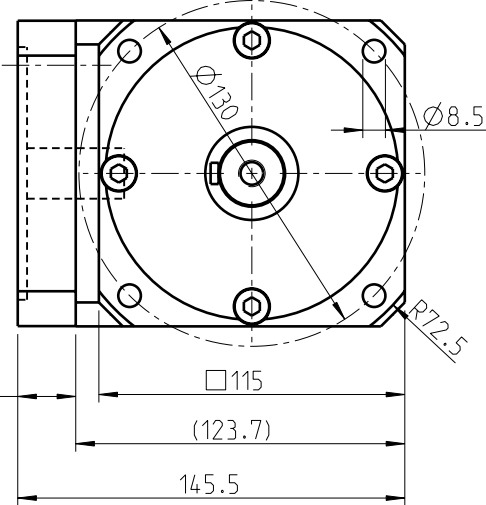
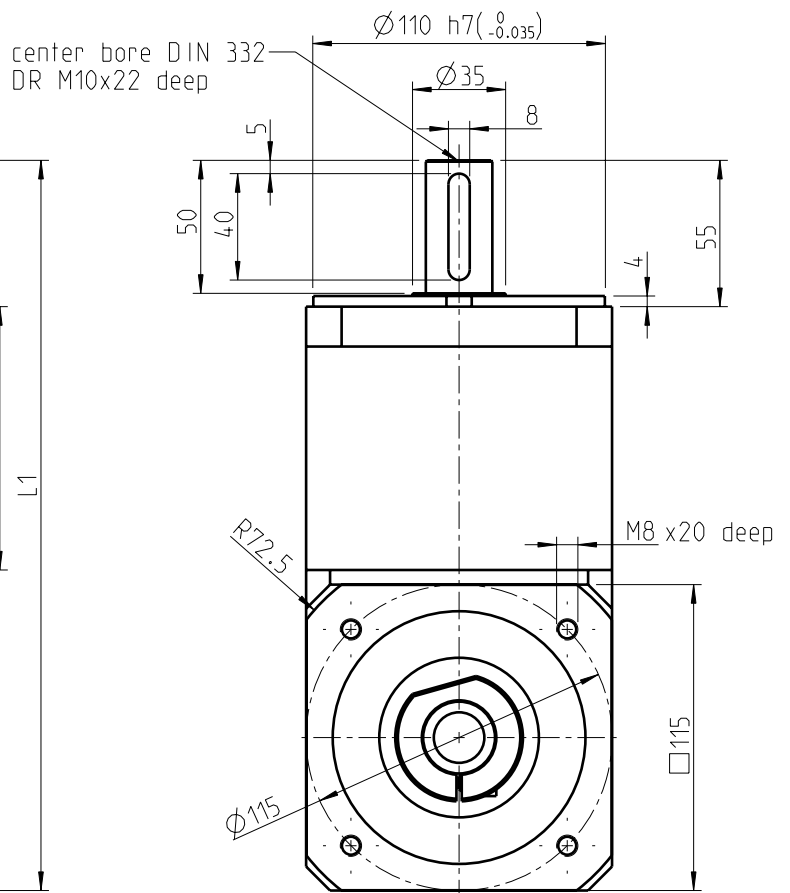
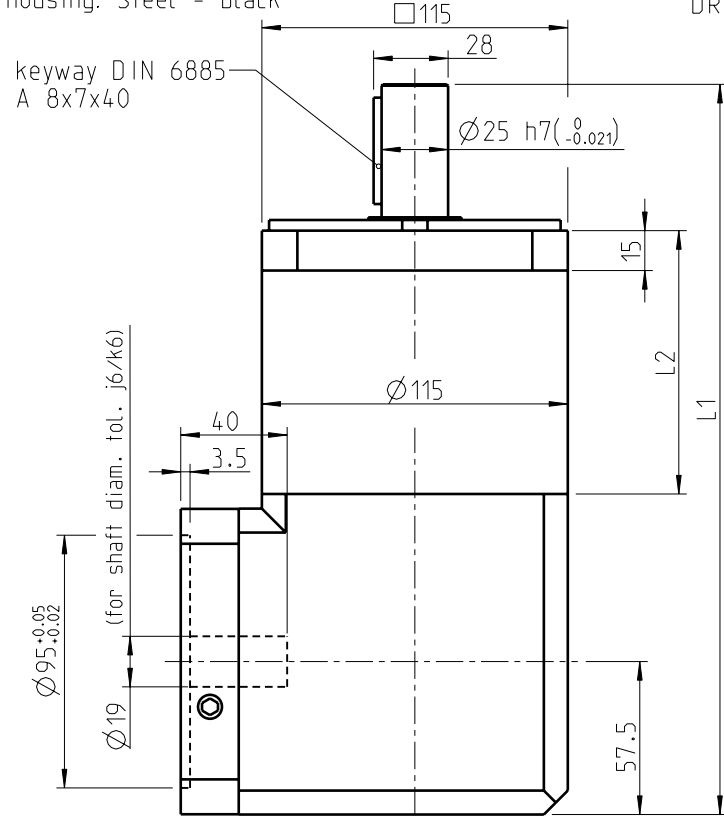


Material:

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 ⁽¹⁾ input speed at normal conditions and S1 duty								
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

Technical Specifications

planetary gear: straight-toothed
 Lifetime: 20.000h
 output shaft bearing: grooved ball bearing
 - max. axial load: 2800N by $n_2=100$ 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 3500N by $n_2=100$ 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 2100N by $n_2=100$ 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 2400N by $n_2=100$ 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: $n_1=6500$ 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

	1.stage	2.stage	3.stage		
L1	274.5	301.5	329		
L2	99	126	153.5		
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

nominal output torque: by $n_2=100$ 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

Consider motor fitting instructions! Modification reserve!

		scale: 1:1		DIN A3	ISO
		data sheet WPLE 120/115 standard flange			
h		date	Name		
q		Auth.	14.10.10	Ille	
f		Aud.	14.10.10	Böhler	
e		Rel.	14.10.10	Cihlar	
d		Neugart GmbH			Draw-No.: MB - 003
c		Kettenstrasse 16			Part-No.:
b		D - 77971 Kippenheim			Ident-No.:
a					Blatt
stat	change	date	Nam. (Urspr.)	date: 14.03.06	name: Leser

⁽¹⁾ Operating temperature may not be exceeded!

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