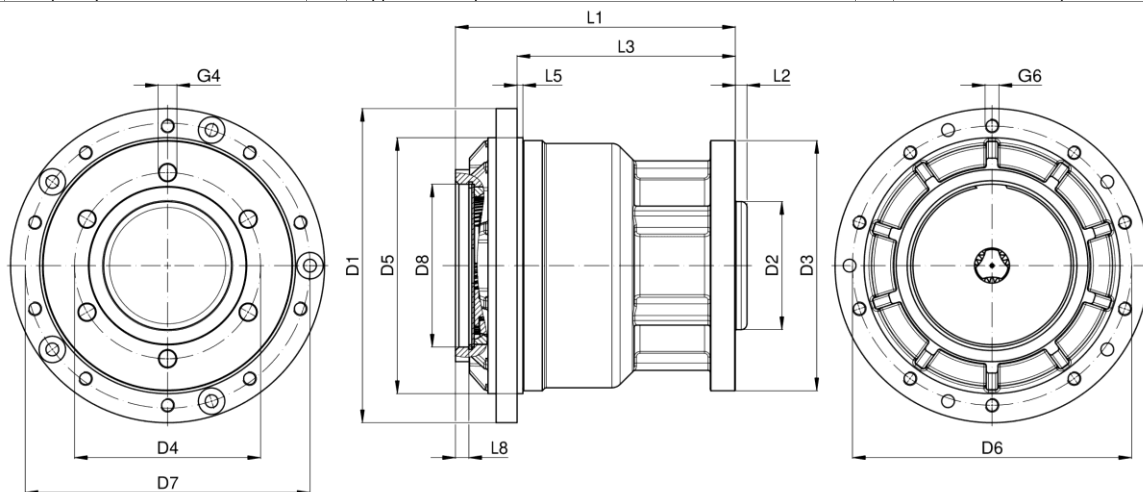


Datasheet PGR 4000

		PGR 4000			
Wheel load		4.500			[kg]
Stages		1	2	3	
Transmission ratio ⁽⁷⁾	i	5	24 32 43*	120* 198* 298*	* Optional decoupling
Efficiency	η	96	94	93	[%]
Mass approx.	m	38	41	44	[kg]
Rated output torque	T _{2N}	1.600			[Nm]
Acceleration output torque	T _{2A}	3.200			[Nm]
Peak output torque ¹	T _{2S}	4.000			[Nm]
Permissible average drive speed ²	n _{1N}	3.000			[min ⁻¹]
Maximum speed ³	n _{1 max}	6.000			[min ⁻¹]
Axial force ⁴	F _{2A max}	9.000			[N]
Radial force ⁴	F _{2R max}	45.000			[N]
Operational lifetime ^{5, 6}	Lh	up to 20.000			[h]
Running noise n ₁ = 3000 min ⁻¹	Lp	<73			[dB(A)]
Direction of rotation – input/output		counterrotating			
Lubrication		lifetime-lubricated			
Installation position		horizontal			
Ambient temperature	T	-20 to +50			[°C]
Max. permissible housing temperature	T	90			[°C]
Protection class		up to IP67 ⁸			
Housing finish		EDP-coated			
Housing color ⁷		similar to RAL 9005			

1	<10 sec.	4	related to the rim flange area at n ₂ =100 min ⁻¹	7	others on request
2	at 20°C ambient temperature	5	related to n ₂ =100 min ⁻¹ , KA=1	8	motor dependent
3	temporary	6	application dependent	9	flat head socket cap screw



		PGR 4000		
Stages		1	2	3
Gearbox dimensions in [mm]				
Outer diameter	D1	270		
Overall length without motor	L1	241		280
Dimensions on the output shaft in [mm]				
Rim centering diameter	D2	110 ⁷		
Rim centering length	L2	10		
Output flange-Ø	D3	215 ⁷		
Housing length (rotating)	L3	188		
Rim pitch circle diameter	D4	160 ⁷		
Rim mounting thread	G4	M16x1,5 (6x) ⁷		
Dimensions on the input shaft in [mm]				
Gearbox centering diameter	D5	220		
Gearbox centering length	L5	5,5		
Gearbox pitch circle diameter	D6	240		
Mounting thread	G6	M12 (10x) ⁷		
Motor pitch circle diameter	D7	245		180 ⁷
Countersunk for ISO 10642 ⁹	to D7	for M10 (5x)		M8 (4x) ⁷
Motor centering diameter	D8	140		100 ⁷
Motor centering length	L8	11,5		6 ⁷
Motor flange accuracy	--	DIN 42955-N		

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