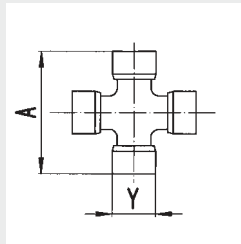


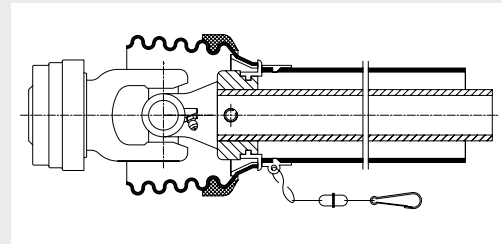
PTO DRIVE SHAFTS FOR AGRICULTURAL MACHINERY



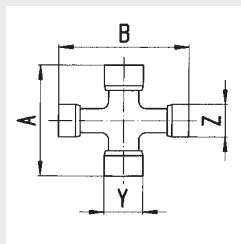
PTO DRIVE SHAFT SIZES – TABLE OF DIMENSIONS



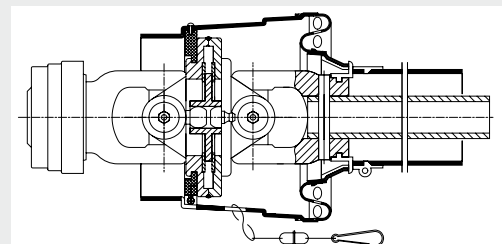
Cross and bearing kit



Standard joint **G**



Cross and bearing kit



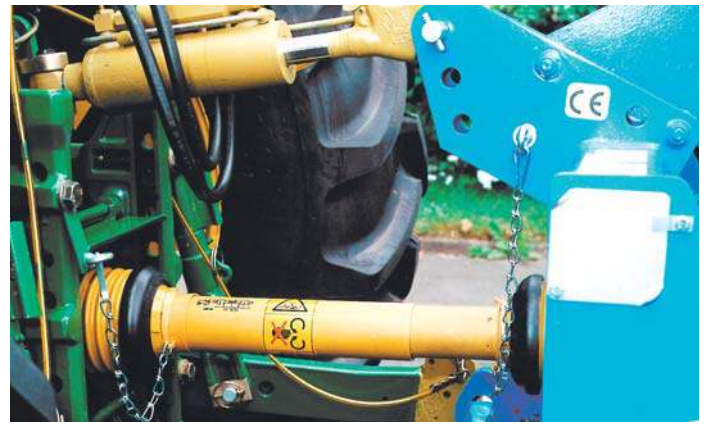
Wide-angle joint 50° **WWG 80°**

Size	A (mm)	Y (mm)	B (mm)	Z (mm)	Swing dia. Ø R (mm)
G 2100	55	22			69
G 2200	61	24			76
WWG 2280	61	24	76	22	142
G 2300	75	27			92
WWG 2380	75	27	91	24	155
G 2400	76	32			95
WWG 2480	76	32	94	27	165
G 2500	89	36			108
WWG 2580	89	36	106	32	180
G 2600	104	42			125
G 2700	118	50			145

COMBINATION OF CLUTCHES AND SIZES

Type	Size	2100	2200 2250 2280	2300 2350 2380	2400 2450 2480	2500 2580	2600	2700
Ratchet clutches								
	K31B	•	•					
	K32B	•	•	•				
	K33B		•	•	•			
	K34B			•	•	•		
Cut-out clutches								
	K61/1		•					
	KB61/20			•	•	•		
	KB61/30						•	
	K64/12-14		•	•	•			
	K64/22-24			•	•	•	•	
Friction clutches								
	K92	•	•	•	•			
	K92/4			•	•	•		
	K94/1	•	•					
	K96			•	•			
	K96/4			•	•	•	•	
	K97/4						•	•
Elastic clutches								
	K65/2			•	•			
	K65/TR2			•				
	K65/TR3			•	•			
	K65/TR4			•	•	•		
	K65/TR5			•	•	•		
	Overrunning clutches							
	F5/1	•	•	•	•	•		
	F5/2					•	•	•
Combined clutches								
	FK96			•	•			
	FK96/4			•	•	•	•	
	PFK96			•	•			
	PFK96/4			•	•	•	•	
	FK97/4						•	•

