	1" x 15	

LOCKING COLLAR SETS

Diagram	Description	Part Number
A S Yokes		
	1 3/8" All Series except 2500 & 2600	Agraset 117
	1 3/8" Series 2500 & 2600	Agraset 118
	1 3/4" All Series	Agraset 119
A S G E Yokes		
	1 3/8" All Series	Agraset 172
A Z G E Yokes		
	1 3/8" All Series	Agraset 173



Series	Type	D Splines/Bore/Key	D2 mm	L mm	Part Number
2100	1.CB	1 1/8" x 6 Spl	12	89	10.10.05
	1.CB	1 3/8" x 6 Spl	12	89	10.10.06
	1.CB	1 3/8" x 21 Spl	12	89	10.10.15
	1.CB	25mm x 8mm K	12	95	10.10.110
	1.CB	30mm x 8mm K	12	89	10.10.07
	1.CB	1" x 1/4" K	12	95	10.10.142
	1.CB	1 1/8" x 1/4" K	12	95	10.10.144
	1.CB	1 1/4" x 1/4" K	12	95	10.10.146
	1.CB	1 1/4" x 5/16" K	12	95	10.10.148
2200	1.CB	1 1/8" Hex	12	98	20.10.141PB
	1.CB	27mm Hex	12	98	20.10.145
	1.CC	1 1/8" x 6Spl	12.5	98	20.10.34
	1.CB	1 3/8" x 6 Spl	12	98	20.10.02
	1.CB	1 3/8" x 21 Spl	12	98	20.10.119
	1.CB	35mm x 18 Spl	12	98	20.10.133
	1.CB	35mm x 16 Spl	12	98	20.10.149
	1.CB	25mm x 8mm K	12	98	20.19.121
	1.CB	30mm x 8mm K	12	98	20.10.04
	1.CB	1" x 1/4" K	12	98	20.19.127
	1.CB	1 1/8" x 1/4" K	12	98	20.19.129
	1.CB	1 1/4" x 1/4" K	12	98	20.10.121
	1.CB	1 1/4" x 5/16" K	12	98	20.10.123
	1.CB	1 1/4" x 3/8" K	12	98	20.34.110
	2.CB 80°	1 3/8" x 6 Spl	12	98	20.10.812
	2.CB 80°	1 3/8" x 21 Spl	12	98	20.10.821
2300	1.CB	1 1/8" Hex	12	107	21.10.129PB
	1.CB	27mm Hex	12	107	21.10.133
	1.CB	1 1/8" x 6 Spl	12	107	21.20.00
	1.CB	1 3/8" x 6 Spl	12	107	21.29.00
	1.CC	1 3/8" x 6 Spl	12	107	21.10.30
	1.CB	1 3/8" x 21 Spl	12	107	21.10.110
	1.CB	1 3/4" x 6 Spl	16	111	21.18.04
	1.CB	1 3/8" x 20 Spl	16	111	21.18.1750/20
	1.CB	30mm x 16 Spl	12	111	21.20.112
	1.CB	25mm x 8mm K	12	107	21.20.106
	1.CB	30mm x 8mm K	12	107	21.29.02
	1.CB	35mm x 10mm K	12	111	21.18.02
	1.CB ¥	35mm x 12mm K	12	111	21.18.116
	1.CB ¥	1" x 1/4" K	12	107	21.10.112
	1.CB	1 3/16" x 1/4" K	12	107	21.10.1188/250
	1.CB	1 1/4" x 1/4" K	12	107	21.10.108
	1.CB	1 1/4" x 5/16" K	12	107	21.10.114
	1.CB	1 3/8" x 5/16" K	12	111	21.18.136
	1.CB	1 1/2" x 3/8" K	12	111	21.18.146

Series	Type	D Splines/Bore/Key	D2 mm	L mm	Part Number
2300	2.CB 80°	1 3/8" x 6 Spl	12	107	21.10.814
	2.CB 80°	1 3/8" x 21 Spl	12	107	21.10.818
	2.CB 80°	30mm x 8mm K	12	107	21.10.816
	2.CB 80°	35mm x 10mm K	12	111	21.18.812
2400	1.CB	1 1/8" Hex	12	112	35.10.130
	1.CB	1 1/4" Hex	12	112	35.10.121
	1.CB	1 1/4" X 19 Spl	12	112	35.10.1250/19
	1.CC	1 1/4" X 19 Spl	12.5	112	35.18.1250/19
	1.CB	1 3/8" x 6 Spl	12	112	35.10.04
	1.CC	1 3/8" x 6 Spl	12.5	112	35.10.30
	1.CB	1 3/8" x 21 Spl	12	112	35.10.06
	1.CC	1 3/8" x 21 Spl	12.5	112	35.10.32
	1.CB	1 3/4" x 6 Spl	16	112	35.18.04
	1.CC	1 3/4" x 6 Spl	15.8	112	35.18.30
	1.CB	1 3/4" x 20 Spl	16	112	35.18.14
	1.CC	1 3/4" x 20 Spl	15.8	112	35.18.32
	1.CB	35mm x 18 Spl	12	112	35.18.114
	1.CB ¥	40mm x 20 Spl	12	112	35.18.135
	1.CB	40mm x 20 Spl	12	112	35.18.137
	1.CB	30mm x 8mm K	12	112	35.10.08
	1.CB	35mm x 10mm K	12	112	35.18.06
	1.CB ¥	40mm x 12mm K	12	112	35.18.110
	1.CB	1 3/16" x 1/4" K	12	112	35.10.1188/250
	1.CB	40mm x 12mm K	12	112	35.18.08
	1.CB	1 1/4" x 5/16" K	12	112	35.18.106
	1.CB	1 3/8" x 5/16" K	12	112	35.18.104
	1.CB ¥	1 3/8" x 3/8" K	12	112	35.18.123
	1.CB	1 1/2" x 3/8" K	12	112	35.18.102
	1.CB	1 1/2" plain bore	12	112	35.18.1500
	2.CB 80°	1 3/8" x 6 Spl	12	112	35.10.14
	2.CC 80°	1 3/8" x 6 Spl	12.5	112	35.10.830
	2.CB 80°	1 3/8" x 21 Spl	12	112	35.10.16
	2.CC 80°	1 3/8" x 21 Spl	12.5	112	35.10.832
	2.CB 80°	1 3/4" x 6 Spl	16	112	35.18.20
	2.CC 80°	1 3/4" x 6 Spl	15.8	112	35.18.830
	2.CB 80°	1 3/4" x 20 Spl	16	112	35.18.22
	2.CB 80°	30mm x 8mm K	12	112	35.10.18
	2.CB 80°	35mm x 10mm K	12	112	35.18.16
	2.CB 80°	40mm x 12mm	12	112	35.18.18
	2.CC P80°	1 3/8" x 6 Spl	12.5	112	35.10.316
	2.CC P80°	1 3/8" x 21 Spl	12.5	112	35.10.318
	2.CC P80°	1 3/4" x 6 Spl	15.8	112	35.18.310

¥ Non Interfering Bolt

CB Clamp Bolt

CC Clamp Cone



Series	D	D2	L	Part Number
Type	Spline/Bore/Key	mm	mm	
2500	1.CB	1 1/8" Hex	12	118 36.10.120.PB
	1.CB	1 3/8" x 6 Spl	12	118 36.10.08
	1.CC	1 3/8" x 6 Spl	12.5	118 36.10.30
	1.CB	1 3/8" x 21 Spl	12	118 36.10.06
	1.CB	1 3/8" x 21 Spl	14	118 36.10.111
	1.CC	1 3/8" x 21 Spl	12.5	118 36.10.32
	1.CB	1 1/2" x 23 Spl	12	135 36.18.1523
	1.CB	1 3/4" x 6 Spl	16	118 36.18.04
	1.CC	1 3/4" x 6 Spl	15.8	118 36.18.30
	1.CB ¥	1 3/4" x 13 Spl	16	118 36.18.1750/13
	1.CB	1 3/4" x 20 Spl	16	98 36.18.184
	1.CB	1 3/4" x 20 Spl	16	118 36.18.06
	1.CC	1 3/4" x 20 Spl	15.8	118 36.18.32
	1.CB	1 3/4" x 27 Spl	16	118 36.18.110
	1.CC	45mm x 22 Spl	15.8	118 36.18.137
	1.CB	35mm x 10mm K	12	118 36.18.14
	1.CB	40mm x 12mm K	12	118 36.18.08
	1.CB §	45mm x 14mm K	16	118 36.18.124
	1.CB	1 1/4" x 5/16" K	12	118 36.18.1250/312
	1.CB	1 3/8" x 3/8" K	12	118 36.18.106
	1.CB	1 1/2" x 3/8" K	12	118 36.18.1500
	1.CB	1 3/4" x 1/2" K	16	118 36.18.104
	2.CB 80°	1 3/8" x 6 Spl	12	118 36.10.16
	2.CB 80°	1 3/8" x 6 Spl	14	118 36.10.119
	2.CC 80°	1 3/8" x 6 Spl	12.5	118 36.10.830
	2.CC P80°	1 3/8" x 6 Spl	12	118 36.10.330
	2.CC P80°	1 3/8" x 21 Spl	12	118 36.10.332
	2.CC P80°	1 3/4" x 6 Spl	12	118 36.18.330
	2.CC P80°	1 3/4" x 20 Spl	12	118 36.18.332
	2.CB 80°	1 3/8" x 21 Spl	12	118 36.10.14
	2.CB 80°	1 3/8" x 21 Spl	14	118 36.10.114
	2.CC 80°	1 3/8" x 21 Spl	12.5	118 36.10.832
	2.CB 80°	1 1/2" x 23 Spl	12	135 36.18.81523
	3.CB P80°	1 1/2" x 23 Spl	12	135 36.18.51523
	2.CB 80°	1 3/4" x 6 Spl	16	118 36.18.18
	2.CB 80°	1 3/4" x 20 Spl	16	118 36.18.20
	2.CC 80°	1 3/4" x 20 Spl	15.8	118 36.18.832
	2.CB 80°	1 1/2" x 3/8" K	12	118 36.18.8150
	3.CB P80°	1 1/2" x 3/8" K	12	148 36.18.5150

Series	D	D2	L	Part Number
Type	Spline/Bore/Key	mm	mm	
2600	1.CB	1 3/8" x 6 Spl	12	128 26.10.06
	1.CC	1 3/8" x 6 Spl	12.5	128 26.10.30
	1.CB	1 3/8" x 21 Spl	12	128 26.10.04
	1.CC	1 3/8" x 21 Spl	12.5	128 26.10.32
	1.CC	1 3/4" x 6 Spl	15.8	128 26.18.30
	1.CB	1 3/4" x 6 Spl	16	128 26.18.100
	1.CB	1 3/4" x 20 Spl	16	128 26.18.102
	1.CC	1 3/4" x 20 Spl	15.8	128 26.18.32
	1.CB	40mm x 12mm K	12	128 26.18.04
	1.CB	45mm x 14mm K	12	128 26.18.113
	1.CB	1 3/4" x 1/2" K	16	128 26.18.106
	2.CC P75°	1 3/4" x 20 Spl	15.8	128 26.18.332
P700	1.CC	1 3/4" x 6 Spl	15.8	155 27.18.30
	1.CC	1 3/4" x 20 Spl	15.8	155 27.18.32
P800	1.CC §	1 3/4" x 20 Spl	19.8	162 28.18.32
	1.CB §	1 3/4" x 20 Spl	16	165 28.18.01
	1.CC	1 3/4" x 20 Spl	15.8	187 28.18.36
	1.CC	1 3/4" x 20 Spl H	19.8	187 28.18.40
	1.CC	2 1/4" x 22 Spl	19.8	195 28.18.38

Clamping Cone				
	Description	D2	Torque Nm	Part Number
	1 3/8" All Series	12.5mm	100	65.12.06
	1 3/4" All Series	15.8mm	100	65.12.08
	2 1/4" All Series	19.8mm	100	65.12.13

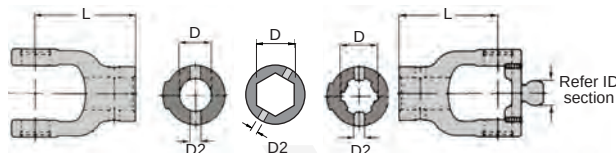
¥ Non Interfering Bolt

CB Clamp Bolt

H Hardened

CC Clamp Cone

§ Short Ear Yoke

Type 1
StandardType 2
80°

Series	Type	D Spline / Bore	D2 mm	L mm	Part Number
2100	1	7/8" Hex	-	78	10.22.0875HEX
	1	1" Hex	-	78	10.22.1000HEX
	1	20mm	6	78	10.22.152
	1	25mm	8	78	10.22.113
	1	30mm	10	78	10.22.108
	1°°	30mm	10,8	78	10.22.196
	1°°	30mm (VICON)	10,16	78	10.22.284
	1	1"	5/16"	78	10.22.295
	1	1 1/8"	5/16"	78	10.22.290
	1	1 1/4"	3/8"	78	10.22.291
	1	20mm x 12 Spl	-	78	10.22.180
	1	25mm x 6 Spl	6	70	10.22.241
	1	25mm x 10 Spl	8	65	10.22.338
	1	25mm x 13 Spl	-	78	10.22.352
	1	25mm x 14 Spl	8	65	10.22.357
	1	25mm x 18 Spl	8	78	10.22.286
	1	30mm x 16 Spl	8	65	10.21.109
	1	1" x 15 Spl	8	65	10.22.343
	1	1 1/8" x 6 Spl	8	65	10.21.112
	1	1 3/8" x 6 Spl	8	68	10.22.380
	1	1 3/8" x 6 Spl	8	78	10.22.199
	1	1 3/8" x 6 Spl		96	10.22.372

Series	Type	D Spline / Bore	D2 mm	L mm	Part Number
2200	1	20mm	6	80	20.15.06
	1	22mm	8	80	20.15.08
	1	25mm	8	80	20.15.11
	1	30mm	10	80	20.30.02
	1	30mm (CLAAS)	10	65	20.30.119
	1	1"	5/16"	80	20.15.156
	1	1 1/4"	3/8"	80	20.30.126
	1	1 3/8"	-	80	20.38.1375
	1	7/8" Hex	-	80	20.15-0875HEX
	1	1 1/4" Hex	1/2"	80	20.38.117
	1	1"Hex x 13Tsprocket	3/8"	82	20.15.154
	1	1 1/8" x 6 Spl	8	80	20.15.105
	1	1 3/8" x 6 Spl	8	80	20.38.101
	1	1 3/8" x 6 Spl	-	80	20.38.128
	1	1 3/8" x 6 Spl	-	113	20.15.220
	1	1 3/8" x 6 Spl	-	126	20.15.230
	1	1 3/8" x 21 Spl	-	66	20.38.142
	1	1 3/8" x 21 Spl	-	80	20.38.120
	1	1 3/8" x 21 Spl	11	80	20.38.121
	1	1 3/8" x 21 Spl	-	102	20.15.207
	1	1 3/8" x 21 Spl	-	126	20.39.121
	1	1 3/4" x 6 Spl(H)	-	130	20.38.134
	1	25mm x 14 Spl	8	70	20.15.167
	1	25mm x 18 Spl	8.5	80	20.15.161
	1	30mm x 22 Spl	10	98	20.15.199
	2. 80°	35mm	13	80	20.15.848

Note: Splined Yoke Option Nipples & Greasing Grooves

§ Short Ear Yoke

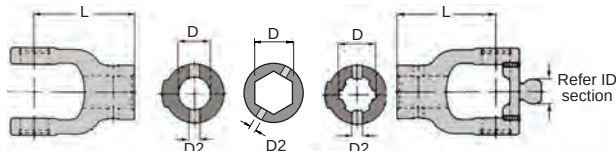
°° 2 x Pin Holes

H Hardened

† Tarrup

f John Deere

Type 1
Standard

Type 2
80°


Series	Type	D Spline / Bore	D2 mm	L mm	Part Number
2300	1	Solid Hub			21.88-000
	1	22mm	8	95	21.15.04
	1	25mm	8	95	21.15.07
	1	30mm	10	95	21.30.04
	1	35mm	13	95	21.30.05
	1	1 1/8"	10	95	21.15.117
	1	1 1/4"	3/8"	95	21.24.150
	1	1 3/8"	1/2"	95	21.24.151
	1	1 1/8" Hex	9	95	21.15.113
	1	1 1/8" x 6 Spl	8	95	21.15.103
	1	1 1/4" x 6 Spl	1/2"	95	21.15.104
	1	1 1/4" x 19 Spl	-	95	21.15.109
	1§	1 3/8" x 6 Spl (†)	8	75	21.70.106
	1	1 3/8" x 6 Spl	8	95	21.30.105
	1	1 3/8" x 6 Spl	-	95	21.30.148
	1	1 3/8" x 6 Spl	-	130	21.25.108
	1	1 3/8" x 21 Spl (f)	-	81	21.24.202
	1	1 3/8" x 21 Spl	-	95	21.24.144
	1□	1 3/8" x 21 Spl (f)	-	116	21.30.137
	1	1 3/8" x 21 Spl	-	130	21.25.115
	1	1 3/8" x 21 Spl	-	135	21.25.110
2400	1	1 1/2" x 11 Spl (f)	-	81	21.24.203
	1	1 3/4" x 6 Spl	-	133.5	21.25.111
	1	1 3/4" x 6 Spl	-	143	21.25.118
	1	30mm	10	105	35.22.04
	1	35mm	13	105	35.22.00
	1	40mm	15	102	35.24.117
	1	1 1/4"	3/8"	105	35.22.100
	1	1 3/8"	1/2"	105	35.22.101
	1	1 7/16"	1/2"	105	35.22.102
	1	1 1/8" Hex	8.3	105	35.22.130
	1	35mm x 18 Spl	-	126	35.22.161
	1§	35mm x 18 Spl	10	87	35.13.114
	1	1 3/8" x 6 Spl	8	105	35.22.106
	1	1 3/8" x 6 Spl	-	118	35.22.152

Series	Type	D Spline / Bore	D2 mm	L mm	Part Number
2500	1	30mm Pilot hole	-	118	36.24.139
	1	35mm	13	110	36.22.00
	1	35mm Forged	-	110	36.22.00SP
	1	40mm	13	118	36.24.00
	1§	40mm x 20 Spl	-	82	36.24.140
	1	40mm x 20 Spl	-	130	36.24.142
	1	1 3/8"	1/2"	110	36.22.101
	1	1 7/16"	1/2"	110	36.22.102
	1	1 1/4" x 14 Spl	3/8"	118	36.22.177
	1	1 3/8" x 6 Spl	10	110	36.22.107
	1	1 3/8" x 6 Spl	-	118	36.24.1375/6
	1§	1 3/8" x 21 Spl	-	82	36.24.125
	1	1 1/2" x 23 Spl	-	110	36.22.100
	1	1 3/4" x 6 Spl	-	118	36.24.120
	1§	1 3/4" x 20 Spl	10	82	36.24.147
	1	1 3/4" x 20 Spl	-	118	36.24.132
	1	1 3/4" x 27 Spl	3/8"	110	36.24.128
2600	1	35mm	13	130	26.22.00
	1	40mm	13	130	26.22.01
	1	55mm x 26 Spl	-	130	26.22.118
	1	1 3/4" x 20 Spl	-	130	26.15.112
P700	1□	52mm x 25 Spl	8	165	27.22.108
	1	52mm x 26 Spl	-	152	27.22.106
	1	55mm x 26 Spl	8	155	27.22.110
	1	60mm x 28 Spl	-	152	27.22.112

Note: Splined Yoke Option Nipples & Greasing Grooves

§ Short Ear Yoke

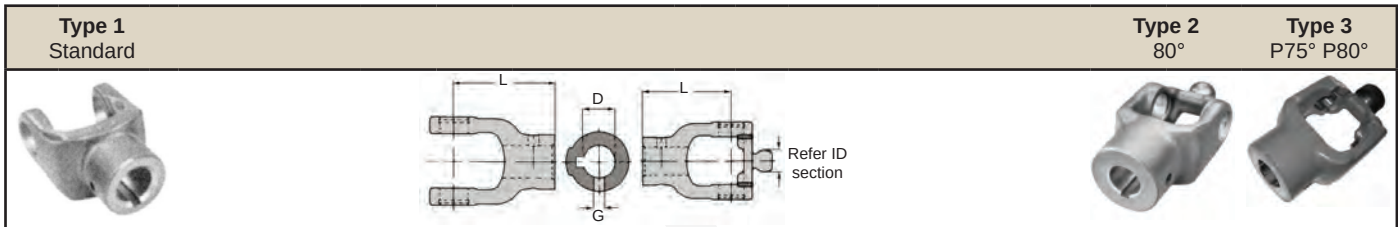
°° 2 x Pin Holes

H Hardened

† Tarrup

f John Deere

□ Master Spline



Series	Type	D Bore x Keyway	G mm	L mm	Part Number
2100	1	20mm x 6mm	8	78	10.22.27
	1	22mm x 6mm	10	78	10.22.29
	1	25mm x 8mm	10	78	10.22.31
	1	30mm x 8mm	10	78	10.22.33
	1	35mm x 10mm	10	78	10.40.110
	1	3/4" x 3/16"	3/8"	78	10.22.322
	1	7/8" x 3/16"	3/8"	78	10.22.337
	1	1" x 1/4"	3/8"	78	10.22.142
	1	1 1/8" x 1/4"	3/8"	78	10.22.143
	1	1 1/4" x 1/4"	3/8"	78	10.22.299
	1	1 1/4" x 5/16"	3/8"	78	10.22.300
	1	1 1/4" x 3/8"	3/8"	78	10.22.294
2200	1	20mm x 6mm	8	80	20.15.15
	1	22mm x 6mm	10	80	20.15.16
	1	25mm x 6mm	10	80	20.15.146
	1	25mm x 8mm	10	80	20.15.17
	1	30mm x 8mm	10	80	20.30.05
	1	32mm x 10mm		80	20.38-32/10
	1	35mm x 10mm	10	80	20.11.105
	1	3/4" x 3/16"	3/8"	80	20.15.750
	1	7/8" x 3/16"		80	20.15.875
	1	1" x 1/4"	3/8"	80	20.15.162
	1	1 1/8" x 1/4"	3/8"	80	20.15.163
	1	1 1/4" x 1/4"	3/8"	80	20.30.128
	1	1 1/4" x 5/16"	3/8"	80	20.30.129
	1	1 1/4" x 3/8"	3/8"	80	20.30.127
	1	1 5/16" x 5/16"		80	20.38-1312/312
	1	1 3/8" x 3/8"	3/8"	80	20.30.1375
2300	1	22mm x 6mm	12	95	21.15.10
	1	25mm x 8mm	12	95	21.15.11
	1	30mm x 8mm	12	95	21.30.07
	1**	30mm x 10mm	2 x 12	95	21.24.205
	1	1" x 1/4"	3/8"	95	21.25.102
	1	1 1/8" x 1/4"	3/8"	95	21.15.119
	1	1 1/4" x 1/4"	3/8"	95	21.24.158
	1	1 1/4" x 5/16"	3/8"	95	21.24.159
	1	1 3/8" x 5/16"	3/8"	95	21.24.160
	1	1 3/8" x 1/4"	3/8"	95	21.24.1375/25
	1	1 1/2" x 3/8"	3/8"	95	21.24.172
	2. 80°	30mm x 8mm	12	95	21.24.826
	2. 80°	35mm x 10mm	12	95	21.24.827

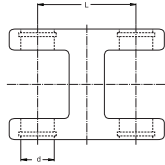
Series	Type	D Bore x Keyway	G mm	L mm	Part Number
2400	1	30mm x 8mm	12	105	35.22.02
	1	35mm x 10mm	12	112	35.24.12
	1	40mm x 12mm	12	112	35.24.10
	1	45mm x 14mm	12	112	35.24.116
	1	1 1/4" x 5/16"	3/8"	105	35.22.115
	1	1 3/8" x 3/8"	3/8"	112	35.24.103
	1	1 7/16" x 3/8"	3/8"	112	35.24.106
	1	1 1/2" x 3/8"	3/8"	112	35.24.107
	2. 80°	35mm x 10mm	12	118	35.24.22
	2. 80°	40mm x 12mm	12	118	35.24.23
2500	1	35mm x 10mm	12	118	36.24.01
	1	40mm x 12mm	14	118	36.24.108
	1	45mm x 14mm	14	118	36.24.02
	1	48mm x 14mm		118	36.22-48/14
	1	50mm x 14mm	14	118	36.22.134
	1	1 3/8" x 3/8"	3/8"	118	36.24.106
	1	1 1/2" x 3/8"	3/8"	118	36.24.100
	1	1 3/4" x 1/2"	1/2"	118	36.24.101
	1	2" x 1/2"	1/2"	118	36.22.2000
	2. 80°	35mm x 10mm	14	118	36.24.22
2600	3. P80°	35mm x 10mm	14	118	36.24.310
	3. P80°	40mm x 12mm	14	118	36.24.311
	1	35mm x 10mm	14	130	26.22.02
	1	40mm x 12mm	14	130	26.22.03
	1	50mm x 14mm	14	130	26.22.05
	1	2" x 1/2"	1/2"	130	26.22.115
	3. P75°	40mm x 12mm		138	26.84.64

Note: Special sizes available on request.

