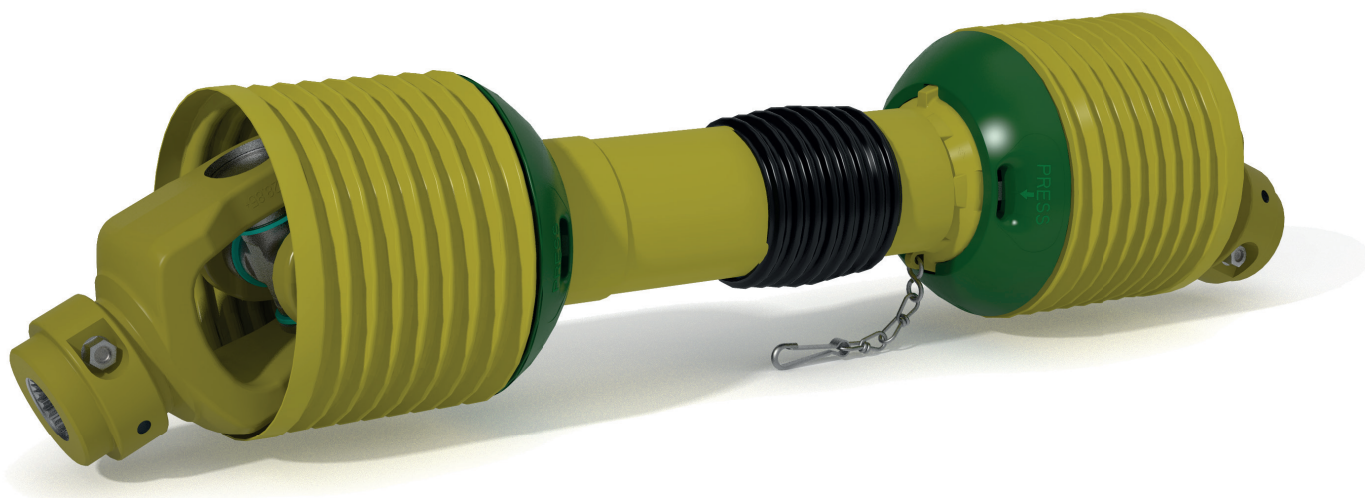


POWER DRIVE PTO DRIVE SHAFT TYPE P 800



PRODUCT INFORMATION

PTO PI1202.2_GB

POWER DRIVE PTO DRIVE SHAFT TYPE P 800

POWER DRIVE PTO DRIVE SHAFT TYPE P 800

Power Drive PTO drive shafts offer more power, state of the art guarding and better handling. They are specially designed for machines in continuous operation and meet the highest requirements, especially of large farmers and contractors.

The P 800 Power Drive PTO drive shaft has been specially developed for use on large tractors with outputs up to 500 hp. It is the first PTO drive shaft to cover this power class.

The P 800 Power Drive PTO drive shaft with PG protection is compatible with the P 700 universal joint shaft in terms of installation space.

It offers all the advantages of the Power Drive PTO drive shaft series. Depending on the application, a maintenance interval of up to 250 hours can be achieved.

Features:

- specially designed for use on large tractors with outputs up to 500 hp
- suitable torque limiter and overrunning device on demand
- easy handling and guarding that exceeds industry standards
- all features of the Power Drive PTO drive shaft series
- also available as full protection version without guard chains

Performance table - cardan shaft size calculation basis:

① Standard joint deflection angle 5° - service life 1000 hrs.

② Standard joint deflection angle 10° - service life 100 hrs.

Size			Limit values				Dynamic capacity			
							①		②	
							540 min ⁻¹ 1000 min ⁻¹ 1300 min ⁻¹		540 min ⁻¹ 1000 min ⁻¹ 1300 min ⁻¹	
	Ms [Nm] (Inlb)	Mp [Nm] (Inlb)	P [kW] (PS)	Mn [Nm] (Inlb)	P [kW] (PS)	Mn [Nm] (Inlb)				
P 800	7500 (66375)	14000 (123900)	159 (217)	2807 (28844)	252 (343)	4449 (39369)				
			244 (332)	2332 (20636)	387 (527)	3700 (32723)				
			286 (388)	2100 (18587)	470 (639)	3455 (30580)				