Data see Technical Manual 410



PTO DRIVE SHAFT SIZES – TABLE OF POWER RATINGS

Basis of calculation:

- 1 Standard joint (G) Joint angle 5° – Life 1000 h
Wide-angle joint (WWG) Joint angle 10° – Life 1000 h
- 2 Standard joint (G) Joint angle 10° – Life 100 h
Wide-angle joint (WWG) Joint angle 18° – Life 100 h

G	Standard joint
WWG 80°	Wide-angle joint 80°

Size	Limit values		Dynamic capacity			
	Ms [Nm] (inlb)	Mp [Nm] (inlb)	1 $\frac{540 \text{ min}^{-1}}{1000 \text{ min}^{-1}}$		2 $\frac{540 \text{ min}^{-1}}{1000 \text{ min}^{-1}}$	
			P [kw] (HP)	Mn [Nm] (inlb)	P [kw] (HP)	Mn [Nm] (inlb)
G 2100	335 (2965)	1100 (9735)	12 (16)	210 (1860)	19 (26)	335 (2965)
			18 (24)	175 (1550)	29 (39)	275 (2430)
G 2200	565 (5000)	1750 (15490)	20 (27)	355 (3140)	32 (44)	560 (4955)
WWG 2280			31 (42)	295 (2600)	49 (67)	465 (4115)
G 2300	840 (7435)	2350 (20800)	28 (38)	500 (4420)	45 (61)	790 (6995)
WWG 2380			44 (60)	415 (3675)	69 (94)	660 (5840)
G 2400	1240 (10975)	3800 (33630)	39 (53)	695 (6150)	62 (85)	1100 (9740)
WWG 2480			61 (83)	580 (5130)	96 (131)	915 (8100)
G 2500	2150 (19030)	6000 (53100)	66 (90)	1175 (10400)	105 (143)	1860 (16460)
WWG 2580			102 (139)	975 (8630)	162 (220)	1545 (13670)
G 2600	2895 (25620)	7800 (69030)	79 (107)	1400 (12390)	125 (170)	2215 (19605)
			122 (166)	1165 (10310)	193 (263)	1840 (16285)
G 2700	4530 (40090)	10600 (93810)	119 (162)	2095 (18540)	188 (256)	3320 (29380)
			182 (248)	1740 (15400)	289 (393)	2760 (24420)

Ms = Pulsating torque Mp = Specifies the static load limit Mn = Nominal torque

TABLE OF DIMENSIONS – TELESCOPIC SECTIONS ALLOCATION – TELESCOPIC SECTIONS/GUARD

Profile tubes														
	00cH/0a		00cGA/0aG		0v/1		0vGA/1G		1b/2a		1bGA/2aG		S4LH/S5	
r [mm]	31	39	31	39	40	48	40	48	49	57,5	49	57,5	51	61
d [mm]	23,5	30	23,5	30	34,5	41	34,5	41	39,5	48	39,5	48	37	47
s [mm]		2,8		2,6	4,0	3,0	4,0	2,7	4,5	4,0	4,5	3,5	6,0	4,5
Guard	SD05		SD05		SD15		SD15		SD25		SD25		SD25	

	Profile tubes				Profile sleeves				
Profiles	S4/S5 S4GA/S5		S5H/S6		25 x 22 (14)	30 x 27 (16)	35 x 31 (18)	40 x 36 (20)	52 x 47 (25)
r [mm]	51	61	61	71,5	40	51	51	62	75
d [mm]	37	47	47	57,5	25	30	35	40	52
s [mm]		4,5	4,5	5,0	50	80	90	100	120
Guard	SD25		SD35		SD05Z	SD15Z	SD15Z	SD25Z	SD35Z

