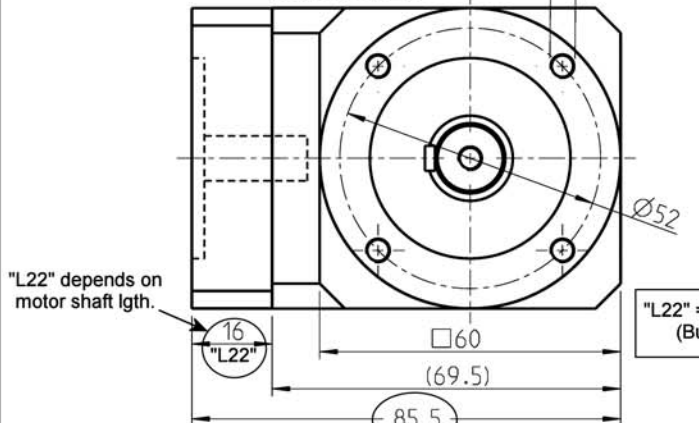
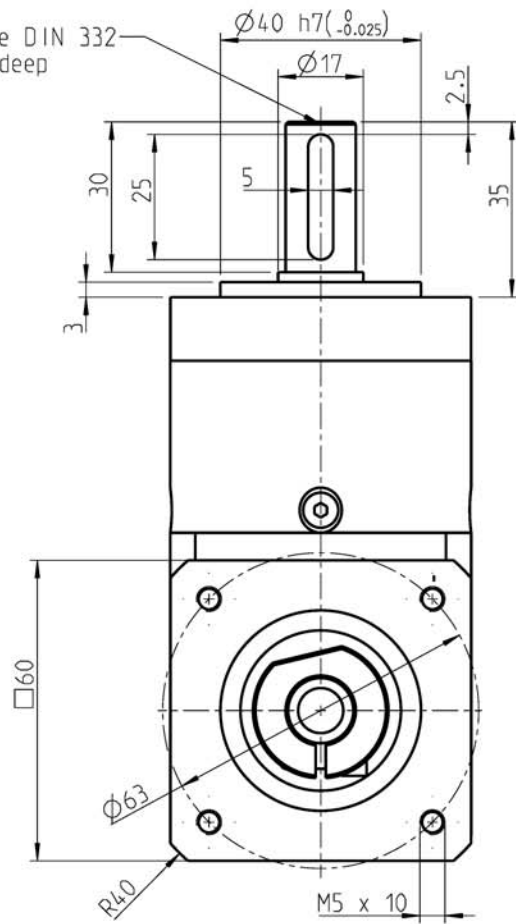


center bore DIN 332
DR M5x12 deep



"L22" depends on motor shaft lgth.

"L22" = motor shaft lgth. (- 7mm)
(But not less than 16mm)

	1.stage	2.stage	3.stage		
L1	147.5	160	172.5		
L2	47	59.5	72		
i=	Mn	i=	Mn	i=	Mn
3	12	9 ⁽²⁾	44	60	44
4	16	12	44	80	44
5	16	15	44	100	44
8	15	16	44	120	44
		20	44	160	44
		25	40	200	40
		32	44	256	44
		40	40	320	40
		64	18	512	18

Technical Specification

planetary gear: straight-toothed
lifetime: 20.000h⁽¹⁾
output shaft bearing: grooved ball bearing
- max. axial load: 600N by n2=100 1/min /Fr=0 /Lh=10.000
- max. radial load: 500N by n2=100 1/min /Fa=0 /Lh=10.000
- max. axial load: 450N by n2=100 1/min /Fr=0 /Lh=30.000
- max. radial load: 340N by n2=100 1/min /Fa=0 /Lh=30.000
- ref. on shaft center/T=30°
backlash: 1.stage <=22 arcmin , 2.stage <=26 arcmin⁽²⁾
- 3.stage <=28 arcmin ref. on output shaft
max. input speed: n1=13000 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. 94% 1.stage, ca. 92% 2.stage,
- ca. 88% 3.stage
nominal output torque: by n2 = 100 1/min
sealing: bearing 2RS
motor mounting: M2(stocked driving pinion)
- torque of clamping screw: 4.5Nm
method of working: S1
operation ratio: cB=1
protective system: IP 54^(a)
max. motor weight static: 3.5 kg

Mn = nominal output torque at output shaft with tumscent load [Nm]
⁽²⁾ lifetime deviating 10.000h at Mn

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

⁽¹⁾ Operating temperature may not be exceeded! ^(d)

Modification reserve!
Consider motor fitting instructions!



h	value adjustment	date	Name
q	26.09.05	IB/BB	Auth.
f	23.10.04	BB/SI	Aud.
e	09.07.04	Fi	Rel.
d	19.12.03	BB	
c	18.07.03	Ille	
b	26.03.03	Ille	
a	12.12.01	Ille	
stat	change	date	Nam. (Urspr.)

scale: 1:1	DIN A3	ISO
data sheet WPLE 60 standard flange		
Draw-No.: MB - 953	Blatt	
Part-No.:	Bl.	
date: 14.03.00	name: Cihlar	