

M = machine guideway / Maschinenführung  
 ML = measuring length / Messlänge  
 OL = overall length / Gesamtlänge  
 $\longleftrightarrow = 0 \dots ML$   
 $\odot$  = beginning of the measuring length / Beginn der Messlänge  
 RI = reference mark / Referenzmarke  
 k = any position of selected reference mark starting from the beginning of the ML  
 beliebige Position der ausgewählten Referenzmarke vom Beginn der ML  
 j = additional reference marks space  $n \times 50$   
 zusätzliche Referenzmarken im Abstand von  $n \times 50$   
 S1, S2 = switch signal / Schaltsignal  
 f =  $ML / 2 + 30$  (standard) or any position of the clamping element (on request)  
 $ML / 2 + 30$  (Standard) oder beliebige Positon des Klemmelements (auf Anfrage)  
 C = cable / Anschlusskabel  
 K = required mating dimensions / kundenseitige Anschlussmaße  
 L = LED function control / LED Funktionskontrolle  
 R = bending radius / Biegeradius  
 stat.  $R \geq 8\text{mm}$ , dyn.  $R \geq 20\text{mm}$   
 n = 1,2,3,...

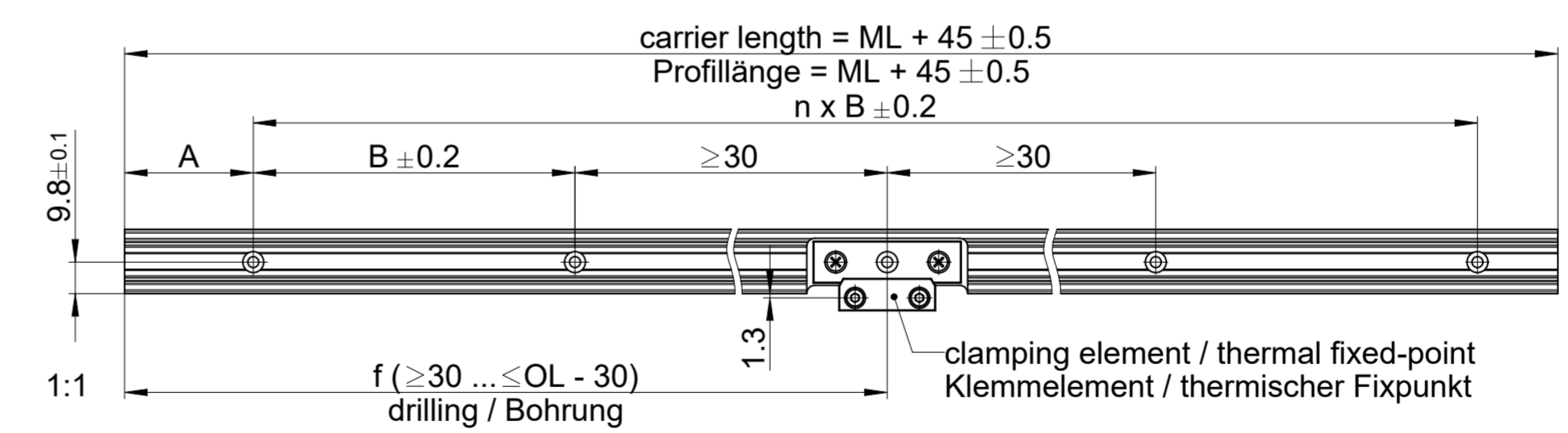
Permissible position deviation scanning head - scale tape 

A	B
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 Zulässige Lageabweichungen Abtastkopf - Maßband 

A	B
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 $\Delta_z = +0.2\text{mm} / -0.1\text{mm}$  (gap / Abstand)  
 $\Delta_y = \pm 0.5\text{mm}$  (lateral / Verschiebung)  
 $\varphi_z = \pm 0.25\text{mrad}$  or / oder  $\pm 0.014^\circ$  (yaw angle / Gierwinkel)  
 $\varphi_y = \pm 5.00\text{mrad}$  or / oder  $\pm 0.29^\circ$  (pitch angle / Nickwinkel)  
 $\varphi_x = \pm 5.00\text{mrad}$  or / oder  $\pm 0.29^\circ$  (roll angle / Rollwinkel)



measuring length Messlänge	A	B
120	40	50
170	40	75
from ML 220 ab ML 220	A	B
x20 e.g. / z.B. 320	40	100
x70 e.g. / z.B. 770	65	100
xx40 e.g. / z.B. 3040	50	100

Original drawing		MS35 MT		ID number:
Scale	Format	MS35 MT		Change No. C157360-13
1:1	A2	Anschlussmaße / Mating Dimensions		Phase: Serie
Tolerances as per ISO 8015				General Tolerances ISO 2768:1989-mH ≤ 6±0.2
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01.12.2023		D1212167-02-A-01		1 of 1
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