§ Short Ear Yoke

°° 2 x Set Screw Holes

DOUBLE YOKE



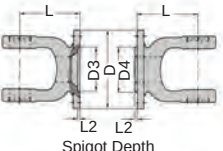
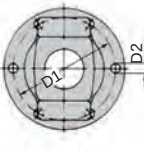
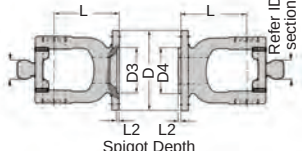
Series	d mm	L mm	Part Number
2100	22	65	10.28.00
2200	24	78	20.23.103
2300	27	75	21.26.00
		92	21.26.104
		115	21.26.103
2400	32	72	35.26.00
		100	35.28.00
		144	35.28.103
2500	36	90	36.29.02
		100	36.29.00
		118	36.28.00
2600	42	130	26.28.00

SPECIAL YOKE

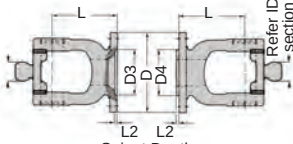
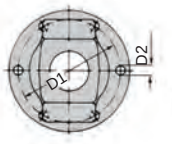
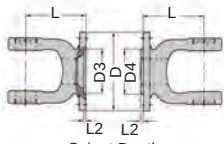
Special OEM Fitting

Series	Description (Not illustrated or shown elsewhere in Catalogue)	Part Number
2100	Amazon ShearBolt	10.17.102
	Vicon Spreader Clutch	10.32.101
	Hardi Pump 25mm Taper	10.34.104
	Hardi Pump 30mm Taper	10.34.105
2200	Hardi Pump 25mm Taper	20.34.104
	Hardi Pump 30mm Taper	20.35.105
2300	Yoke Stub 1 3/4" X 20Spl L=245	21.70.131
	Claas 30mm x 16 Spl CB	21.20.112
2400	Claas Jaguar 880/860	35.10.158
	New Holland Clutch	35.37.100
	Claas Clutch	35.45.100
2500	Kemper Header Stub Yoke 1 3/4 x 20 L=164	36.71.101



Type 1 Standard		Type 2 80°							Type 3 P75° P80°
		  							
Series	Type	D mm	D1 mm	D2 # Holes x Diameter mm	D3 Female mm	D4 Male mm	L2 mm	L mm	Part Number
2100	1	75	62	6 x 6.2	42	-	2	60	10.27.01
	1	100	84	6 x 8.2	57	-	2.5	52	10.31.03
	1	100	84	6 x 10.2	57	-	2.5	52	10.31.102
2200	1	55	62	8 x 8.2	-	-	-	77	20.24.108
	1	75	62	6 x 6.2	42	-	2	70	20.16.01
	1	87	69.5	4 x 8.2	-	57	3	70	20.16.101
	1	90	74.5	4 x 8.2	47	-	2.5	70	20.16.00
	1	100	84	6 x 8.2	57	-	2.5	55	20.24.01
	1	120	94	6 x 10.2	-	-	-	48	20.42.105
	1	150	100/125	7 x 11	-	65	2	48	20.42.104
2300	1	90	74.5	4 x 8.2	47	-	2.5	70	21.16.02
	1	100	84	6 x 8.2	57	-	2.5	78	21.16.00
	1	120	101.5	8 x 8.2	75	-	2.5	71	21.66.00
	1	130.5	114	6 x 10.2	-	82	1.5	58	21.32.01
	1	136	118	6 x 10.2	-	98	1.5	58	21.32.03
	1	150	120	4 Slots x 13	-	-	-	58	21.32.106
	1	158	138	6 x 12.2	-	98	2.5	73	21.79.100
	1	188	167	10 x 12.5	152	-	1.3	70	21.73.01
	2. 80°	136	118	6 x 10.2	-	98	2	58	21.32.816
2400	1	100	84	6 x 8.2	57	-	2.5	84	35.16.00
	1	120	95	4 x 14	-	78	1.5	85	35.27.100
	1	120	101.5	8 x 8.2	75	-	2.5	86	35.27.00
	1	130	114	6 x 10	-	82	1.5	66	35.20.00 (Kuhn)
	1	136	118	6 x 10.2	-	98	1.5	66	35.20.100
	1	160	138	6 x 12.2	-	-	-	66	35.19.01
	1	160	138	6 x 12.2	-	98	2	66	35.19.02
	1	160	139	6 x 12.2	-	-	-	68	35.75.100 (Lely)
	1	188	167	10 x 12.5	152	-	1.3	77	35.73.01
	1	190	165	6 x 13.2	80	-	8	80	35.73.100 (Howard)
	2. 80°	100	84	6 x 8.2	57	-	2.5	97	35.16.10
	2. 80°	120	101.5	8 x 8.2	75	-	2.5	97	35.27.10
	2. 80°	160	138	6 x 12.2	65.5	98	1.3	72	35.19.107 (Kuhn)
	2. 80°	160	138	6 x 12.2	-	98	1.5	72	35.19.10
	2 P80°	160	138	6 x 12.2	-	98	2	76	35.19.310
2500	1	120	101.5	8 x 8.2	75	-	2.5	96	36.27.00
	1	120	101.5	8 x 8.2	-	75	2.5	96	36.27.100
	1	150	130	8 x 10.2	90	-	2.5	72	36.19.03
	1	160	138	6 x 12.2	-	98	2	72	36.19.02
	1	160	139	6 x 12.2	-	-	-	70	36.75.100 (Lely)
	1	188	167	10 x 12.5	152	-	1.3	87	36.73.01
	1	190	165	6 x 13.2	80	-	8	70	36.73.100 (Howard)
	2. 80°	150	130	8 x 10	-	98	2	85	36.19.11
	2. 80°	120	101.5	8 x 8.2	75	-	2.5	96	36.27.10
	2. 80°	160	138	6 x 12.2	-	98	2	87.5	36.19.10
	3.P80°	160	138	6 x 12.2	-	98	2	85	36.19.310

§ Short Ear Yoke

Type 1 Standard					Type 2 80°			Type 3 P75° P80°	
									
Series Type		D mm	D1 mm	D2 # Holes x Diameter mm	D3 Female mm	D4 Male mm	L2 mm	L mm	Part Number
2600	1	120	101.5	8 x 8.2	75	-	2.5	130	26.15.101
	1	160	138	12 x 12.2	-	98	2	115	26.15.106
	1	180	155.5	8 x 14.2	110	-	2.4	80	26.73.00
	1	188	167	8 x 12.5	152	-	1.3	80	26.73.01
	1	190	165	6 x 13.2	80	-	8	82	26.73.100 (Howard)
	3.P75°	160	138	12 x 12.2	-	98	2	108	26.75.00
P700	1	160	138	12 x 12.2	-	98	-	165	27.15.101
	1	195	165	8 x 12.5	90	-	3.2	110	27.73.102



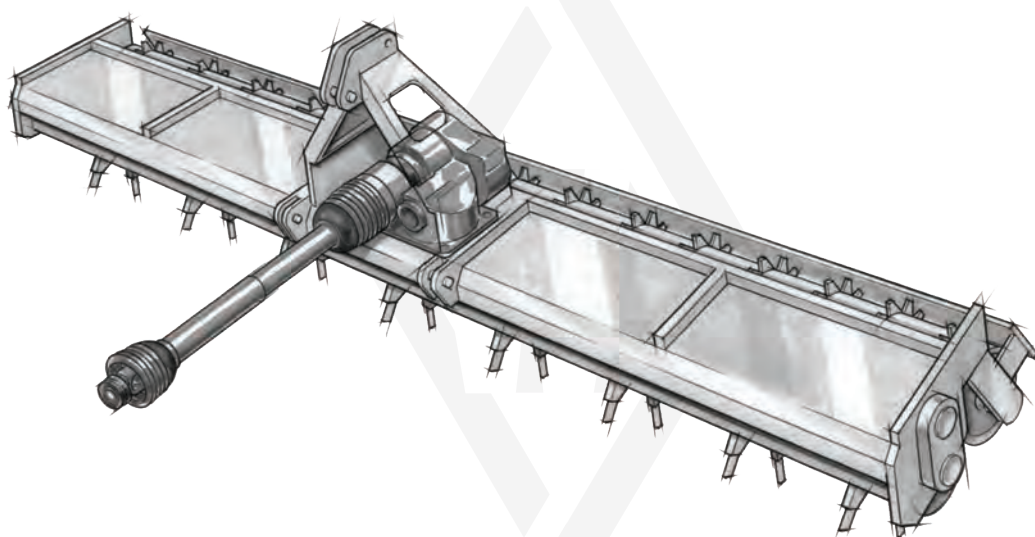
Type 1 - Standard

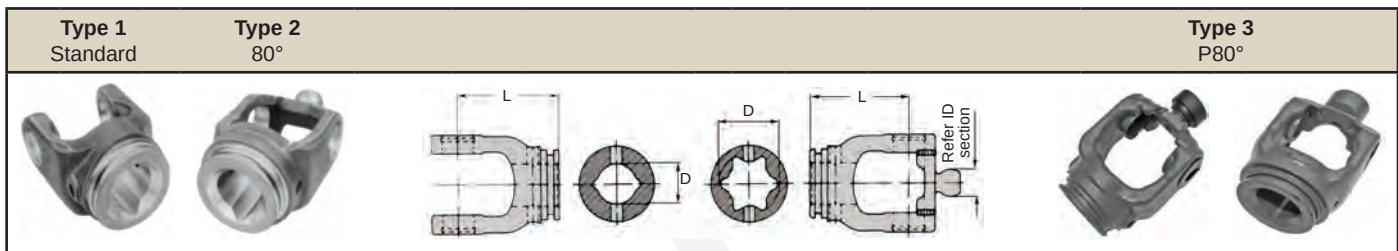


Type 2 - 80°



Type 3 - P75° P80°





Series	Type	Tube Profile D	Inner / Outer	L mm	Part Number
2100	1	00a / 00c	Inner	66	10.48.00
	1	0a	Outer	66	10.49.00
	1	0v	Inner	73	10.40.00
	1	1	Outer	73	10.41.00
	1	25mm x 14Spl	Inner	66	10.48.02
2200	1	00a / 00c	Inner	70	20.32.00
	1	0a	Outer	70	20.33.00
	1	0v	Inner	75	20.11.00
	1	1	Outer	75	20.12.00
	1	30mmx16Spl SC15	Inner	75	20.11.02
	2. 80°	00a / 00c	Inner	70	20.32.810
	2. 80°	0a	Outer	70	20.33.810
	2. 80°	0v	Inner	75	20.11.810
	2. 80°	1	Outer	75	20.12.810
2300	1	0v	Inner	85	21.11.00
	1	1	Outer	85	21.12.00
	1	1b	Inner	85	21.22.100
	1	2a	Outer	90	21.22.101
	1	1b PG 20	Inner	95	21.13.20
	1	2a PG 20	Outer	100	21.14.20
	1	1 3/8" x6Spl (SC15)	Inner	120	21.12.128
	1	35mm x 18Spl	Inner	85	21.11.02
	2. 80°	0v	Inner	85	21.11.810
	2. 80°	1	Outer	85	21.12.810
	2. 80°	1b	Inner	85	21.42.810
	2. 80°	2a	Outer	85	21.43.810
	2. 80°	35mmx18Spl SC15	Inner	92	21.11.118

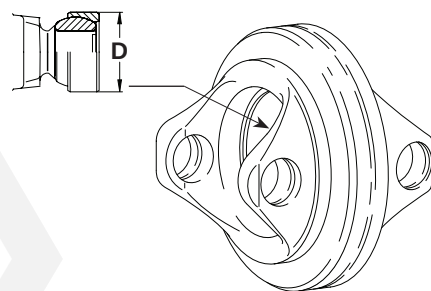
Series	Type	Tube Profile D	Inner / Outer	L mm	Part Number
2400	1	1b	Inner	92	35.13.00
	1	2a	Outer	102	35.14.00
	1^	2a	Outer	120	35.14.193
	1	S4	Inner	92	35.13.100
	1^	S4	Inner	120	35.13.125
	1	S5	Outer	102	35.14.100
	1	42mm x 8 Spl	Inner	92	35.13.01
	1	40mm x 20 Spl	Inner	92	35.13.02
	1	40mm x 20 Spl	Inner	76	35.70.103
	1	Tube Weld SC25		88	35.14.04
	2. 80°	1b	Inner	92	35.13.10
	2. 80°	2a	Outer	92	35.14.10
	2. 80°	S4	Inner	92	35.13.109
	2. 80°	S4 Centre Lube	Inner	92	35.13.112
	2. 80°	S5	Outer	92	35.14.174
	2. 80°	S5 Centre Lube	Outer	92	35.14.181
	3. P80°	1b Centre Lube	Inner	92	35.13.310
	3. P80°	2a Centre Lube	Outer	92	35.14.310
	3. P80°	S4 Centre Lube	Inner	92	35.13.311
	3. P80°	S5 Centre Lube	Outer	92	35.14.311



W - High Rotation Design



P Class Tube Yoke



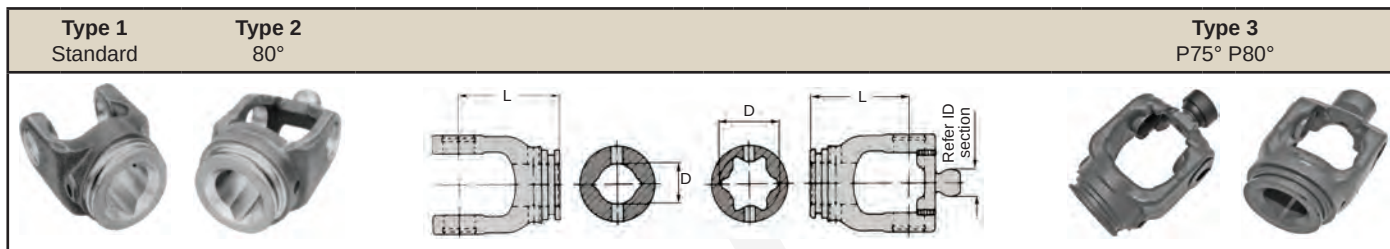
P Class Wide Angle Design

Series	D mm	
P480	33	
P580	39	
P675	39	

D for dimensions of profile refer to ID section

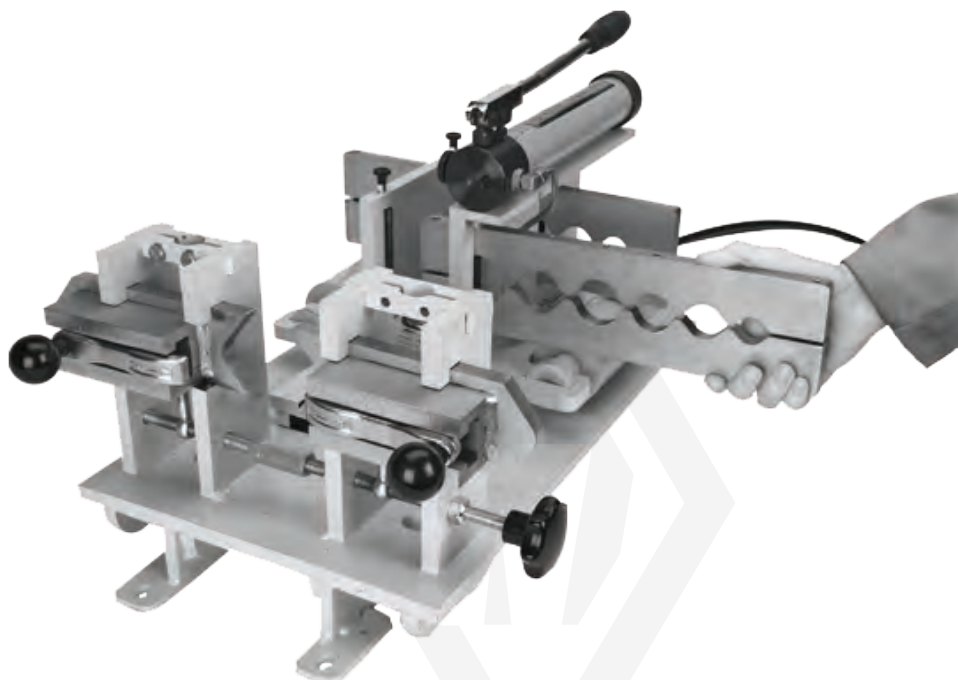
» Welded to Round Tube

^ Rotating Bend Angle 70°



Series	Type	Tube Profile D	Inner / Outer	L mm	Part Number
2500	1	1s	Inner	106	36.13.00
	1	2s	Outer	112	36.14.00
	1	S4	Inner	106	36.13.100
	1^	S4	Inner	122	36.26.100
	1	S5	Outer	112	36.14.100
	1^	S4 PG 20	Inner	122	36.26.101
	1	42mm x 8 Spl	Inner	106	36.13.01
	1	40mm x 20 Spl	Inner	106	36.13.02
	1	40mm x 20 Spl	Inner	80	36.24.140
	2. 80°	1s	Inner	106	36.13.10
	2. 80°	2s	Outer	106	36.14.10
	2. 80°	S4	Inner	106	36.13.104
	2. 80°	S4 Central Lube	Inner	106	36.13.116
	2. 80°	S5	Outer	106	36.14.116
	2. 80°	S5 Central Lube	Outer	106	36.14.164
	2. 80°	40mm x 20 Spl	Inner	106	36.13.12
	3. P80°	S4 Central Lube	Inner	106	36.13.312
	3. P80°	S5 Central Lube	Outer	106	36.14.312

Series	Type	Tube Profile D	Inner / Outer	L mm	Part Number
2600	1	S4 (SC25)	Inner	130	26.13.100
	1	S5 (SC25)	Outer	130	26.14.100
	1	S5 (SC35)	Inner	130	26.13.00
	1	S6 (SC35)	Outer	130	26.14.00
	1	S5 PG 30	Inner	140	26.13.30
	1	S6 PG 30	Outer	140	26.14.30
	1	52mm x 25Spl	Inner	130	26.13.02
	3. P75°	S4 Central Lube	Inner	125	26.13.60
	3. P75°	S5 Central Lube	Inner/Outer	125	26.13.61
P700	1	52mmx25Spl SC35	Inner	150	27.13.02
	1	52mmx25Spl PG30	Inner	150	27.13.31
	1	S5 PG 30	Inner	133	27.13.30
	1	S6 PG 30	Outer	133	27.14.30
	1	Tube Weld SC35	Outer	155	27.14.02
	1	Tube Weld PG30	Outer	152	27.14.31
P800	1	60mm x 28spl	Inner	150	28.13.02
	1	Tube Weld PG30	Outer	180	28.14.102



Hydraulic Tube Yoke Remover and Press

D for dimensions of profile refer to ID section

» Welded to Round Tube

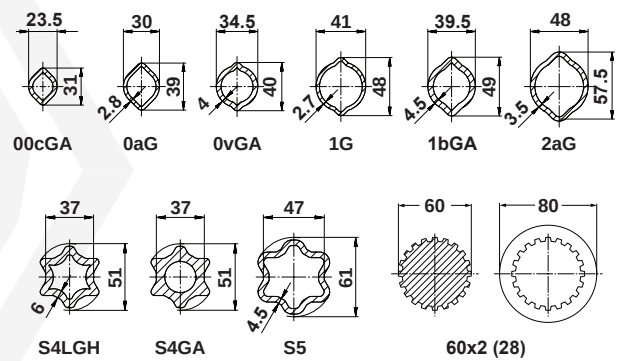
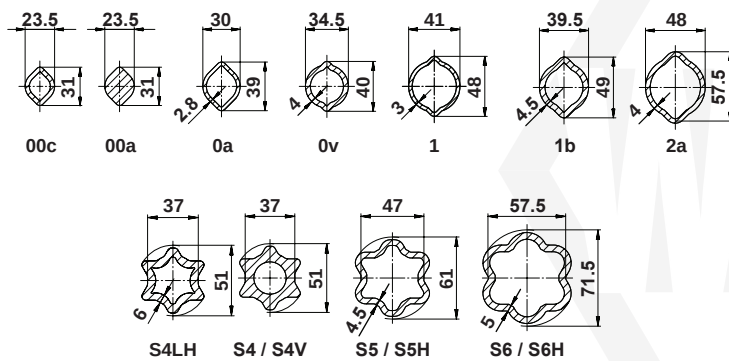
^ Rotating Bend Angle 70°

TUBE PROFILES

STANDARD & HARDENED



TEFLON COATED



Series	Inner Profile Type	Inner Part Number	Maximum Length Available (mm)	Matching Outer Part Number	Outer Profile Type	Roll Pin
2100	00c	75.02.00	3000	75.12.00	0a	61.04.01
2100	00cGA	75.02.95	1000	75.13.00	0aG	61.04.01
2100	0v	75.11.00	3000	75.15.00	1	61.04.05
2200	00c	75.02.00	3000	75.12.00	0a	61.04.05
2280	00cGA	75.02.95	1000	75.13.00	0aG	61.04.05
2200	0v	75.11.00	3000	75.15.00	1	61.05.04
2280	0vGA	75.11.95	1400	75.16.00	1G	61.05.04
2300	0v	75.11.00	3000	75.15.00	1	61.05.04
2380	0vGA	75.11.95	1400	75.16.00	1G	61.05.04
2300 / P300	1b	75.25.00	3000	75.35.00	2a	61.05.08
2380	1bGA	75.25.95	1400	75.36.00	2aG	61.05.08
2400 / P400	1b	75.25.00	3000	75.35.00	2a	61.05.08
2480 / P480	1bGA	75.25.95	1400	75.36.00	2aG	61.05.08
2480 / P480	S4LH	75.43.104	1400	75.45.00	S5	61.05.08
2480 / P480	S4LGA	75.43.95	1000	75.45.00	S5	61.05.08
2500 / P500	S4	75.44.00	3000	75.45.00	S5	61.05.12
2580 / P580	S4GA	75.44.95	1400	75.45.00	S5	61.05.12
2600 / P600	S4	75.44.00	3000	75.45.00	S5	61.05.13
2600 / P600	S5H	75.45.55	1400	75.46.00	S6	61.06.08
P675	S4GA	75.44.95	1400	75.45.00	S5	61.06.08
P675	S5H	75.45.230	1400	75.46.55	S6H	61.06.08
P700	S5H	75.45.230	1400	75.46.00	S6	61.06.08
P800	60mm x 28H	67.80.01	690	67.91.01	60mm x 28	-

CLUTCH SECTION



Overload Ratchet Clutch Page 37

K31 - K36

K42 - K45



Cam Type Cut-Out Clutch Page 38-39

K64/12 K64/14

K64/22 K64/24

K68/22 K68/24

EK68/22 EK68/24



Shearbolt Clutch

Page 40-41

K61/1 KB61/20 K61/30

FKB61/20

FKB61/30

Elastic Clutch

K65



Friction Clutch

Page 42-46

K62/0 K90 K90/4 K90/4T

K94 FK90/4TR - 4TL

K92 K92/4 EK92 EK92/4

K96 K96/4 EK96 EK96/4

EK97/4 EFK97/4



Overrunning Clutch

Page 47-50

F5/1 F5/2 EF5/1 EF5/2

F5/3 JF5/1 JF5/2

IFM/R IFM/L

TYPICAL CLUTCH APPLICATIONS



Mower
F5/1 - FK96



Silo Filler
K33 - K64



Forage Wagon
K33 - K64



Windrower
K32 - K33



Tedder / Turner
K32 - K33



Baler
K64 - K96 - K90



Big Baler
K64 - F5/2



Milling Cutter
K90 - K64



Potato Lifter
K32 - K33



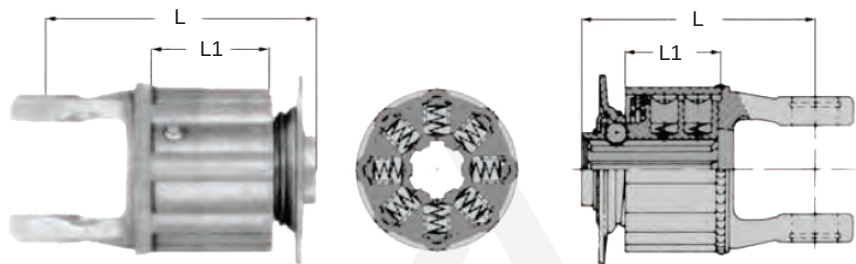
Rotary Tiller
K90 - K64



Maize Harvester
F5/1 - FK96 - FK97



Crop Sprayer
K94/1 - K90

OVERLOAD RATCHET


Series Type	L mm	L1 mm	Hub Size	Part Number
2100				
K31B	101	36	1 3/8"x6 Spl ZV	55.369.03
K31B	101	36	1 3/8"x21 Spl ZV	55.368.03
K32B	120	55	1 1/8"x6 Spl ZV	55.578.03
K32B	120	55	1 3/8"x6 Spl ZV	55.288.03
K32B	120	55	25mm x 8mm K	55.668.03
K32B	120	55	30mm x 10P	55.916.03
K32B	120	55	30mm x 10/16P x 2	55.746.03
2200				
K31B	107	36	1 3/8"x6 Spl ZV	55.194.03
K32B	126	55	1 3/8"x6 Spl ZV	55.196.03
K32B	126	55	1 3/8"x6 GN	55.764.03
K32B	126	55	30mm x 8mm K	55.583.03
K33B	145	74	1 3/8"x6 Spl ZV	55.198.03
80° K32B	126	55	1 3/8"x6 Spl ZV	55.673.03
80° K33B	145	74	1 3/8"x6 Spl ZV	55.663.03
2300				
K32B	136	55	1 3/8"x6 Spl ZV	55.200.03
K33B	155	74	1 3/8"x6 Spl ZV	55.202.03
80° K33B	155	74	1 3/8"x6 Spl ZV	55.674.03
K34M	174	93	1 3/8"x6Spl ZV	55.650.03

Series Type	L mm	L1 mm	Hub Size	Part Number
2400				
K33B	163	74	1 3/8"x6 Spl ZV	55.576.03
K34B	182	93	1 3/8"x6 Spl ZV	55.535.03
K35B	201	112	1 3/8"x6 Spl ZV	55.648.03
K35B	201	112	1 3/8"x21 Spl ZV	55.665.03
K36B	220	131	1 3/8"x6Spl ZV	55.543.03
EK TYPE				
EK31B	74.5	47.6	30mm x 8mm K	55.768.03
EK32B	93	66	25mm x 8mm K	55.842.03
EK32B	98	76.2	30mm x 10mm P	55.479.03
EK32B	93	63	30mm x 8mm K	55.572.03
EK33B	112	85.5	35mm x 18 Spl	55.914.03
EK34B	107.8	92.8	45mm x 22 Spl	55.132.13



ZV Oval Pull Back Collar

K Keyway

B Both Directions

P Pin Hole

GN + Grease Nipple

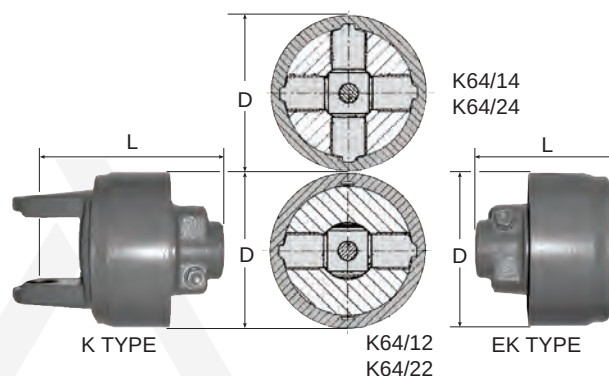
H Hardened

M High Torque Round Housing

Note: More types available quick reference only

Separate spare parts shown on Page 52

CAM TYPE CUT-OUT



Series Type	L mm	D mm	Hub Size	Part Number
2300				
K64/12R	181	130	1 3/8x6 CC	59.108.41
K64/14R	181	130	1 3/8x6 CC	59.108.42
K64/14R	181	130	1 3/8x21 CC	59.110.42
2400				
K64/12R	186	130	1 3/8x6 CC	59.100.41
K64/12L	186	130	1 3/8x6 CC	59.101.41
K64/14R	186	130	1 3/8x6 CC	59.100.42
K64/14R	186	130	1 3/8x21 CC	59.115.42
K64/14L	186	130	1 3/8x6 CC	59.101.42
K64/22R	189	168	1 3/8x6 CC	59.110.43
K64/22R	189	168	1 3/8x21 CC	59.105.43
K64/22R	189	168	1 3/4x6 CC H	59.116.43
2500				
K64/22R	199	168	1 3/8x6 CC	59.117.43
K64/22R	199	168	1 3/8x21 CC	59.123.43
K64/22R	199	168	1 3/4x6 CC H	59.127.43
K64/22R	199	168	1 3/4x20 CC H	59.108.43
K64/22L	199	168	1 3/4x6 CC H	59.128.43
K64/22L	199	168	1 3/4x20 CC	59.109.43
K64/24R	199	168	1 3/8x6 CC H	59.111.44
K64/24R	199	168	1 3/4x6 CC H	59.106.44
K64/24R	199	168	1 3/4x20 CC H	59.104.44

Series Type	L mm	D mm	Hub Size	Part Number
2600				
K64/22R	197	168	1 3/4x6 CC H	59.106.43
K64/22R	197	168	1 3/4x20 CC H	59.124.43
K64/24R	197	168	1 3/4x6 CC H	59.110.44
K64/24R	197	168	1 3/4x20 CC H	59.108.44
K64/24L	197	168	1 3/4x20 CC H	59.114.44
2700				
K64/24R	232	168	52mmx25 CB	59.131.44
K64/24R	232	168	1 3/4x6 CC H	59.118.44
K64/24R	232	168	1 3/4x20 CC H	59.117.44
K64/24R	259	168	2 1/4 x 22 CB H	59.128.44
EK TYPE				
EK64/12R	128	130	1 3/8x6 CC	59.103.41
EK64/12L	128	130	1 3/8x6 CC	59.102.41
EK64/14R	128	130	1 3/8x6 CC	59.103.42
EK64/14L	128	130	1 3/8x6 CC	59.102.42
EK64/22R	136	168	1 3/8x6 CC(PCD118)	59.132.43
EK64/22R	136	168	1 3/8x6 CC	59.111.43
EK64/22R	136	168	1 3/4x6 CC H	59.107.43
EK64/22R	136	168	1 3/4x20 CC H	59.101.43
EK64/22L	136	168	1 3/4x6 CC H	59.102.43
EK64/24R	136	168	1 3/4x6 CC H	59.100.44
EK64/24R	136	168	1 3/4x20 CC H	59.101.44
EK64/24L	136	168	1 3/4x6 CC H	59.102.44
EK64/24L	136	168	1 3/4x20 CC H	59.103.44

CB Clamp Bolt
RH Right Hand

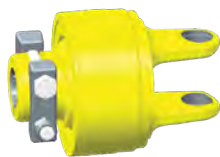
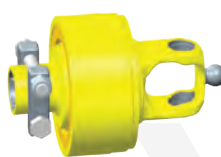
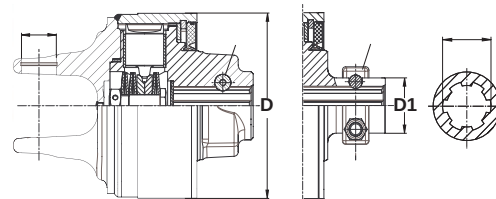
CC Clamp Cone
LH Left Hand

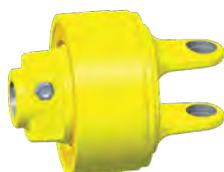
H Hardened

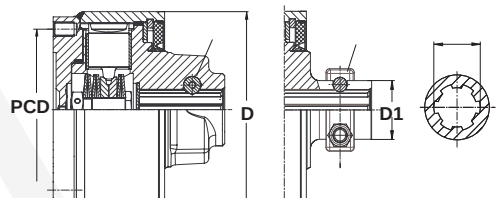
Note: More types available quick reference only

Separate spare parts shown on Pages 53 - 54

CAM TYPE CUT-OUT

EK68

K68

K68 (80°)

K68

EK68

K68

K68 (P75° P80°)

