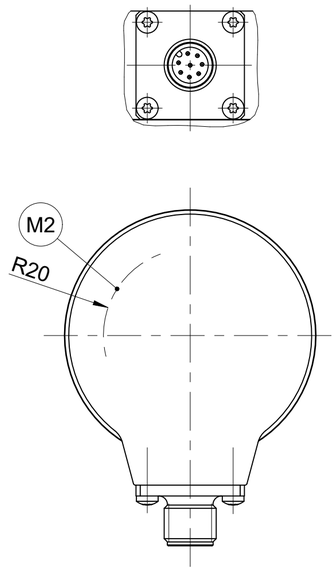
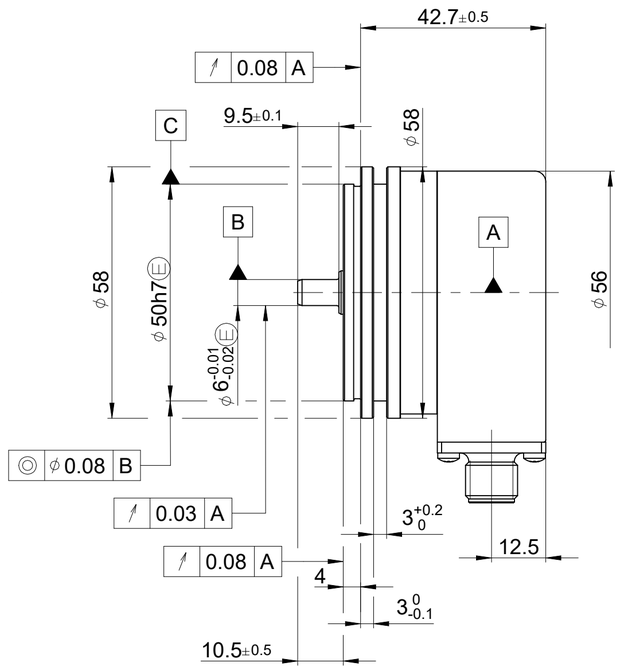
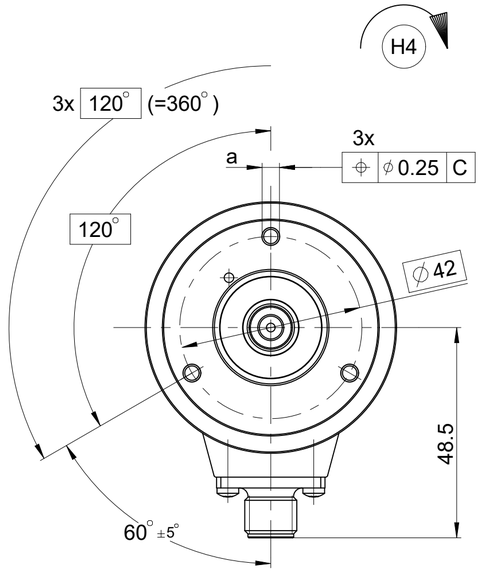
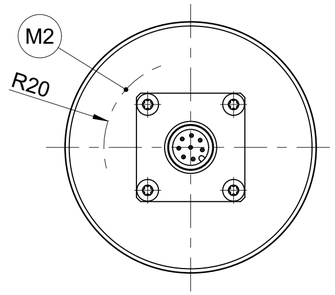
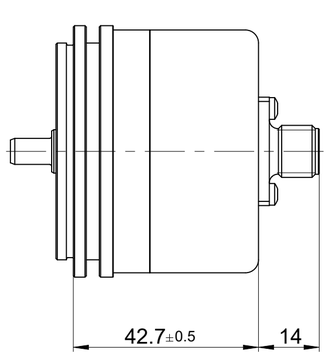


