



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: $\leq 3 / 5$ arcmin reference to output shaft

torsional stiffness: 40 Nm/arcmin

lifetime: > 30.000h

efficiency at load: 96% (depends on ratio)

lubrication: lifetime lubrication

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

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

$i =$	3	4 / 5 / 7	10
nominal output torque [Nm]	110	150	115
max. acceleration torque [Nm]	180	250	200
emergency torque [Nm]	500	600	500

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: 35 Nm
- operation mode: S1
operation ratio: CB1
protection system IP 65

consider mounting instruction
subject to modifications

Allgemein-		Kanten		Maßstab	
Verwendungsbereich		ISO 13715		(Werkstoff Halbzug) (Rohrteil-Nr) (Modell- oder Gassenk-Nr)	
Allgemein- toleranzen ISO 2768-mH		Name		ESP 100/1 24x50	
Datum		BITZER		pd95 bc115 4xM8 sq106	
Bearb. 07.08.16				DS1000412-1	
Gepr.				Blatt 1	
Norm				1 Bl.	
Tolerierung ISO 8015					
Zust		Änderung		Datum	
Name		Ursprung:		Ersatz für:	
Ersatz durch:					