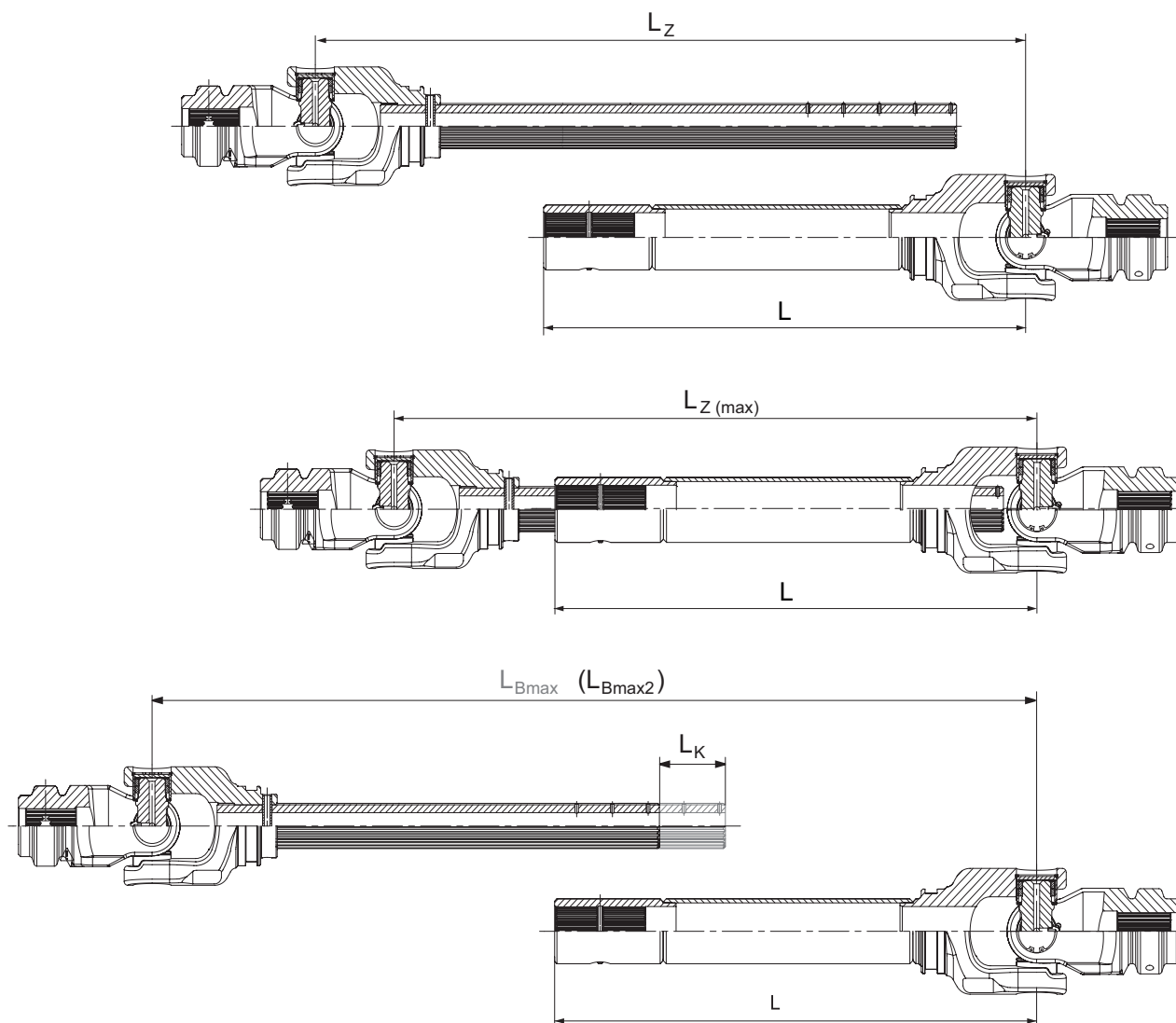
Attention:

For drive ratings above 350 hp, use only Power Take Off (PTO) or Power Input Connection (PIC) ≥ 50 mm in diameter or Type 4 PTO or PIC (2 1/4"(22)). PTO or PIC must correspond to the power according to ISO 500.

PRODUCT INFORMATION

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POWER DRIVE PTO DRIVE SHAFT TYPE P 800 PROFILE LENGTH

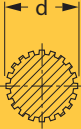
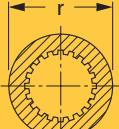
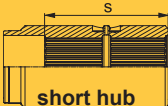
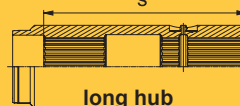


PTO drive shaft length +/- 10 mm (compressed length)	L _z	[mm]	610*	710		860		1010		
Length outer yoke	L	[mm]	385	435		585		685		
PTO drive shaft length (max. extended length)	L _{Bmax}	[mm]	710	860		1160		1410		
shorten PTO drive shaft in 50 mm steps	L _K	[mm]	-50	-50	-100	-50	-100	-50	-100	-150
PTO drive shaft length after shortening (pushed together - shortest configuration)	L _{Zmin}	[mm]	560	660	610	810	760	960	910	860
PTO drive shaft length after shortening (max. pulled apart)	L _{Bmax2}	[mm]	660	810	760	1110	1060	1360	1310	1260

Note: PTO driveshaft with $L_z > 1010$ mm only on request!