ALLOCATION – PTO DRIVE SHAFT SIZE/TELESCOPIC SECTIONS

	Profile tubes										Profile sleeves					
	00cH/ 0a	00cGA/ 0aG	0v/ 1	0vGA/ 1G	1b/ 2a	1bGA/ 2aG	S4LH/ S5	S4/ S5	S4GA/ S5	S5H/ S6	25x22 (14)	30x27 (16)	35x31 (18)	40x36 (20)	52x47 (25)	
Mp	[Nm] (inlb)	850 (7523)	850 (7523)	1550 (13718)	1550 (13718)	2300 (20355)	2300 (20355)	3000 (26550)	3000 (26550)	3000 (26550)	6000 (53100)	680 (6018)	1035 (9160)	2010 (17790)	3400 (30090)	6000 (53100)
Thrust force torque	$\frac{N^*}{Nm}$	13	8	11	7	9	6	8	6,5	4,5	7,5	7	7	7	7	7
Guard**		SD05	SD05	SD15	SD15	SD25	SD25	SD25	SD25	SD25	SD35	SD05Z	SD15Z	SD15Z	SD25Z	SD35Z
Size	2100	•										•				
	2200	•		•									•			
	2250		•		•											
	2280		•		•											
	2300			•		•								•		
	2350				•		•									
	2380				•		•									
	2400					•		•							•	
	2450							•								
	2480							•								
	2500								•							•
	2580									•						
	2600										•					•
2700															•	

* Lubricated shaft sections

GA = Coated surface for WWE/WWZ

G = Special outer profile for coated inner profile

H = hardened

** Data see Technical Manual 410

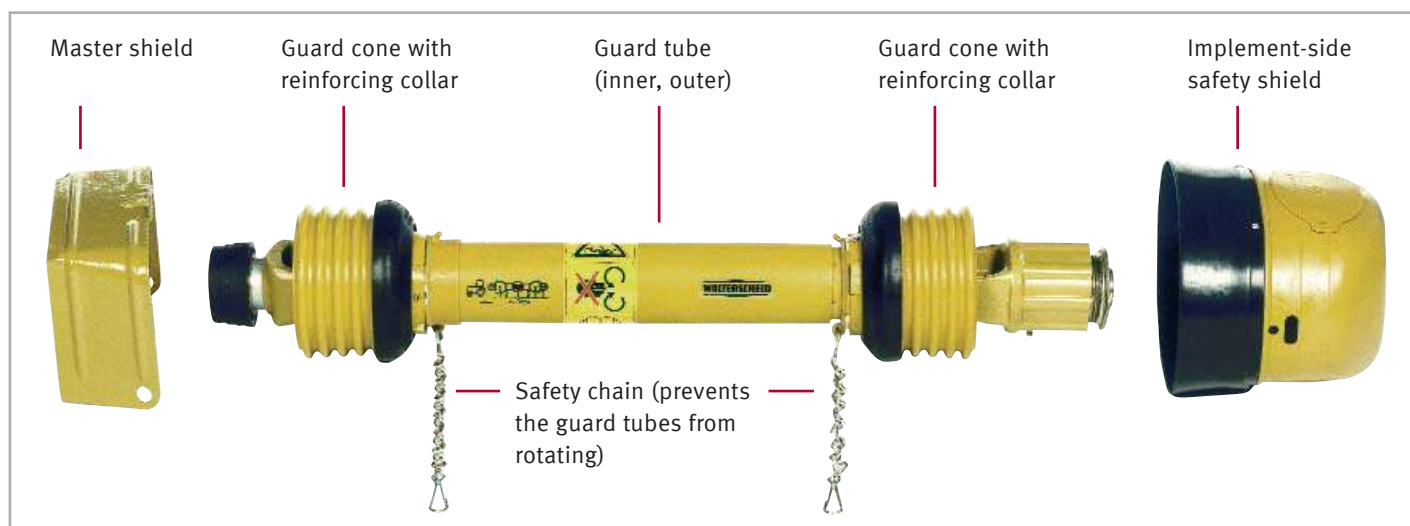
PTO DRIVE SHAFT GUARD

Walterscheid PTO drive shafts are equipped with an integrated PTO drive shaft guard which complies with the international safety regulations.



The different requirements are met by a unit construction system. The guard types available are SC and SD. In comparison to the SC guard, the SD

design satisfies the additional radial loading test requirements according to ISO 5674 and French decree 81293.



WIDE-ANGLE PTO DRIVE SHAFT GUARD SD

Owing to the guard's special position, the joint remains fully protected under any bend angle. Even under large angles, no contact is established with the rotating joint.

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