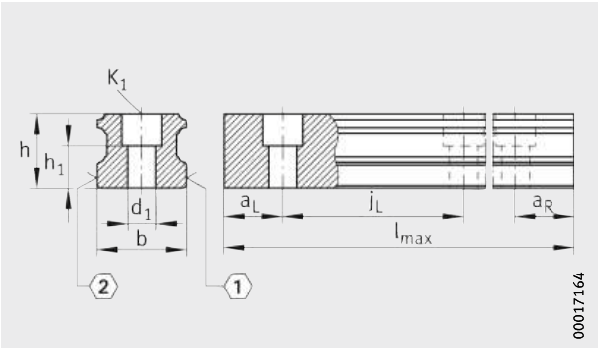
Six-row linear recirculating ball bearing and guideway assemblies

Guideways and closing methods



TKSD

Dimension table · Dimensions in mm

Designation	For linear guidance system	Mass m ≈ kg/m	Closing plug[1]		Covering strip[2]		
			Plastic[4] one-piece	Brass one-piece	Adhesive bonded	Clip fit	Retaining plate
TKSD20	KUSE20	2,3	KA10-TN	KA10-M	–	–	–
TKSD20-U			–	–			
TKSD20-ADB			–	–	ADB13	–	HPL.ADB9-B
TKSD20-ADK					–	ADK12	
TKSD25	KUSE25	3,1	KA11-TN	KA11-M	–	–	–
TKSD25-U			–	–			
TKSD25-ADB			–	–	ADB13	–	HPL.ADB9-B
TKSD25-ADK					–	ADK12	
TKSD30	KUSE30	4,4	KA15-TN	KA15-M	–	–	–
TKSD30-ADB			–	–	ADB18	–	HPL.ADB17-B
TKSD30-ADK					–	ADK16	
TKSD35	KUSE35	6,5	KA15-TN	KA15-M	–	–	–
TKSD35-ADB			–	–	ADB18	–	HPL.ADB17-B
TKSD35-ADK					–	ADK16	
TKSD45	KUSE45	11,3	KA20-TN	KA20-M	–	–	–
TKSD45-ADB			–	–	ADB23	–	HPL.ADB17-B
TKSD45-ADK					–	ADK21	

〈1〉 Locating face. 〈2〉 Marking.

1) Closing plugs, see page 261.

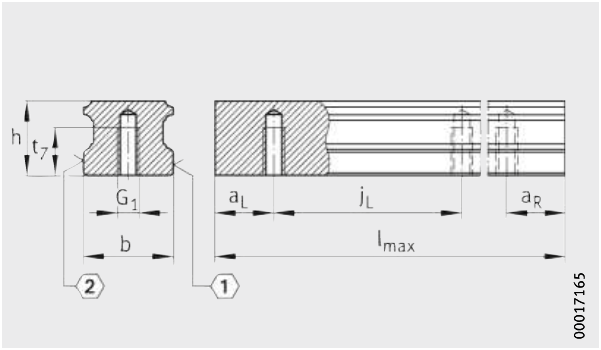
2) Covering strips, see page 262.

3) The stated torques represent maximum values for the secure transmission of forces in vibration-free, quasistatic applications ($S_0 = 1$). We recommend that the tightening torques for the screw connection of the adjacent construction should be determined at the customer under the conditions specific to the application and operation, observing the information in VDI Guideline 2230 Part 1 (2015) and the information in this description, see page 69 and page 26.

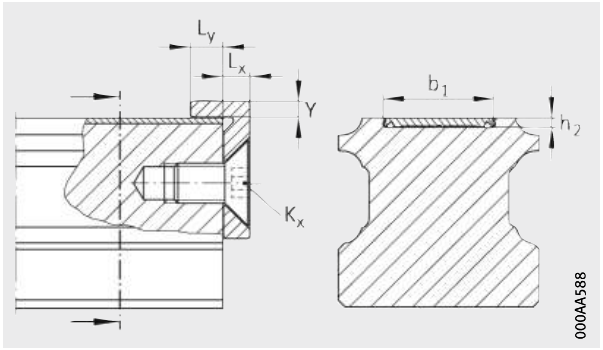
4) Standard.

5) Maximum length of single-piece guideways. Permissible number of guideway segments, see page 227.

6) a_L and a_R are dependent on the guideway length.

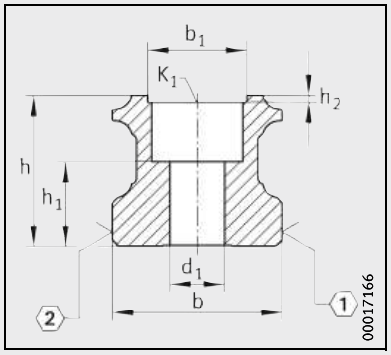


TKSD..-U

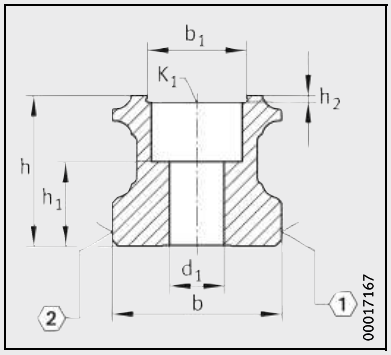


Retaining plate and covering strip

Dimensions													Fixing screws[3]				
K_x	L_x	L_y	Y	l_{max}[5]	h	b $^{-0,005}_{-0,035}$	a_L, a_R[6] min.	a_L, a_R[6] max.	j_L	h_1	h_2	t_7	b_1	G_1	M_A Nm	K_1	M_A Nm	d_1
														DIN ISO 4762-12.9				
–	–	–	–	3 900	18	20	20	53	60	9,8	–	–	–	–	–	M5	10	5,8
												10	–	M6	17	–	–	–
M5	4	5	2								0,5	–	13	–	–	M5	10	5,8
											1,1		12,6					
–	–	–	–	5 880	21,7	23	20	53	60	12,4	–	–	–	–	–	M6	17	6,8
												12	–	M6	17	–	–	–
M5	4	5	2								0,5	–	13	–	–	M6	17	6,8
											1,1		12,6					
–	–	–	–	5 860	25	28	20	71	80	13,5	–	–	–	–	–	M8	41	9
M6	4	5	2,5								0,5	–	18					
											1,1		16,6					
–	–	–	–	5 860	29,7	34	20	71	80	18,2	–	–	–	–	–	M8	41	9
M6	4	5	2,5								0,5	–	18					
											1,1		16,6					
–	–	–	–	5 835	37,2	45	20	94	105	21,7	–	–	–	–	–	M12	140	13,4
M6	4	5	2,5								0,5	–	23					
											1,1		21,7					



TKSD..-ADB



TKSD..-ADK