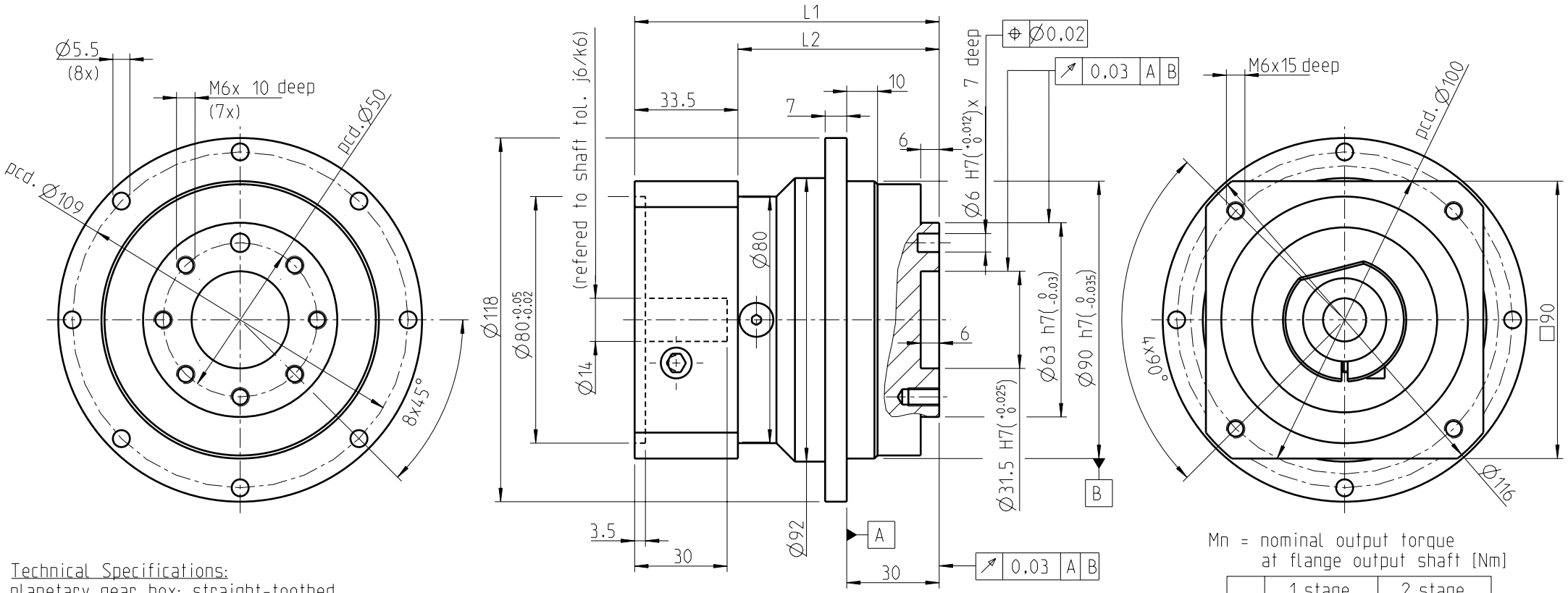

Mn = nominal output torque
at flange output shaft [Nm]

	1.stage		2.stage	
L1	99		116.5	
L2	65.3		83	
	i	Mn	i	Mn
	3	40	9	130
	4	50	12	120
	5	50	15	110
	8	50	16	120
			20	120
			25	110
			32	120
			40	110
			64	50

Technical Specifications:
planetary gear box: straight-toothed
lifetime: 30.000h
output shaft bearing: grooved ball bearing
- max. axial load: 3000N by Fr=0 /Lh=20.000h
- max. radial load: 1400N by Fa=0 /Lh=20.000h
- max. axial load: 3000N by Fr=0 /Lh=30.000h
- max. radial load: 1200N by Fa=0 /Lh=30.000h
- refered to the face of the flange output shaft/T=30°C / n2=100 1/min
backlash: 1.stage<=12 arcmin / 2.stage<=17 arcmin
- ref. on output shaft
max. input speed: n1=7000 1/min(1)
recommended input speed: n1<=4000 1/min(1)
lubrication: life grease lubrication
Operating temperature: -25°C...+90°C
efficiency: by nominal load (ratio dependently)
- appr. 96% 1.stage, appr. 94% 2.stage
nominal output torque: at n2=100 1/min
sealing: grooved ball bearing 2RS
motor mounting: M2 (pivoted driving pinion)
- torque of clamping screw: 9,5Nm
operation mode: S1
operation ratio: cB=1
protection category: IP 54
max.motor weight static: 9kg

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

Modification reserved!
Consider motor mounting instructions!

flange according EN ISO 9409
with additional threads

(1) Operating temperature may not be exceeded!

NEUGART

h					Date	name
g				Auth.	14.07.04	Ille
f				Aud.	14.07.04	Bühler
e				Rel.	15.09.04	Huber
d						
c				Neugart GmbH		
b				Keltenstrasse 16		
a				D - 77971 Kippenheim		
stat	change	Date	nam			

DIN A3 | ISO

data sheet PLFE 90
standard flange

Draw-No.: MB - 1111
Part.-No.:

Blatt
Bl.

date | name