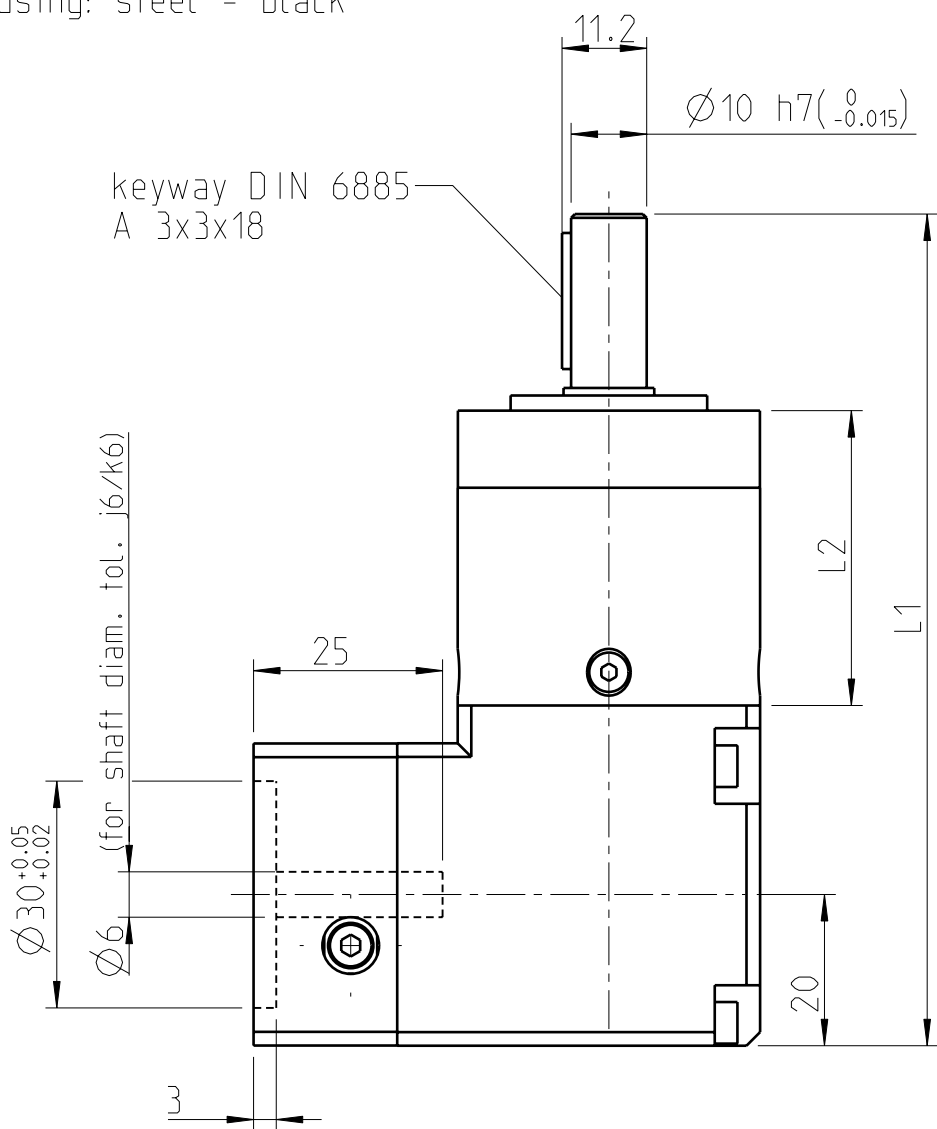
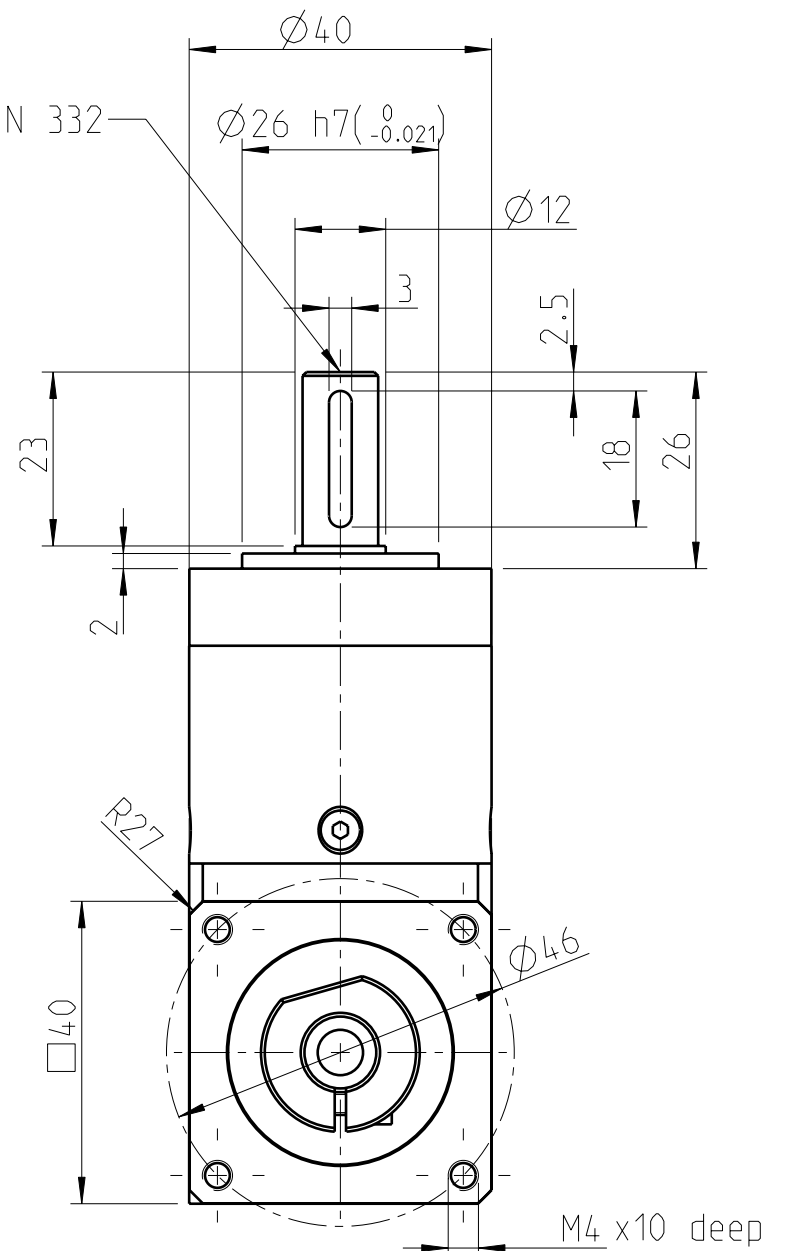


