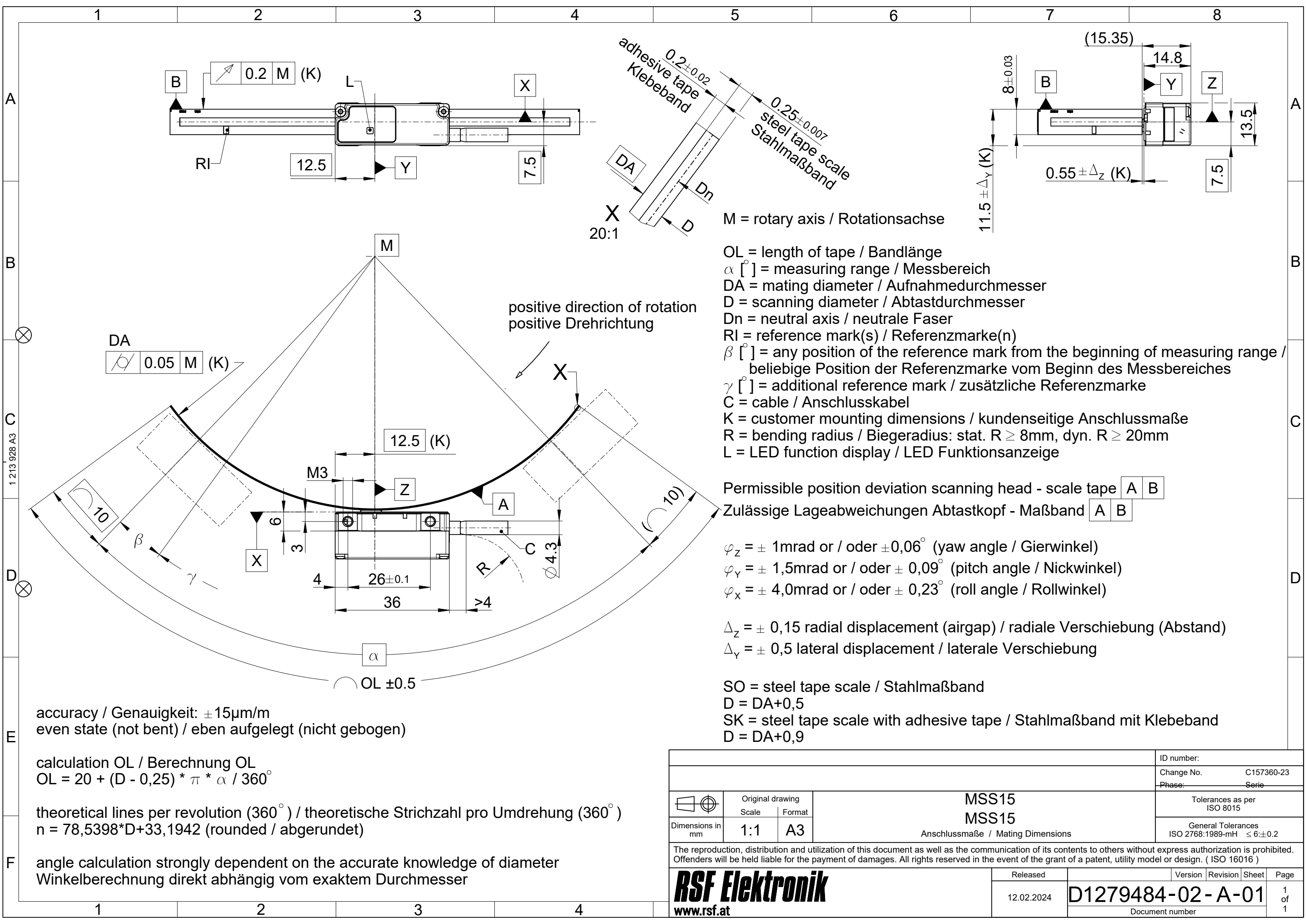




M = rotary axis / Rotationsachse

- 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

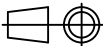
- SO = steel tape scale / Stahlmaßband
- D = DA+0,5
- SK = steel tape scale with adhesive tape / Stahlmaßband mit Klebeband
- D = DA+0,9

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		MSS15 MSS15 Anschlussmaße / Mating Dimensions				Tolerances as per ISO 8015		
	Scale	Format							
Dimensions in mm	1:1	A3					General Tolerances ISO 2768:1989-mH ≤ 6:±0.2		
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 www.rsف.at				Released		Version	Revision	Sheet	Page
				12.02.2024	D1279484-02 - A-01				1 of 1