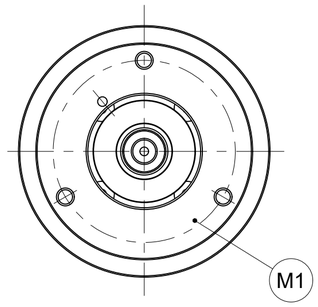


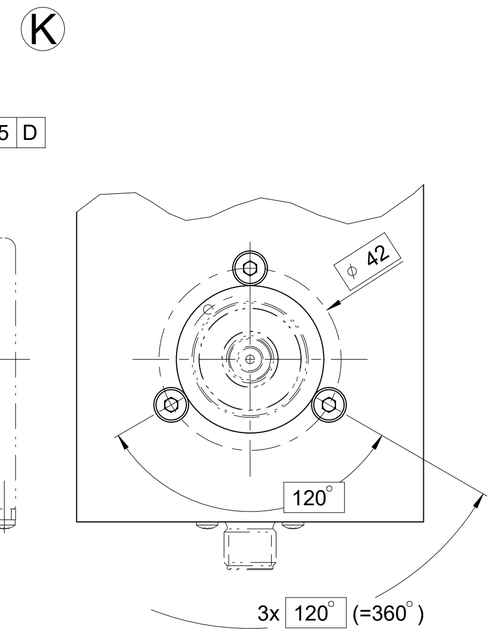


Für mechanischen Fehlerausschluss obligatorisch Obligatory for mechanical fault exclusion		
Materialvorgaben nach den "Allgemeinen mechanischen Hinweisen" im aktuellen Drehgeberkatalog (D349529) Material specification in accordance with the "General mechanical information" in the current "Rotary Encoders" brochure (D349529)		
	Kundenwelle Mating shaft	Kundenstator Mating stator
Material Material	Kein Fehlerausschluss für die Wellenanbindung von HEIDENHAIN No fault exclusion from HEIDENHAIN for the shaft connection	Stahl / Steel (H3) oder / or Aluminium / Aluminum (H2)
		Anzugsmoment Tightening torque
(H1) M4 - 8.8		2.65 Nm ±0.1 Nm









A = Lagerung Geber — Bearing of rotary encoder

(M1) = Messpunkt Arbeitstemperatur — Measuring point for operating temperature

(M2) = Messpunkt Vibration — Measuring point for vibration

(K) = Kundenseitige Anschlussmaße — Required mating dimensions

(H1) = Schrauben M4 - 8.8 mit geeigneter, mindestens mittelfester stoffschlüssiger Losdrehsicherung
Aushärtezeit der stoffschlüssigen Losdrehsicherung beachten
Anzugsmoment 2,65 ±0,1Nm, Mindesteinschraubtiefe 6mm

Screw M4 - 8.8 , with suitable material-bonding anti-rotation lock (at least medium strength)
Comply with the curing time of the material bonding anti-rotation lock;
Tightening torque: 2.65 Nm ±0.1Nm; min. engagement depth of screw 6mm

(H2) = Bei zul. Grenzflächenpressung $p_G \leq 280 N/mm^2$ Scheibe verwenden — If permissible interface pressure $p_G \leq 280 N/mm^2$ use washer

(H3) = *) bei Wahl eines Materials mit einem spez. Wärmeausdehnungskoeffizienten von
$\alpha = 10 \times 10^{-6} K^{-1}$ bis $14 \times 10^{-6} K^{-1}$ (Stahl), kann die max. Plattendicke bis zu 20mm betragen.

*) If a material with a coefficient of linear thermal expansion between
$\alpha = 10 \times 10^{-6} K^{-1}$ and $14 \times 10^{-6} K^{-1}$ (steel) is chosen, the thickness can be up to 20mm

(H4) = Drehrichtung der Welle für Ausgangssignale gemäß Schnittstellenbeschreibung — Direction of shaft rotation according to interface description

(H5) = Gewindetiefe von 5mm auf 9mm umgestellt im November 2011 — Thread depth changed from 5mm to 9mm in November 2011

73A	01C	M4 - 9+1 tief/depth (M4 - 5 tief/depth)	(H5)
WELLA1	FLANA1	a	

				ID number: 541104-01
				Change No. C172391-15
				Phase: Serie
Dimensions in mm	Original drawing Scale 1:1	Format A2	ROC/ROQ 4xx ROC/ROQ 4xx) Anschlussmaße / Mating Dimensions	Tolerances as per ISO 8015 General Tolerances ISO 2768:1989-mH ≤6mm:±0,2

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Released	Version	Revision	Sheet	Page
06.10.2025	D	541104-05	A-01	1 of 1
	Document number			

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