EK68

Series	Type	L mm	D mm	D1 mm	Hub Size	Part Number
2400	K68/22R	197	168	50	1 3/8" x 6 Spl CB	59.106.52
	K68/22R	197	168	80	1 3/4" x 6 Spl CB	59.110.52
	80° K68/22R	197	168	50	1 3/8" x 6 Spl CB	59.107.52
2500	K68/22R	204	168	50	1 3/8" x 6 Spl CB	59.113.52
	K68/22R	211	168	80	1 3/4" x 6 Spl CB	59.119.52
	P80° K68/22R	211	168	80	1 3/4" x 6 Spl CB	59.118.52
	P80° K68/24R-F	211	168	80	1 3/4" x 6 Spl CB	59.106.53
2600	K68/24R	211	168	80	1 3/4" x 6 Spl CC H	59.117.53
	K68/24R	211	168	80	1 3/4" x 20 Spl CC H	59.107.53
	K68/24L	211	168	80	1 3/4" x 20 Spl CC H	59.108.53
	P75° K68/24R	211	168	80	1 3/4" x 6 Spl CB	59.105.53

Series	Type	PCD mm	L mm	D mm	D1 mm	Hub Size	Part Number
EK TYPE							
	EK68/22R	138	154	168	50	1 3/8" x 6 Spl CB	59.115.52
	EK68/22R	138	154	168	80	1 3/4" x 6 Spl CB	59.111.52
	EK68/24R	138	148	168	80	1 3/4" x 6 Spl CC H	59.100.53
	EK68/24L	138	148	168	80	1 3/4" x 6 Spl CC H	59.101.53

CB Clamp Bolt

R Right Hand

CC Clamp Cone

L Left Hand

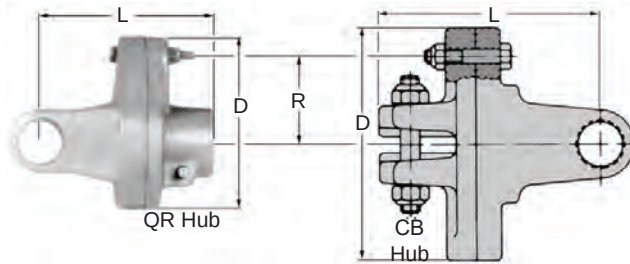
H Hardened

F - Fixed Setting

Note: More types available quick reference only

Separate spare parts shown on Page 55

SHEARBOLT



Series	Type	L mm	D mm	R mm	Shearbolt Diameter mm	Torque NM	Hub Size	Part Number
2100								
QR	K61/1	121	106	42	6	780	1 3/8" x 6Spl	57.103.12
2200								
QR	K61/1	123	106	42	8 (DIN931)	1400	1 1/8" x 6Spl	57.114.12
QR	K61/1	123	106	42	8	910	1 3/8" x 6Spl	57.107.12
2300								
CB	KB61/20	133	140	52	8	1730	1 1/8" x 6Spl	57.103.18
QR	KB61/20	126	140	48	8	1600	1 3/8" x 6Spl	57.134.18
CB	KB61/20	133	140	48	8	1600	1 3/8" x 6Spl	57.102.18
2400								
QR	KB61/20	129	156	56	8	1860	1 3/8" x 6Spl	57.157.18
QR	KB61/20	129	156	48	7	1220	1 3/8" x 6Spl	57.121.18
QR	KB61/20	129	156	48	8	1600	1 3/8" x 6Spl	57.122.18
QR	KB61/20	129	156	48	10	2500	1 3/8" x 6Spl	57.142.18
QR	KB61/20	129	156	64	8	2130	1 3/8" x 6Spl	57.123.18
QR	KB61/20	129	156	56	10	2920	1 3/8" x 6Spl	57.133.18
CB	KB61/20	136	156	48	10	2500	1 3/8" x 6Spl	57.135.18
CB	KB61/20	136	156	56	10	2920	1 3/4" x 6Spl	57.170.18
2500								
QR	KB61/20	136	156	48	10	2500	1 3/8" x 6Spl	57.146.18
QR	KB61/20	136	156	64	8	2130	1 3/8" x 6Spl	57.126.18
QR	KB61/20	143	156	56	10	2920	1 3/8" x 6Spl	57.154.18
CB	KB61/20	143	156	48	12	3600	1 3/8" x 6Spl	57.144.18
QR	KB61/20	136	156	48	10	2500	1 3/8" x 21Spl	57.125.18
QR	KB61/20	143	156	56	8	1860	1 3/4" x 6Spl	57.167.18
CB	KB61/20	143	156	56	10	2920	1 3/4" x 6Spl	57.131.18
CB	KB61/20	143	156	64	8	2130	1 3/4" x 6Spl	57.124.18
QR	KB61/20	170	156	56	10	2920	1 3/4" x 6Spl	117698
CB	KB61/20	143	156	56	10	2920	1 3/4" x 20Spl	57.179.18
P80°SC	KB61/20	177	139	56	10	2920	1 3/4" x 20Spl	371651
2600								
CC	KB61/30	166	180	75	10	3900	1 3/4" x 20Spl	57.115.19
CC	KB61/30	166	180	75	14	7650	1 3/4" x 6Spl	57.101.19

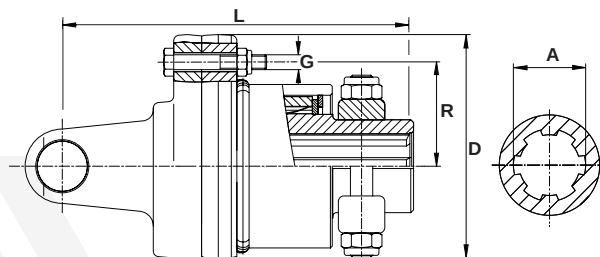
QR Quick Release
R Right Hand

CB Clamp Bolt
L Left Hand

CC Clamp Cone

Note: More types available quick reference only

Separate spare parts shown on Pages 56 - 57

COMBINATION SHEARBOLT / FREEWHEEL


Series	Type	L mm	D mm	R mm	G Shearbolt Diameter mm	Torque NM	A Hub Size	Part Number
2500								
CB	FKB61/20R	205	130	56	12	4200	1 3/4" x 6 Spl	58.116.18
CB	FKB61/20R	205	130	64	12	4800	1 3/4" x 20 Spl	58.112.18
2600								
CB	FKB61/30R	245	178	75	12	5630	1 3/4" x 20 Spl	58.100.19


QR - Quick Release

CB - Clamp Bolt

CC - Clamp Cone
ELASTIC

	Series	L mm	D mm	Hub Size	Part Number
	Type				
	2100				
	K65/3	136	85	30mm	55.101.11
	2300				
	K65/2	185	140	30mm x 8mm	55.117.09
	2400				
	K65/2	167	140	1 3/8"x6 Spl ZV	55.104.09
	K65/2	167	140	30mm x 8mm	55.115.09
	K65/2	167	140	35mm x 10mm	55.116.09

ZV Oval Pull Back Collar
R Right Hand

CB Clamp Bolt
L Left Hand

CC Clamp Cone
K Keyway

Note: More types available quick reference only

Separate spare parts shown on Pages 57 - 58

FRICTION CLUTCH LININGS (To Suit Most Ag Clutches)

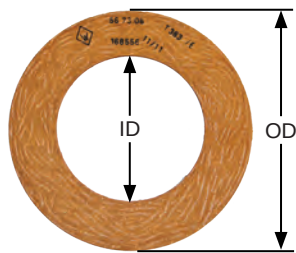


Fig. 1

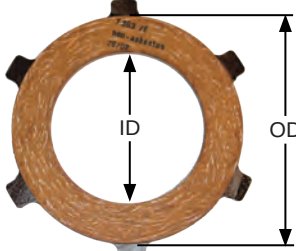


Fig. 2

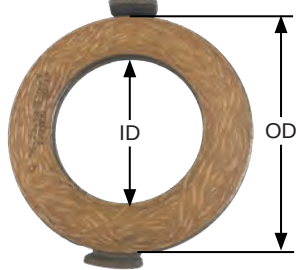
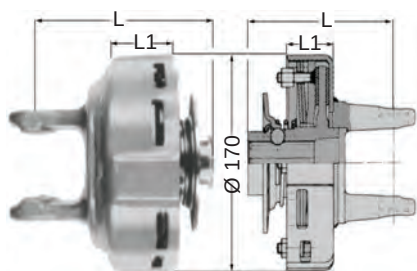


Fig. 3

Type	Fig.	OD mm	ID mm	Part Number
K94/1	1	90	56	56.73.13
F02	1	120	68	F02-014-019
FV22	1	124	67	247006151
6" AFC	1	127	45	P - 1023
FF1, FF3, FNV34	1	140	85	247000054
FV32, FV34	1	141	77	247006251
F12	1	142	77.5	F12-015-019
K92, K92/4, K90, K90/4	1	150	91	56.73.08
K900 EFBK926MR Special For Krone Baler	2	151	101	56.73.104
K900 EFBK926MR Special For Krone Baler	2	151	101	56.73.105
F22/42	1	152	90	F42-019-018
K90/4T	1	152	100	56.73.21
RF	1	152	102	RFO-017-106
FK92	1	153	97	56.73.16
K96, K96/4	1	157	100	56.73.12
K96/4 sintered	1	157	100	56.73.102
K96 (Water Clt)	3	157	100	56.34.102
K96 (Water Clt)	3	157	100	56.34.103
FF2, FF4, FNV44	1	160	97	247000061
FV42, FV44	1	162	85	247006351
8" AFC	1	164	62	P - 1005
K93	1	170	102	56.73.15
K97/4	1	187	120	56.73.11

K92 & K92/4

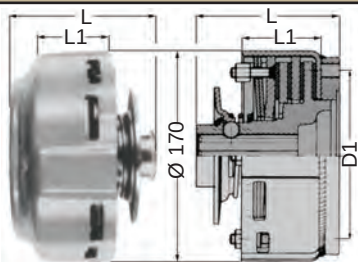


Series Type	L mm	L1 mm	Hub Size	Part Number
2100				
K92	121	44	1 3/8"x 6Spl ZV	56.133.16
2200				
K92	127	44	1 3/8"x 6Spl ZV	56.113.16
2300				
K92	137	44 Hvy Duty Housing	1 3/8"x 6Spl ZV	56.219.16
K92/4	169	64	1 3/8"x 6Spl ZV	56.218.16
2400				
K92	145	44	1 3/8"x 6Spl ZV	56.220.16
K92/4	173	64	1 3/8"x 6Spl ZV	56.221.16
K92/4	173	64	1 3/8"x21Spl QR M	56.290.16
K92/4	188	64	1 3/8"x 6Spl CB	56.246.16
K92/4	188	64	1 3/4"x 6Spl CB	56.242.16
2500				
K92/4	180	64	1 3/8"x 6Spl ZV	56.222.16
K92/4	180	64	1 3/8"x21Spl CB	56.244.16
K92/4	180	64	1 3/4"x 6Spl CB	56.235.16

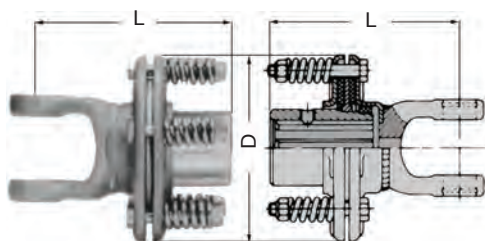
ZV Oval Pull Back Collar
AS Ball Collar

CB Clamp Bolt
M Mini QR Pin

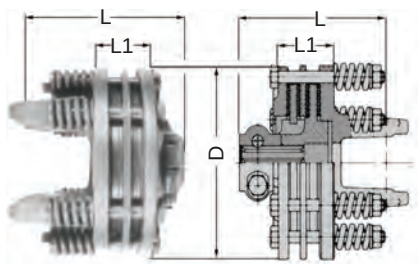
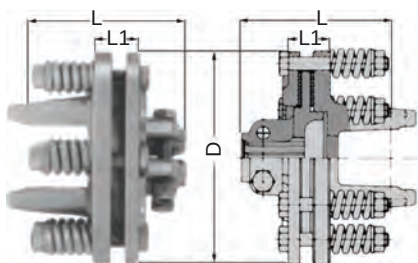
Separate spare parts shown on Page 62

EK92 & EK92/4


Series Type	L mm	L1 mm	D1 mm	Hub Size	Part Number
EK92	88	44	84	1 3/8"x 6Spl ZV	56.100.16
	88	44	84	35mm x 10mm K	56.153.16
EK92/4	115	64	118	1 3/8"x 6Spl ZV	56.134.16
	115	64	138	1 3/8"x 6Spl ZV	56.135.16
	115	64	138	1 3/8"x21Spl ZV	56.158.16

K94/1


Series Type	L mm	D mm	Hub Size	Part Number
2100				
K94/1	127	120	1 1/8"x 6Spl AS	56.111.19
K94/1	127	120	1 1/8"x 6Spl GS	56.101.19
K94/1	127	120	1 3/8"x 6Spl GS	56.105.19
K94/1	127	120	1 3/8"x 6Spl ZV	56.117.19
K94/1	127	120	25mm x 8mm K GS	56.107.19
K94/1	127	120	30mm x 8mm K GS	56.100.19
K94/1	127	120	30mm VICON	56.104.19
2200				
K94/1	129	120	1 1/8"x 6Spl AS	56.115.19
K94/1	129	120	1 1/8"x 6Spl AZ	56.102.19
K94/1	129	120	1 3/8"x 6Spl GS	56.103.19

K90 & K90/4


Series Type	L mm	L1 mm	D mm	Hub Size	Part Number
2300					
K90	134	32	190	1 3/8" x 6Spl CB	56.100.08
2400					
K90	129	32	190	1 3/8" x 6Spl CB	56.102.08
K90	129	32	190	1 3/8" x 21Spl CB	56.103.08
K90	129	32	190	1 3/4" x 6Spl CB	56.104.08
K90	129	32	190	1 3/4" x 20Spl CB	56.105.08
K90/4	149	52	190	1 3/8" x 6Spl CB	56.108.09
K90/4	149	52	190	1 3/8" x 21Spl CB	56.109.09
K90/4	149	52	190	1 3/4" x 6Spl CB	56.110.09
K90/4	149	52	190	1 3/4" x 20Spl CB	56.111.09
2500					
K90	134	32	190	1 3/8" x 6Spl CB	56.106.08
K90	134	32	190	1 3/8" x 21Spl CB	56.107.08
K90	134	32	190	1 3/4" x 20 Spl CB	56.108.08
K90/4	154	52	190	1 3/8" x 6Spl CB	56.100.09
K90/4	154	52	190	1 3/8" x 21Spl CB	56.101.09
K90/4	154	52	190	1 3/4" x 6Spl CB	56.102.09
K90/4	154	52	190	1 3/4" x 20Spl CB	56.103.09
2600					
K90/4	164	58	190	1 3/8" x 6Spl CB	56.104.09
K90/4	164	58	190	1 3/8" x 21Spl CB	56.105.09
K90/4	164	58	190	1 3/4" x 6Spl CB	56.106.09
K90/4	164	58	190	1 3/4" x 20Spl CB	56.107.09

AZ Pull Back Collar

CB Clamp Bolt

ZV Oval Pull Back Collar

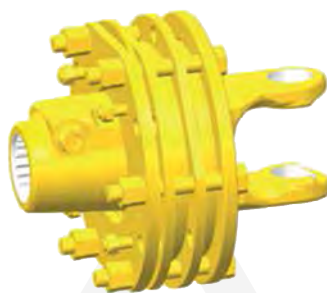
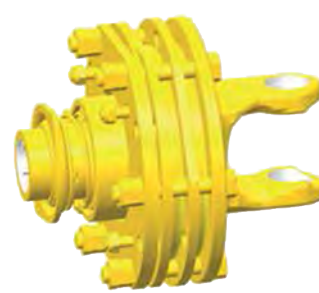
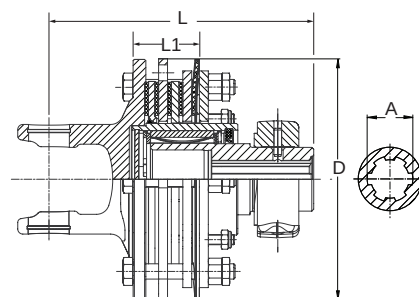
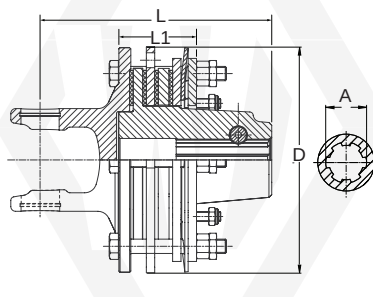
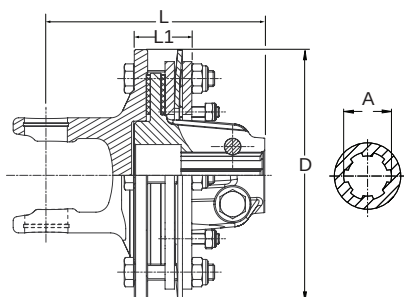
AS Ball Collar

GS Grub Screw

K Keyway

NB All Series: Bore + Key Hubs & Hex Hubs available on request.

Separate spare parts shown on Pages 60 & 62

K90T K90/4T & FK90/4TR FK90/4TL**K90T****K90/4T****FK90/4TR & FK90/4TL****K90T SERIES**

Series	Type	D mm	Torque Range da Nm	A Hub Size	Part Number
2400	K90T	188	100	1 3/8" x 6Spl CB	56.100.12
2400	K90/4T	188	75 - 180	1 3/8" x 6Spl CC	56.101.13
2400	K90/4T	188	120 - 160	1 3/4" x 20Spl CC	56.100.13
2500	K90/4T	188	180	1 3/4" x 20Spl CC	56.102.13

FK90/4T SERIES

Series	Type	D mm	Torque Range da Nm	A Hub Size	Part Number
2400	FK90/4TR	188	150	1 3/8" x 6Spl ZV	58.100.41
2400	FK90/4TR	188	120	1 3/8" x 6Spl CC	58.102.41
2400	FK90/4TL	188	150	1 3/4" x 20Spl ZV	58.101.41
2400	FK90/4TL	188	120	1 3/4" x 20Spl CC	58.103.41

CB Clamp Bolt

R Right Hand

CC Clamp Cone

L Left Hand

ZV Oval Pull Back Collar

Note: More types available quick reference only

Separate spare parts shown on Page 59

K62/0 BALL RATCHET CLUTCH

K62 SERIES

Series	Type	L mm	L1 mm	D mm	Torque Range da Nm	A Hub Size	Part Number
-	EK62/0	185	-	108	80	1 3/8" x 21Spl QR	59.100.00

K90TF & K90/4TF FRICTION CLUTCH (FIXED)


Series	Type	L mm	L1 mm	D mm	Torque Range da Nm	A Hub Size	Part Number
2500	K90/4TF	170	50	192	1100 - 2500	1 3/4" x 20Spl CB	56.102.37
2600	K90/4TF	170	50	192	1100 - 2500	1 3/4" x 20Spl CB	56.107.37



CB Clamp Bolt
R Right Hand

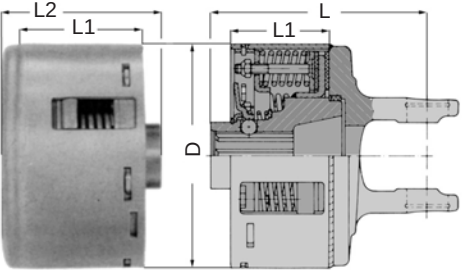
CC Clamp Cone
L Left Hand

QR Quick Release

Note: More types available quick reference only

Separate spare parts shown on Pages 58 - 59

K96 & K96/4 & EK96/4

EK Type	K Type	Series Type	L mm	L1 mm	D mm	Hub Size	Part Number
		2300					
		K96	163	75	170	1 3/8"x 6Spl ZV	56.100.50
		K96/4	173	90	170	1 3/8"x 6Spl ZV	56.109.51
		2400					
		K96	164	75	170	1 3/8"x 6Spl ZV	56.107.50
		K96/4	209	90	170	1 3/8"x 6Spl CC	56.138.51
		K96/4	209	90	170	1 3/8"x 6Spl ZV	56.100.51
		K96/4	207	90	170	1 3/8"x21Spl ZV	56.108.51
		K96/4	211	90	170	1 3/4"x 6Spl CC	56.139.51
		K96/4	211	90	170	1 3/4"x20Spl CB	56.113.51
		2500					
		K96/4	215	90	170	1 3/8"x 6Spl CC	56.136.51
		K96/4	215	90	170	1 3/8"x21Spl CC	56.140.51
		K96/4	222	90	170	1 3/4"x6Spl CC	56.141.51
		K96/4	222	90	170	1 3/4"x20Spl CC	56.145.51
		2600					
		K96/4	221	90	170	1 3/4"x 6Spl CC	56.133.51
		K96/4	221	90	170	1 3/4"x20Spl CC	56.134.51
		EK TYPE	L2				
		EK96/4	110	90	170	1 3/8"x21Spl Kemper	56.148.51
		EK96/4	152	90	170	1 3/8"x 6Spl CC	56.142.51

ZV Oval Pull Back Collar
CC Clamp Cone

CB Clamp Bolt

Note: More types available quick reference only

Separate spare parts shown on Page 64



EK Type



K Type

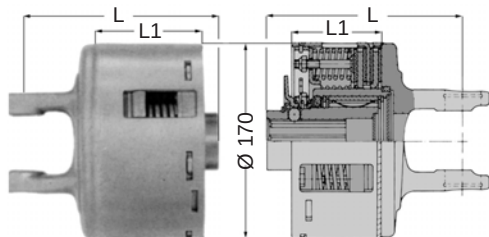


K & EK Type Clutch Settings

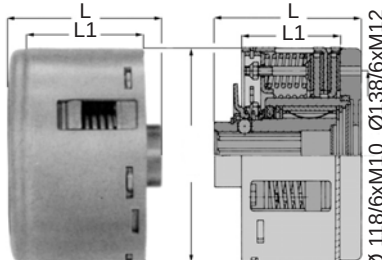
Torque Level		Setting	Clutch Housing Position
I	70%	min.	1
II*	80%	max.	1
III	90%	min.	2
IV	100%	max.	2

* Preferred Torque Setting

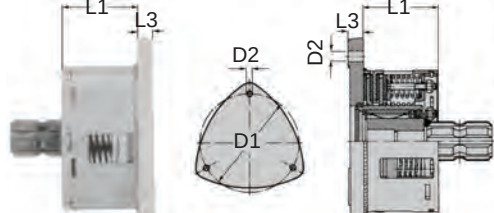
FK96R & FK96/4R & FK96/4L & FBK96/4R

	TYPE	Series	L mm	L1 mm	Hub Size	Part Number
	FK96 R	2300	189	75	1 3/8" x 6 Spl ZV	58.107.50
	2400	190	75	1 3/8" x 6 Spl ZV	58.111.50	
	FK96/4 R	2400	190	90	35mm x 10mm K CB	154042
		2400	165	90	1 3/8" x 6 Spl ZS	156899
		2400	190	90	1 3/8" x 6 Spl ZV	58.109.51
		2400	190	90	1 3/8" x 6 Spl CC	58.139.51
		2400	190	90	1 3/8" x 21 Spl CC	58.118.51
		2400	190	90	1 3/4" x 6 Spl CC	58.140.51
		2500	175	90	1 3/8" x 6 Spl ZS	58.173.51
		2500	198	90	1 3/8" x 6 Spl ZV	58.148.51
		2500	219	90	1 3/8" x 6 Spl CC	58.133.51
		2500	190	90	1 3/8" x 21 Spl CC	58.152.51
		2500	214	90	1 3/4" x 6 Spl CC	58.145.51
		2500	214	90	1 3/4" x 20 Spl CB	58.138.51
		2500	190	90	1 3/4" x 20 Spl ZS	387824
		2600	214	90	1 3/4" x 20 Spl CB	58.142.51
		2600	214	90	1 3/4" x 20 Spl ZS	387825
		FK96/4 L	2400	165	90	1 3/8" x 6 Spl ZS
	2400		165	90	1 3/4" x 6 Spl ZS	58.172.51
	2400		190	90	1 3/4" x 6 Spl CC	58.141.51
	2500		175	90	1 3/8" x 6 Spl ZS	58.174.51
	FBK96/4 R	2500	219	90	1 3/4" x 20 Spl CC	58.113.51
		2500	219	90	1 3/4" x 20 Spl CC	58.149.51

EFK96R & EFK96/4R

	TYPE	Series	L mm	L1 mm	Hub Size	Part Number
	EFK96 R	-	136	75	1 3/8" x 6 Spl ZV	58.108.50
	EFK96/4 R	-	157	90	1 3/8" x 6S pl CC	58.143.51
		-	157	90	1 3/8" x 21 Spl CB	137841

PFK96/4R & PFBK96/4R

	TYPE	D1 mm	D2 mm	L3 mm	L1 mm	Hub Size	Part Number
	PFK96/4 R	203	12.5	18	90	1 3/4"x 6Spl	58.101.53
	PFBK96/4 R	203	12.5	18	90	1 3/4"x 6Spl	58.111.53
		280	13	18	90	1 3/4"x 6Spl	58.108.53

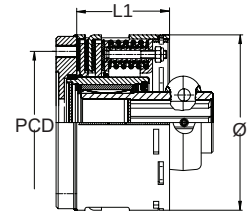
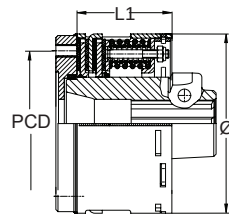
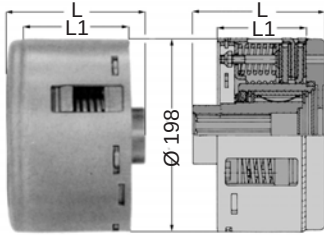
ZV Oval Pull Back Collar
R Right Hand

CC Clamp Cone
L Left Hand

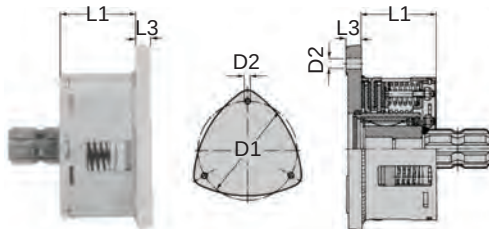
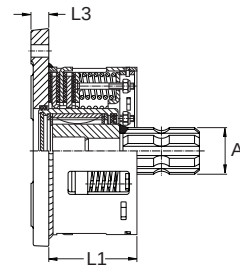
CB Clamp Bolt
ZS Inline

Note: More types available quick reference only

Separate spare parts shown on Pages 66 - 67

FRICTION & FRICTION OVERRUNNING**EK97/4 & EFK97/4**

TYPE	Ø mm	L mm	L1 mm	PCD mm	A Hub Size	Part Number
EK97/4	198	113	93	138	1 3/4"x 6Spl CC	56.104.56
	198	113	93	138	1 3/4"x20Spl	56.102.56
EFK97/4	198	113	93	138	1 3/4"x 20Spl CC	58.104.56

PK97/4R & PFK97/4R

TYPE	D1 mm	D2 mm	L3 mm	L1 mm	A Hub Size	Part Number
PK97/4 R	240	13	25	90	1 3/4"x 6Spl	56.106.56
PFK97/4 R	248	13	18	90	1 3/4"x 6Spl	58.105.56
	240	13	18	90	1 3/4"x 6Spl	58.106.56
	260	13	18	90	1 3/4"x 6Spl	58.102.56
	340	13	18	90	1 3/4"x 6Spl	58.107.56

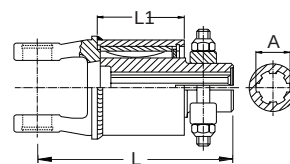
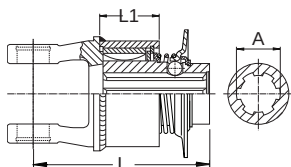
CC Clamp Cone

R Right Hand

L Left Hand

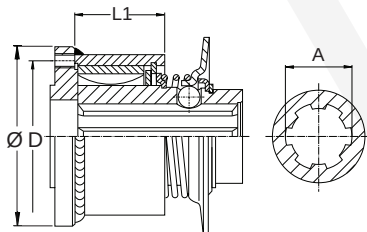
Note: More types available quick reference only

