



	1.stage		2.stage	
L1	337		378	
L2	110		151	
	i	Mn	i	Mn
	4	465	16	910
	5	585	20	910
	8	450	25	780
	10	305	32	910
			40	780
			64	450
			100	305

Mn = nominal output torque at output shaft [Nm]  
 ⓐ emergency stop torque: 2 times

**Technical Specifications:**

planetary gear: straight-toothed/angle gearbox: arc-toothed  
 lifetime: 20.000h  
 output shaft bearing: taper roller bearing  
 - max. axial load: 15000N by n2=100 1/min /Fr=0 /Lh=20.000h ⓑ  
 - max. radial load: 9000N by n2=100 1/min /Fa=0 /Lh=20.000h ⓑ  
 - max. axial load: 13300N by n2=100 1/min /Fr=0 /Lh=30.000h ⓑ  
 - max. radial load: 8200N by n2=100 1/min /Fa=0 /Lh=30.000h ⓑ  
 backlash: 1.stage<=5 arcmin / 2.stage<=7 arcmin  
 - ref. on output shaft  
 max. input speed: n1=4500 1/min<sup>(a)</sup>  
 recommended input speed: n1<=2000 1/min<sup>(b)</sup>  
 lubrication: life Lubrication  
 operating temperature: -25 °C...+100 °C

efficiency: by rated load (ratio dependently) Ⓒ  
 - ca. 97% 1.stage, ca.94% 2.stage  
 nominal output torque: by n2=100 1/min  
 sealing:  
 - input: radial shaft seal ring  
 - output: radial shaft seal ring  
 motor mounting: M2 (stocked driving pinion)  
 - torque of clamping screw: 40Nm  
 method of working: S1  
 operation ratio: cB=1  
 protective system: IP 65  
 max.motor weight static: 50kg

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

**Material:**  
 output shaft: GGG 60  
 housing: GGG 60 - black  
 input flange: Aluminium

Modification reserve!  
 Consider motor fitting constructions!

		scale: 1:5		DIN A3	ISO
		data sheet WPLS 142 standard flange			
h		date	name		
g	text added	19.09.05	Si/ci	Auth.	07.08.01
f	value adjustment	19.09.05	Si/ci	Aud.	07.08.01
e	was Ø65	02.09.05	IB/BB	Rel.	20.05.03
d	text added	29.04.05	SI/DH		
c	text added	10.07.04	ci		
b	text added	22.01.04	BB		
a	dimension added	20.05.03	litte		
state	change	date	Nam	(Urspr.)	

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Draw.-No.: MB - 917  
 Part.-No.:

date 03.03.99 name Cihlar

Blatt  
 Bl.