*Attention: Shaft yoke with short hub

POWER DRIVE PTO DRIVE SHAFT TYPE P 800

hub profile						
	Profile	d [mm]	r [mm]	s [mm]		guard type
short hub	60x2 (28) H*	60	80	120		PG 30V
long hub	60x2 (28) H*	60	80	195		PG 30V

*H = hardened profile

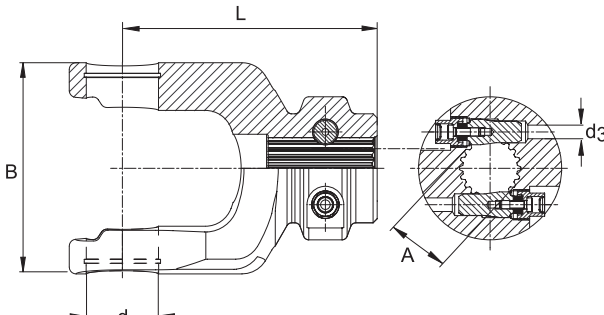
PERFORMANCE TABLE - SLIDING PROFILES

hub profile	Mp		Sliding force/torque (profiles greased)
	[Nm]	(inlb)	[N/Nm]
60x2 (28) H*	10000	88500	5-7

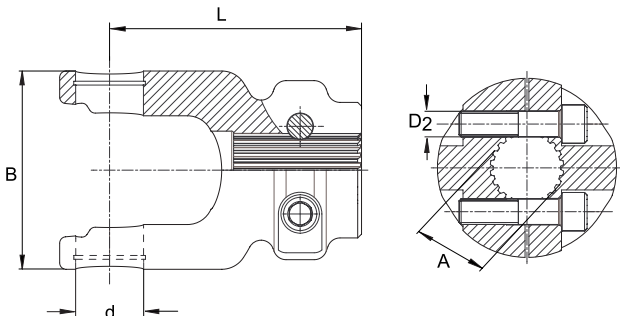
*H = hardened profile

DIMENSION TABLE - CONNECTION YOKES

AGCC - Connection yoke line P with clamping cone locking device

		Size	A	d	B	L	d3
			[Profile]	[mm]	[mm]	[mm]	[mm]
		P800	1 3/4"(20)	53	155	162	12,5
		P800	1 3/4"(20)	53	155	187	12,5
		P800	2 1/4"(22)	53	155	195	12,5

AGKF - Connection yoke line P with clamping screw (from fit)

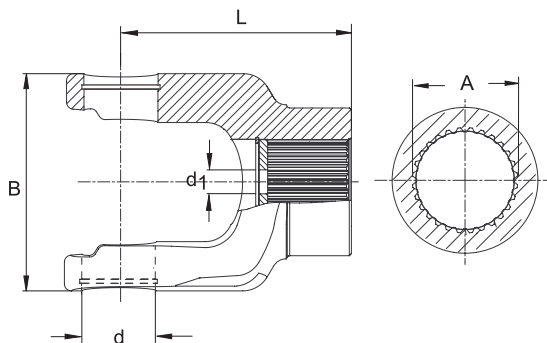
		Size	A	d	B	L	D2
			[Profile]	[mm]	[mm]	[mm]	[mm]
		P800	1 3/4"(20)	53	155	165	M16x70

PRODUCT INFORMATION

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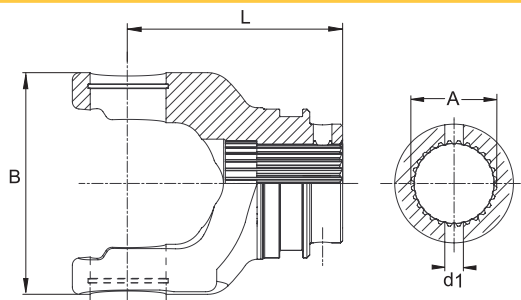
POWER DRIVE PTO DRIVE SHAFT TYPE P 800

NG - Hub type connection yoke line P



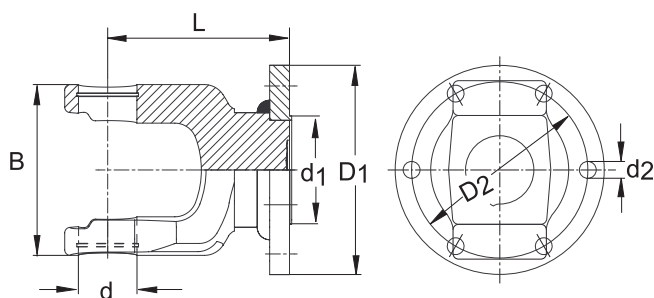
Size	A	d	B	L	d1
	[Profile]	[mm]	[mm]	[mm]	[mm]
P800	60 x 2 (28)	53	155	140	17
P800	60 x 2 (28)	53	155	140	13
P800	60 x 2 (28)	53	155	140	-
P800	60 x 2 (28)	53	155	165	-
P800	60 x 2 (28)	53	155	165	17

