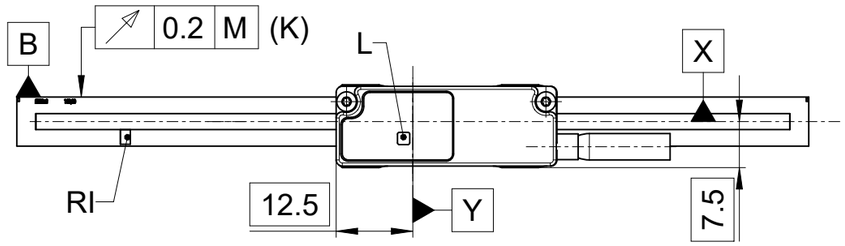

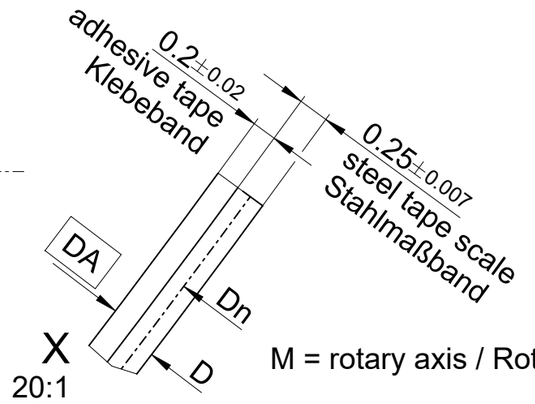

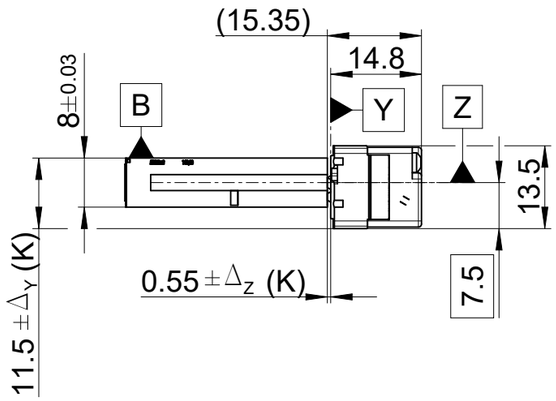

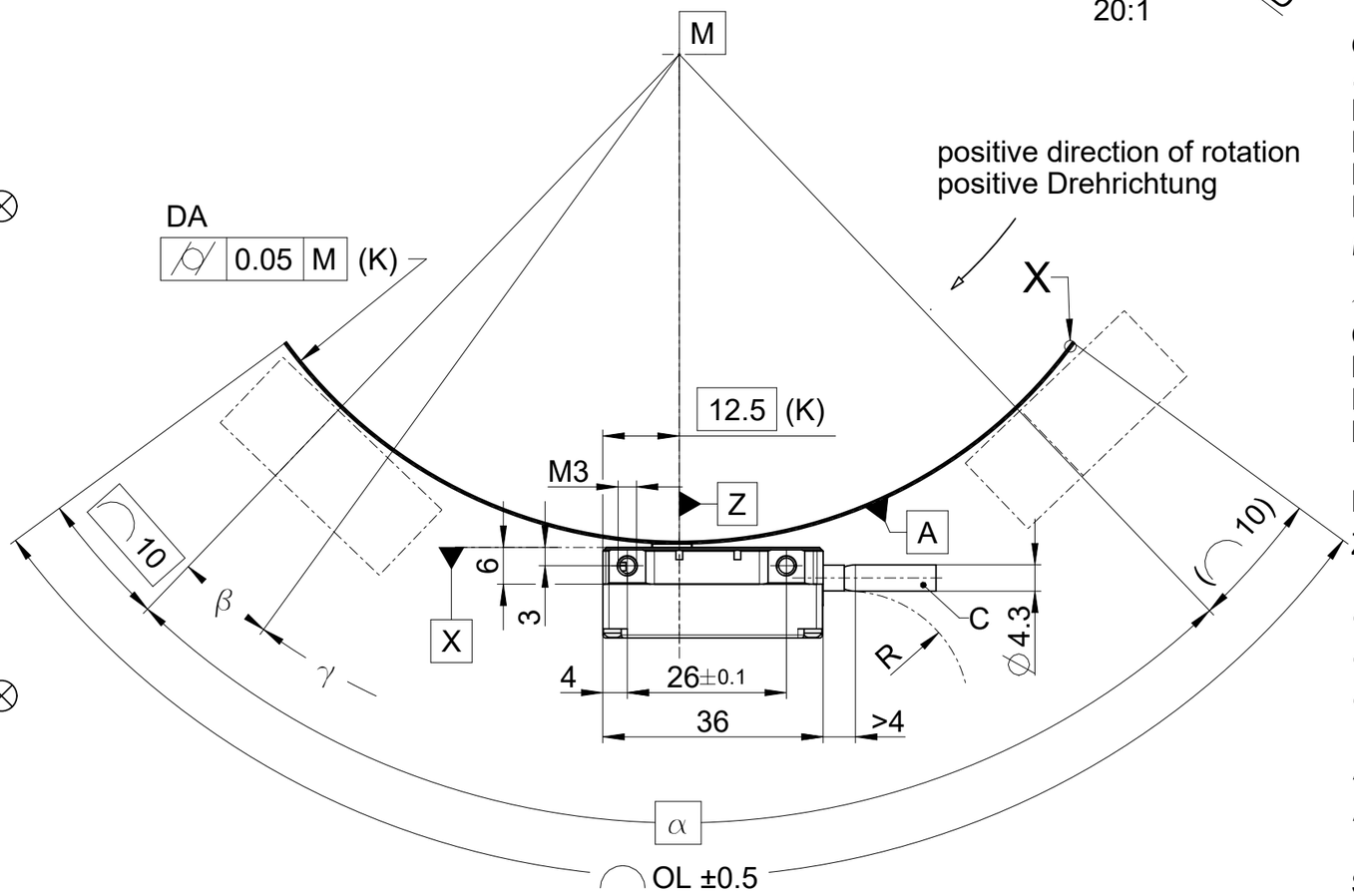

M = rotary axis / Rotationsachse

OL = length of tape / Bandlänge
α [°] = measuring range / Messbereich
DA = mating diameter / Aufnahmedurchmesser
D = scanning diameter / Abtastdurchmesser
Dn = neutral axis / neutrale Faser
RI = reference mark(s) / Referenzmarke(n)
β [°] = any position of the reference mark from the beginning of measuring range / beliebige Position der Referenzmarke vom Beginn des Messbereiches
γ [°] = additional reference mark / zusätzliche Referenzmarke
C = cable / Anschlusskabel
K = customer mounting dimensions / kundenseitige Anschlussmaße
R = bending radius / Biegeradius: stat. R ≥ 8mm, dyn. R ≥ 20mm
L = LED function display / LED Funktionsanzeige

Permissible position deviation scanning head - scale tape | A | B |
Zulässige Lageabweichungen Abtastkopf - Maßband | A | B |

φ_Z = ± 1mrad or / oder ±0,06° (yaw angle / Gierwinkel)
φ_Y = ± 1,5mrad or / oder ± 0,09° (pitch angle / Nickwinkel)
