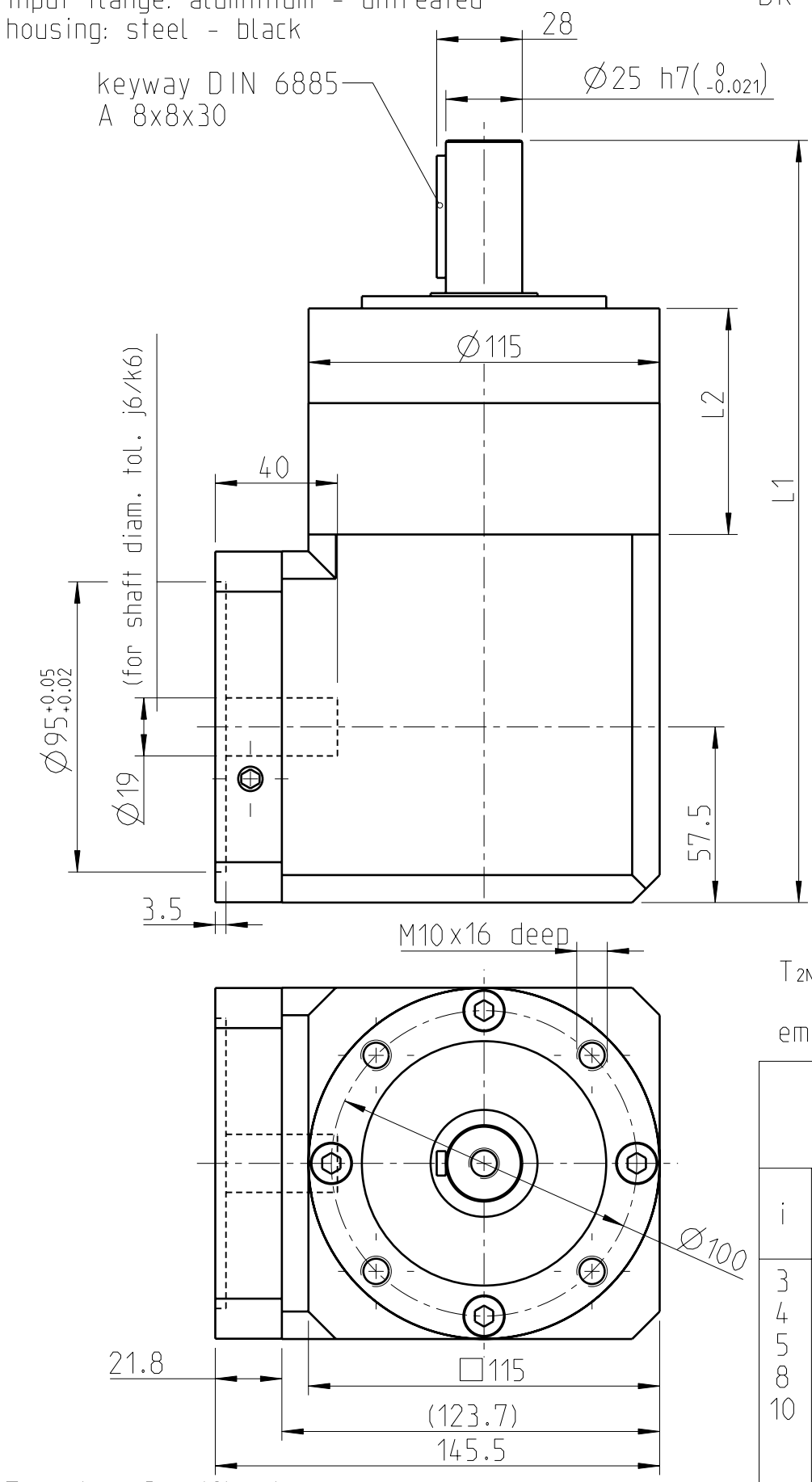
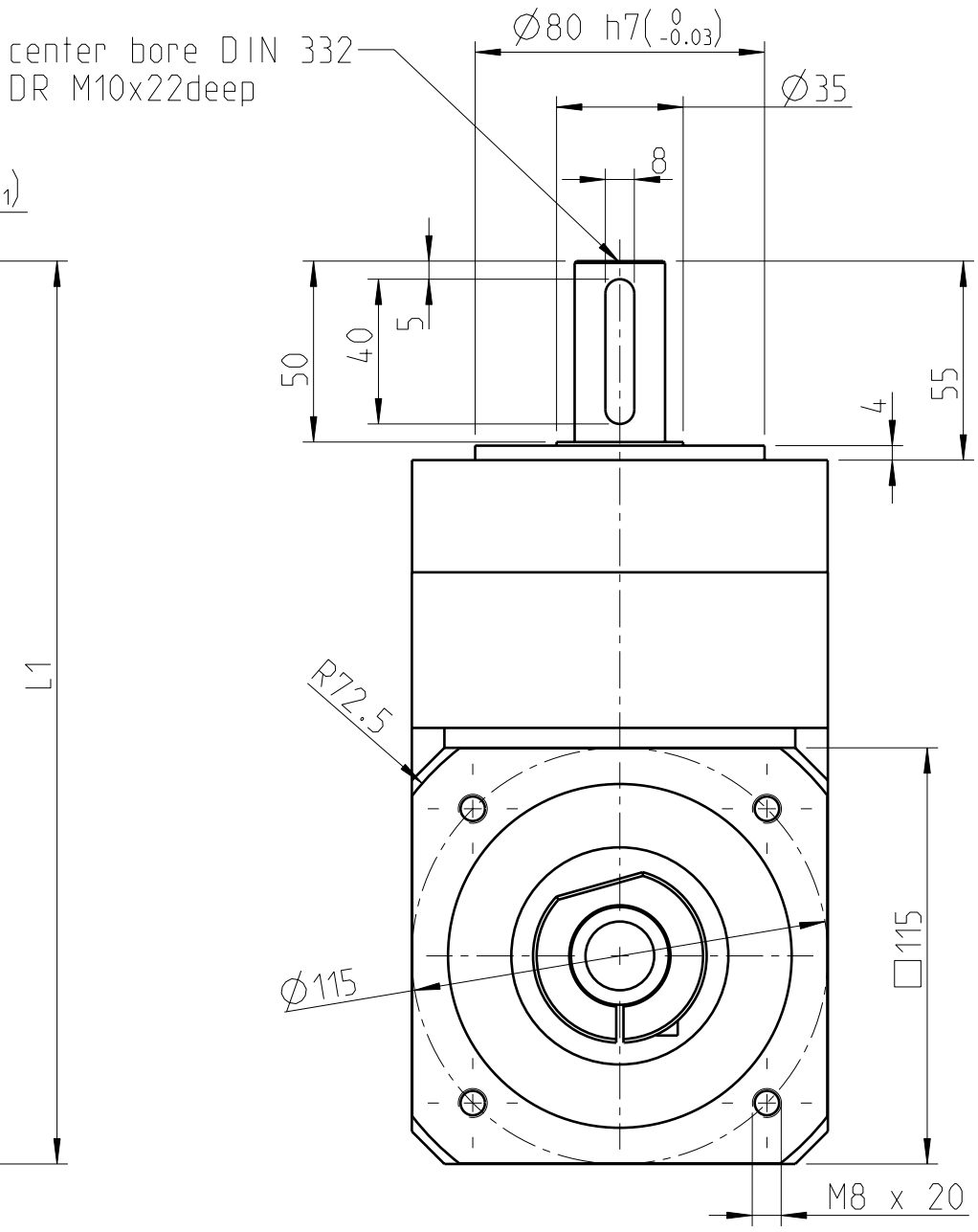
Material:

output flange: aluminium - untreated
input flange: aluminium - untreated
housing: steel - black





T_{2N} = nominal output torque
at output shaft with tumscent load [Nm]
emergency stop torque: 2 times T_{2N}

max. middle input speed at normal conditions and S1 duty (1)								
i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}	i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}	i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}
3	3500	2200	9	3450	2050	60	3500	3500
4	3500	2150	12	3500	2150	80	3500	3500
5	3500	2150	15	3500	2800	100	3500	3500
8	3500	3300	16	3500	2650	120	3500	3500
10	3500	2050	20	3500	3050	160	3500	3500
			25	3500	3500	200	3500	3500
			32	3500	3500	256	3500	3500
			40	3500	3500	320	3500	3500
			64	3500	3500	512	3500	3500

	1.stage		2.stage		3.stage	
L1	249.5		276.5		304	
L2	74		101		128.5	
	i	T_{2N}	i	T_{2N}	i	T_{2N}
	3	80	9	210 (2)	60	260
	4	105 (2)	12	260 (2)	80	260
	5	130 (2)	15	230	100	260
	8	120	16	260	120	230
	10	95	20	260	160	260
			25	230	200	230
			32	260	256	260
			40	230	320	230
			64	120	512	120

Technical Specification
planetary gear: straight-toothed
lifetime: 20.000h
output shaft bearing: grooved ball bearing
- max. axial load: 2800N by n2=100 1/min /Fr=0 /Lh=10.000h
- max. radial load: 2000N by n2=100 1/min /Fa=0 /Lh=10.000h
- max. axial load: 2100N by n2=100 1/min /Fr=0 /Lh=30.000h
- max. radial load: 1500N by n2=100 1/min /Fa=0 /Lh=30.000h
- ref. on shaft center/T=30°
backlash: 1.stage<=12 arcmin, 2.stage<=16 arcmin
- 3.stage<=18 arcmin ref. on output shaft
max. input speed: n1=6500 1/min (1)
lubrication: life grease lubrication
operating temperature: -25°C ...+90°C
efficiency: by rated load (ratio dependently)
- ca. 94% 1.stage, ca. 92% 2.stage,
- ca. 88% 3.stage
nominal output torque: by n2 = 100 1/min
sealing: bearing 2RS
motor mounting: M2 (stocked driving pinion)
- torque of clamping screw: 16,5Nm
method of working: S1
operation ratio: cB=1
protective system: IP 54
max. motor weight static: 16kg

(1) Operating temperature may not be exceeded!

(2) lifetime deviating 10.000h at T_{2N}

Modification reserve! Consider motor fitting instructions!

NEUGART			general tolerance DIN ISO 2768 - cL			Scale: 3:10	DIN A3	ISO
h					date	name		
g				Auth.	03.05.11	Ille	data sheet WPLE 120 standard flange	
f				Aud.	03.05.11	Kolz		
e				Rel.	03.05.11	Leser		
d								
c			Neugart GmbH Keltenstrasse 16 D - 77971 Kippenheim				Draw-No.: MB - 939 Variant:	sheet 1/1
b								
a								
stat	change	date	nam				(date) 14.10.10	(name) Kolz