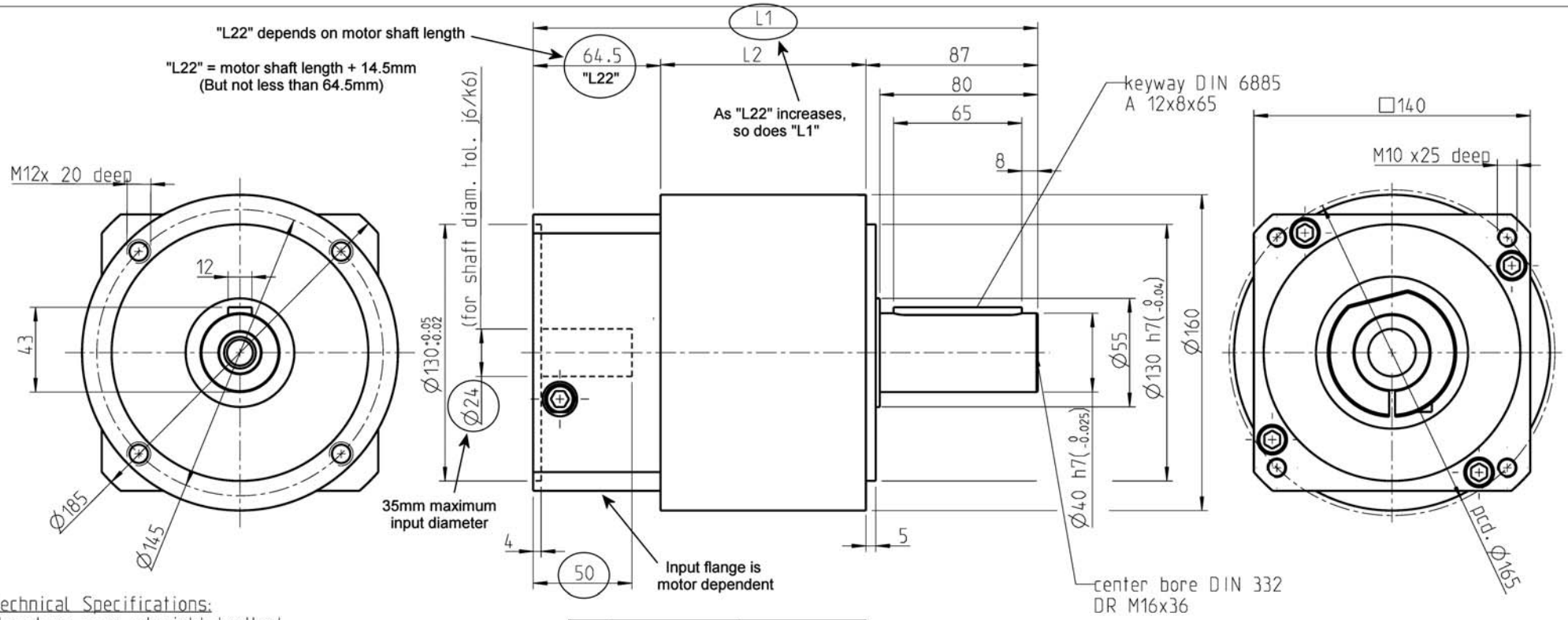

Technical Specifications:
planetary gear: straight-toothed
lifetime: 30.000h ⓒ
output shaft bearing: grooved ball bearing
- max.axial load: 8000N by n2=100 1/min /Fr=0 /Lh=10.000h
- max.radial load: 6000N by n2=100 1/min /Fa=0 /Lh=10.000h
- max.axial load: 6000N by n2=100 1/min /Fr=0 /Lh=30.000h
- max.radial load: 4200N by n2=100 1/min /Fa=0 /Lh=30.000h
- ref. on shaft center/T=30 °C
backlash: 1.stage<=6 arcmin / 2.stage<=10 arcmin
- ref. on output shaft
max. input speed: n1=6500 1/min[1] ⓑ
recommended input speed: n1<=3000 1/min[1]
lubrication: life grease lubrication
operating temperature: -25 °C...+90 °C
efficiency: by rated load (ratio dependently) ⓐ
- ca. 96% 1.stage, ca. 94% 2.stage
nominal output torque: by n2=100 1/min
sealing: bearing 2RS
motor mounting: M2 (stocked driving pinion)
- torque of clamping screw: 40Nm
method of working: S1
operation ratio: cB=1
protective system: IP 54
max.motor weight static: 50 kg

	1.stage		2.stage	
L1	255.5		305	
L2	104		153.5	
	i	Mn	i	Mn
	3	400	12	800
	4	450	15	700
	5	450	16	800
	8	450	20	800
			25	700
			32	800
			40	700
			64	450

Mn = nominal output torque
ⓐ at output shaft with tumscent load [Nm]

ⓑ [1] Operating temperature may not be exceeded!

Material:
housing: steel - black
input flange: Aluminium - untreated

Modification reserve!
Consider motor fitting instructions!

NEUGART

h					date	name
g				Auth.	19.06.02	Ille
f				Aud.	19.06.02	Cihlar
e				Rel.	15.07.03	Cihlar
d						
c	Lh was 10./20.000h	25.10.04	BB/SI	Neugart GmbH		
b	text added	16.12.03	BB	Keltenstrasse 16		
a	text added	15.07.03	Ille	D - 77971 Kippenheim		
state	change	date	Nam.	(Urspr.)		

scale:1:2 | DIN A3 | ISO

data sheet PLE 160
standard flange

Draw.-No.: MB - 863
Part.-No.:
Blatt
Bl.

date 19.02.99 | name Cihlar