



L	1.stage		2stage	
	i	Mn	i	Mn
L1	435		449	
L2	155		169	
L3	304		259	
	4	1200	16	1800
	5	1500	20	1800
	8	1000	25	1800
	10	630	32	1800
			40	1800
			64	1000
			100	630

Mn = nominal output torque at output shaft [Nm]

ⓑ emergency stop torque: 2 times

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: 1.stage 75Nm  
 - 2.stage 40Nm  
 method of working: S1  
 operation ratio: cB=1  
 protective system: IP 65  
 max.motor weight static: 75kg

**Technical Specifications:**

planetary gear: straight-toothed/angle gearbox: arc-toothed  
 lifetime: 20.000h  
 output shaft bearing: taper roller bearing  
 - max. axial load: 21000N by n2=100 1/min /Fr=0 /Lh=20.000h ⓐ  
 - max. radial load: 13300N by n2=100 1/min /Fa=0 /Lh=20.000h  
 - max. axial load: 18500N by n2=100 1/min /Fr=0 /Lh=30.000h ⓐ  
 - max. radial load: 12000N by n2=100 1/min /Fa=0 /Lh=30.000h  
 - ref. on shaft center / T=30 °C  
 backlash: 1.stage<=5 arcmin / 2.stage<=7 arcmin  
 - ref. on output shaft

max. input speed: n1=4000 1/min ⓐ

recommended input speed: n1<=1500 1/min ⓐ

lubrication: life lubrication  
 operating temperature: -25 °C...+100 °C

**Material:**

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

Modification reserve!  
 Consider motor fitting instructions!

ⓐ Operating temperature may not be exceeded!

NEUGART						scale: 1:2.5	DIN A3	ISO		
h	text added	19.09.05	SI/ci	date	name	data sheet WPLS 190 M2 - standardflange				
q	value adjustment	19.09.05	SI/ci	Auth.	07.08.01				lille	
f	was <math>\varnothing 95</math>	25.08.05	IB/BB	Aud.	07.08.01				Cihlar	
e	text added	27.04.05	SI/DH	Rel.	20.05.03				Cihlar	
d	text added	10.07.04	Ci							
c	text added	22.01.04	BB							
b	dimension added	20.05.03	lille			Draw.-No.: MB - 918				
a	dimensions changed	28.03.02	Bg			Part.-No.:				
stat.	change	date	nam.	(Urspr.)	date	03.03.99	name	Cihlar		

Neugart GmbH Keltenstrasse 16 D - 77971 Kippenheim		Blatt
Draw.-No.: MB - 918		Bl.
Part.-No.:		