Engineering data		
Ratio	25	
Number of stages	2	
Rated output torque	11	Nm
Cycling output torque	13	Nm
Max output torque	20	Nm
Emergency output torque	36	Nm
Rated input speed	5000	rpm
Max input speed	18000	rpm
Efficiency	94	%*
Operating temperature	<-25; 90>	°C
Backlash	< 19	arcmin
Service life	20000	h
Running noise	58	dB(A)
Torsional stiffness	1.05	Nm/arcmin

** at rated speed & torque*

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	0.77	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*

Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

Customs info	
HS Code	84834090

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

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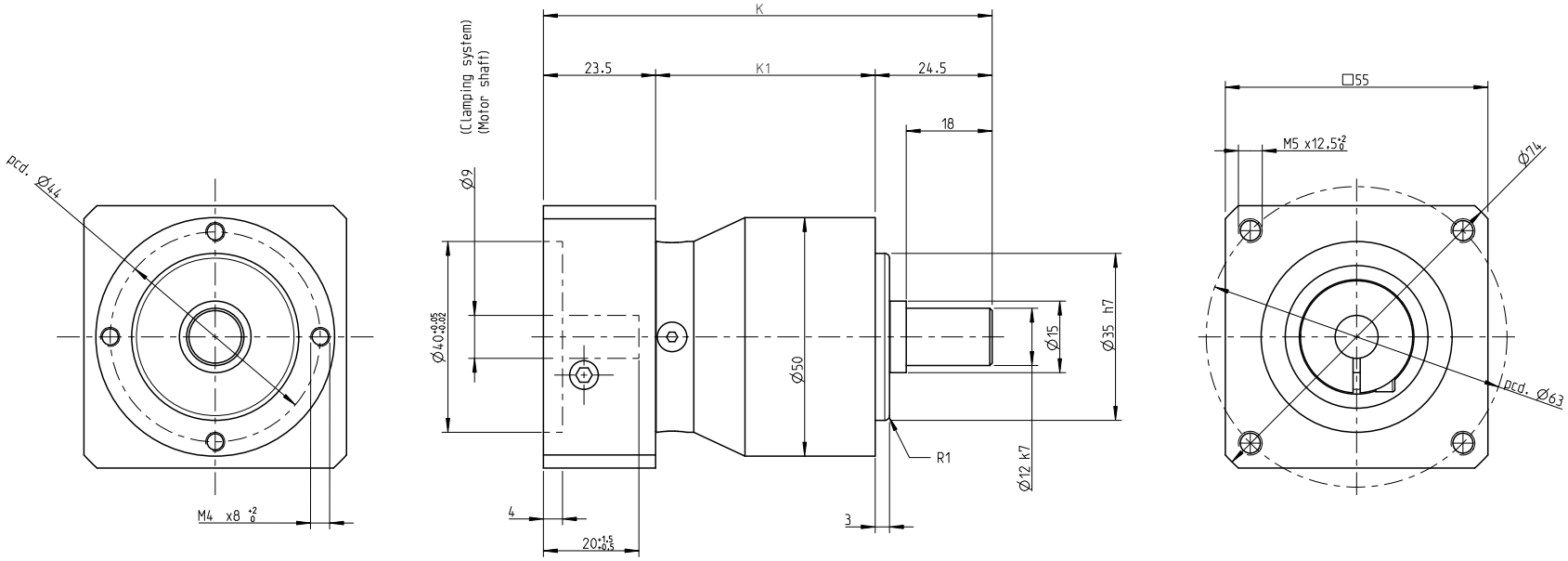

NO OF STAGES	K	K1
I. stage	94	46
II. stage	106,5	58,5

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