Separate spare parts shown on Pages 67 - 68

OVERRUNNING


Series Type	L mm	L1 mm	A Hub Size	Part Number
2100				
F5/1R	132	50	1 3/8"x 6Spl ZV	56.147.40
F5/1L	132	50	1 3/8"x 6Spl ZV	56.148.40
F5/1R	132	50	1 3/8"x21Spl ZV	56.149.40
2200				
F5/1R	138	50	1 3/8"x 6Spl ZV	56.140.40
F5/1L	138	50	1 3/8"x 6Spl ZV	56.142.40
F5/1L	138	50	30mm x 8mm K	56.109.40
F5/1R	138	50	1 3/8"x 21Spl ZV	56.153.40
80° F5/1R	138	50	1 3/8"x 6Spl ZV	56.179.40
2300				
F5/1R	148	50	1 3/8"x 6Spl ZV	56.141.40
F5/1L	148	50	1 3/8"x 6Spl ZV	56.143.40
F5/1R	148	50	1 3/8"x21Spl ZV	56.157.40
80° F5/1R	148	50	1 3/8"x 6Spl ZV	56.244.40
2400				
F5/1R	156	50	1 3/8"x 6Spl ZV	56.144.40
F5/1R	159	50	1 3/8"x 6Spl CB	56.172.40
F5/1R	156	50	1 3/8"x 6 PH	56.203.40
F5/1R	156	50	1 3/8"x21Spl ZV	56.163.40
F5/1R	142	50	40mm x 12mm K PH	56.138.40
F5/1L	156	50	1 3/8"x 6Spl ZV	56.137.40
F5/1L	184	50	1 3/4"x 6Spl CB	56.166.40
F5/1R	156	50	35mm x 10mm K	56.125.40
80° F5/1R	156	50	1 3/8"x 6Spl ZV	56.132.40
F5/1R	184	50	1 3/4" x 6Spl CB	56.165.40
F5/1R	184	50	1 3/4" x 20Spl CB	56.167.40

Series Type	L mm	L1 mm	A Hub Size	Part Number
2500				
F5/1R	166	50	1 3/8"x 6Spl ZV	56.104.40
F5/1L	166	50	1 3/8"x 6Spl ZV	56.108.40
F5/1R	166	50	1 3/8"x21Spl ZV	56.107.40
F5/1R	172	50	1 3/4"x 6Spl CB	56.119.40
F5/1R	172	50	1 3/4"x20Spl CB	56.120.40
F5/1R	171	50	1 3/4"x20Spl AS	56.253.40
80° F5/1R	172	50	1 3/8"x6Spl ZV	56.123.40
F5/2R	192	74	1 3/8"x 6Spl CB	56.131.41
F5/2R	208	74	1 3/8"x 6Spl CC	56.157.41
F5/2R	192	74	1 3/8"x21Spl CB	56.132.41
F5/2R	198	74	1 3/4"x 6Spl CB	56.121.41
F5/2L	198	74	1 3/4"x 6Spl CB	56.122.41
F5/2R	198	74	1 3/4"x20Spl CB	56.123.41
F5/2R	198	74	1 3/4"x20Spl CB	56.107.41
F5/2R	198	74	1 3/4"x20Spl AS	56.118.41
F5/2R	208	74	1 3/4"x20Spl CCH	56.145.41
2600				
F5/2R	206	74	1 3/8"x21Spl CB	56.128.41
F5/2R	206	74	1 3/4"x 6Spl CB	56.101.41
F5/2L	206	74	1 3/4"x 6Spl CB	56.102.41
75° F5/2R	206	74	1 3/4"x 6Spl CB	56.164.41
F5/2R	206	74	1 3/4"x20Spl CB	56.129.41
F5/2R	206	74	1 3/4"x20Spl CC	56.151.41
F5/2L	206	74	1 3/4"x20Spl CB	56.130.41
2700				
F5/2R	243	74	1 3/4"x20Spl CC	56.155.41

EF TYPE OVERRUNNING CLUTCH


Series Type	D (PCD) mm	L1 mm	A Hub Size	Part Number
EF5/1R		50	1 3/8"x6Spl ZV	56.126.40
EF5/1R		50	1 3/8"x21Spl ZV	56.136.40
EF5/1R		50	1 3/4"x 6Spl CB	56.128.40
EF5/1R		50	1 3/4"x20Spl CB	56.129.40
EF5/1L		50	1 3/8"x6Spl ZV	56.127.40
EF5/1R	101	50	45mmx22Spl	56.266.40
ESF5/1L	Ø 152.5		1 3/8"x6Spl	114344

ZV Oval Pull Back Collar

K Keyway

R Right Hand

CB Clamp Bolt

PH Pinhole

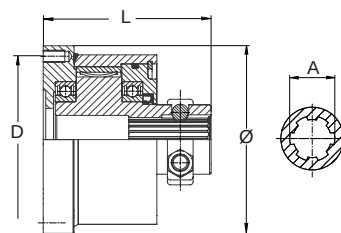
L Left Hand

AS Ball Collar

Note: More types available quick reference only

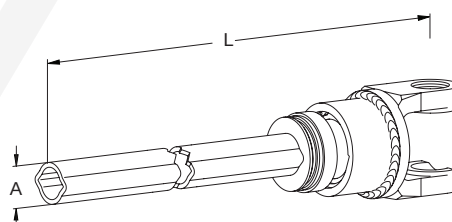
Separate spare parts shown on Pages 69 - 70

EFB5/3 OVERRUNNING CLUTCH



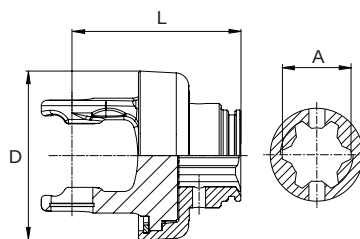
Series	Type	L mm	Ø mm	D (PCD) mm	Thread	Locating Spigot mm	A Hub Size	Part Number
CB	EFB5/3R	163	186	165	M12 x 8	98	1 3/4" x 6Spl	57.103.12
CB	EFB5/3R	163	186	165	M12 x 8	98	1 3/4" x 20Spl	57.114.12
CB	EFB5/3L	163	186	165	M12 x 8	98	1 3/4" x 20Spl	57.107.12

JF5 INBOARD OVERRUNNING CLUTCH



Series	Type	L mm	A Profile	Part Number
2200	JF5/12R	1200	1	56.109.42
2300	JF5/12R	1200	1	56.111.42
2400	JF5/1R	1100	1B	56.134.40
2500	JF5/12R	1000	S4	56.117.42

IFM INBOARD OVERRUNNING CLUTCH



Series	Type	L mm	A Profile	D mm	Part Number
2200	IFM/R	93.5	1	130	56.100.45
2300	IFM/R	123	2A	130	56.103.45
2400	IFM/R	123	2A	130	56.101.45
P400	IFM/R	132	S5	130	56.106.45
2200	IFM/L	93.7	1	130	56.114.45
2400	IFM/L	129.5	S5	130	56.115.45
2500	IFM/L	135	S5	140	56.116.45

CB Clamp Bolt

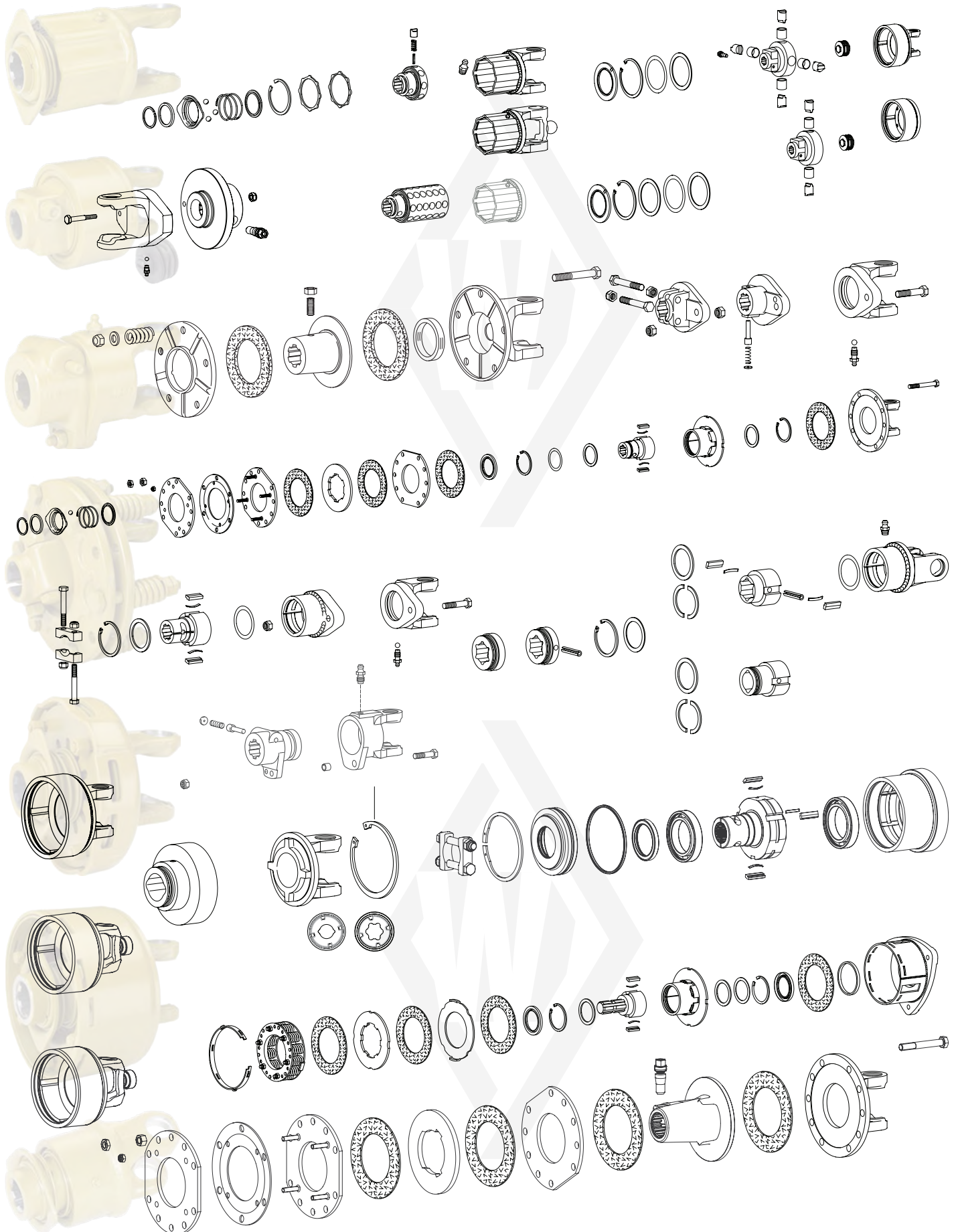
R Right Hand

L Left Hand

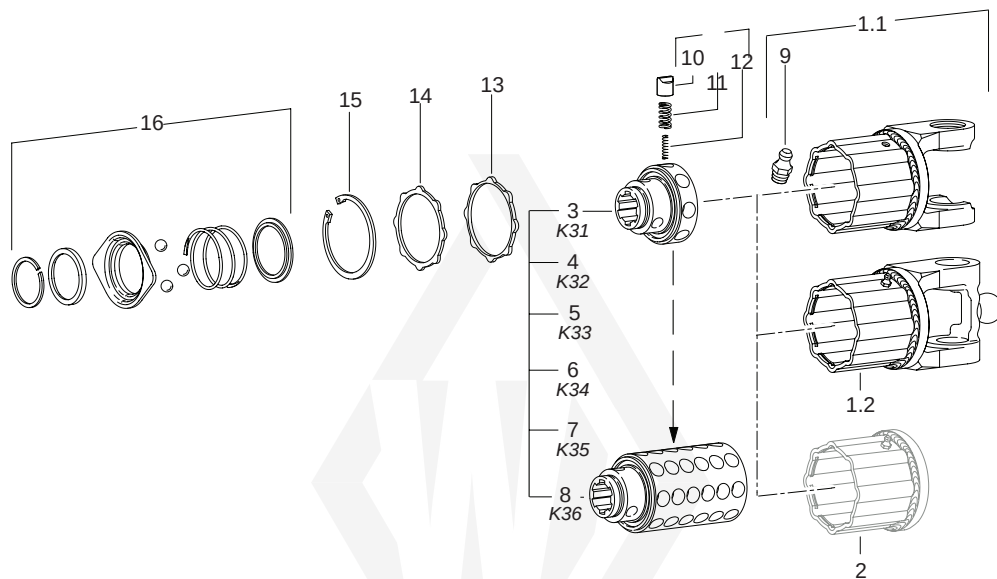
Note: More types available quick reference only

Separate spare parts shown on Pages 71 - 73

CLUTCH COMPONENT SECTION



K31B - K36B K33M - K34M OVERLOAD RATCHET



Item	Series / Size	Type	Part Number
1.1 Housing	2100	K31B	55.10.11
	2200	K31B	20.31.07
	2100	K32B	55.10.15
	2200	K32B	20.31.08
	2300	K32B	21.31.10
	2200	K33B	20.31.09
	2300	K33B	21.31.11
	2400	K33B	35.31.15
	2300	K34B	21.31.39
	2300	K34M	21.31.64
	2400	K34B	35.31.16
	2400	K34M	35.31.64
	2400	K35B	35.31.17
	2400	K36B	35.31.18
1.2 Housing	2280	K32B	20.31.820
	2280	K33B	20.31.821
	2380	K33B	21.31.833
	2380	K34B	21.31.834
2 Housing	84mm PCD	EK32	55.20.192
	EK Series 84mm PCD	EK33B	55.20.194
	84mm PCD	EK34B	55.20.310
3 Hub	1 3/8x6	K31	55.14.12
	1" x 1/4 K	K31	55.14.1000
4 Hub	1 1/8x6	K32	55.14.16
	1 3/8x6	K32	55.14.15
	1 3/8x6 N	K32	55.14.462
	1 3/8x21	K32	55.14.17
	25mmx8mm K	K32	55.14.197
	30mmx8mm K	K32	55.14.343
	35mmx10mm K	K32	55.14.434

Item	Series / Size	Type	Part Number
5 Hub	1 3/8x6	K33	55.14.18
	1 3/8x6 N	K33	55.14.490
	1 3/8x21	K33	55.14.20
	1 1/4xH QR	K33	55.14.1250
	30mmx8mm K	K33	55.14.153
6 Hub	1 3/8x6	K34	55.14.21
	1 3/8x21	K34	55.14.23
7 Hub	1 3/8x6	K35	55.14.26
8 Hub	1 3/8x6	K36	55.14.24
	1 3/8x21	K36	55.14.458
9 Lubricator			63.12.05
10 Cam			55.01.03
11 Spring Outer	Standard Black		66.01.04
	Low Torque Copper		66.01.26
	High Torque Blue		66.01.52
12 Spring Inner	Standard Black		66.01.05
	Low Torque Copper		66.01.27
13 Sealing Ring		K31-36B	55.17.12
		K33-34M	55.17.20
14 Support Ring		K31-36B	55.15.10
		K33-34M	55.15.20
15 Retaining Ring			62.15.00
16 Locking Collar Set ZV	1 1/8x6		Agraset 127
	Refer Page 74	1 3/8x6 1 3/8x21	Agraset 108

QR Quick Release

K Keyway

M Heavy Duty

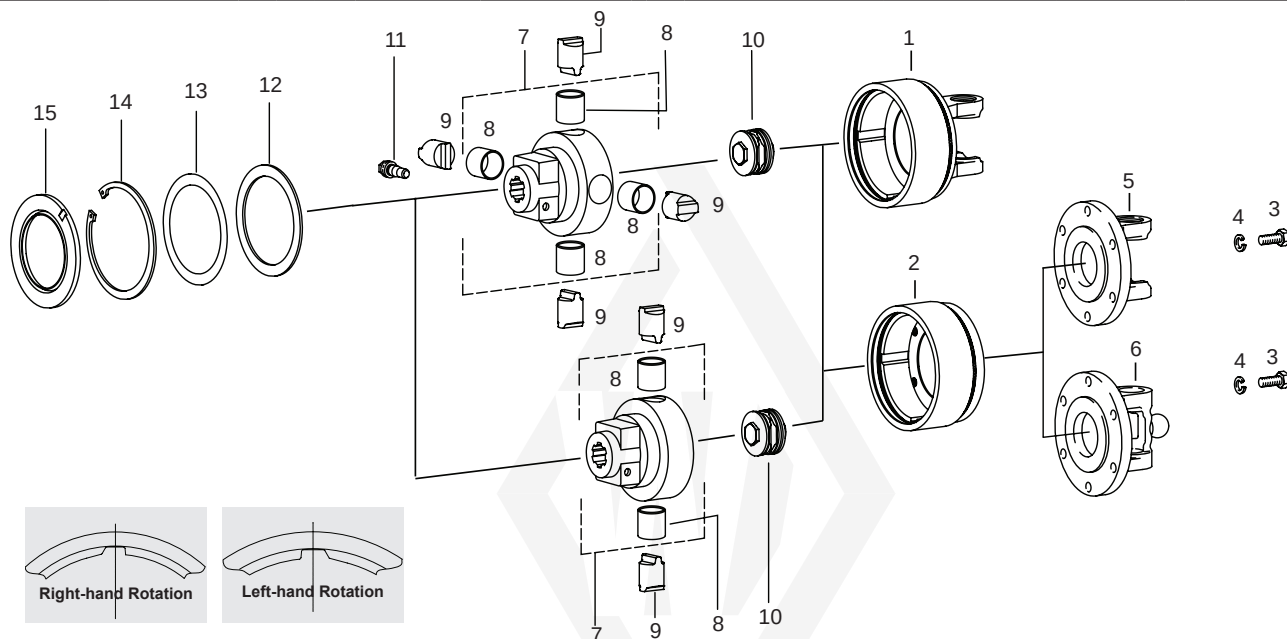
ZV Oval Pull Back Collar

H Hex

B Both Directions

N Grease Nipple

Note: More types available quick reference only

K64/12 - K64/14, EK64/12 - EK64/14 CAM TYPE CUT-OUT


ITEM	Series	OD	Type	Part Number
1 Housing	2300	130	K64/12&14RH	21.64.07
	2300	130	K64/12&14LH	21.64.08
	2400	130	K64/12&14RH	35.62.05
	2400	130	K64/12&14LH	35.62.06
2 Housing	PCD	OD		
	118 M10x6	130	EK64/12&14RH	59.42.02
	118 M10x6	130	EK64/12&14LH	59.42.03
	101.5 M8x8	130	EK64/12&14RH	59.42.04
	101.5 M8x8	130	EK64/12&14LH	59.42.05
3 Bolt	M8x22		DIN 933	60.04.23
	M10x25		DIN 933	90.05.55
4 Lock Washer	A8		DIN 127	60.81.00
	A10		DIN 127	60.82.03
5 Flange Yoke		PCD		
	2300	101.5 M8x8		21.66.00
	2300	118 M10x6		21.32.03
	2400	101.5 M8x8		35.27.00
	2400	118 M10x6		35.20.100
6 Flange Yoke				
	2380	118 M10x6		21.32.816

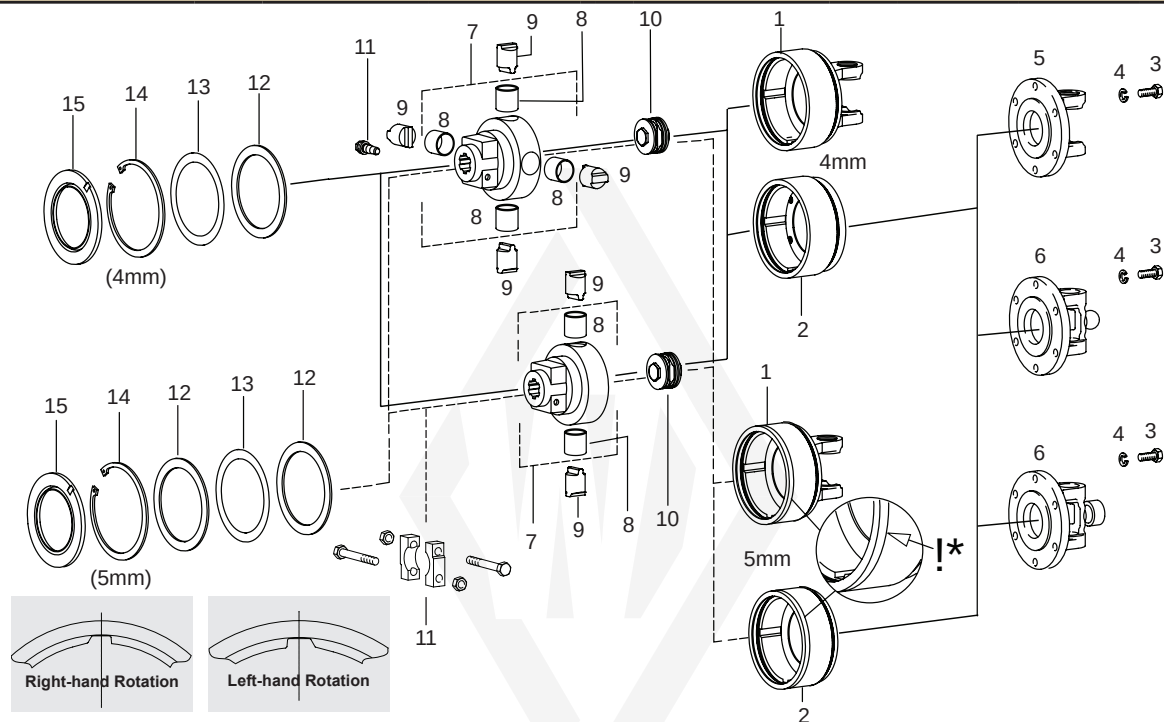
ITEM	Series / Size	Type	Part Number
7 Hub	1 3/8" x 6 CC	K64/12	59.46.00
	1 3/8" x 21 CC	K64/12	59.46.01
	1 3/8" x 6 CC	K64/14	59.46.02
	1 3/8" x 21 CC	K64/14	59.46.03
	35mmx10mm K	K64/14	59.46.102
8 Bush		K64/12&14	16.50.620
9 Cam		K64/12&14	59.43.01
10 Spring Pack	Torque daNm		
	60-90 daNm	64/12	59.27.01
	100-120 daNm	64/12	59.27.02
	120 daNm	64/14	59.27.05
	130-180 daNm	64/14	59.27.03
11 CC Bolt	1 3/8		65.12.06
Refer Page 74 for Locking Device Details			
12 Support Ring		64/12&14	16.20.07
13 Shim Kit		64/12&14	Agraset 151
14 Retaining Ring		64/12&14	62.29.00
15 Sealing Ring		64/12&14	68.18.00

CC Clamp Cone
RH Right Hand

K Keyway
LH Left Hand

Note: More types available quick reference only

K64/22 - EK64/22, K64/24 - EK64/24 CAM TYPE CUT-OUT



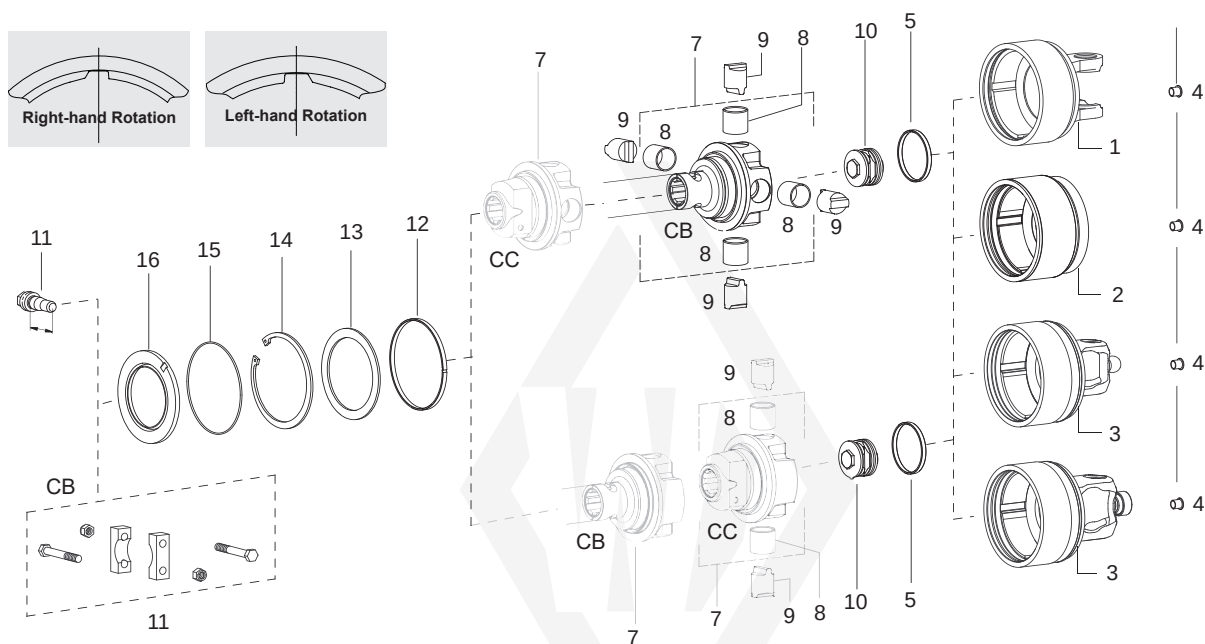
ITEM	Series	D	Type	Part Number
1 Housing	2300	168	K64/22&24RH	21.90.12
	2400	168	K64/22&24RH	35.90.15
	2400	168	K64/22&24LH	35.90.16
	2500	168	K64/22&24RH	36.90.18
	2500	168	K64/22&24LH	36.90.19
	2600	168	K64/22&24RH	26.90.15
	2600	168	K64/22&24LH	26.90.16
	2700	168	K64/22&24RH	27.90.02
	2700	168	K64/22&24LH	27.90.03
2 Housing	PCD	D		
	118 M10x6	168	EK64/22RH	59.22.08
	118 M10x6	168	EK64/22LH	59.22.09
	138 M12x6	168	EK64/22LH	59.22.06
	138 M12x6	168	EK64/22RH	59.22.07
	138 M12x12	168	EK64/24RH	59.22.10
	138 M12x12	168	EK64/24LH	59.22.11
3 Bolt	M10x30		DIN 933	60.05.56
	M12x30		DIN 933	60.06.05
4 Lock Washer	A10		DIN 127	60.82.03
	A12		DIN 127	60.83.02
5 Flange Yoke	2300		PCD = 118	21.32.03
	2400		PCD = 138	35.19.02
	2500		PCD = 138	36.19.02
	2600		PCD = 138	26.15.106
	2700		PCD = 138	27.15.101
6 Flange Yoke	P480		PCD = 138	35.19.310
	P580		PCD = 138	36.19.310
	P675		PCD = 138	26.75.00

ITEM	Series / Size	Type	Part Number
7 Hub	1 3/8" x 6 CC	K64/22	59.26.00
	1 3/8" x 21 CC	K64/22	59.26.08
	1 3/4" x 6 CC	K64/22	59.26.02
	1 3/4" x 20 CC	K64/22	59.26.03
	1 3/8" x 6 CC	K64/24	59.26.11
	1 3/4" x 6 CC	K64/24	59.26.06
	1 3/4" x 20 CC	K64/24	59.26.07
	2 1/4" x 22 CB	K64/24	59.26.19
	52 x 25Spl CB	K64/24	59.26.17
8 Bush		K64/22&24	16.50.618
9 Cam		K64/22&24	59.23.01
10 Spring Pack	Torque daNm		
	130-250 daNm	64/22	59.27.04
	180 fix daNm	64/22	59.27.104
	250-380 daNm	64/24	59.27.00
	400-450 daNm	64/24	59.27.06
11 CC Bolt	1 3/8"		65.12.06
	1 3/4"		65.12.08
CB	Refer Page 74 for Clamp Bridge details		
	Refer Page 74 for Locking Device Details		
12 Support Ring		64/22&24	16.20.81
13 Shim Kit		64/22&24	Agraset 152
14 Retaining Ring	4mm	64/22&24	62.46.00
	5mm	64/22&24	159524
15 Sealing Ring		64/22&24	68.18.01

CC Clamp Cone
RH Right Hand

CB Clamp Bolt
LH Left Hand

Note: !* Uses thicker circlip for higher speeds

K68 / EK68 CAM TYPE CUT-OUT


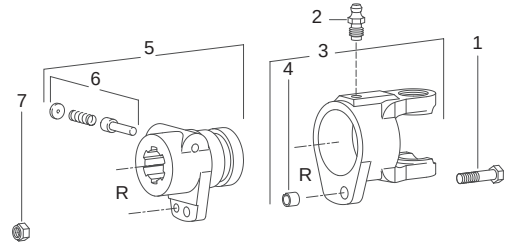
ITEM	Series	D	Type	Part Number
1 Housing	2400	168	K68/22-24RH	35.90.19
	2500	168	K68/22-24RH	36.90.34
	2500	168	K68/22-24LH	36.90.35
	2600	168	K68/22-24RH	26.90.20
	2600	168	K68/22-24LH	26.90.22
2 Housing	PCD	D		
	138 M12	168	EK68/22-24LH	59.28.02
	138 M12	168	EK68/22-24RH	59.28.03
3 Housing	80° 2480	168	K68/22-24RH	35.90.22
	P580	168	K68/22-24RH	36.90.32
	P675	168	K68/22-24RH	26.90.21
4 Plug				159809
5 Ring	80 x 85 x 7.5			16.52.12
7 Hub	1 3/8" x 6 CB		K68/24	59.29.13
	1 3/8" x 21 CB		K68/24	59.29.14
	1 3/4" x 6 CB		K68/24	59.29.11
	1 3/4" x 20 CB		K68/24	59.29.12

