Engineering data		
Ratio	12	
Number of stages	2	
Rated output torque	680	Nm
Cycling output torque	800	Nm
Max output torque	1280	Nm
Emergency output torque	1600	Nm
Rated input speed	1850	rpm
Max input speed	6500	rpm
Efficiency*	96	%
Operating temperature	<-25; 90>	°C
Backlash	< 9	arcmin
Service life	20000	h
Running noise	58	dB(A)
Torsional stiffness	75.00	Nm/arcmin

** at rated speed & torque*

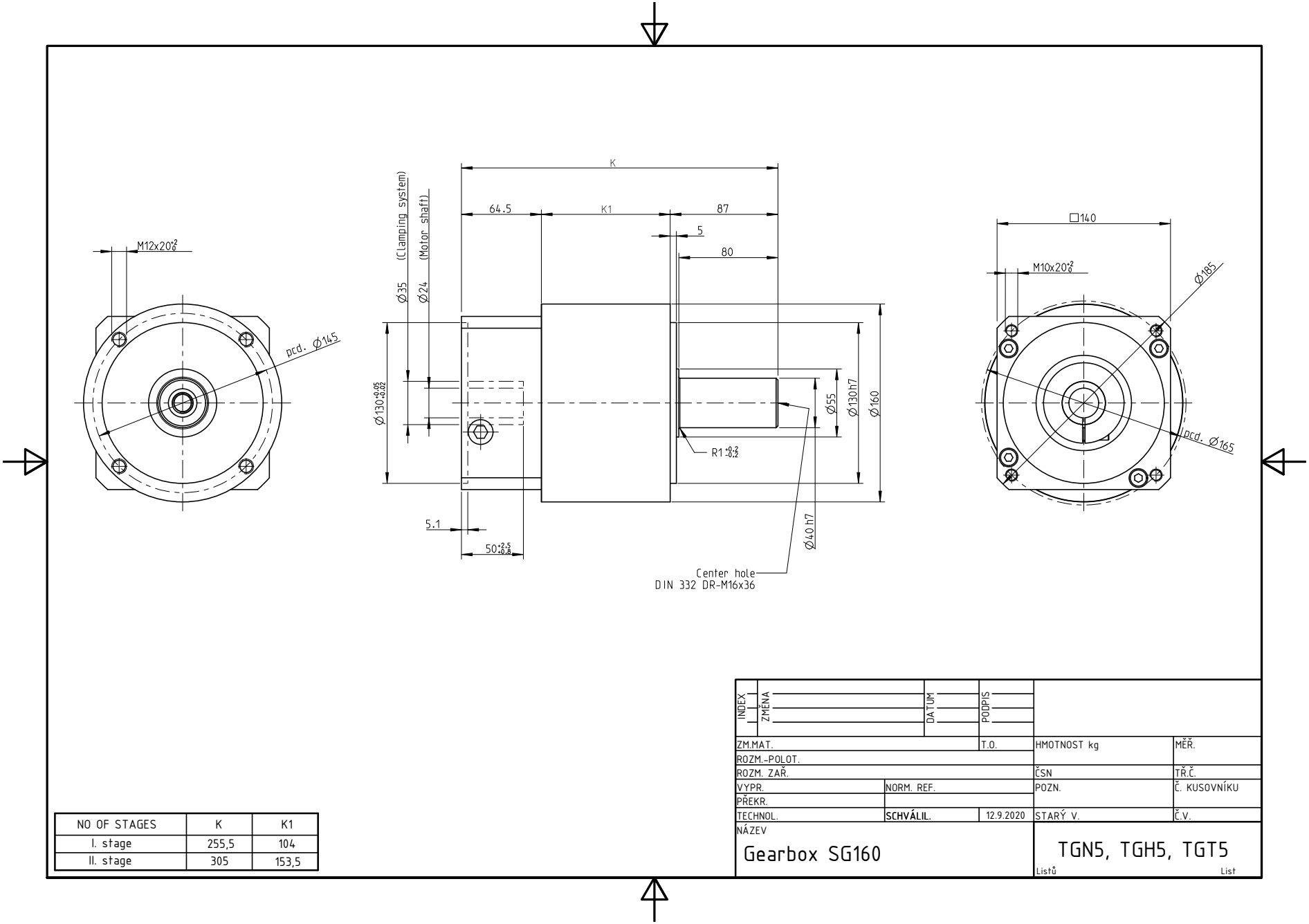
Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

Customs info	
HS Code	84834090

Mechanical data		
Radial force for 20'000h*	5000	N
Radial force for 30'000h*	4200	N
Max. radial force*	5000	N
Axial force for 20'000h	7000	N
Axial force for 30'000h	6000	N
Max. axial force	11000	N
Protection	IP54	
Input inertia	10.09	kgcm2
Mass	22.84	kg
Tilting moment for 20'000h	474	Nm
Tilting moment for 30'000h	398	Nm
Max. bending moment	140	Nm
Output shaft design	Smooth shaft	

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

Supported motors	
Motor types	TGN5, TGT5, TGH5
Clamping diameter	35 mm
Input flange	Motor adaptation - one part
Installation position	Any



NO OF STAGES	K	K1
I. stage	255,5	104
II. stage	305	153,5

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 SG160				TGN5, TGH5, TGT5	
				Listů	List