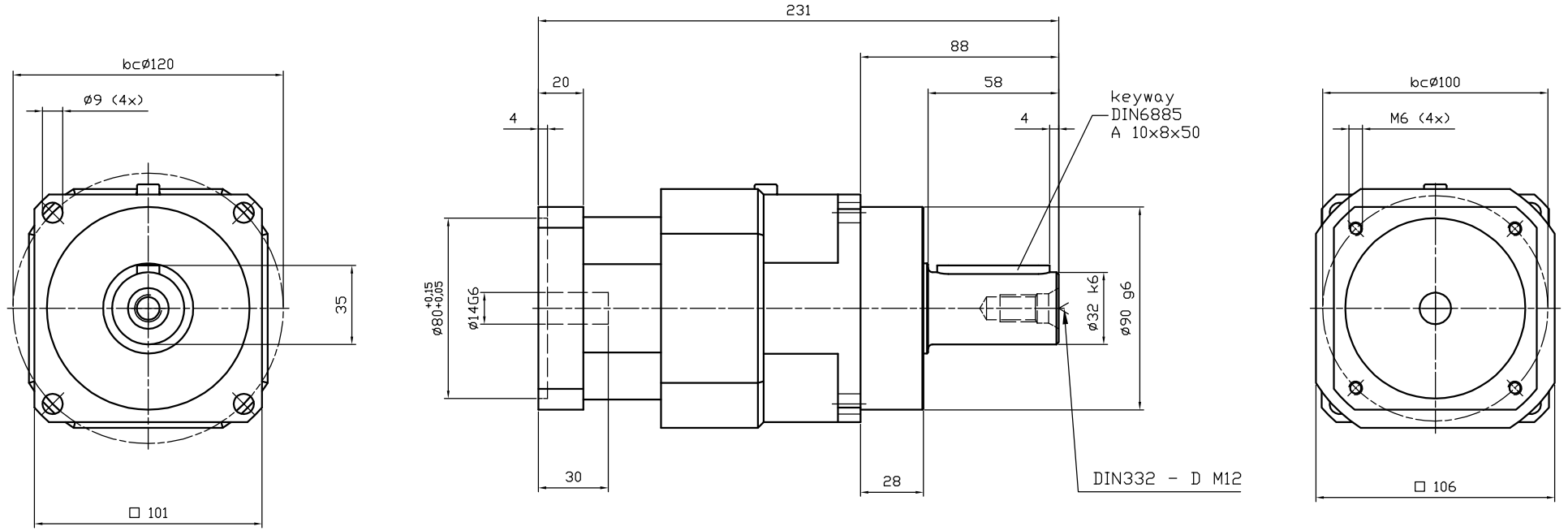

output shaft bearing: taper roller bearing

- max. radial load: 6300N by n2=100 1/min Lh > 10.000h
- max. axial load: 5600N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox
backlash: ≤ 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: ≤ 64 dbA (measured in 1m distance at n1=3000 1/min)
nominal output torque at n1 = 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	(Gewicht)
						(Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)	
					Datum / Name	ESP 100/2 14x30	
				Bearb.	26.05.16 BITZER		
				Gepr.			
				Norm			
				Tolerierung ISO 8015		pd80 bc100 4xM6 sq106	
				Eisele Antriebstechnik		DS1000401-2	Blatt 1 / 1 Bl.
Zust	Änderung	Datum	Name	Ursprung:		Ersatz für:	Ersatz durch: