



output shaft bearing: taper roller bearing

- max. radial load: 6300N by  $n_2=100$  1/min Lh > 10.000h
- max. axial load: 5600N by  $n_2=100$  1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox

backlash:  $\leq 4 / 6$  arcmin reference to output shaft

torsional stiffness: 40 Nm/arcmin

lifetime: > 30.000h

efficiency at load: 94% (depends on ratio)

lubrication: lifetime lubrication

running noise:  $\leq 64$  dbA (measured in 1m distance at  $n_1=3000$  1/min)

nominal output torque at  $n_1 = 3000$  1/min

$i =$	12 - 70	100
nominal output torque [Nm]	180	48
max. acceleration torque [Nm]	260	94
emergency torque [Nm]	600	200

allowed average speed: 4000 1/min

max. speed: 6000 1/min (allowed operating temp. must be considered)

operating temperature: -20°C bis +90°C

motor mounting: M2 (supported drive pinion)

- torque of clamping screw: 10 Nm

operation mode: S1

operation ratio: CB1

protection system IP 65

consider mounting instruction  
subject to modifications

Verwendungsbereich		Allgemein- toleranzen ISO 2768-mH		Kanten ISO 13715		Maßstab (Werkstoff Halbzug) (Rohrteil-Nr) (Modell- oder Gassenk-Nr)	
Datum		Bearb. 26.05.16		Name BITZER		ESP 100/2 19x40	
Norm		Tolerierung ISO 8015		Gepr.		pd80 bc100 4xM6 sq90	
Änderung		Datum		Name		DS1000400-2	
Zust		Ursprung		Ersatz für:		Blatt 1	
Ersatz durch:		Ersatz durch:		Ersatz durch:		1 Bl.	

