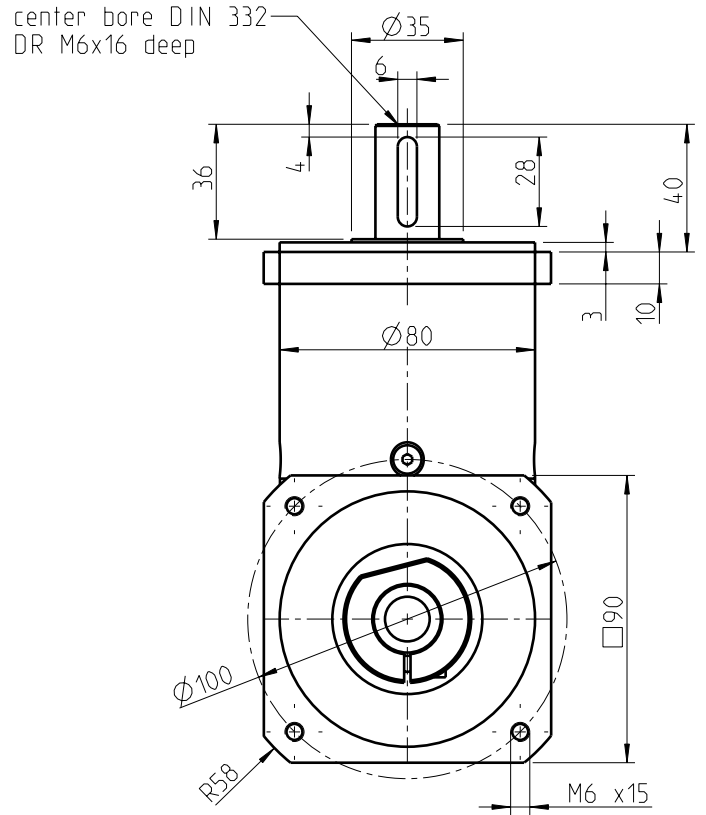
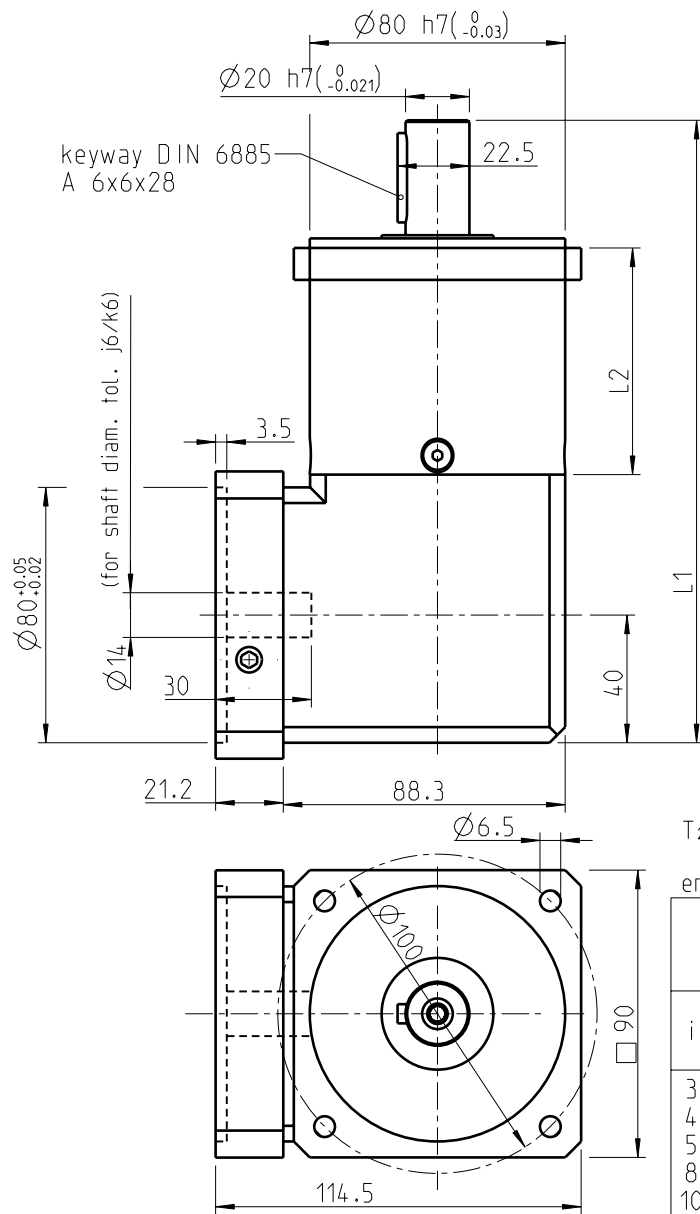


Material:
input flange: Aluminium - untreated
housing: Steel - black



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	3550	2500	9	3450	2100	60	4000	4000
4	3700	2500	12	4000	2850	80	4000	4000
5	3800	2500	15	4000	3550	100	4000	4000
8	4000	4000	16	4000	3400	120	4000	4000
10	4000	2100	20	4000	4000	160	4000	4000
			25	4000	4000	200	4000	4000
			32	4000	4000	256	4000	4000
			40	4000	4000	320	4000	4000
			64	4000	4000	512	4000	4000

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: 2500N by $n_2=100$ 1/min /Fa=0 /Lh=10.000h
- max. axial load: 2000N by $n_2=100$ 1/min /Fr=0 /Lh=30.000h
- max. radial load: 1700N by $n_2=100$ 1/min /Fa=0 /Lh=30.000h
- ref. on shaft center/ $T=30^\circ$
backlash: 1-stage ≤ 15 arcmin, 2-stage ≤ 19 arcmin
- 3-stage ≤ 21 arcmin ref. on output shaft
max. input speed: $n_1=7000$ 1/min⁽¹⁾
lubrication: life grease lubrication
operating temperature: $-25^\circ\text{C} \dots +90^\circ\text{C}$
efficiency: by rated load (ratio dependently)
- ca. 94% 1-stage, ca. 92% 2-stage
- ca. 88% 3-stage
nominal output torque: by $n_2 = 100$ 1/min
sealing: bearing 2RS
motor mounting: M2(stocked driving pinion)
- torque of clamping screw: 9.5Nm
method of working: S1
operation ratio: $cB=1$
protective system: IP 54
max. motor weight static: 9.0kg

	1-stage	2-stage	3-stage			
L1	195	212.5	230			
L2	71	88.5	106			
	i	T_{2N}	i	T_{2N}	i	T_{2N}
	3	40 ⁽²⁾	9	130 ⁽²⁾	60	110
	4	53 ⁽²⁾	12	120 ⁽²⁾	80	120
	5	67 ⁽²⁾	15	110	100	120
	8	50	16	120	120	110
	10	38	20	120	160	120
			25	110	200	110
			32	120	256	120
			40	110	320	110
			64	50	512	50

Modification reserve! Consider motor fitting instructions!

		scale: 1:1		DIN A3	ISO
		data sheet WPLE 80/90 standard flange			
h		date	Name		
q		Auth.	14.10.10	Ille	
f		Aud.	14.10.10	Böhler	
e		Rel.	14.10.10	Cihlar	
d					
c					
b					
a					
stat	change	date	Nam.	(Urspr.)	date: 10.07.06
			Neugart GmbH Kettenstrasse 16 D - 77971 Kippenheim		Draw-No.: MB - 982 Plan-No.: Ident-No.:
					Blatt Bl.
					name: Leser

⁽¹⁾ Operating temperature may not be exceeded!

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