ITEM	Series / Size	Type	Part Number
8 Bush		K68/22&24	16.50.721
9 Cam		K68/22&24	59.23.01
10 Spring Pack	Torque daNm		
	150-250 daNm	68/22	59.27.04
	250-380 daNm	68/24	59.27.00
	400-450 daNm	68/24	59.27.06
11 CC Bolt	1 3/8"		65.12.06
	1 3/4"		65.12.08
CB Bridge	Refer Page 74 for Clamp Bridge details		
	Refer Page 74 for Locking Device Details		
12 Ring	145 x 150 x 7.5	68/22&24	16.52.13
13 Support Ring		68/22&24	16.20.81
14 Retaining Ring	DIN472 150 x 5	68/22&24	159524
15 O Ring	145 x 2.5	68/22&24	159574
16 Sealing Ring		68/22&24	68.18.13

CC Clamp Cone
RH Right Hand

CB Clamp Bolt
LH Left Hand

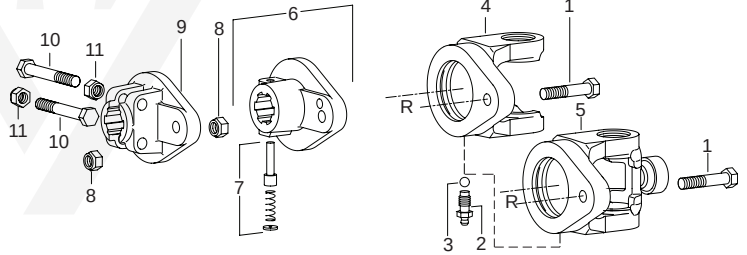
K61/1 SHEARBOLT



Item	Series / Size	Type	Part Number
1 Shearbolt	M6x35-8.8		60.03.15
	M8x35-8.8		60.04.34
2 Lubricator			60.05.102
3 Yoke	2200	R=42x8	20.67.02
4 Bush	M6		61.04.15
	M8		61.05.11

Item	Series / Size	Type	Part Number
5 Hub	1 1/8x6SplQR	R= 42 x 6 & 8	57.17.01
	1 3/8x6SplQR	R= 42 x 6 & 8	57.17.09
6 QR Pin Set			Agraset 101
7 Nut	M6		60.56.02
	M8		60.51.01

KB61/20 SHEARBOLT



ITEM	Series / Size	Type	Part Number
1 Shearbolt	M7x60-8.8		60.11.03
	M8x50-8.8		60.04.06
	M8x60-8.8		60.04.12
	M10x60-8.8		60.05.10
	M12x60-8.8		60.06.07
2 Lubricator			60.05.102
3 Ball	24 pieces		64.01.12
4 Yoke	2300	R=48x8	21.68.00
	2300	R=52x8	21.68.01
	2400	R=48x7	35.68.03
	2400	R=48x8	35.68.02
	2400	R=48x10	35.68.06
	2400	R=56x8	35.68.08
	2400	R=56x10	35.68.05
	2400	R=60x8	35.68.00
	2400	R=64x8	35.68.04
	2500	R=48x10	36.68.04
	2500	R=48x12	36.68.07
	2500	R=56x10	36.68.05
	2500	R=60x8	36.68.01
	2500	R=60x10	36.68.02
	2500	R=64x8	36.68.03
	2500	R=64x10	36.68.08
5 Yoke	P580	R=56x10	36.68.301
6 Hub	1 3/8x6QR	R=48x8 (2300 only)	57.27.18
	1 3/8x6QR	R=52x8 (2300 only)	57.27.02
	1 3/8x6QR	R=48x7	57.27.06
	1 3/8x6QR	R=48x8	57.27.08
	1 3/8x6QR	R=48x10	57.27.24

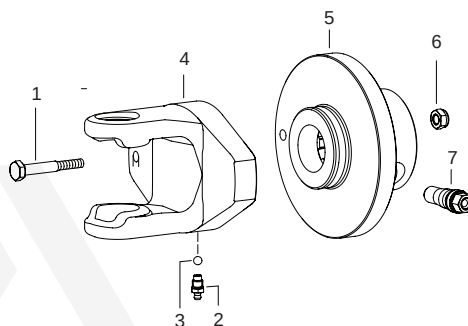
ITEM	Series / Size	Type	Part Number
6 Hub cont.	1 3/8x6QR	R=56x8	57.27.32
	1 3/8x6QR	R=56x10	57.27.16
	1 3/8x6QR	R=64x7	57.27.10
	1 3/8x6QR	R=64x10	57.27.36
	1 3/8x21QR	R=48x10	57.27.12
	1 3/8x21QR	R=56x8	57.27.22
	1 3/4x6QR	R=48x10	57.27.122
	1 3/4x6QR	R=56x10	57.27.155
7 QR Pin Set	1 3/8"		Agraset 101
	1 3/4"		Agraset 102
8 Nut	M7		60.60.01
	M8		60.51.01
	M10		60.52.01
	M12		60.53.03
9 Hub	1 3/8x6CB	R=48x8 (2300 only)	57.26.26
	1 3/8x6CB	R=48x10	57.26.14
	1 3/8x6CB	R=48x12	57.26.34
	1 3/8x6CB	R=56x8	57.26.66
	1 3/8x6CB	R=60x8	57.26.06
	1 3/8x6CB	R=60x10	57.26.02
	1 3/4x6CB	48x10	57.26.52
	1 3/4x6CB	56x10	57.26.12
	1 3/4x6CB	64x8	57.26.08
	1 3/4x6CB	64x10	57.26.40
	1 3/4x20CB	56x10	57.26.54
10 Bolt	M12x65	1 3/8x6Spl	60.06.08
	M16x80	1 3/4x6Spl & 20Spl	60.09.06
11 Nut	M12	1 3/8x6Spl	60.53.03
	M16	1 3/4x6Spl & 20Spl	60.57.02

QR Quick Release

CC Clamp Cone

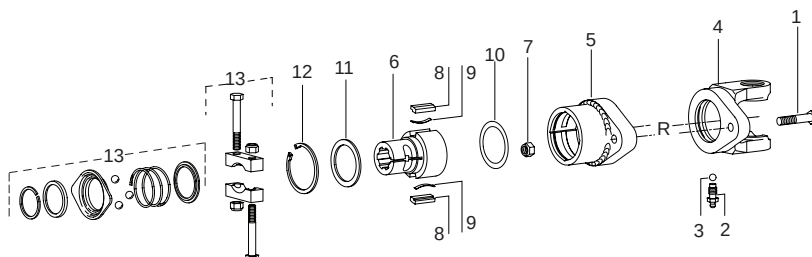
CB Clamp Bolt

B Both Directions

KB61/30 SHEARBOLT


Item	Series / Size	Type	Part Number
1 Shearbolt	M10x70-8.8		60.05.44
	M14x70-8.8		60.07.03
2 Lubricator			60.05.103
3 Ball	32 pieces		64.01.12
4 Yoke	2600	R=75x10	26.68.05
	2600	R=75x14	26.68.01

Item	Series / Size	Type	Part Number
5 Hub	1 3/4x6 CB	R=75x14	57.28.02
	1 3/4x6 CB	R=75x10	57.28.16
	1 3/4x20 CB	R=75x10	57.28.24
6 Nut	M10		60.52.01
	M14		60.62.01
7 CC Bolt	1 3/4"		65.12.08

FKB61/20 R-L SHEARBOLT/FREEWHEEL COMBINATION


Item	Series / Size	Type	Part Number
1 Shearbolt	M10x60		60.05.10
	M12x60		60.06.07
2 Lubricator	M10		60.05.103
3 Ball	24 pieces	5/16"	64.01.12
4 Yoke	2400	R=56x10	35.68.05
	2500	R=56x10	36.68.16
	2500	R=56x10	36.68.05
	2500	R=64x12	36.68.14
5 Housing		R=56x10 RH	57.27.140
		R=56x12 RH	57.27.177
		R=64x12 RH	57.27.175
		R=56x10 LH	57.27.123
6 Hub	1 3/8x6 ZV		56.19.12
	1 3/8x6 CB		56.19.14
	1 3/4x6 CB		56.19.15
	1 3/4x20 CB		56.19.19
	40mm x 12 K		56.19.236

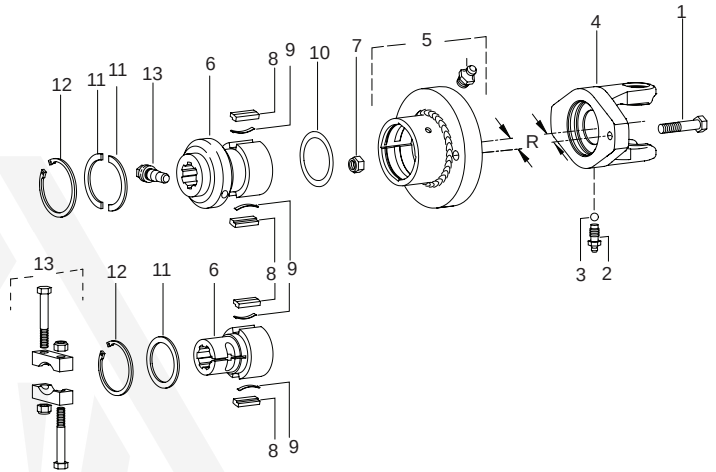
Item	Series / Size	Type	Part Number
7 Nut	M10	DIN 985	60.52.01
	M12	DIN 985	60.53.03
8 Key	13x7x38		16.50.35
9 Leaf Spring	36x5		66.19.01
10 Shim	56x72		116141
11 Support	60x72		16.20.160
	56x72		16.20.67
12 Retainer	72x2.5		62.14.01
13 Locking Collars			
Bridge	For hubs 1 3/8"		16.20.51
	For hubs 1 3/4"		16.20.99
Collar	For hubs 1 3/8"		Agraset 108
Refer Page 74 for Locking Device Details			

ZV Oval Pull Back Collar
RH Right Hand

CB Clamp Bolt
LH Left Hand

CC Clamp Cone
K Keyway

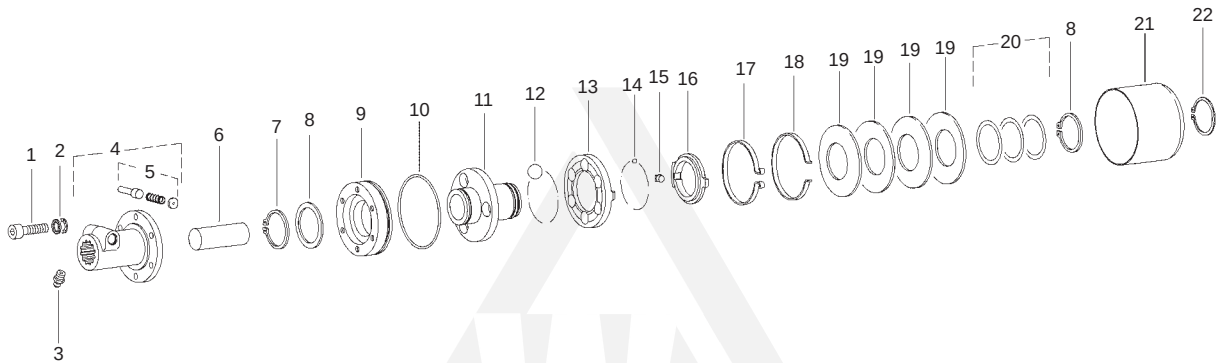
FKB61/30 SHEARBOLT OVERRUNNING CLUTCH



Item	Series / Size	Type	Part Number
1 Shearbolt	M12x70	DIN 931	60.06.09
2 Lubricator	M10		60.05.103
3 Ball	32 pieces	5/16"	64.01.12
4 Yoke	2600	R=75x12	26.68.07
5 Housing	FKB30R	R=75x12 RH	57.68.10
6 Hub		1 3/4x6 CC H	59.19.69
		1 3/4x20 CC H	56.19.60
		1 3/4x20 CB	56.19.32
7 Nut	M12	DIN 985	60.53.03
8 Key	13x7x61.5		16.50.43

Item	Series / Size	Type	Part Number
9 Leaf Spring	48x5		66.19.00
10 Shim	56x72		116141
11 Support	59.8x72x3		16.20.170
	56x72		16.20.67
12 Retainer	72x2.5		62.14.01
13 Locking Collars			
Bridge	For hubs 1 3/4"		16.20.99
CC Bolt	1 3/4"		65.12.08
Refer Page 74 for Locking Device Details			

K62/0 FRICTION CLUTCH



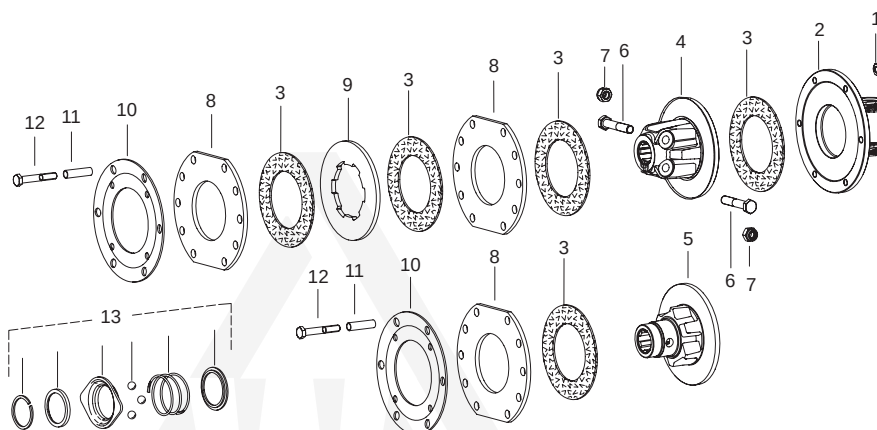
Item	Series / Size	Type	Part Number
1 Bolt SHCS	M8x30	DIN 912	60.04.03
2 Washers	M8		60.77.02
3 Lubricator	M8x1		63.12.01
4 Flanged Hub	1 3/8" x 21Spl QR		16.50.661
5 QR Pin Set		Agraset 101	
6 Tube			16.50.678
7 Retainer Ring	50x3		62.41.103
8 Support Ring	50x62x3		16.20.218
9 Drive Plate	84xM8x6	K62/0	59.00.115
10 O Ring	96x3		55.38.00
11 Hub	1 3/8" x 21Spl	K62/0-1	59.14.138

Item	Series / Size	Type	Part Number
12 Ball	DIN5401-20-111	Qty=3	64.01.08
13 Shifting Plate	102x12	K62/0	59.01.06
14 Ball	DIN5401-6-111	Qty=35	64.01.18
15 Bolt	9x9.5		16.50.658
16 Shifting Ring	4.1mm		59.02.08
17 Shift Spring			66.20.05
18 Shift Spring			66.20.06
19 Belleville Spring	100x51x3.5		66.06.103
20 Shim Kit	50x62		Agraset 181
21 Housing		K62/0	59.03.07
22 Retainer Ring	48x1.75		62.41.104

CB Clamp Bolt
RH Right Hand

CC Clamp Cone
LH Left Hand

QR Quick Release
H Hardened

K90TF & K90/4TF FRICTION CLUTCH


Item	Series / Size	Type	Part Number
1 Nut	M10	DIN 934	60.52.00
2 Flange Yoke	2300		21.73.102
	2400		35.73.106
	2500		36.73.105
3 Friction Lining	91x150x3		56.73.08
4 Hub	1 3/8"x6Spl CB		56.98.01
5 Hub	1 3/8"x6Spl ZV		
6 Bolt	M12x65	DIN 931	60.06.08
7 Nut	M12	DIN 985	90.06.09

Item	Series / Size	Type	Part Number
8 Drive Plate	189x91x7		56.93.00
9 Drive Plate			56.94.00
10 Belleville Spring			
Refer chart below for part and correct torque settings			
11 Tube			Refer chart below for part listing
12 Bolt	M10x65	DIN 931	
13 Locking Device	ZV		Agraset 108
Refer page 74 for locking device details			

K90TF & K90/4TF TORQUE SETTING CHART
K90TF TORQUE VALUES (da Nm)

Item	Torque	500	600	750	900
10	Part Number	56.12.11	56.12.12	56.12.13	56.12.14
	Tube Length (mm)	24.3	24.3	24.8	24.8
11	Part Number	16.50.757	16.50.757	16.50.757	16.50.757

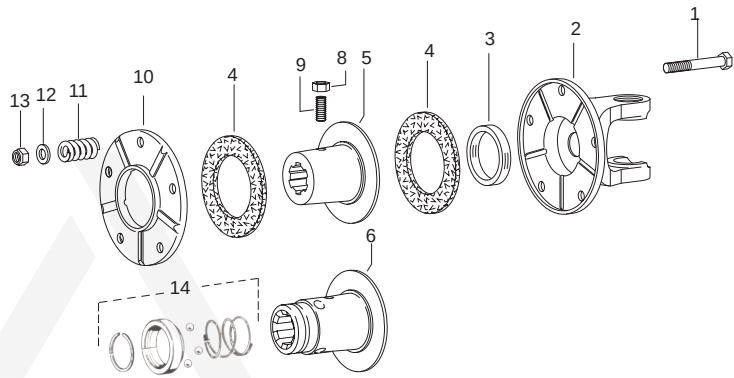
K90/4TF TORQUE VALUES (da Nm)

Item	Torque	1100	1350	1650	2100	2500
10	Part Number	56.12.11	56.12.12	56.12.13	56.12.14	56.12.15
	Tube Length (mm)	44.3	44.3	44.8	44.8	45.3
11	Part Number	16.50.758	16.50.758	16.50.758	16.50.758	16.50.758

CB Clamp Bolt

ZV Oval Pull Back Collar

K94/1 FRICTION CLUTCH

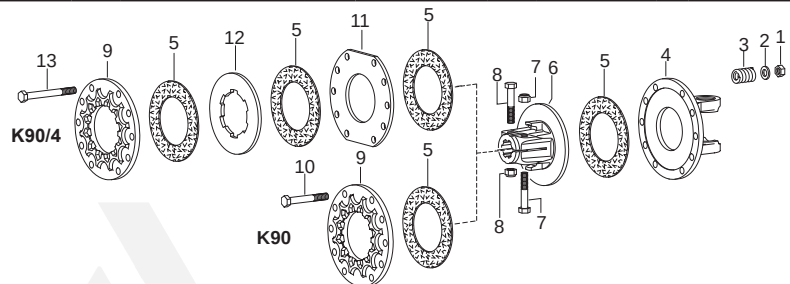


Item	Series / Size	Type	Part Number
1 Bolt	M8x60		60.04.12
2 Housing	2100 D=120	K94/1	10.34.121
	2200 D=120	K94/1	20.15.179
3 Bush			16.52.05
4 Friction Lining	56x90	K94/1	56.73.13
5 Hub	1 1/8" x 6Spl	K94/1	16.50.413
	1 3/8" x 6Spl	K94/1	16.50.423
	30mmx8mmK GS	K94/1	16.50.414
6 Hub	1 1/8x6 AS	K94/1	16.50.494
	1 3/8x6 ZV	K94/1	16.50.555

Item	Series / Size	Type	Part Number
7 Hub	30mm Vicon	K94/1	16.50.415
7A Hub	30mmx10mm PH	K94/1	16.50.480
8 Nut	M10		60.52.00
9 Grub Screw	M10x20	1 1/8 - 1 3/8	60.05.51
	M10x20	30mm	60.05.50
10 Thrust Plate		K94/1	16.20.69
11 Spring			66.01.47
12 Washer			60.77.00
13 Nut		M8	60.51.01
14 AS Locking Collar Set		1 1/8" x 6Spl	Agraset 140
		1 3/8" x 6Spl	Agraset 173

Refer Page 74

K90 K90/4 FRICTION CLUTCH



Item	Series / Size	Type	Part Number
1 Nut	M12		60.53.07
2 Washer	A13		60.75.01
3 Spring			66.01.53
4 Flange Yoke	2300		21.73.01
	2400		35.73.01
	2500		36.73.01
	2600		26.73.01
5 Friction Lining	91 x 150		56.73.08
6 Flange Hub	1 3/8" x 6 CB	K90	56.90.04
	1 3/8" x 21 CB	K90	56.90.06
	1 3/4" x 6 CB	K90	56.90.08
	1 3/4" x 20 CB	K90	56.90.10

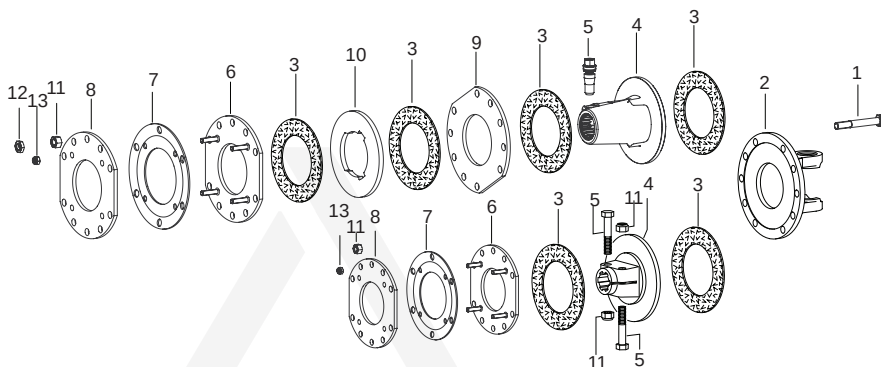
Item	Series / Size	Type	Part Number
6 Flange Hub	1 3/8" x 6 CB	K90/4	56.91.00
	1 3/8" x 21 CB	K90/4	56.91.02
	1 3/4" x 6 CB	K90/4	56.91.04
	1 3/4" x 20 CB	K90/4	56.91.06
	1 1/2" x 3/8" K	K90/4	56.91.1500
7 Nut	M12		60.53.03
8 Bolt	M12x60		60.06.08
9 Back Plate			56.92.00
10 Bolt	M12x90	K90	60.06.32
11 Drive Plate		K90/4	56.93.00
12 Drive Plate		K90/4	56.94.00
13 Bolt	M12x115	K90/4	60.06.51

ZV Oval Pull Back Collar
K Keyway

CB Clamp Bolt
PH Pin Hole

AS Ball Collar

K90T K90/4T FRICTION CLUTCH

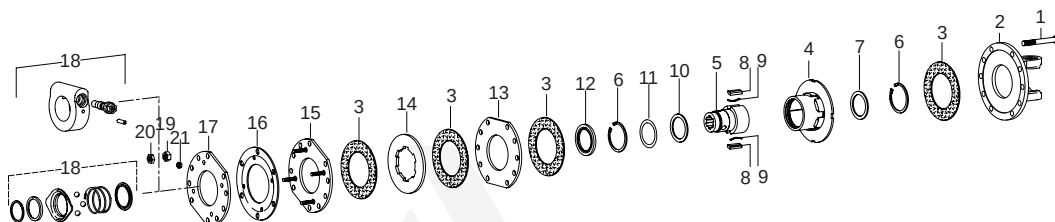
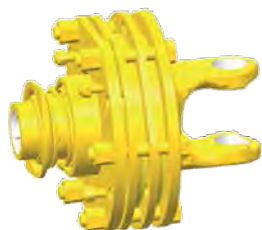


Item	Series / Size	Type	Part Number
1 Bolt	M12x65	DIN 931	60.06.08
	M12x1.25x90	DIN 960	60.06.32
2 Flange Yoke	2400	K90/4T	35.73.102
	2500	K90/4T	36.73.102
3 Friction Lining	91 x 150		56.73.08
4 Flange Hub	1 3/8"x6Spl CB	K90T	56.91.00
	1 3/8"x6Spl CC	K90/4T	56.91.13
	1 3/4"x20Spl CC	K90/4T	56.91.12
5 Bolt	M12x60	K90T DIN 931	60.06.07
	CC	1 3/8 or 1 3/4	

Refer Page 74 for Locking Device Details

Item	Series / Size	Type	Part Number
6 Thrust Plate	167mm PCD	189x91x40	56.93.03
7 Belleville Spring		187x100x2.8	66.12.00
		187x100x3.5	66.12.02
8 Back Plate		189x91x7	56.93.04
9 Drive Plate		189x91x7	56.93.00
10 Drive Plate		153.3x80.5x9	56.94.01
11 Nut	M12	DIN 985	010490
	M12x1.25	DIN 934	123593
12 Nut	M12x1.25	DIN 439	123594
13 Nut	M8	DIN 985	020575
	M8	ISO 7042	158705

FK90/4TR FK90/4TL FRICTION OVERRUN CLUTCH



Item	Series / Size	Type	Part Number
1 Bolt	M12x1.25x90	DIN 960	60.06.32
2 Flange Yoke	2400		35.73.104
3 Friction Lining	100x152x3		56.73.21
4 Housing	FK90/4TR	RH	58.60.117
	FK90/4TL	LH	58.60.118
5 Hub	1 3/8"x6Spl ZV		56.19.37
	1 3/8"x6Spl CC		56.19.63
6 Retainer	72x2.5		62.14.01
7 Support Ring	56x72x3		16.20.67
8 Key	13x7x49.5		16.50.25
9 Leaf Spring	48x5		66.19.00
10 Support Ring	56x72x1.5		16.20.225
11 Shim	56x72		Agraset 150

Item	Series / Size	Type	Part Number
12 Sealing Ring	80x55.3x6		68.18.02
13 Drive Plate	189x100x7		56.93.05
14 Drive Plate	153.5x88.3x6		56.34.07
15 Thrust Plate	189x91x40		56.93.03
16 Belleville Spring	187x100x3.5		66.12.02
17 Back Plate	189x91x7		56.93.04
18 Locking Device	ZV		Agraset 108
	CC Collar		65.13.00
	CC Bolt		65.12.10
Refer Page 74 for Locking Device Details			
19 Nut	M12x1.25	DIN 934	123593
20 Nut	M12x1.25	DIN 439	123594
21 Nut	M8	ISO 7042	158705

CB Clamp Bolt
RH Right Hand

CC Clamp Cone
LH Left Hand

ZV Oval Pull Back Collar

K92 EK92 K92/4 EK92/4 FRICTION CLUTCH



K92



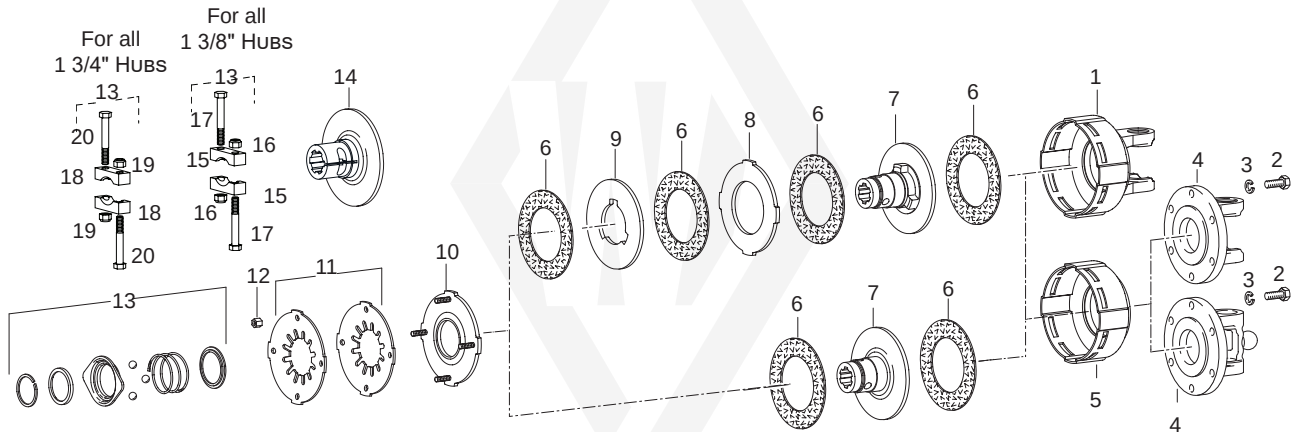
EK92



EK92/4



K92/4



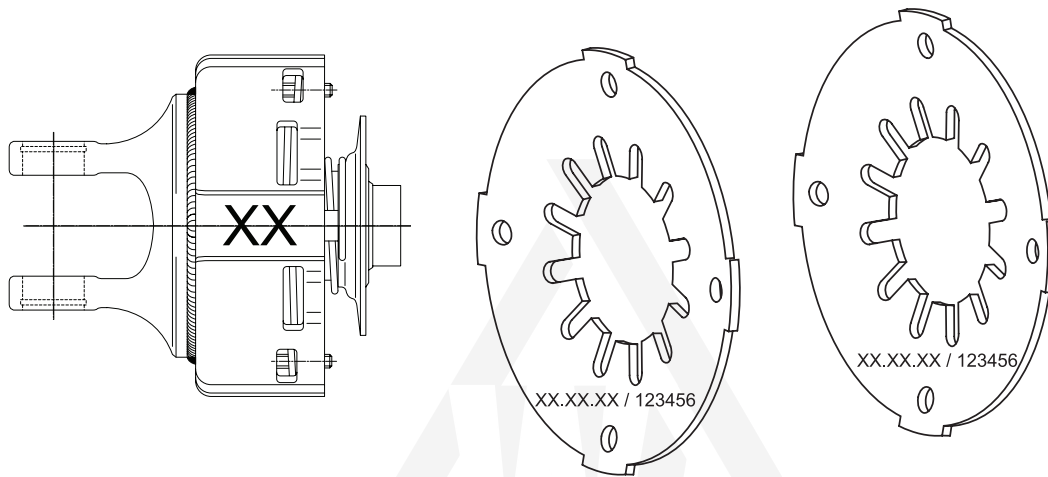
ITEM	Series	Type	D = PCD	Part Number
1 Housing	2200	K92		20.31.32
	2300	K92		21.31.17
	2400	K92		35.31.21
	2300	K92/4		21.64.02
	2400	K92/4		35.62.01
	2500	K92/4		36.62.01
2 Bolt	M8X18	K92		60.04.18
	M10X25	K92/4		60.05.55
	M12X25			60.06.52
3 Lock Washer	A8	K92		60.81.00
	A10	K92/4		60.82.03
	A12			60.83.02
4 Flange Yoke	2300		118	21.32.03
	2400		138	35.19.02
	2600		138	36.19.02
5 Housing		EK92/4	118	56.65.07
		EK92/4	138	56.65.08
6 Friction Lining	91x150			56.73.08
7 Hub	1 3/8"x6Spl ZV	K92		56.64.09
	1 3/8"x21Spl ZV	K92		56.64.10
	1 3/8"x6Spl QR	K92/4		56.64.232
	1 3/8"x6Spl ZV	K92/4		56.64.12
	1 3/8"x21Spl ZV	K92/4		56.64.13
8 Drive Plate		K92/4		56.66.02

