



D	±T
Ø59,93	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 - ≤ Ø350.23	0.030

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 (4740 ... 27540)
M = rotary axis / Rotationsachse
D = scanning diameter / Abtastdurchmesser (Ø59.93 ... Ø350.23)
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 of the scanning unit relative to the shaft **A B**
Zulässige Lageabweichungen der Abtasteinheit zur Welle **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.	C157360-23
		Phase:	Serie
	Original drawing	MBR MSR15 MBR MSR15 Anschlussmaße / Mating Dimensions	
	Scale		
Dimensions in mm	2:1	A3	Tolerances as per ISO 8015
			General Tolerances ISO 2768:1989-mH ≤ 6:±0.2
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