



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: S1
 protection system IP 65

consider mounting instruction
 subject to modifications

Zust	Anderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blatt
							1 Bl.
Verwendungsbereich				ISO 2768-mH			
Allgemein-toleranzen				ISO 13715			
Datum				BITZER			
Bearb. 07.08.16							
Gepr.							
Norm							
Tolerierung ISO 8015							
ESP 100/1 24x50							
pd110 bc130 4xM8 sq120							
DS1000401-1							