ITEM	Series / Size	Type	Part Number
9 Drive Plate		K92/4	56.67.01
10 Thrust Plate			56.66.19
11 Belleville Spring			66.16.01
			66.09.02
			66.09.00
			66.10.00
			66.10.01
			66.16.00
Refer Page 63 for Torque Settings			
12 Nut	M8		60.51.09
13 Locking Device		ZV	Agraset 108
	Mini Pin	QR	Agraset 132
		CB	
Refer Page 74 for Locking Device Details			
14 Hub	1 3/8" x 6Spl CB	K92/4	56.64.147
	1 3/4" x 6Spl CB	K92/4	56.64.168
	1 3/4" x 20Spl CB	K92/4	56.64.183
	35mm x 10mm K	K92/4	56.64.189
15 Bridge	1 3/8	(2 Pieces)	16.20.51
16 Nut	M12	(2 Pieces)	60.53.03
17 Bolt	M12x85	(2 Pieces)	60.06.11
18 Bridge	1 3/4	(2 Pieces)	16.20.99
19 Nut	M16	(2 Pieces)	60.57.02
20 Bolt	M16x110	(2 Pieces)	60.09.11

QR Quick Release
K Keyway

ZV Oval Pull Back Collar

CB Clamp Bolt

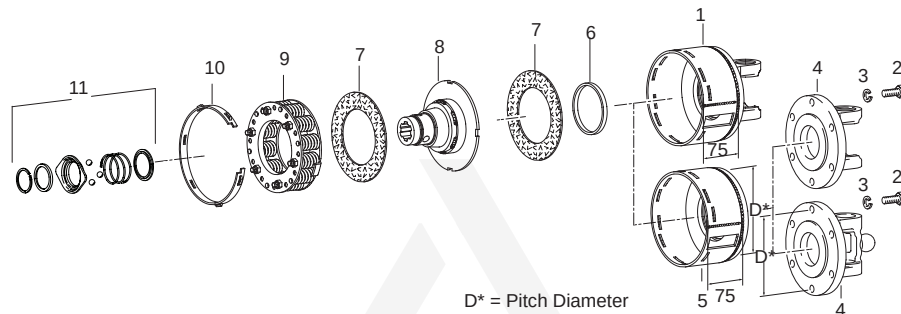
K92 K92/4 TORQUE SETTING CHART

K92 TORQUE SETTING CHART (da Nm)

Torque	20	30	45	55	65	75	90	100	
Part Number	66.16.00	66.09.00	66.10.00	66.09.00	66.09.00	66.09.00	66.10.00	66.10.00	
	-	-	-	66.16.00	66.09.00	66.10.00	66.10.00	66.10.01	

K92/4 TORQUE SETTING CHART (da Nm)

Torque	65	75	80	95	105	120	135	150	165
Part Number	66.16.01	66.16.01	66.16.01	66.16.00	66.09.02	66.10.00	66.09.02	66.09.00	66.09.02
	66.16.01	66.16.00	66.09.02	66.09.00	66.09.00	66.16.00	66.10.00	66.10.00	66.10.01

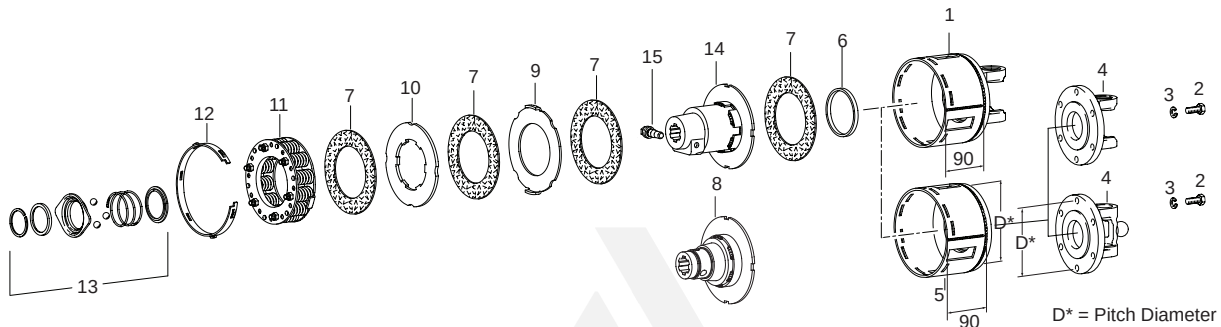
K96 EK96 FRICTION CLUTCH



ITEM	Series / Size	Type	Part Number
1 Housing	2300		21.90.01
	2400		35.90.01
2 Bolt	M10x30		60.05.56
	M12x30		60.06.05
3 Lock Washer	A10		60.82.03
	A12		60.83.02
4 Flange Yoke	2300	D= 118	21.32.03
	2400	D= 138	35.19.02
5 Housing	D = 118		56.39.00
	D = 138		56.39.01

ITEM	Series / Size	Type	Part Number
6 Ring			16.52.06
7 Friction Lining	100 x 157	sintered	56.73.12
	100 x 157		56.73.102
8 Hub	1 3/8x6 ZV		56.30.00
9 Spring Pack	see Chart Page 65		56.35.01
10 Setting Ring			56.36.00
11 Locking Collar Set	Refer Page 74		Agraset 108

K96/4 EK96/4 FRICTION CLUTCH



ITEM	Series / Size	Type	Part Number
1 Housing	2300		21.90.02
	2400		35.90.02
	2500		36.90.02
	2600		26.90.02
2 Bolt	M10x30		60.05.56
	M12x30		60.06.05
3 Lock Washer	A10		60.82.03
	A12		60.83.02
4 Flange Yoke	2300	D= 118	21.32.03
	2400	D= 138	35.19.02
	2500	D= 138	36.19.02
	2600	D= 138	26.15.106
5 Housing		D = 118	56.39.02
		D = 138	56.39.03
6 Ring			16.52.06

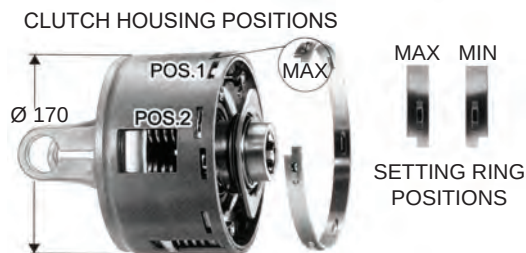
ITEM	Series / Size	Type	Part Number
7 Friction Lining	100 x 157		56.73.12
	100 x 157	Sintered	56.73.102
8 Hub	1 3/8x6 ZV		56.31.00
	1 3/8x21 ZV		56.31.06
9 Drive Plate			56.34.03
10 Drive Plate			56.34.02
11 Spring Pack	Refer Page 65		56.35.01
12 Setting Ring			56.36.00
13 Locking Collar Set	Refer Page 74		Agraset 108
14 Hub	1 3/8x6 CC		56.31.22
	1 3/4x6 CC		56.31.18
	1 3/4x6 CB		56.31.16
	1 3/4x20 CC		56.31.20
15 CC Bolt	1 3/8		65.12.06
Refer Page 74	1 3/4		65.12.08

ZV Oval Pull Back Collar

CB Clamp Bolt

CC Clamp Cone

SPRING PACK (K96 EK96 K96/4 EK96/4)



The TORQUE setting can be modified with the aid of a setting ring and two alternative slots in clutch housing.

- **Setting Ring**
MIN or MAX depending on direction inserted.
- **Clutch Housing**
POS. 1 or POS. 2 depending on slot used
For each Spring pack 4 torque settings are possible.
*Level II is the optimal position.

TORQUE (daNm)

K 96				K 96/4				SPRING PACK MARKING	PART NUMBER
I	II*	III	IV	I	II*	III	IV		
15	20	23	25	35	40	45	50	20/40	56.35.01
26	30	34	38	53	60	68	75	30/60	
35	40	45	50	70	80	90	100	40/80	
-	-	-	-	80	90	105	115	/90	
45	50	58	63	88	100	115	128	50/100	
-	-	-	-	95	110	125	140	/110	
53	60	70	78	105	120	138	153	60/120	
-	-	-	-	120	135	155	173	/135	
65	75	85	95	133	150	173	190	75/150	
-	-	-	-	145	165	190	210	/165	
80	90	103	115	158	180	208	230	90/180	
90	105	118	130	180	210	235	260	105/210	

CLUTCH LEVEL

LEVEL	%	SETTING RING	CLUTCH HOUSING
I	70	MIN	POS.1
II *	80	MAX	POS.1
III	90	MIN	POS.2
IV	100	MAX	POS.2

ZV Oval Pull Back Collar

CC Clamp Cone

SPRING PACK (EK97/4 EK97/6)

CLUTCH HOUSING POSITIONS



The TORQUE setting can be modified with the aid of a setting ring and two alternative slots in clutch housing.

- **Setting Ring**
MIN or MAX depending on direction inserted.
- **Clutch Housing**
POS. 1 or POS. 2 depending on slot used
For each Spring pack 4 torque settings are possible.
*Level II is the optimal position.

Examples of Spring Assembly

- Outer Spring
- ⊙ Outer and Inner Spring
- Inner Spring
- Pressed-in Threaded Stud

EK 97/4				EK 97/6				SPRING PACK MARKING	PART NUMBER
I	II*	III	IV	I	II*	III	IV		
120	135	155	173					135	56.45.00
133	150	173	190					150	
145	165	190	210					165	
158	180	208	230					180	
170	195	225	247					195	
180	210	235	260					210	
-	-	-	-	210	230	260	290	230	
210	240	275	310					240	
237	270	310	350					270	
265	300	345	390					300	

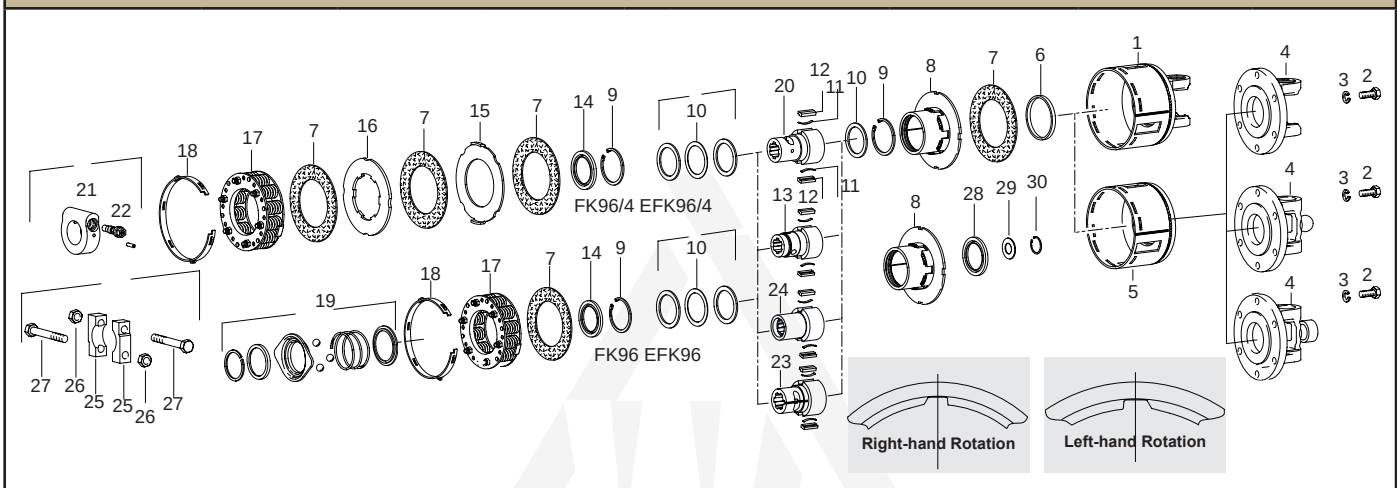
CLUTCH LEVEL

LEVEL	%	SETTING RING	CLUTCH HOUSING
I	70	MIN	POS.1
II *	80	MAX	POS.1
III	90	MIN	POS.2
IV	100	MAX	POS.2

ZV Oval Pull Back Collar

CC Clamp Cone

FK96 EFK96 FK96/4 EFK96/4 COMBINED FRICTION & OVERRUNNING



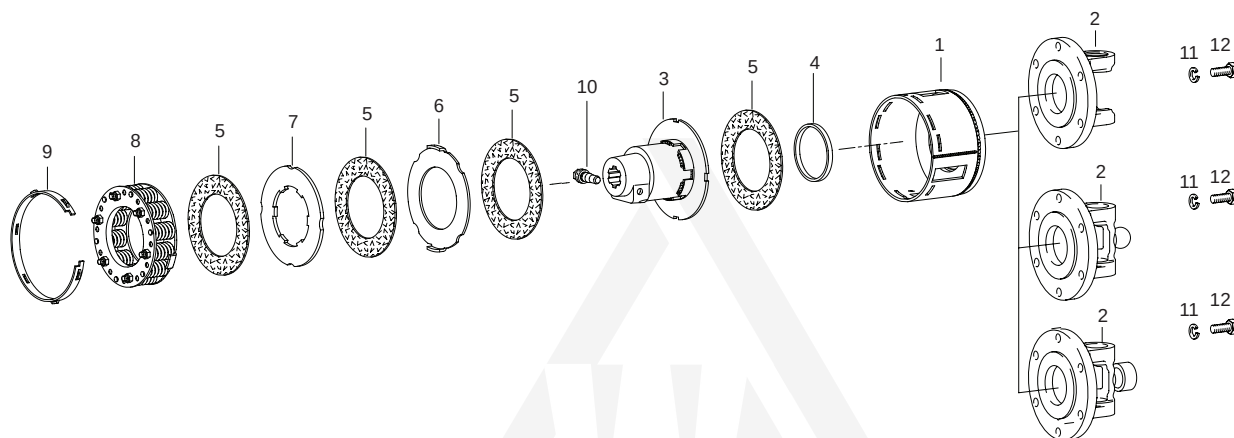
ITEM	Series / Size	Type	Part Number
1 Housing	2300 L=75	FK96	21.90.01
	2400 L=75	FK96	35.90.01
	2500 L=75	FK96	36.90.01
	2400 L=90	FK96/4	35.90.02
	2500 L=90	FK96/4	36.90.02
	2600 L=90	FK96/4	26.90.02
2 Bolt	M10 x 30		60.05.56
	M12 x 30		60.06.05
3 Lock Washer	A10		60.82.03
	A12		60.83.02
4 Flange Yoke	2400	PCD=138	35.19.02
	2500	PCD=138	36.19.02
	2600	PCD=138	26.15.106
5 Housing	D=118 L=75	EFK96	56.39.00
	D=138 L=75	EFK96	56.39.01
	D=138 L=90	EFK96/4	56.39.03
6 Ring			16.52.06
7 Friction Lining	100 x 157		56.73.12
	100 x 157	sintered	56.73.102
8 Housing		RH	58.60.40
		LH	58.60.42
		RH ZS	58.60.53
		LH ZS	58.60.54
9 Retaining Ring			62.14.01
10 Support Ring		for 1 3/8 hubs	16.20.67
		for 1 3/4 hubs	16.20.160
11 Leaf Spring	48x5		66.19.00
12 Key	49.5mm		16.50.25
13 Hub		1 3/8x6 ZV	56.19.37
		1 3/8x21 ZV	56.19.43

ITEM	Details	Part Number
14 Sealing Ring	For 1 3/8x6 - 1 3/4x6 hubs	68.18.02
	for 1 3/4x20 hubs	68.18.03
15 Drive Plate	FK96/4 & EFK96/4	56.34.03
16 Drive Plate	FK96/4 & EFK96/4	56.34.02
17 Spring Pack	Refer page 65	56.35.01
18 Setting Ring		56.36.00
19 Locking Collar Set	Refer Page 74	Agraset 108
20 Hub	1 3/8x6 CC	56.19.63
	1 3/8x21 CC	56.19.72
	1 3/4x6 CC	56.19.65
	1 3/4x20 CC	56.19.70
21 Clamping Ring	for 1 3/8 hubs	65.13.00
	Refer Page 74 for 1 3/4 hubs	65.13.01
22 Bolt	for 1 3/8 hubs	65.12.10
	Refer Page 74 for 1 3/4 hubs	65.12.11
23 Hub	1 3/4x20 CB	56.19.68
24 Hub ZS	1 3/8x6 ZS	56.19.316
	1 3/4x6 ZS	56.19.350
	1 3/4x20 ZS	56.19.177
25 Bridge	for 1 3/4 hubs	16.20.99
26 Nut	M16 for 1 3/4 hubs	60.57.02
27 Bolt	M16x110 for 1 3/4 hubs	60.09.11
28 Sealing Ring		68.09.02
29 Washer	1 3/8	60.79.02
	1 3/4	60.79.01
30 Retainer Ring	1 3/8	62.06.04
	1 3/4	62.20.01

CC Clamp Cone
ZV Oval Pull Back Collar

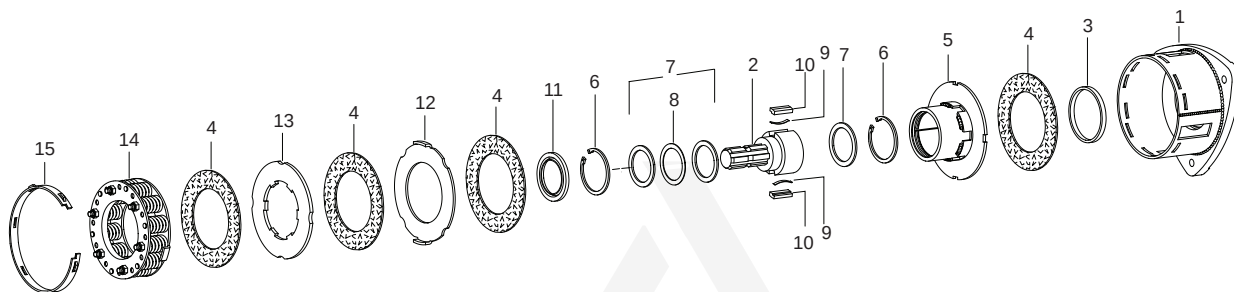
CB Clamp Bolt
RH Right Hand

ZS Inline
LH Left Hand

EK97/4 FRICTION CLUTCH


Item	Series / Size	Type	Part Number
1 Housing	138x12xM12		56.49.02
2 Flange Yoke	STD, 80°, P75°, P80°		
Refer Pages 30-31			
3 Hub	1 3/4x6Spl CC		56.41.04
	1 3/4x20Spl ZS		56.41.100
4 Ring	84.4x92.4x8		16.52.06
5 Friction Lining	120x185x3		56.73.11

Item	Series / Size	Type	Part Number
6 Drive Plate			56.44.03
7 Drive Plate			56.44.02
8 Spring Pack	Refer Page 65		56.45.00
9 Setting Ring			56.46.00
10 Bolt CC	1 3/4		65.12.08
11 Lock Washer	A12	DIN 127	60.83.02
12 Bolt	M12 x 30	DIN 933	60.06.05

PFK96/4 FRICTION OVERRUN / MOUNTING PLATE CLUTCH


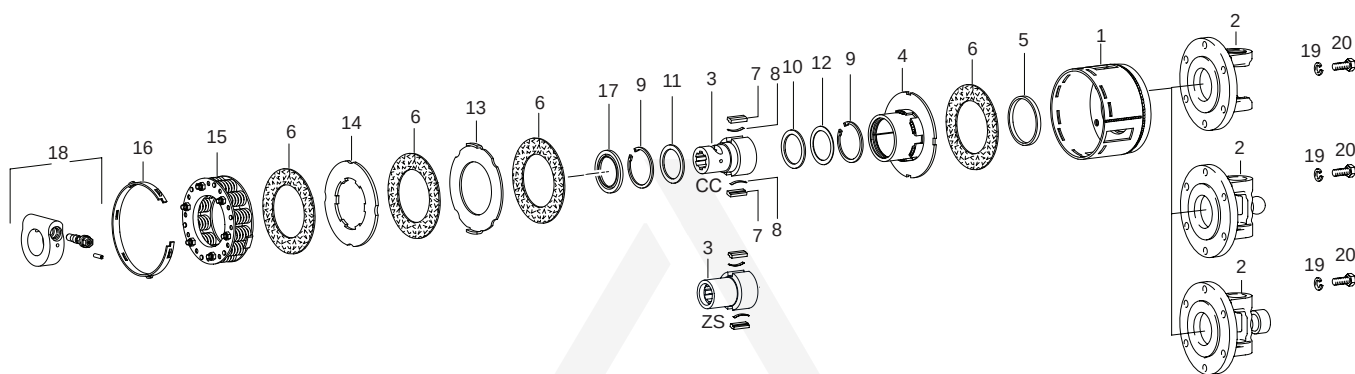
Item	Series / Size	Type	Part Number
1 Housing	203mm		56.39.05
	250mm		56.39.106
	280mm		56.39.108
2 Hub	1 3/8" x 6Spl		56.19.178
	1 3/4" x 6Spl		56.19.170
3 Ring	84.4x92.4x8		16.52.06
4 Friction Lining	100x157x3		56.73.12
5 Housing	RH		58.60.40
6 Retainer	72x2.5	DIN 472	62.14.01

Item	Series / Size	Type	Part Number
7 Support Ring	56x72	DIN 988	16.20.67
8	56x72		Agraset 150
9 Leaf Spring	48x5		66.19.00
10 Key	13x7x49.5		16.50.25
11 Sealing Ring	80x55x6		68.18.02
12 Drive Plate			56.34.03
13 Drive Plate			56.34.02
14 Spring Pack	Refer Page 65		56.35.01
15 Setting Ring			56.36.00

CC Clamp Cone
RH Right Hand

ZS Inline
LH Left Hand

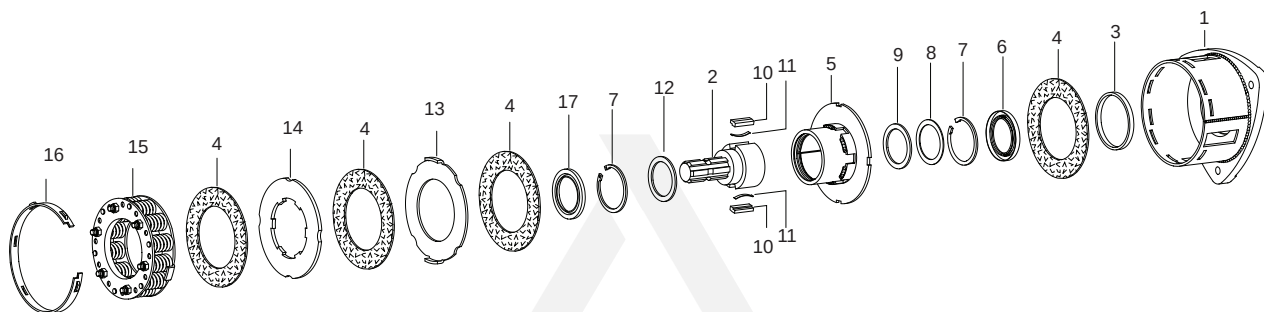
EFK97/4 FRICTION OVERRUN CLUTCH



Item	Series / Size	Type	Part Number
1 Housing	138x12xM12		56.49.02
2 Flange Yoke	STD, 80°, P75°, P80°		
Refer Pages 30-31			
3 Hub	1 3/4x6Spl CC		56.19.65
	1 3/4x20Spl CC		56.19.70
	1 3/4x20Spl ZS		56.19.177
4 Housing		RH	58.60.106
5 Ring	84.5x92.4x8		16.52.06
6 Friction Lining	120x185x3		56.73.11
7 Key	13x7x49.5		16.50.25
8 Leaf Spring	48x5		66.19.00
9 Retainer	72x2.5	DIN 472	62.14.01

Item	Series / Size	Type	Part Number
10 Support Ring	56x72x3	DIN988	16.20.67
11 Support Ring	60x72x3	DIN988	16.20.160
12 Shim	56x72		Agraset 150
13 Drive Plate			56.44.03
14 Drive Plate			56.44.02
15 Spring Pack	Refer Page 65		56.45.00
16 Setting Ring			56.46.00
17 Sealing Ring	80x59x6		68.18.03
18 Locking Device	CC	1 3/4	
Refer Pages 74			
19 Lock Washer	A12	DIN 127	60.83.02
20 Bolt	M12 x 30	DIN 933	60.06.05

PFK97/4 FRICTION OVERRUN / MOUNTING PLATE CLUTCH

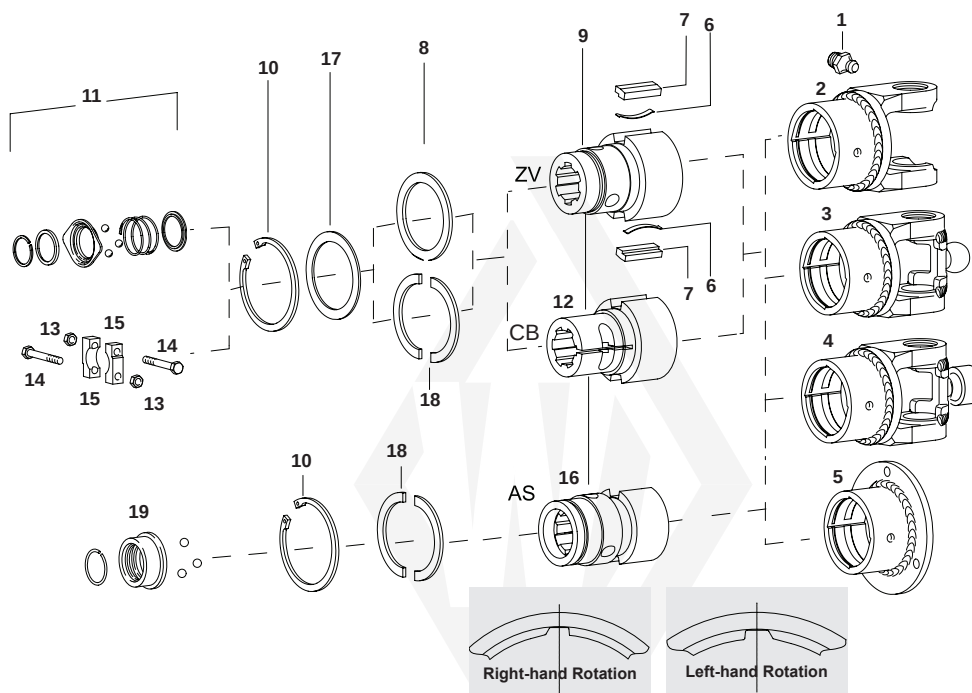


Item	Series / Size	Type	Part Number
1 Housing	240mm		56.49.104
	260mm		56.49.102
	340mm		56.49.105
2 Hub	1 3/4" x 6Spl		56.19.216
3 Ring	84.4x92.4x8		16.52.06
4 Friction Lining	120x185x3		56.73.11
5 Housing	RH		58.60.55
6 Sealing Ring	55x80x8		68.09.02
7 Retainer Ring	72x2.5	DIN 472	62.14.01
8 Agraset 150	56x72		Agraset 150

