



# Planetary Gear Drives

## PGD SERIES

### TECHNICAL SPECIFICATION

- **Torque range:** 1.000 ÷ 450.000 Nm
- **Transmissible mechanical power:** up to 450 kW
- **Gear ratios range:** 1:3,4 ÷ 1:5.000
- **Input configurations:** flanged axial piston hydraulic motors, hydraulic orbit motors, solid input shaft
- **Gear unit versions:** in line and right angle (with a spiral bevel gear set)
- **Output configurations:** foot and flange mounted
- **Output shafts:** solid with key, splined, splined hollow, hollow with shrink disc
- **Brake:** DC and AC type electric brake; hydraulically released parking brake on request

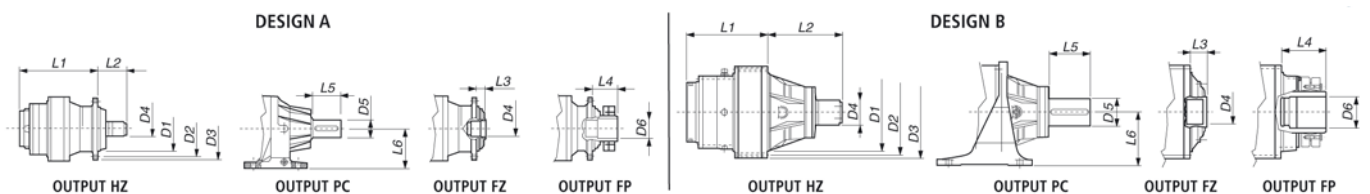
		Model										
		PGD	010	017	025	035	050	085	125	185	250	
<b>Max. torque</b>		Nm	1.000	1.750	2.500	3.500	5.000	8.500	12.500	18.500	25.000	
<b>Max. power</b>		kW	20	30	40	60	75	100	130	150	180	
<b>Max. input speed</b>		rpm	3.000	3.000	3.000	3.000	3.000	2.500	2.500	2.500	2.000	
<b>Range of ratios</b>	<b>Inline</b>		1:3,4 ÷ 1:2.700	1:3,4 ÷ 1:2.700	1:3,6 ÷ 1:2.800	1:3,6 ÷ 1:2.500	1:3,6 ÷ 1:2.800	1:3,6 ÷ 1:2.900	1:3,4 ÷ 1:2.400	1:3,4 ÷ 1:2.400	1:4 ÷ 1:2.500	
			1:7 ÷ 1:700	1:7 ÷ 1:700	1:9 ÷ 1:800	1:9 ÷ 1:700	1:9 ÷ 1:800	1:9 ÷ 1:800	1:9 ÷ 1:700	1:13 ÷ 1:700	1:13 ÷ 1:700	1:40 ÷ 1:900
	<b>Right angle</b>		1:400 ÷ 1:2.300	1:400 ÷ 1:2.300	1:400 ÷ 1:2.400	1:400 ÷ 1:2.400	1:400 ÷ 1:2.400	1:400 ÷ 1:2.400	1:400 ÷ 1:2.600	1:400 ÷ 1:2.500	1:400 ÷ 1:2.500	1:400 ÷ 1:5.000
	<b>Combined with worm gear</b>											
<b>Design</b>			A	A	A	A	A	A	A	B	B	
<b>Dimensions</b>	D1	mm	110	110	150	150	150	200	230	278	340	
	D2		165	165	195	195	195	250	295	314	370	
	D3		185	185	222	222	222	280	325	348	400	
	D4 (DIN 5482)		40x36	40x36	58x53	58x53	58x53	70x64	80x74	80x74	100x94	
	D5		38	50	60	60	60	80	90	100	110	
	D6		42	42	75	75	75	90	100	120	130	
	L1 (2 stages)		168	180	200	212	230	260	300	215	245	
	L2		61	61	83	83	83	130	162	231	290	
	L3		14	14	15	15	15	40	36	82	95	
	L4		50	50	85	85	85	115	120	245	290	
	L5		58	82	105	105	105	130	170	165	210	
L6	100	132	160	160	160	180	200	225	250			

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		Model									
		PGD	350	500	650	800	1050	1500	2000	3000	4500
<b>Max. torque</b>		Nm	35.000	50.000	65.000	80.000	105.000	150.000	200.000	300.000	450.000
<b>Max. power</b>		kW	180	200	225	250	270	300	340	380	450
<b>Max. input speed</b>		rpm	2.000	2.000	2.000	1.500	1.500	1.000	1.000	500	300
<b>Range of ratios</b>	<b>Inline</b>		1:4	1:4	1:4	1:4	1:4,4	1:4	1:4,4	1:4,8	1:4,4
			+	+	+	+	+	+	+	+	+
		1:2.100	1:2.200	1:1.800	1:1.800	1:1.200	1:1.900	1:1.100	1:1.400	1:1.100	
	<b>Right angle</b>		1:18	1:18	1:50	1:70	1:50	1:70	1:200	1:300	1:300
			+	+	+	+	+	+	+	+	+
		1:800	1:800	1:600	1:900	1:600	1:900	1:700	1:800	1:800	
<b>Combined with worm gear</b>		1:400	1:400	1:400	1:400	1:400	1:400	1:400	1:2.500	1:1.000	
		+	+	+	+	+	+	+	+	+	
	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	1:5.000	
<b>Design</b>			B								
<b>Dimensions</b>	<b>D1</b>		358	385	460	460	580	560	700	800	940
	<b>D2</b>		390	415	503	503	625	635	750	880	1.020
	<b>D3</b>		428	445	542	542	670	695	800	940	1.100
	<b>D4 (DIN 5482)</b>		100x94 DIN 5482	120x3 DIN 5482	150x5 DIN 5480	150x5 DIN 5480	170x5 DIN 5480	200x5 DIN 5480	220x5 DIN 5480	260x5 DIN 5480	300x8 DIN 5480
	<b>D5</b>		120	140	160	160	180	200	250	280	340
	<b>D6</b>	mm	135	145	180	180	180	260	220	350	390
	<b>L1 (2 stages)</b>		250	310	370	390	430	470	550	570	595
	<b>L2</b>		320	357	429	429	275	352	340	470	500
	<b>L3</b>		88	81	98	98	145	152	155	210	250
	<b>L4</b>		190	235	260	260	265	318	305	440	440
<b>L5</b>		210	200	240	240	260	260	330	380	540	
<b>L6</b>		280	280	315	315	400	415	500	550	650	

### DRAWINGS



Information contained in this catalogue is accurate as of the publication date and is subject to change without notice. Performance values are typical values. Customers are responsible for selecting products for their applications using normal engineering methods.



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