RG - inboard yoke line P



Size	A	d	B	L	d1	guard type
	[Profile]	[mm]	[mm]	[mm]	[mm]	
P800	60 x 55	53	155	150	13	PG 30
P800	60 x 55	53	155	175	13	PG 30

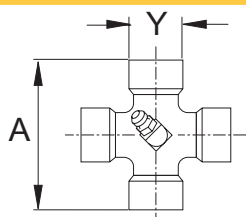
FG - Flange yoke line P



Size	D1	d	B	L	D2	d1	d2	n*
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
P800	180	53	155	142	155,5	110	14	8
P800	180	53	155	167	155,5	110	14	8
P800	190	53	155	142	160	120	16,5	6
P800	190	53	155	142	165	98	12,5	8
P800	190	53	155	167	165	98	12,5	8

* Number of holes (d)

Cross kit

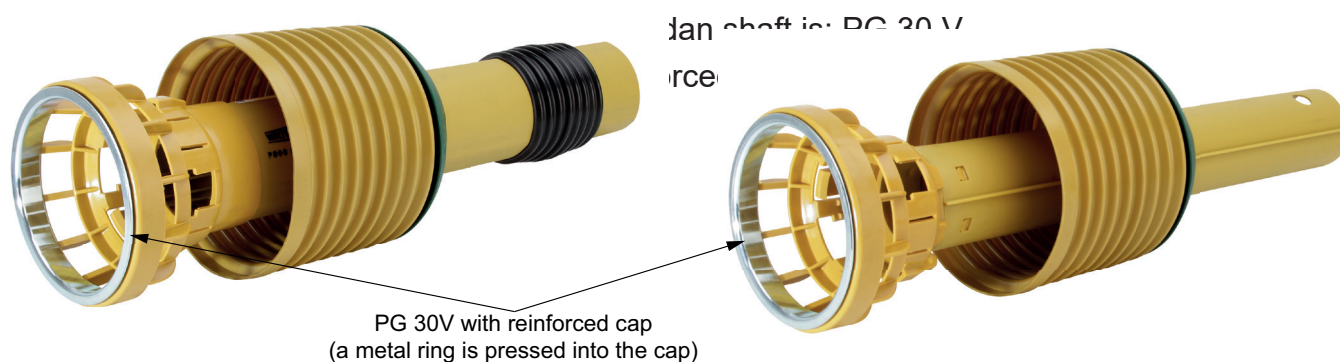


size	A	Y
	[mm]	[mm]
P800	135	53

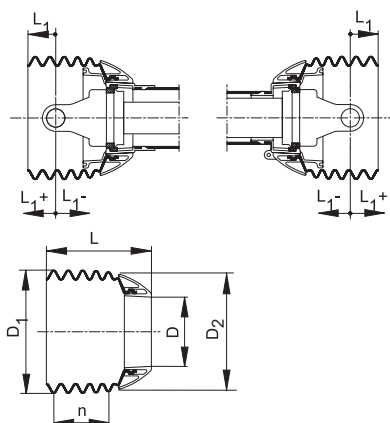
POWER DRIVE PTO DRIVE SHAFT TYPE P 800 TORQUE LIMITERS AND SIMILAR DEVICES

On request only

PTO DRIVE SHAFT GUARD



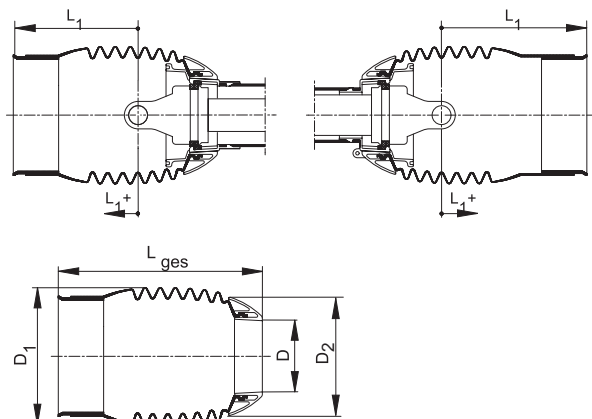
Standard guard cones



PG 30V					
D	D ₁	D ₂	L	L ₁	n*
[mm]	[mm]	[mm]	[mm]	[mm]	
140	230	223	65	-86	1
			85	-66	2
			104	-47	3
			123	-28	4
			141	-10	5
			159	8	6
			177	26	7
140	230	223	196	45	8

* Number of rips

Full guard



PG 30V					
D	D ₁	D ₂	D ₃	L _{ges} **	L ₁ **
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
135	232	223	211	282-402	131-251

** 10 mm steps

PRODUCT INFORMATION

PTO PI1202.2_GB



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