Item	Series / Size	Type	Part Number
9 Support Ring	56x72x3	DIN 988	16.20.67
10 Key	13x7x61.5		16.50.43
11 Leaf Spring	48x5		66.19.00
12 Support Ring	60x72x3	DIN 988	16.20.160
13 Drive Plate			56.44.03
14 Drive Plate			56.44.02
15 Spring Pack	Refer Page 65		56.45.00
16 Setting Ring			56.46.00
17 Sealing Ring	80x59x6		68.18.03

CC Clamp Cone
RH Right Hand

ZS Inline
LH Left Hand

F5/1 EF5/1 OVERRUNNING CLUTCH (R&L)


ITEM	Series / Size		Type	Part Number
1 Lubricator				63.12.05
2 Housing	2100	RH		55.10.38
	2100	LH		55.10.39
	2200	RH		20.31.44
	2200	LH		20.31.45
	2300	RH		21.31.56
	2300	LH		21.31.60
	2400	RH		35.31.53
	2400	LH		35.31.54
	2500	RH		36.31.26
	2500	LH		36.31.27
3 Housing	2280	RH		20.31.846
	2380	RH		21.31.882
	2380	LH		21.31.881
	2480	RH		35.31.58
	2480	LH		35.31.59
	2580	RH		36.31.353
4 Housing	P480	RH		156026
	P580	RH		36.31.353
5 Housing	EF5/1	RH	101.5x8xM8	56.20.105
	EF5/1	LH	101.5x8xM8	56.20.106
6 Leaf Spring	36mm			66.19.01
7 Key	37.8mm			16.50.35
8 Support Ring	for Hubs 1 3/8			16.20.67
	for Hubs 1 3/4			16.20.160

ITEM	Series / Size		Type	Part Number
9 Hub	1 1/8x6	ZV		56.19.20
	1 3/8x6	ZV		56.19.12
	1 3/8x21	ZV		56.19.13
	25mmx8mm	K		56.19.25
	30mmx8mm	K		56.19.112
	35mmx10mm	K		56.19.136
	40mmx12mm	K		56.19.236
	1 3/8x6	P		56.19.191
10 Retaining Ring	72x2.5	DIN 472		62.14.01
11 Locking Collar Set ZV	Refer to page 74			Agraset 108
12 Hub	1 3/8x6	CB		56.19.14
	1 3/8x21	CB		56.19.16
	1 3/4x6	CB		56.19.15
	1 3/4x20	CB		56.19.19
13 Nut	M12	for Hubs 1 3/8		60.53.03
	M16	for Hubs 1 3/4		60.57.02
14 Bolt	M12x85	for Hubs 1 3/8		60.06.11
	M16x110	for Hubs 1 3/4		60.09.11
15 Bridge			for Hubs 1 3/8	16.20.51
	Refer to page 74		for Hubs 1 3/4	16.20.99
16 Hub	1 3/4x6	AS		56.19.17
	1 3/4x20	AS		56.19.18
17 Shim	56x72x(0.2/0.3)			Agraset 150
18 Support Ring Half	56x72x3	for Hubs 1 3/8		113520
	59.8x72x3	for Hubs 1 3/4		16.20.170
19 Locking Collar Set AS	Refer page 74			Agraset 119

AS Ball Collar

P Pin Hole

RH Right Hand

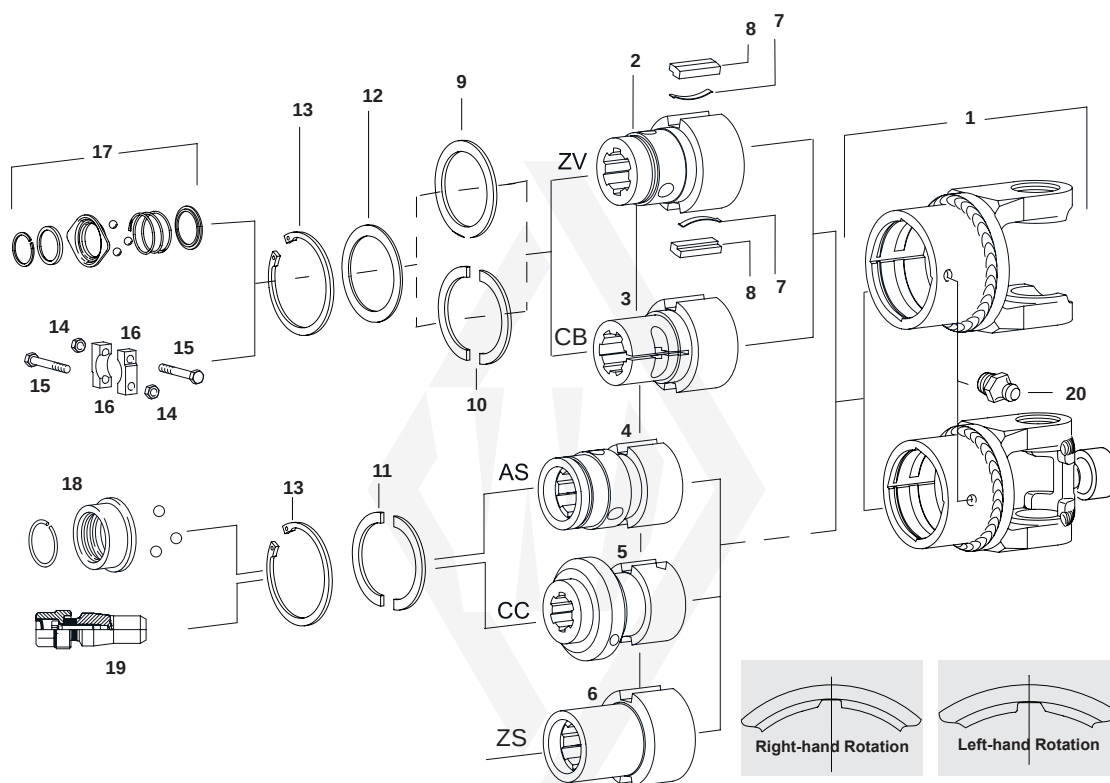
CB Clamp Bolt

ZV Oval Pull Back Collar

LH Left Hand

K Keyway

F5/2 OVERRUNNING CLUTCH (R&L)



ITEM	Series /Size	Type	Part Number
1 Housing	2500	RH	36.31.35
	2500	LH	36.31.36
	2600	RH	26.31.26
	2600	LH	26.31.27
	P675	RH	605199
	P700	RH	27.31.26
	P700	LH	27.31.27
2 Hub	1 3/8x6 ZV		56.19.27
3 Hub	1 3/8x6 CB		56.19.52
	1 3/8x21 CB		56.19.31
	1 3/4x6 CB		56.19.53
	1 3/4x20 CB		56.19.32
4 Hub	1 3/4x6 AS		56.19.29
	1 3/4x20 AS		56.19.30
5 Hub	1 3/8x6 CC		56.19.210
	1 3/4x6 CC H		56.19.69
	1 3/4x20 CC H		56.19.60
6 Hub	1 3/4x6 ZS		56.19.163
7 Leaf Spring	48x5		66.19.00
8 Key	61.5mm		16.50.43

ITEM	Series / Size	Type	Part Number
9 Support Ring	56x72x3	for 1 3/8 Hubs	16.20.67
	59.8x72x3	for 1 3/4 Hubs	16.20.160
10 Support Ring Half	56x72x3	for 1 3/8 Hubs	16.20.159
	59.8x72x3	for 1 3/4 Hubs	16.20.170
11 Support Ring Half	56x72x3	for 1 3/8 Hubs	16.20.159
	59.8x72x3	for 1 3/4 Hubs	16.20.170
12 Shim	56x72		Agraset 150
13 Retaining Ring	72x2.5	DIN 472	62.14.01
14 Nut	M12	for 1 3/8 Hubs	60.53.03
	M16	for 1 3/4 Hubs	60.57.02
15 Bolt	M12x85	for 1 3/8 Hubs	60.06.11
	M16x110	for 1 3/4 Hubs	60.09.11
16 Bridge		for 1 3/8 Hubs	16.20.51
	Refer Page 74	for 1 3/4 Hubs	16.20.99
17 Locking Collar Set ZV		Refer Page 74	Agraset 108
18 Locking Collar Set AS		Refer Page 74	Agraset 119
19 CC Bolt		for 1 3/8 Hubs	65.12.06
		for 1 3/4 Hubs	65.12.08
20 Lubricator	M8.2x1		63.12.05

AS Ball Collar

H Hardened

RH Right Hand

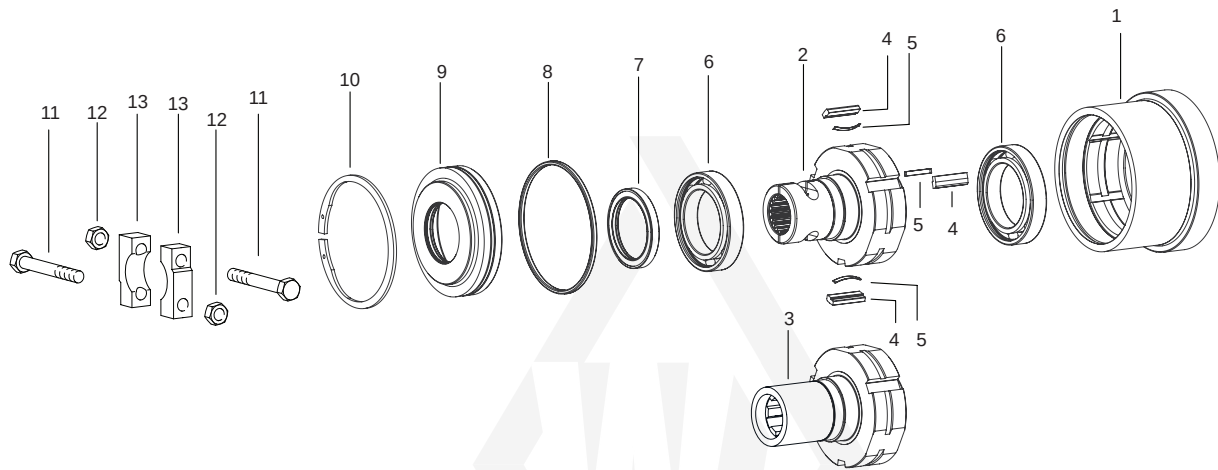
CB Clamp Bolt

ZS Inline

LH Left Hand

CC Clamp Cone

ZV Oval Pull Back Collar

EFB5/3 OVERRUNNING CLUTCH


Item	Series / Size	Type	Part Number
1 Housing	165x8xM12	RH	56.20.32
	165x8xM12	LH	56.20.33
2 Hub	1 3/4" x 6Spl CB H		56.19.357
	1 3/4" x 20Spl CB H		56.19.349
3 Hub	60mm x 28Spl ZS		56.19.347
4 Key	13x7x43.5		16.50.60
5 Leaf Spring	36x5		66.19.01
6 Bearing	6015-2RS C3	DIN 625	136376

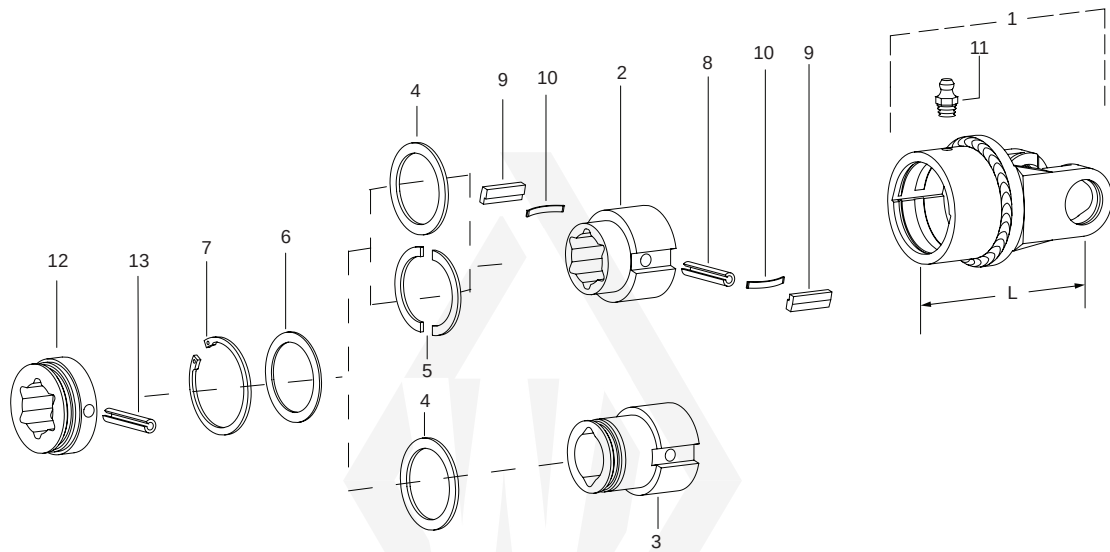
Item	Series / Size	Type	Part Number
7 Sealing Ring	70x90x10		118180
8 O Ring	140x5	70NBR	122363
9 Flange Cover	71x150x33.75		16.50.718
10 Retainer	150x4	DIN 472	364499
11 Bolt	M16x110		60.09.11
12 Nut	M16		60.57.02
13 Clamp Bridge	For 1 3/4" Hub		16.20.99
Refer Page 74			

CB Clamp Bolt
RH Right Hand

ZS Inline
LH Left Hand

H Hardened

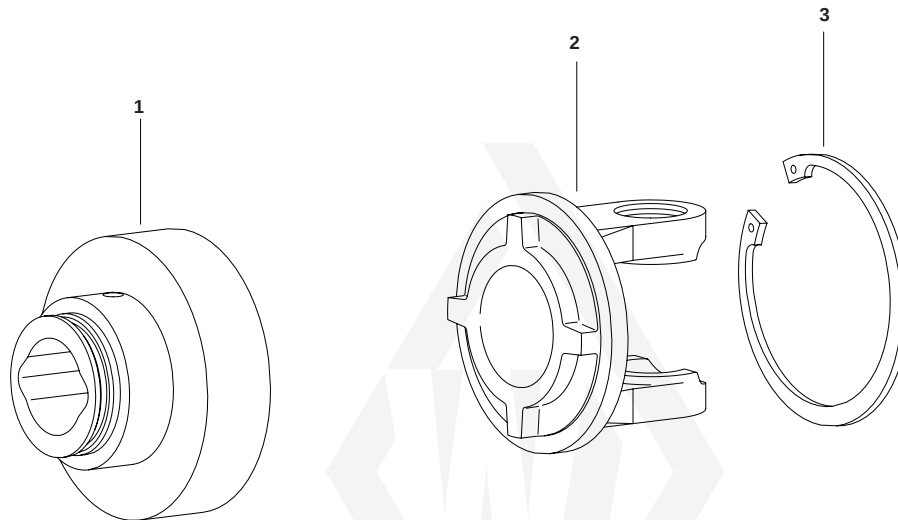
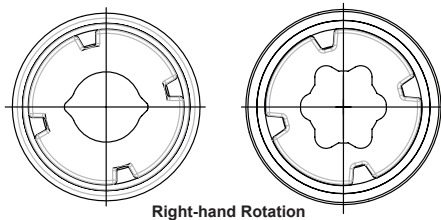
JF5/1- 12 INBOARD OVERRUNNING CLUTCH



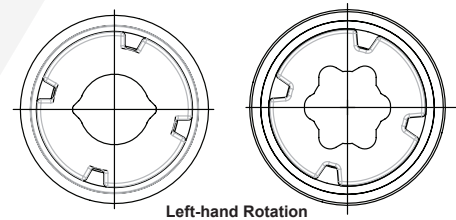
Item	Series / Size	L (mm)	Part Number
1 Housing	2200	97	20.31.130
	2200	97	20.31.129
	2300	107	21.31.62
	2300	107	21.31.61
	2380	107	21.31.882
	2400	115	35.31.127
	2400	115	35.31.27
	2400	115	35.31.129
	2500	124	36.13.123
	2580	124	36.31.141M
2 Hub	1b		56.19.120
	S4		56.19.121
3 Hub	0v		56.19.354
	1		56.19.155

Item	Series / Size	Type	Part Number
4 Support Ring	59.8x72x3	1b/S4	16.20.160
	56x72x3	0v/1	16.20.67
5 Support Ring Half	59.8x72x3	1b/S4	16.20.170
6 Shim	56x72		Agraset 150
7 Retainer	72x2.5		62.14.01
8 Roll Pin	10x55		61.05.02
9 Key	13x7x38		16.50.35
10 Leaf Spring	36x5		66.19.01
11 Lubricator	M8x1		63.12.01
12 Bearing Ring	1b		16.50.107
	S4		16.50.519
13 Roll Pin	8x75		61.04.06



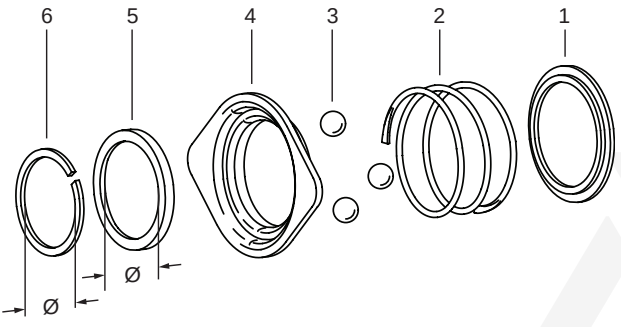
IFM R / L INBOARD OVERRUNNING CLUTCH)

IFM/R (Right Hand Rotation)


Item	Series	Profile	Diameter	Part Number
1 Hub	2200	1	110mm	56.19.275
	2300	1	127mm	56.19.186
	2400 / P400	2a	127mm	56.19.281
	2400 / P400	S5	127mm	56.19.284
	2400	40x36	127mm	56.19.288
	2500	S5	140mm	56.19.293
2 Housing	2200		98mm	20.80.14
	2300 / P300		115mm	21.80.14
	2400 / P400		115mm	35.80.14
	2400 / P400		115mm	35.80.15
	2500 / P500		128mm	36.80.15
3 Retainer	115x4			62.29.00
	128x4			139346

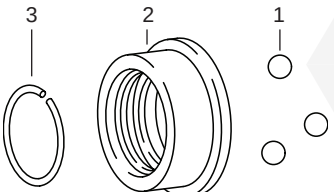
IFM/L (Left Hand Rotation)


Item	Series	Profile	Diameter	Part Number
1 Hub	2200	1	127mm	56.19.298
	2300	2a	127mm	56.19.320
	2400	S5	127mm	56.19.299
	2500	S5	127mm	56.19.310
2 Housing	2200		98mm	20.80.14
	2300		115mm	21.80.14
	2400 / P400		115mm	35.80.14
	2500 / P500		128mm	36.80.15
3 Retainer	100x4			137966
	115x4			62.29.00
	128x4			139346

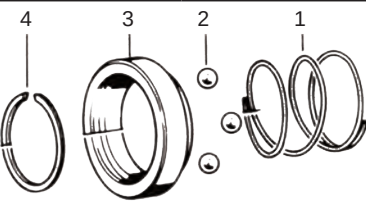
LOCKING COLLAR AGRASET 108 127

	ITEM	Series / Size	Type	Part Number
	1	Backup Ring		16.20.16
	2	Compression Spring		66.01.46
	3	Ball (x3)	Agraset 127 for 1 1/8 Hubs	64.02.00
			Agraset 108 for 1 3/8 Hubs	64.01.02
	4	Lock Collar		65.03.05
	5	Backup Ring		Ø 42
				Ø 50
	6	Snap Ring		Ø 42
				Ø 50

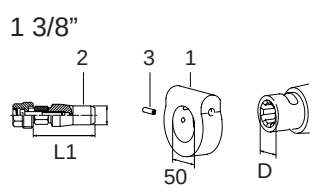
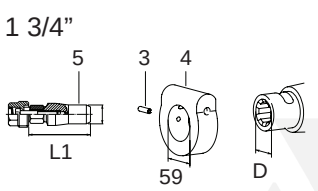
LOCKING COLLAR AGRASET 119

	ITEM	Series / Size	Type	Part Number
	1	Ball (x3)		64.01.16
	2	Lock Collar		not supplied separately
	3	Snap Ring		62.44.00

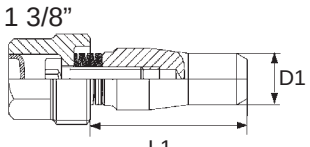
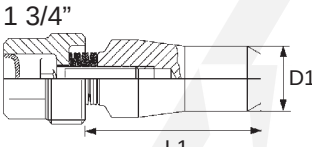
LOCKING COLLAR AGRASET 140 173

	ITEM	Series / Size	Type	Part Number
	1	Compression Spring		66.01.55
	2	Ball (x3)		64.01.00
	3	Lock Collar		not supplied separately
	4	Snap Ring		62.07.04

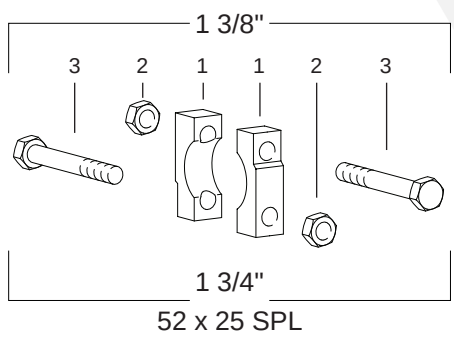
CLAMPING CONE RING VERSION

				Pos	D	D1 (mm)	L1 (mm)	Part Number
				1	1 3/8"	12.5		65.13.00
				2	1 3/8"		48,5	65.12.10
				3				61.03.12
				4	1 3/4"			65.13.01
				5	1 3/4"	15.8	53	65.12.11

CLAMPING CONE

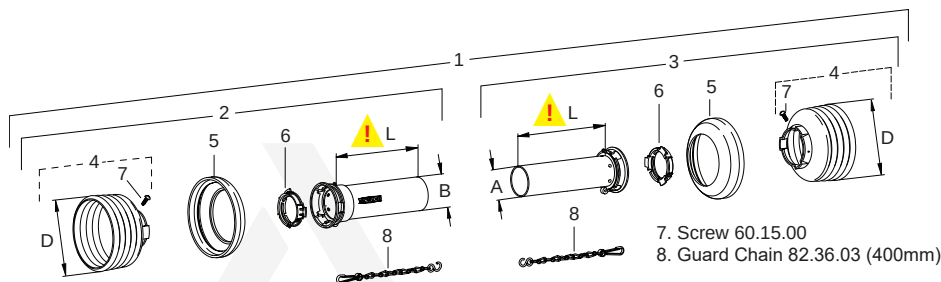
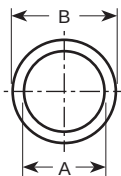
				D (Thread)	D1 (mm)	L1 (mm)	Part Number
				1 3/8"	12.5	38,5	65.12.06
				1 3/4"	15.8	43	65.12.08
				2 1/4"	19.8	100	65.12.13

CLAMPING BRIDGE

		Item	D	Dia	Part Number
		1	1 3/8 Bridge	50	16.20.51
		1	1 3/4 Bridge	59	16.20.99
		1	1 3/4 Bridge	80	16.20.249
		1	52 Bridge	100	16.20.227
		2	M12 Nut		60.53.03
		2	M16 Nut		60.57.02
		2	M20 Nut		415425
		3	M12 Bolt		60.06.11
		3	M16 Bolt		60.09.11
		3	M20 Bolt		156280

[illegible]

SC TYPE COVER SET & COMPONENTS - W CLASS



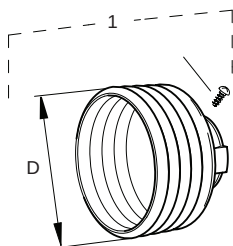
COVER SETS with STANDARD CONE

Series	Cover Type	Cover Tube Dia. (mm)		Cover Set Part Number			Standard Cone	Rib Qty	Collar	Nylon Bearing
		Inner A	Outer B	Complete 1	Outer Half 2	Inner Half 3				
W2100 W2200	SC05	49	55	85.000-L	85.002-L	85.001-L	85.05.04	4	83.10.03	83.09.01
W2200 W2300	SC15	61	68	85.100-L	85.102-L	85.101-L	85.15.05	5	82.85.00	82.83.06
W2300 W2400 W2500	SC25	73	80	85.200-L	85.202-L	85.201-L	85.25.06	6	82.85.00	82.83.04
				85.200B-L	85.202B-L	85.201B-L	85.25.06	6		
							85.26.07	7		
W2300 W2400 W2500	SD25/1	80	87	85.211-L	85.213-L	85.212-L	85.25.06	6	82.85.03	82.83.04
				85.211B-L	85.213B-L	85.212B-L	85.26.07	7		
							85.26.07	7		
W2600	SD35	92	102	85.303-L	85.305-L	85.304-L	85.36.08	8	82.85.06	82.83.07
									82.85.07	



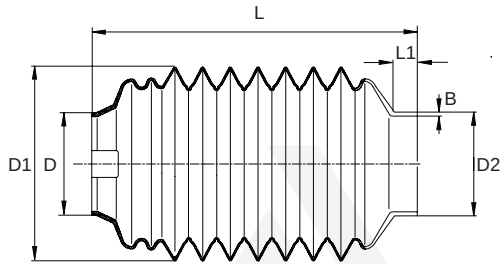
L Specify desired length of cover tube when ordering (mm)

STANDARD CONE

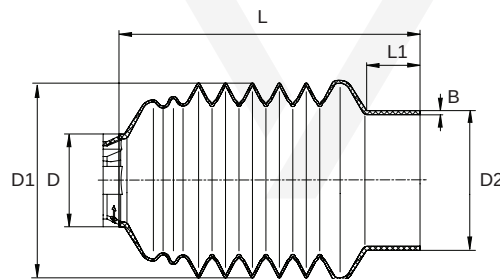


Cover Type	Cone Diameter D	Rib Qty N	Cone Part Number 1
SC05	129	4	85.05.04
SC15	158	5	85.15.05
	158	8	85.15.08
	152	12	85.15.12
SC25 & SD25/1	160	6	85.25.06
	152	12	85.25.12
	185	7	85.26.07
SD35	185	7	85.35.07
	207	8	85.36.08

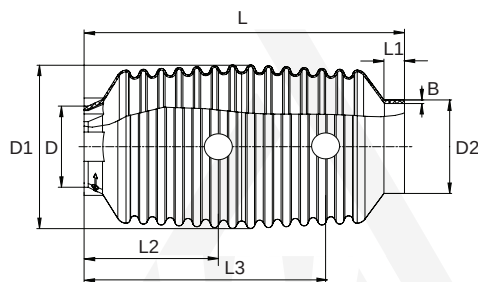
SPECIAL CONES



Series Type	D1	D	D2	B	L	L1	Part Number
SC-05/12	170	62	91	4	282	20	85.06.500
SC-15/12	170	74	91	4	290	20	85.15.500
SC-25/12	170	85	91	3.5	283	20	85.25.602
SC-25/24	170	85	90	3.5	306	17	85.25.500
SC-25/22	194	85	105	3.5	317	20	85.26.500
SC-25	194	85	122	3.5	312	20	85.26.600



Series Type	D1	D	D2	B	L	L1	Part Number
SC-05/22	145	62	104	3	224	40	85.07.502
SC-25/22	194	85	147	3.5	235	45	85.26.504



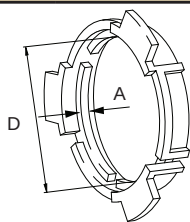
Series Type	D1	D	D2	B	L	L1	L2	L3	Part Number
SC-15/12	160	74	91	3.5	311	20	65	132	85.15.112
SC-15/12	160	74	91	3.5	305	20	65	168	85.15.201
SC-25/12	160	85	91	3.5	312	20	65	183	85.25.200

Note: Other special cones available on request.

