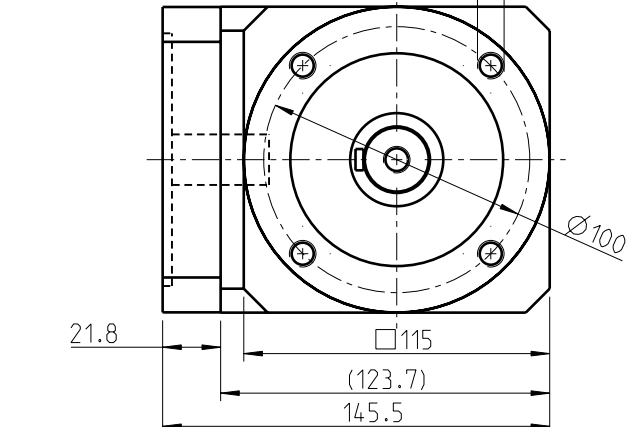
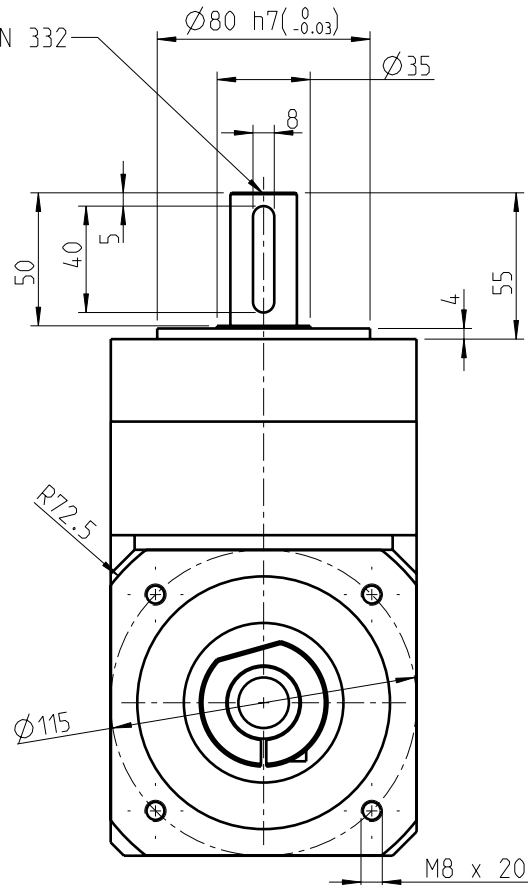
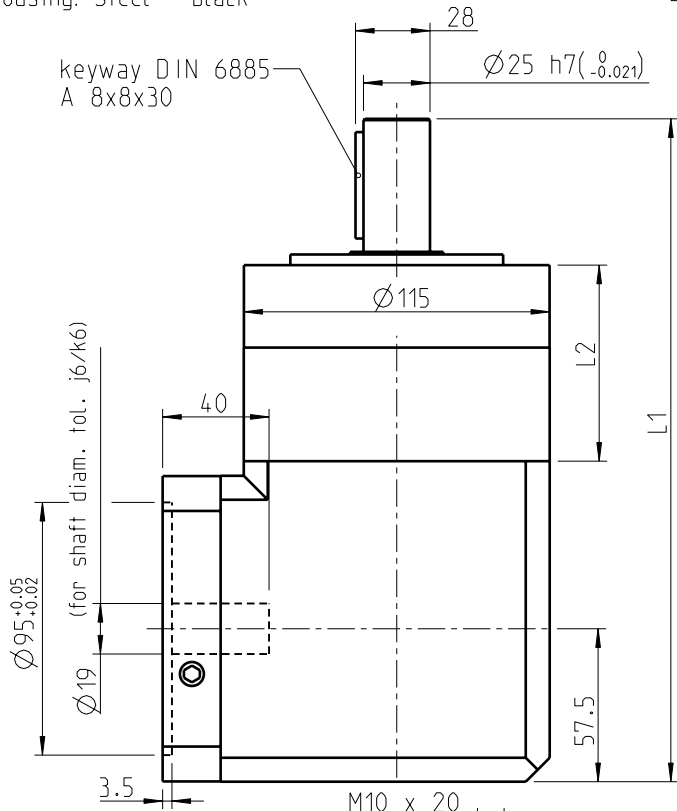


**Material:**

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

center bore DIN 332  
 DR M10x22deep



$T_{2N}$  = 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 <sup>(1)</sup>								
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
			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 Specification**

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: 2000N 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: 1500N 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 <sup>(1)</sup>  
 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  $n_2 = 100$  1/min

sealing: bearing 2RS  
 motor mounting: M2 (stocked driving pinion)  
 - torque of clamping screw: 16,5Nm  
 method of working: S1  
 operation ratio:  $c_B=1$   
 protective system: IP 54  
 max. motor weight static: 16kg

<sup>(1)</sup> Operating temperature may not be exceeded!

<sup>(2)</sup> Lifetime deviating 10.000h at  $T_{2N}$

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

Modification reserve!

Consider motor fitting instructions!

		scale: 3:10		DIN A3		ISO		
		data sheet WPLE 120 standard flange						
h			date	Name				
q			Auth.	14.03.06	Ille			
f			Aud.	14.03.06	Böhler			
e			Rel.	14.03.06	Cihlar			
d								
c								
b	added	10.07.06	S1/JS	Neugart GmbH				
a	value adjustment	14.03.06	S1/Ci	Kettenstrasse 16				
stat	change		date Nam.	(Urspr.)				
				Draw - No.: MB - 939		Blatt		
				Part-No.:		Bl.		
				Date: 17.04.01		name: Cihlar		