φ_X = ± 4,0mrad or / oder ± 0,23° (roll angle / Rollwinkel)

Δ_Z = ± 0,15 radial displacement (airgap) / radiale Verschiebung (Abstand)
Δ_Y = ± 0,5 lateral displacement / laterale Verschiebung

SO = steel tape scale / Stahlmaßband
D = DA+0,5
SK = steel tape scale with adhesive tape / Stahlmaßband mit Klebeband
D = DA+0,9

accuracy / Genauigkeit: ±15µm/m
even state (not bent) / eben aufgelegt (nicht gebogen)

calculation OL / Berechnung OL
OL = 20 + (D - 0,25) * π * α / 360°

theoretical lines per revolution (360°) / theoretische Strichzahl pro Umdrehung (360°)
n = 78,5398*D+33,1942 (rounded / abgerundet)

angle calculation strongly dependent on the accurate knowledge of diameter
Winkelberechnung direkt abhängig vom exaktem Durchmesser

			ID number:	
			Change No.	C157360-23
			Phase:	Serie
Original drawing	Scale	Format	MSS15 MSS15 Anschlussmaße / Mating Dimensions	Tolerances as per ISO 8015
Dimensions in mm	1:1	A3		General Tolerances ISO 2768:1989-mH ≤ 6:±0.2

RSF Elektronik
www.rsf.at

Released	Version	Revision	Sheet	Page
12.02.2024	D1279484-02-A-01			1 of 1
	Document number			