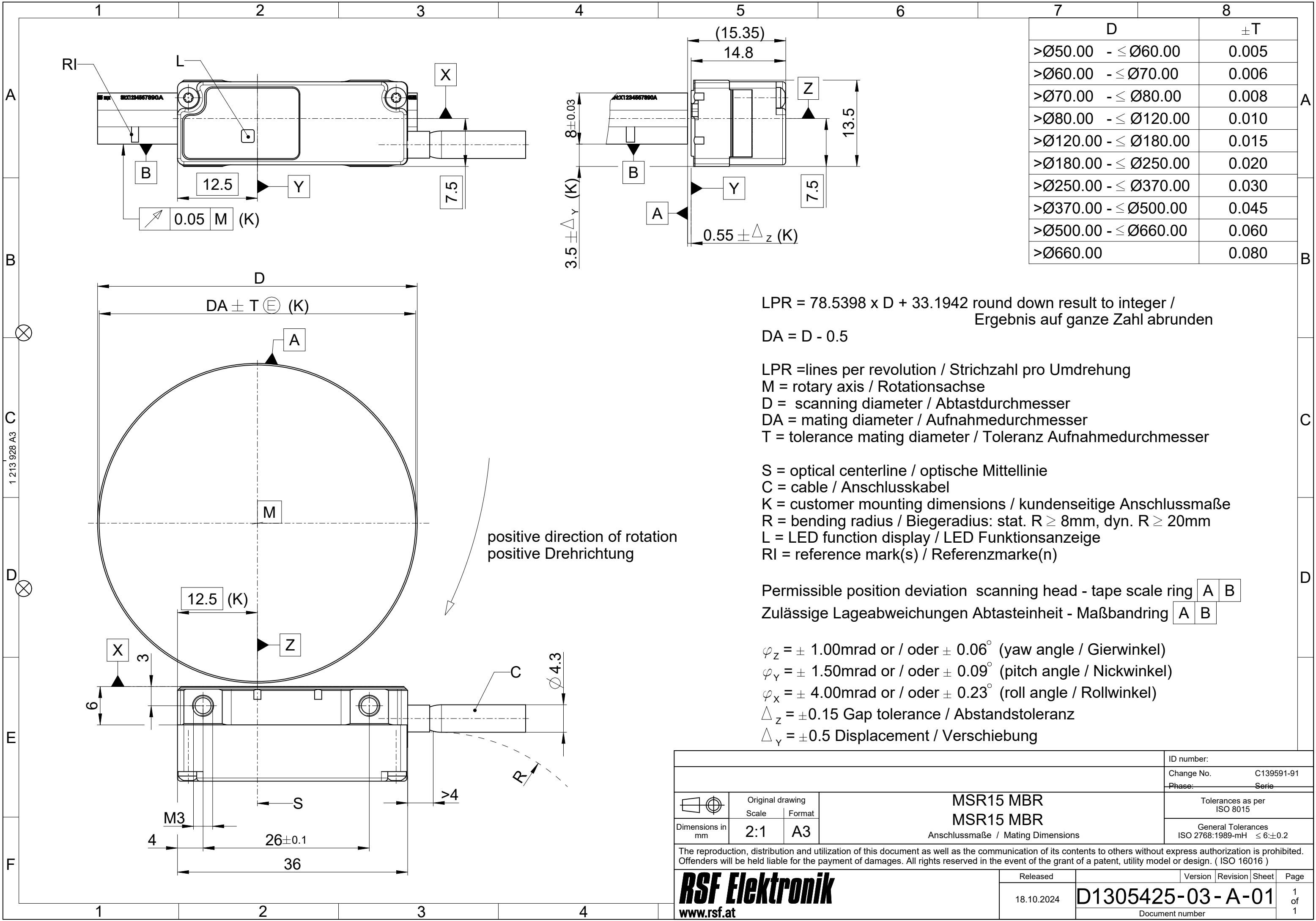




D	±T
>Ø50.00 - ≤ Ø60.00	0.005
>Ø60.00 - ≤ Ø70.00	0.006
>Ø70.00 - ≤ Ø80.00	0.008
>Ø80.00 - ≤ Ø120.00	0.010
>Ø120.00 - ≤ Ø180.00	0.015
>Ø180.00 - ≤ Ø250.00	0.020
>Ø250.00 - ≤ Ø370.00	0.030
>Ø370.00 - ≤ Ø500.00	0.045
>Ø500.00 - ≤ Ø660.00	0.060
>Ø660.00	0.080

LPR = 78.5398 x D + 33.1942 round down result to integer /
Ergebnis auf ganze Zahl abrunden

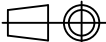
DA = D - 0.5

LPR =lines per revolution / Strichzahl pro Umdrehung
M = rotary axis / Rotationsachse
D = scanning diameter / Abtastdurchmesser
DA = mating diameter / Aufnahmedurchmesser
T = tolerance mating diameter / Toleranz Aufnahmedurchmesser

S = optical centerline / optische Mittellinie
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
RI = reference mark(s) / Referenzmarke(n)

Permissible position deviation scanning head - tape scale ring A B
Zulässige Lageabweichungen Abtasteinheit - Maßbandring A B

$\varphi_Z = \pm 1.00\text{mrad}$ or / oder $\pm 0.06^\circ$ (yaw angle / Gierwinkel)
 $\varphi_Y = \pm 1.50\text{mrad}$ or / oder $\pm 0.09^\circ$ (pitch angle / Nickwinkel)
 $\varphi_X = \pm 4.00\text{mrad}$ or / oder $\pm 0.23^\circ$ (roll angle / Rollwinkel)
 $\Delta_Z = \pm 0.15$ Gap tolerance / Abstandstoleranz
 $\Delta_Y = \pm 0.5$ Displacement / Verschiebung

			ID number:					
			Change No.	C139591-91				
			Phase:	Serie				
	Original drawing		MSR15 MBR MSR15 MBR Anschlussmaße / Mating Dimensions		Tolerances as per ISO 8015			
	Scale	Format						
Dimensions in mm	2:1	A3	General Tolerances ISO 2768:1989-mH ≤ 6:±0.2					
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