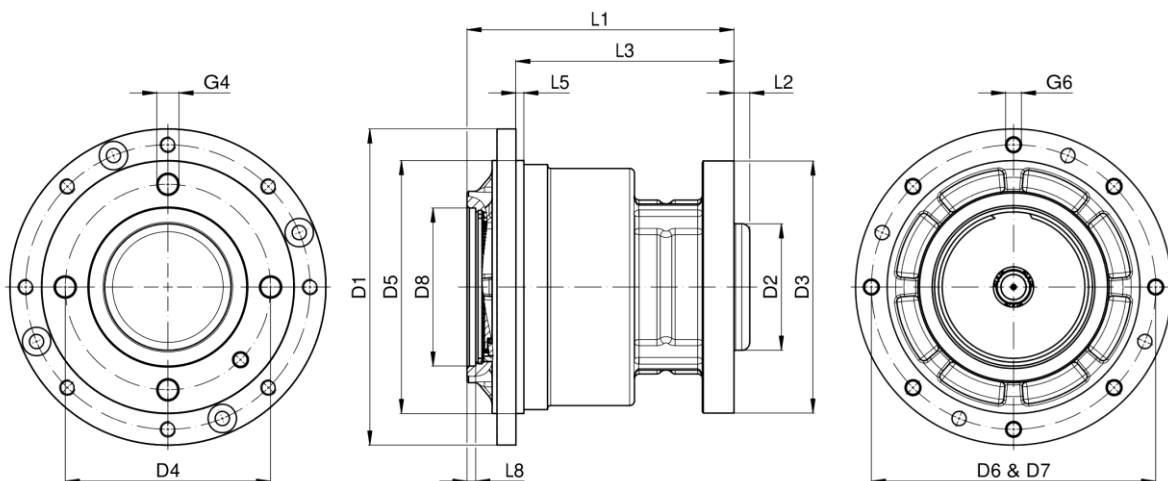


Datasheet PGR 1500

		PGR 1500			
Wheel load		2.100			[kg]
Stages		1	2	3	
Transmission ratio ⁽⁷⁾	i	5 8	25* 40* 64*	100* 150* 240*	* Optional decoupling
Efficiency	η	96	94	93	[%]
Mass approx.	m	14	15,5	17,5	[kg]
Rated output torque	T_{2N}	800			[Nm]
Acceleration output torque	T_{2A}	1.600			[Nm]
Peak output torque ¹	T_{2S}	2.000			[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	$F_{2A \max}$	5.000			[N]
Radial force ⁴	$F_{2R \max}$	21.000			[N]
Operational lifetime ^{5, 6}	Lh	up to 20.000			[h]
Running noise $n_1 = 3000 \text{ min}^{-1}$	Lp	<70			[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 $n_2=100 \text{ min}^{-1}$	7	others on request
2	at 20°C ambient temperature	5	related to $n_2=100 \text{ min}^{-1}$, KA=1	8	motor dependent
3	temporary	6	application dependent	9	flat head socket cap screw



		PGR 1500		
Stages		1	2	3
Gearbox dimensions in [mm]				
Outer diameter	D1	200		
Overall length without motor	L1	169		200
Dimensions on the output shaft in [mm]				
Rim centering diameter	D2	80 / 85 ⁷		
Rim centering length	L2	10		
Output flange-Ø	D3	158 ⁷		
Housing length (rotating)	L3	138		
Rim pitch circle diameter	D4	130 / 140 ⁷		
Rim mounting thread	G4	M14x1,5 (4x / 5x) ⁷		
Dimensions on the input shaft in [mm]				
Gearbox centering diameter	D5	160		
Gearbox centering length	L5	5		
Gearbox pitch circle diameter	D6	180		
Mounting thread	G6	M10 (8x) ⁷		
Motor pitch circle diameter	D7	180	150	
Countersunk for ISO 10642 ⁹	to D7	for M8 (4x) ⁷		
Motor centering diameter	D8	100	70	
Motor centering length	L8	5		
Motor flange accuracy	--	DIN 42955-N		

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