



GEARBOX SPECIFICATION

Reduction Ratio		5 (5.09)
No. of Stages		1
Rated Output Torque	Nm	21.6
Max. Output Torque	Nm	38.2
Rated Input Speed	rpm	3,500
Max. Input Speed	rpm	8,304
Backlash	°	0.53
Efficiency	%	92
Lifetime	h	10,000
Max. Axial Force	N	1,302
Max. Radial Force (shaft middle)	N	516
Gearbox Inertia	kg m ²	3.4x10 ⁻⁶
Ambient Temperature	°C	-15 ... 90
Protection Class		IP54

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715		Weight: 0.55 kg		
REV	Rev. Text	Name	Rel. Date	Date	Name	GP56-S1-5-SR				
				Drawn	23.05.2019					Naubert_A
				Checked	24.05.2019					Naubert_A
				Approved	24.05.2019	Naubert_A	12200054		Scale: 1 : 1	
				Nanotec PLUG & DRIVE		State: Released		Rev: -	P	