



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 1300N by n2=100 1/min Lh > 10.000h
- max. axial load: 500N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox

backlash at output shaft:

$$\leq 14 \text{ arcmin; reduced } \leq 8 \text{ arcmin}$$

lifetime: > 30.000h

efficiency: by rated load 92% (depends on ratio)

lubrication: lifetime-lubrication

nominal output torque at n1 = 3000 1/min

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

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 6 Nm
- operation mode: S1
- operation ratio: CB1
- protection system IP 54

i =	nominal output torque [Nm]	12	16	20	25	35	40	50	70	100
	max. acceleration torque [Nm]	80	100	100	100	100	100	100	100	64
	max. acceleration torque [Nm]	100	125	125	125	125	125	125	125	80
	emergency torque [Nm]	160	216	216	216	216	216	216	216	160

consider mounting instruction
subject to modifications

Zust	Änderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blatt
							1
		Verwendungsbereich					
		Allgemein- toleranzen ISO 2768-mH		Kanten ISO 13715		Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)	
		Datum		Name		EPL 84/2 14x30	
		Bearb. 11.06.16		BITZER			
		Gepr. Norm					
		Tolerierung ISO 8015				pdd60 bc75 4xM5 sq90	
				Eisele Arbeits- und Montechnik		DS0840437-2	