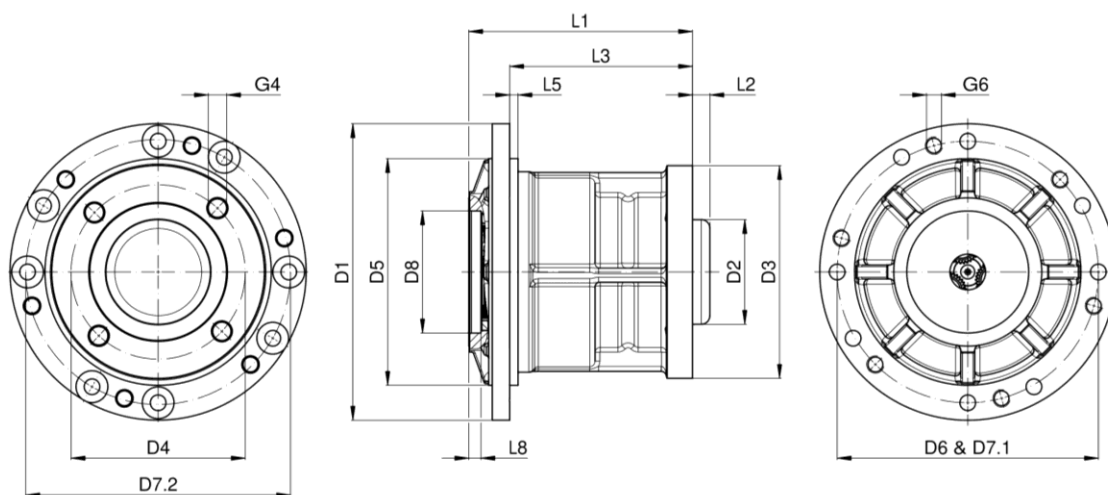


		PGR 500			PGR 700		
Wheel load		700					[kg]
Stages		1	2	3	1	2	
Transmission ratio ⁽⁷⁾	i	4 7	16* 24* 42	96* 144*	4	24	* Optional decoupling
Efficiency	η	96	94	93	96	94	[%]
Mass approx.	m	6,9	7,3	8,4	9,6	7,3	[kg]
Rated output torque	T _{2N}	160			220		[Nm]
Acceleration output torque	T _{2A}	450			500		[Nm]
Peak output torque ¹	T _{2S}	500			650		[Nm]
Permissible average drive speed ²	n _{1N}	3.000			3.000		[min ⁻¹]
Maximum speed ³	n _{1 max}	6.000			6.000		[min ⁻¹]
Axial force ⁴	F _{2A max}	2.500			2.500		[N]
Radial force ⁴	F _{2R max}	7.000			7.000		[N]
Operational lifetime ^{5, 6}	Lh	up to 20.000					[h]
Running noise n ₁ =3000 min ⁻¹	Lp	<65					[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 500 / 700		
Stages		1	2	3
Gearbox dimensions in [mm]				
Outer diameter	D1	170		
Overall length without motor	L1	128		155
Dimensions on the output shaft in [mm]				
Rim centering diameter	D2	60 / 63 ⁷		
Rim centering length	L2	10		
Output flange-Ø	D3	125 ⁷		
Housing length (rotating)	L3	105		
Rim pitch circle diameter	D4	100 ⁷		
Rim mounting thread	G4	M12x1,5 (4x) ⁷		
Dimensions on the input shaft in [mm]				
Gearbox centering diameter	D5	130		
Gearbox centering length	L5	5		
Gearbox pitch circle diameter	D6	150		
Mounting thread	G6	M10 (6x) ⁷		
Motor pitch circle diameter	D7.1 D7.2	150 152	Special ⁷	
Countersunk for ISO 10642 ⁹	to D7	for M8 (each 4x90°)		Special ⁷
Motor centering diameter	D8	70	40	
Motor centering length	L8	5		
Motor flange accuracy	--	DIN 42955-N		

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