Engineering data		
Ratio	8	
Number of stages	1	
Rated output torque	5	Nm
Cycling output torque	6	Nm
Max output torque	9.5	Nm
Emergency output torque	27	Nm
Rated input speed	5000	rpm
Max input speed	18000	rpm
Efficiency*	96	%
Operating temperature	<-25; 90>	°C
Backlash	< 15	arcmin
Service life	20000	h
Running noise	58	dB(A)
Torsional stiffness	1.00	Nm/arcmin

** at rated speed & torque*

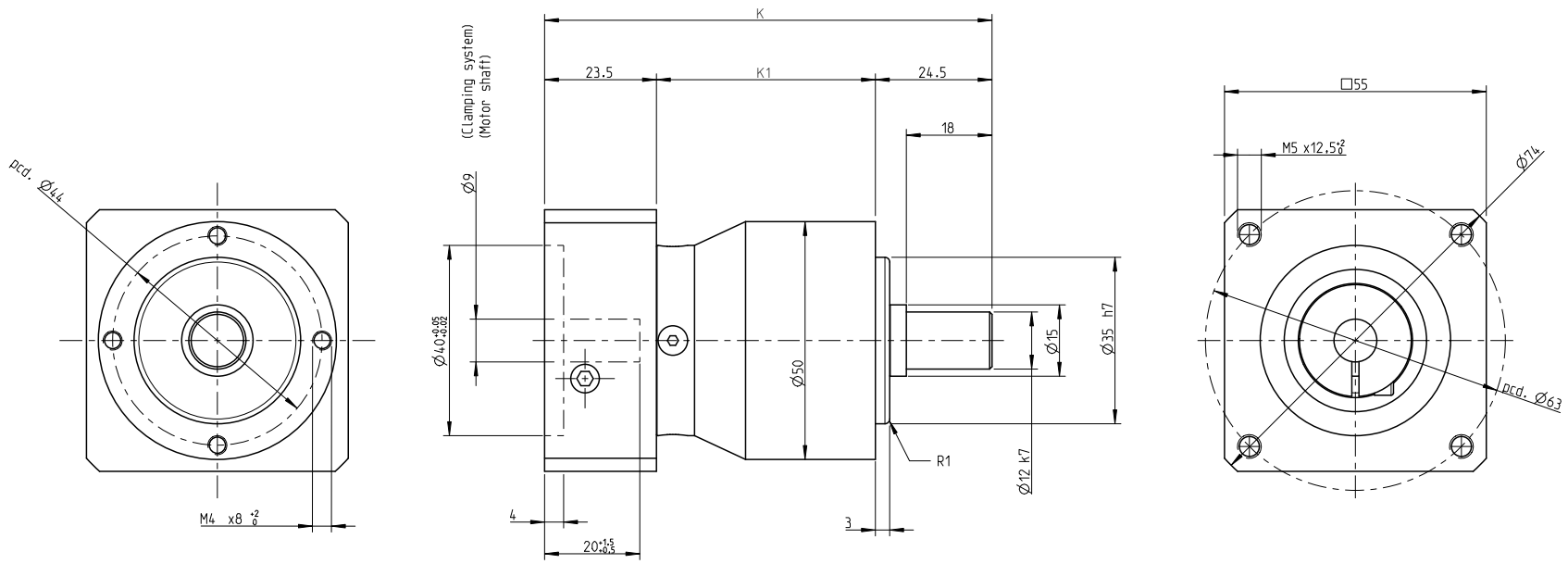
Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

Customs info	
HS Code	84834090

Mechanical data		
Radial force for 20'000h*	800	N
Radial force for 30'000h*	700	N
Max. radial force*	1300	N
Axial force for 20'000h	1000	N
Axial force for 30'000h	800	N
Max. axial force	1000	N
Protection	IP54	
Input inertia	0.02	kgcm2
Mass	0.62	kg
Tilting moment for 20'000h	26	Nm
Tilting moment for 30'000h	22	Nm
Max. bending moment	4	Nm
Output shaft design	Smooth shaft	

** Defined for point of action at ½ output shaft length*

Supported motors		
Motor types	TGN2, TGT2, TGH2	
Clamping diameter	9	mm
Input flange	Motor adaptation - one part	
Installation position	Any	



NO OF STAGES	K	K1
I. stage	94	46
II. stage	106,5	58,5

INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
ROZM. ZAŘ.				ČSN	TŘ.Č.
VYPR.		NORM. REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.
NÁZEV					
Gearbox SG050				TGN2, TGH2, TGT2	
				Listů	List