Material:

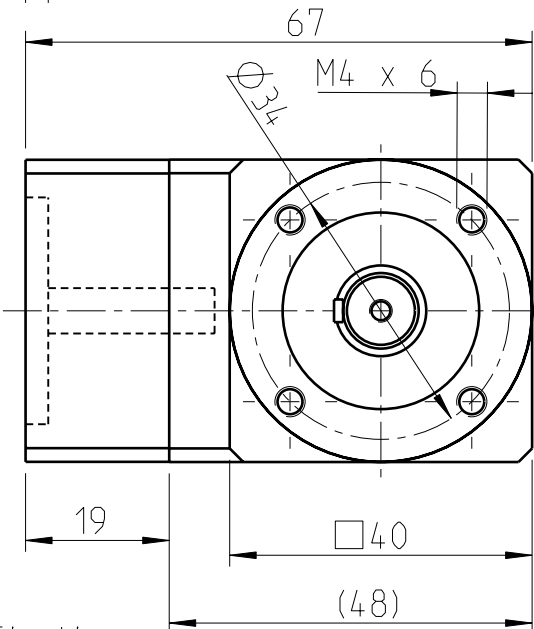
output flange: aluminium - untreated
 input flange: aluminium - untreated
 housing: steel - black



center bore DIN 332
 DR M3x9 deep



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	5000	5000	9	5000	3350	60	5000	5000
4	5000	5000	12	5000	5000	80	5000	5000
5	5000	5000	15	5000	5000	100	5000	5000
7	5000	5000	16	5000	5000	120	5000	5000
8	5000	5000	20	5000	5000	160	5000	5000
10	5000	3350	25	5000	5000	200	5000	5000
			32	5000	5000	256	5000	5000
			40	5000	5000	320	5000	5000
			64	5000	5000	512	5000	5000

Technical Specifications

planetary gear: straight-toothed
 Lifetime: 20.000h
 output shaft bearing: grooved ball bearing
 - max. axial load: 200N by $n_2=100$ 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 200N by $n_2=100$ 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 160N by $n_2=100$ 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 160N by $n_2=100$ 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center/ $T=30^\circ$
 backlash: 1-stage ≤ 30 arcmin, 2-stage ≤ 34 arcmin
 - 3-stage ≤ 36 arcmin, ref. on output shaft
 max. input speed: $n_1=18000$ 1/min ⁽¹⁾
 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: 2Nm
 method of working: S1
 operation ratio: $c_B=1$
 protective system: IP 54
 max. motor weight static: 2.0kg

	1-stage		2-stage		3-stage	
L1	110		123		135.5	
L2	39		52		64.5	
	i	T_{2N}	i	T_{2N}	i	T_{2N}
	3	4.5	9	16.5 ⁽²⁾	60	20
	4	6	12	20 ⁽²⁾	80	20
	5	7.5 ⁽²⁾	15	18 ⁽²⁾	100	20
	7	8.5	16	20 ⁽²⁾	120	18
	8	6	20	20 ⁽²⁾	160	20
	10	5	25	18	200	18
			32	20	256	20
			40	18	320	18
			64	7.5	512	7.5

Modification reserve!

Consider motor fitting instructions!

⁽¹⁾ Operating temperature may not be exceeded!

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

		general tolerance DIN ISO 2768 - cL		Scale: 1:1		DIN A3		ISO		
		date name		data sheet WPLE 40 standard flange						
h		Auth.	14.04.11							Burger
g		Aud.	14.04.11							Schaberger
f		Rel.	14.04.11							Leser
e		Neugart GmbH Keltenstrasse 16 D - 77971 Kippenheim			Draw-No.: MB-985 Variant:			sheet 1/1		
d		stat		change	date	nam	(date) 14.10.10		(name) IB/Leser	