COVER BEARINGS, CV BEARINGS & BEARING GROOVE RINGS



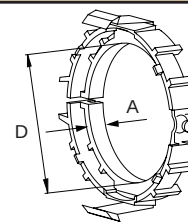
SC Nylon Bearing



PG Nylon Bearing

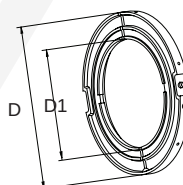


SC/PG Conversion Bearing



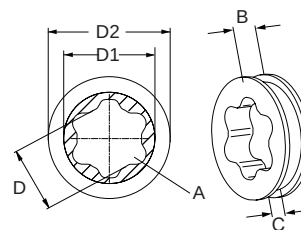
Cover Bearings

Type	Diameter D (mm)	Width A (mm)		Part Number
SC/SD05	42	3		83.09.01
SC/SD15	51	4		82.83.06
SC/SD25	63	4		82.83.04
SC/SD35	82	4		82.83.07
PG20	77	10		86.20.00
PG25	63	4		82.83.120
PG30	95	15		86.30.00



CV Cover Bearings

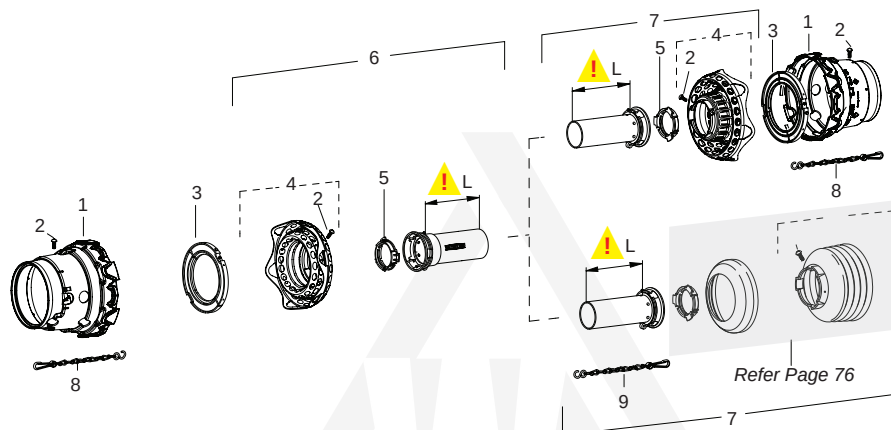
Type	Series	Outside Diameter D (mm)	Inside Diameter D1 (mm)		Part Number
SD05/15	2280	152	106		82.83.12
SD15/25	2380	165	116		82.83.13
SD25	2480/P480	175	121		82.83.14
SD25	2580/P580	190	127		82.83.15
PG20	P675	190	143		82.83.113



Bearing Groove Rings

Type	Profile A	Width B (mm)	Groove C (mm)	D (mm)	D1 (mm)	Outside Diameter D2 (mm)	Part Number
SC05	00a/00c	14	4	25	47	53	16.60.05
SC05	0a	14	4	31	47	53	16.60.06
SC15	0v	14	5	35	50	58	16.33.110
SC15	0v	30	5	35	50	58	16.50.104
SC15	1	14	5	42	62.5	58	16.33.111
SC25	1	14	5	42	62.5	70	16.33.112
SC25	1b	14	5	40	62.5	70	16.33.113
SC25	2a	14	5	48	62.5	70	16.33.114
SC25	S4	14	5	38	62.5	70	16.33.116
SC25	S5	14	5	48	62.5	70	16.33.117
SC35	63*	17	5	Ø63	81	90.5	16.33.122
PG20	S4	21	11	38	75.5	85	16.50.668
PG20	S5	21	11	48	75.5	85	16.50.615
PG20	S5	21	11	48	75.5	85	16.50.615
PG30	70*	22	16	Ø70	93.5	104	16.50.730

* Tube diameter

SC TYPE WIDE ANGLE COVER SET & COMPONENTS - W CLASS

COVER SET COMPONENTS

Series	Cover Type	CV Guard 1	Retaining Screw 2	CV Nylon Bearing 3	Flexo Element 4	PTO Nylon Bearing 5	Outer Half Guard 6	Inner Half Guard 7	CV Guard Chain 8	PTO Guard Chain 9
2280	SC15	85.01.00	60.15.00	82.83.12	85.15.62	82.83.06	85.102-L	85.101-L	82.36.08	82.36.03
2380	SC15	85.01.01	60.15.00	82.83.13	85.15.62	82.83.06	85.102-L	85.101-L	82.36.08	82.36.03
2380	SC25 SC25/1	85.00.04	60.15.00	82.83.13	85.25.62	82.83.04	85.202-L	85.201-L	82.36.08	82.36.03
							85.213-L	85.212-L		
2480	SC25 SC25/1	85.01.02	60.15.00	82.83.14	85.25.62	82.83.04	85.202-L	85.201-L	82.36.08	82.36.03
							85.213-L	85.212-L		
2580	SC25 SC25/1	85.01.03	60.15.00	82.83.15	85.25.62	82.83.04	85.202-L	85.201B-L	82.36.08	82.36.03
							85.213-L	85.212B-L		

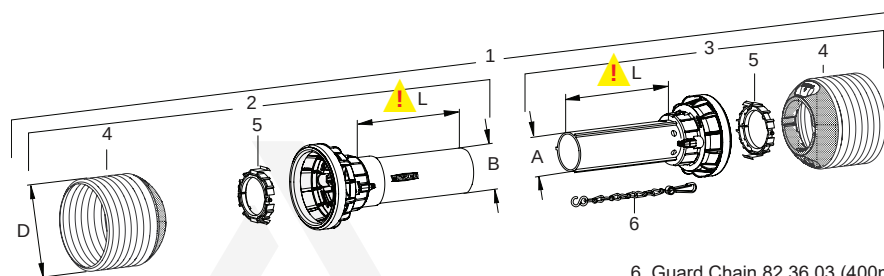
COMPLETE COVER SETS


Series	Cover Type	SC Complete Guard Part Number (Advise Length Required)
WE2280	SC15	85.128E-Length (CV Guard x 1)
WZ2280	SC15	85.128Z-Length (CV Guard x 2)
WE2380	SC15	85.138E-Length (CV Guard x 1)
WZ2380	SC15	85.138Z-Length (CV Guard x 2)
WE2380	SC25	85.238E-Length (CV Guard x 1)
WZ2380	SC25	85.238Z-Length (CV Guard x 2)
WE2480	SC25	85.248E-Length (CV Guard x 1)
WZ2480	SC25	85.248Z-Length (CV Guard x 2)
WE2580	SC25	85.258E-Length (CV Guard x 1)
WZ2580	SC25	85.258Z-Length (CV Guard x 2)



L Specify desired length of cover tube when ordering (mm)

PG TYPE COVER SET & COMPONENTS - P CLASS - POWER DRIVE SHAFT

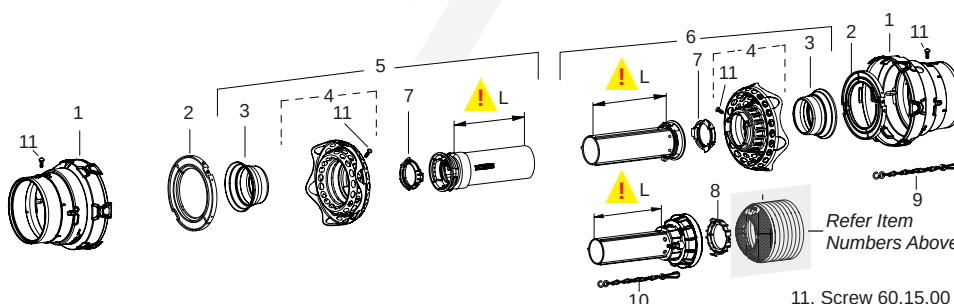


6. Guard Chain 82.36.03 (400mm)

COVER SETS with STANDARD CONE

Series	Cover Type	Cover Tube Dia. (mm)		Cover Set Part Number			Standard Cone			Nylon Bearing
		Inner A	Outer B	Complete 1	Outer Half 2	Inner Half 3	4	Cone Dia. D	Rib Qty	
P300 P400 P500	PG20	79	96	86.200-L	86.202-L	86.201-L	86.24.05 86.24.10	185 180	5 10	86.20.00
P600 P700 P800	PG30	92	115	86.300-L	86.302-L	86.301-L	86.34.08	230	7	86.30.00

PG TYPE WIDE ANGLE COVER SET & COMPONENTS - P CLASS



11. Screw 60.15.00

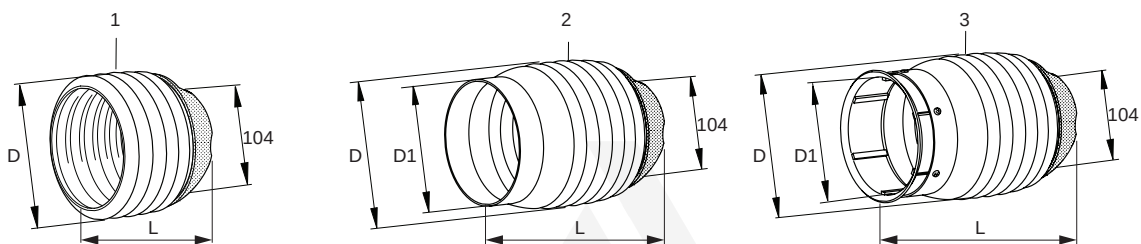
COVER SET COMPONENTS

Series	CV Guard	CV Nylon Bearing	Steel Flexo Support	Flexo Element	Outer Half Guard	Inner Half Guard	PTO SC Nylon Bearing	PTO PG Nylon Bearing	CV Guard Chain (600mm)	PTO Guard Chain (400mm)
	1	2	3	4	5	6	7	8	9	10
P480	85.01.02	82.83.14	-	85.25.62	86.202SC-L	86.201-L	82.83.04	86.20.00	82.36.08	82.36.03
P580	85.01.03	82.83.15	-	85.25.62	86.202SC-L	86.201-L	82.83.04	86.20.00	82.36.08	82.36.03
P675	85.01.03	82.83.113	16.50.711	85.25.62	86.271SC-L	86.301-L	82.83.04	86.30.00	82.36.08	82.36.03

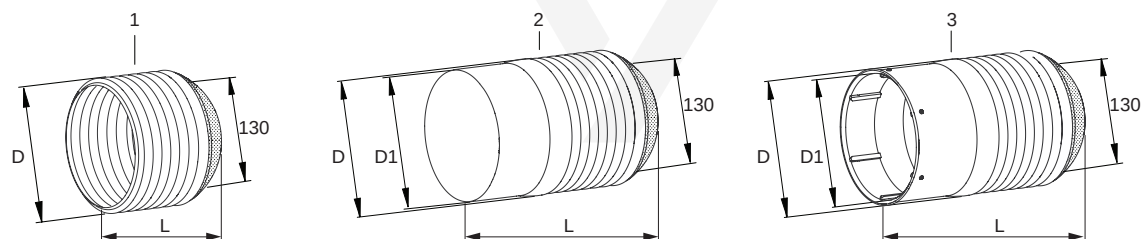
COMPLETE COVER SETS

 PWE Cover Set  PWZ Cover Set	Series	Cover Type	SC Complete Guard Part Number (Advise Length Required)
	PWE480 PWZ480	SPF25/PG20 SPF25/PG20	86.248E-Length (CV Guard x 1) 86.248Z-Length (CV Guard x 2)
	PWE580 PWZ580	SPF25/PG20 SPF25/PG20	86.258E-Length (CV Guard x 1) 86.258Z-Length (CV Guard x 2)
	PWE675 PWZ675	SPF25V/PG30 SPF25V/PG20	86.275E-Length (CV Guard x 1) 86.275Z-Length (CV Guard x 2)

! L Specify desired length of cover tube when ordering (mm)

PG COVER CONES

P300 / P400 / P500

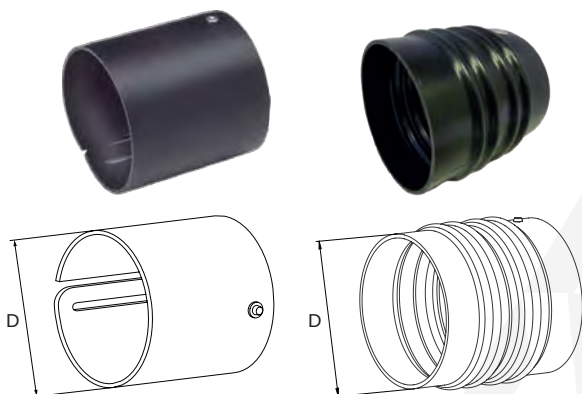
Series Type	Cone Ref#	D	D1	Rib Qty	L	Part Number
PG20	1	185		5	157	86.24.05
PG20	1	180		10	259	86.24.10
PG20SW	2	200	175		312	86.27.60
PG20SW	2	232	223		347	86.28.60
PG20SW	3	200	166		352	86.27.603
PG20SW	3	232	214		387	86.28.603


P480 / P580 / P675

Series Type	Cone Ref#	D	D1	Rib Qty	L	Part Number
PG30	1	230		8	196	86.34.08
PG30SW	2	232	223		362	86.38.60
PG30SW	3	232	214		402	86.38.603

COVER SUPPORTS & SLEEVE

Cover Sleeve



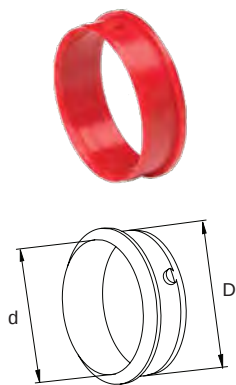
Series Type	Diameter D (mm)	Part Number
SD15	68	80.61.104
SD15	80	80.63.112
SD25/1 (PG20)	92	80.64.102
SD35	99	80.65.101
PG20 / PG25	98	80.64.102A
PG30	135	80.65.104

Metal Support Ring



Series Type	Tube Profile	Diameter D (mm)	Diameter d (mm)	Part Number
SD15Z	1, 1G	51	48.2	16.20.74
SD25Z	2a, 2aG, S5	62	58	16.20.71
SD25Z	S5	62	58	16.20.191
PG20Z	2a, 2aG, S5	66	58	16.20.38
PG20Z	S5	66.3	61	16.20.238

Sliding Ring

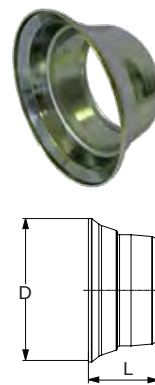


Series Type	Diameter d (mm)	Diameter D (mm)	Part Number
SD15Z*	52	56	82.83.106
SD25Z*	63	68	82.83.107
SD25Z**	62	68	82.83.115
SD35Z*	76	86	82.83.108
PG20-25Z*	67	72.5	82.83.111
PG20-25Z**	62	72.5	82.83.123

* Red

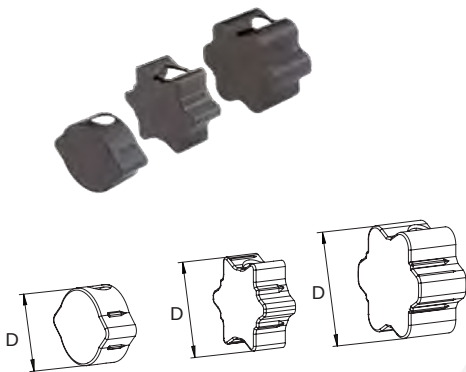
** Green (Suits S5 tube - Metal Support Ring not required)

P675 Cover Insert

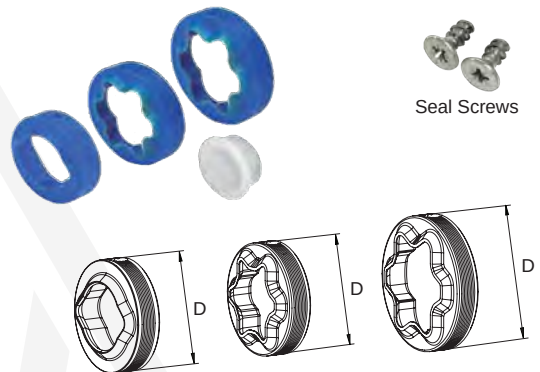


Series Type	Diameter D (mm)	Length L (mm)	Part Number
PG25V	154	75	16.50.711

For P675 Only

TUBE & COVER SUPPORTS
Profile Tube Plugs


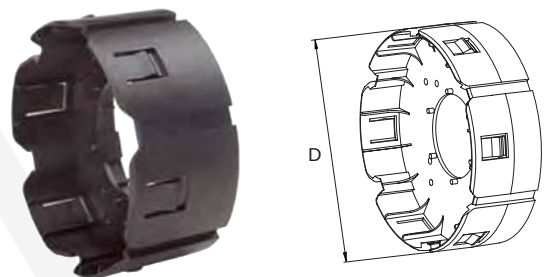
Tube Profile	Diameter D (mm)	Part Number
2a	39.9	68.08.03
S5	51.5	68.08.01
S6	60.8	68.08.02

Profile Tube Seals


Tube Profile	Diameter D (mm)	Part Number
2a	65	68.18.21
S5	65	68.18.23
S6	78	68.18.25
S4		68.13.22
S4LH		68.13.22
Seal Screws	M6X14	60.15.02

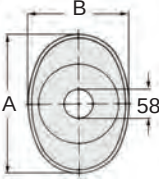
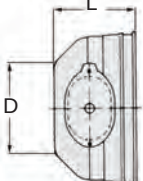
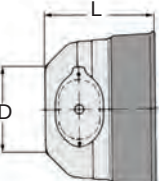
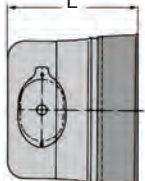
Reinforcing Collar

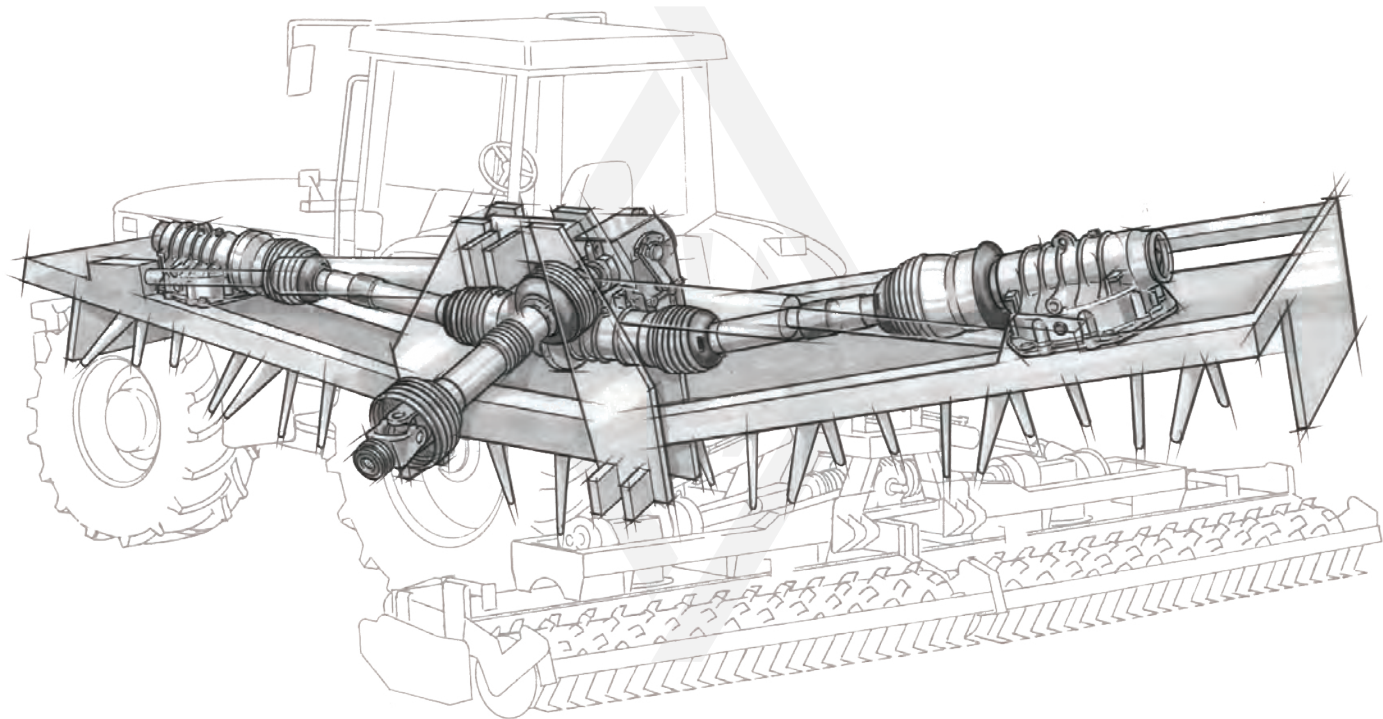

Series Type	Diameter D (mm)	Part Number
SD05	132	83.10.03
SD15/25	165	82.85.00
SD25	191	82.85.03
SD35	218	82.85.07
SD35	200	82.85.06

Cone Adaptor


Series Type	Diameter D (mm)	Part Number
PG20	162	86.26.22
PG20 / 30	211	86.26.23

IMPLEMENT GUARDS

								
A	B	L	D	Part Number	Part Number	Part Number	Part Number	Part Number
mm	mm	mm	mm	Plain	with Access Flap	with Rubber Ext	with Access Flap	with Rubber Ext
230	200	150	150	82.09	82.64			
238	194		165	82.04				
280	200		165	82.03				
	210				82.76			
350	285	180	230			82.73		
		210				82.74		
275	217	150	-				82.37	
275	217	180	-				82.38	
275	217	210	-				82.39	
275	217	270	-					82.50
275	217	300	-					82.72
				Access Flap	82.60.00		Rubber Extension	82.88.06



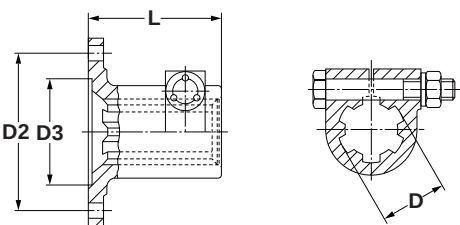
SPLINE ADAPTOR SECTION



SPLINED SLEEVE

	Type	D	D1 mm	L mm	Part Number
	Plain	1 3/8 x 6	50	130	67.40.100
		1 3/8 x 21			67.40.122
		1 3/4 x 6	60	80	67.40.123
		1 3/4 x 20			67.40.209
	Quick Release	25mm x 6	40		67.40.169
		1 3/8 x 6	50	70	16.03.01
	Clamp Bolt	1 3/4 x 6	60	66	16.22.100
		1 3/8 x 6	50	70	16.03.141
		1 3/4 x 6	60	66	16.22.126
		1 3/4 x 20			16.22.130

FLANGED HUB

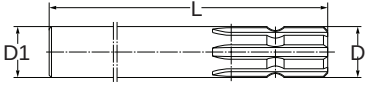
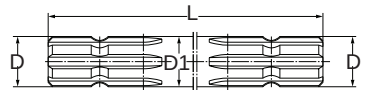
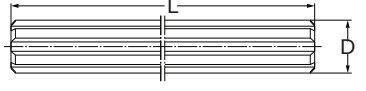
	Type	D	D2 mm	D3 Female (F) or Male (M)	L mm	Part Number
	Quick Release	1 3/8 x 6	84 x 6	57	72	16.01.00
		1 3/4 x 6	101.5 x 6	75		16.16.02
	Clamp Bolt	1 3/8 x 21	84 x 6	57	72	16.01.12
		1 3/4 x 6	101.5 x 6	75	72	16.16.100
NOTE: Customised Flanged Hubs can be made to your Specifications						

SPLINE ADAPTORS

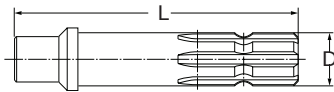
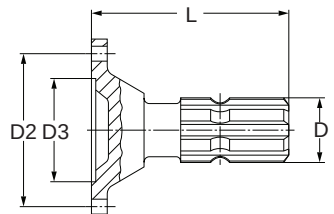
	Type	D Female mm	D1 Male mm	L mm	L1 mm	Part Number
	Clamp Bolt	1 3/8 x 6	1 3/8 x 6	175	75	67.10.154
			1 3/8 x 21			67.10.621CB
			1 3/4 x 20			67.10.231
		1 3/8 x 21	1 3/8 x 6	175		67.10.162
			1 3/4 x 20	180		67.10.233
			1 3/8 x 6	175		67.10.166
	Quick Release	1 3/8 x 6	1 3/8 x 21	168	64	67.10.216
			1 3/8 x 6	175	75	67.10.164
		1 3/8 x 21	1 3/8 x 6	160	60	67.10.221
	Pin Hole (PH)	25 PH	1 3/8 x 6	160	75	67.10.10
		30 PH				67.10.07
		35 PH				67.10.08

Note: Special spline adaptor versions are available on request.

SPLINED SHAFTS

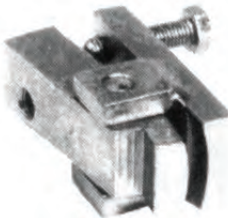
	Type	D mm	L mm	D1 mm	Part Number
	Splined 1 End	1 3/8 x 6	300 & 400	35	67.30.704
		1 3/8 x 21	300	35	67.31.700
		1 3/4 x 6	400	50	67.30.706
		1 3/4 x 20	300	50	67.32.100
	Splined Both Ends	25mm x 6	400	27.5	67.30.701
		1 1/8 x 6	400	30	67.30.703
		1 3/8 x 6	300 & 400	35	67.30.705
		1 3/8 x 21	300	35	67.31.701
		1 3/4 x 6	400	50	67.30.707
	Splined Shaft	42mm x 8 H	Available up to 1m	-	67.38.05
		40mm x 20 H	600	-	67.76.02-600
		52mm x 25 H	670	-	67.78.04-670
		60mm x 28 H	690	-	67.80.01
		1 3/8 x 6	Available Up to 3m	-	67.30.164
		1 3/8 x 21	Available Up to 1m	-	67.30.274
		1 3/4 x 6	Available Up to 1m	-	67.30.122
		1 3/4 x 20	Available Up to 1m	-	67.30.1750/20

STUB SHAFT

	Type	D Male mm	D2 mm	D3 mm	#Holes 8mm Dia	L mm	Part Number
	Stub Shaft	1 3/8 x 6	to suit 1b			165	67.30.438
		1 3/8 x 21	to suit 1b			165	67.31.112
		1 3/4 x 6	to suit S5			155	67.52.124
		1 3/4 x 6	to suit S5			237	67.52.126
		1 3/4 x 20	to suit "Superior" slasher			195	S - 05180
	Flanged Stub Shaft						
		1 3/8 x 6	84	57	6	110	16.09.00
		1 3/8 x 6	101.5	75	8	110	16.09.03
		1 3/8 x 21	84	57	6	90	16.09.09

Note: Special Splined shaft versions are available on request.

TOOLS

Description / Image	Part Number	Description / Image	Part Number
	SW 04		SW 28
Assembly Tool for Overload Ratchet Clutches		Drift Punch Set for UJ Kits	
	SW 18		SW 24
Assembly Tool for Friction Clutches K92-K92/4		Dismantle Tool for Overload Ratchet Clutches	
	SW 22		Agraset 133
Dismantle Tool for W2100-W2200, 6-8 UJ Kits		Walterscheid Mustard Yellow Paint 400g Spray Can	
	SW 32		Agraset 133/1
Dismantle Tool for W2300-W2400, W2500-W2600 UJ Kits		Walterscheid Mustard Yellow Paint 1 ltr Tin	
	SW 27/28		Agraset 147C
Dismantle Tool for P700-P800 UJ Kits		Walterscheid Special Lubricating Grease 500g Cartridge	
	SW 40		Agraset 147
Yoke Press Hydraulic Tube Yoke Puller + Press		Walterscheid Special Grease Lubricating 1kg Tin	

BRANCH LOCATIONS**Victoria**

17-31 Discovery Road, Dandenong South 3175

Email: melbourne@walterscheid.com.au**Web:** www.walterscheid.com.au**Ph:** (03) 9580 7300**Fax:** (03) 9580 0379**New South Wales**

Newcastle	2 Canavan Drive, Beresfield 2322 Email: newcastle@walterscheid.com.au	Ph: (02) 7909 5150 Fax: (02) 7909 5195
Illawarra	13 Glastonbury Avenue, Unanderra 2526 Email: wollongong@walterscheid.com.au	Ph: (02) 4229 2381 Fax: (02) 4226 3016

Queensland

Brisbane	12a Pradella Street, Darra 4076 Email: brisbane@walterscheid.com.au	Ph: (07) 3117 2850 Fax: (07) 3117 2851
Mackay	43 Margaret Vella Drive, Mackay 4740 Email: mackay@walterscheid.com.au	Ph: (07) 4914 2150 Fax: (07) 4914 2199
Townsville	602 Ingham Road, Bohle 4818 Email: townsville@walterscheid.com.au	Ph: (07) 4795 3450 Fax: (07) 4795 3499

South Australia

Adelaide	Unit 2, 479 - 481 South Road Regency Park 5010 Email: adelaide@walterscheid.com.au	Ph: (08) 7088 8980 Fax: (08) 8349 5264
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Tasmania

Hobart	10a Duncan Street, Montrose 7010 Email: hobart@walterscheid.com.au	Ph: (03) 6272 2255 Fax: (03) 6272 0671
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Western Australia

Perth	49 Banksia Road, Welshpool 6106 Email: perth@walterscheid.com.au	Ph: (08) 6189 8050 Fax: (08) 9258 6311
Bunbury	10 Shanahan Road, Bunbury 6230 Email: bunbury@walterscheid.com.au	Ph: (08) 9725 7033 Fax: (08) 9725 7044

