Planetary gears Series PD

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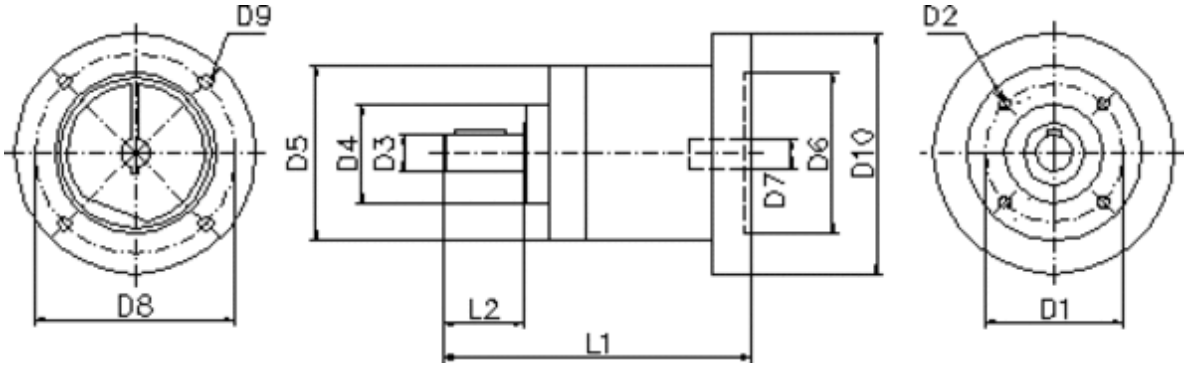
Technical data:

Gear type		PD 040	PD 065	PD 085	PD 120	i	z
Nominal output torque T_{2N}	Nm	4	14	45	90	4	1
		4.5	16	45	110	5	
		4.5	15	43	90	7	
		-	14	35	80	10	
		5	19	55	100	16	2
		5	19	55	100	20	
		5	21	58	110	25	
		5	21	55	100	28	
		5	21	58	110	35	
		-	21	55	100	40	
		-	21	58	110	50	
		-	17	50	95	70	
		-	16	35	85	100	
		5	-	-	-	100	3
		-	21	55	100	120	

		-	21	58	110	200
		-	21	58	110	350
Backlash	arcmin	20'	12'	10'	10'	1 stage
		25'	15'	15'	15'	2 stages
		30'	20'	20'	20'	3 stages
Emergency off torque	T_{2NOT}	2 - double T_{2N}				
Maximum radial load		200	700	2,000	3,000	
Maximum axial load		200	800	1,600	2,800	
Efficiency	%	95	97	96	95	1 stage
		92	94	93	93	2 stages
		87	90	90	90	3 stages
Service life	h	10,000				
Article code		GPD040IXXX	GPD065IXXX	GPD080IXXX	GPD120IXXX	

Dimensions:



PD

Dimensions:

Gear type		PD 040			PD 065			PD 085			PD 120		
Gear stages		1	2	3	1	2	3	1	2	3	1	2	3
D1 Flange hole circle		33			52			70			100		

D2 Thread	4x	M4 x 8			M5 x 10			M6 x 12			M8 x 16		
D3 Shaft diameter	k6	10			14			20			25		
D4 Centring	h7	25			40			55			80		
D5 Housing diameter		40			65			85			120		
D6 Centring for motor		50			60			70			80		
D7 Drilling		9			11			14			19		
D8 Hole circle		65			75			85			100		
D9 Drilling		5.5			5.5			6.6			6.6		
D10 Flange diameter		80			90			105			120		
L1 Total length		88	104	120	115	136	157	147	177	207	181	217	253
L2 Shaft length		23			30			40			50		

All dimensions in mm.

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Druckfehler, Änderungen und Irrtum vorbehalten.