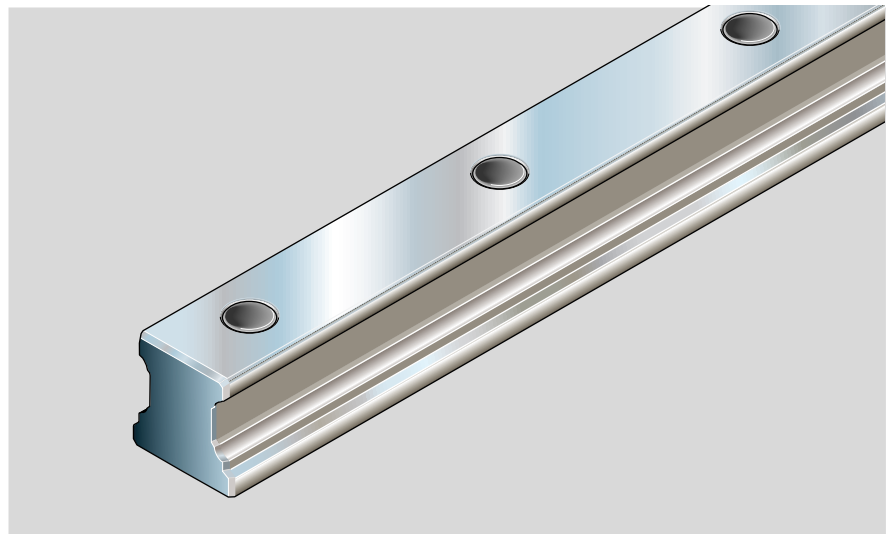


Rexroth Ball Rail Systems

Standard Guide Rails

Guide rails 1605-.0.-

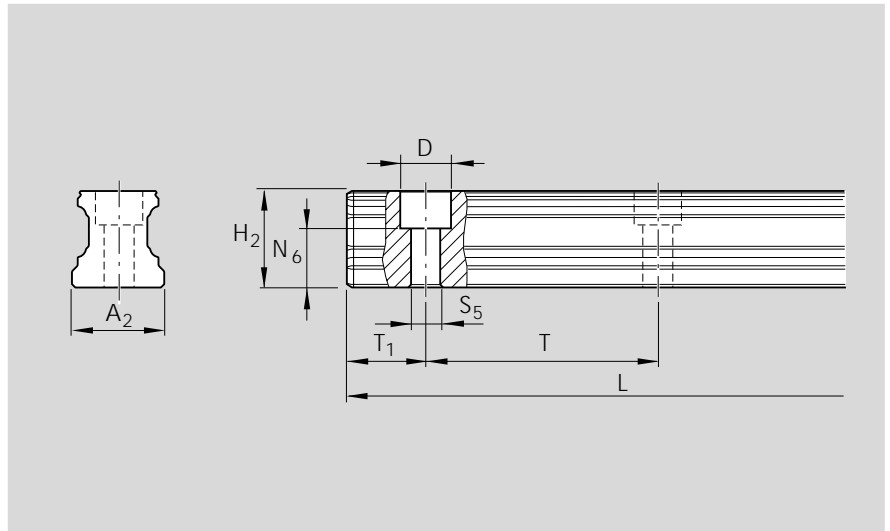
For mounting from above,
with plastic mounting hole plugs
(supplied)



Part numbers and rail lengths

Size	Accuracy class	Guide rail		Spacing T (mm)	Recommended rail length																																			
		one-part Part number, Rail length L (mm)	composite Part number, Number of sections Rail length L (mm)		Number of holes n_B / Rail length L (mm)																																			
15	UP	1605-109-31,....	1605-109-3,.....	60	<table border="1"> <tr><td>2 / 116</td><td>7 / 416</td><td>12 / 716</td><td>20 / 1196</td><td>40 / 2396</td></tr> <tr><td>3 / 176</td><td>8 / 476</td><td>13 / 776</td><td>22 / 1316</td><td>50 / 2996</td></tr> <tr><td>4 / 236</td><td>9 / 536</td><td>14 / 836</td><td>25 / 1496</td><td>60 / 3596</td></tr> <tr><td>5 / 296</td><td>10 / 596</td><td>16 / 956</td><td>30 / 1796</td><td>66 / 3956</td></tr> <tr><td>6 / 356</td><td>11 / 656</td><td>18 / 1076</td><td>35 / 2096</td><td></td></tr> </table>					2 / 116	7 / 416	12 / 716	20 / 1196	40 / 2396	3 / 176	8 / 476	13 / 776	22 / 1316	50 / 2996	4 / 236	9 / 536	14 / 836	25 / 1496	60 / 3596	5 / 296	10 / 596	16 / 956	30 / 1796	66 / 3956	6 / 356	11 / 656	18 / 1076	35 / 2096							
	2 / 116	7 / 416	12 / 716							20 / 1196	40 / 2396																													
	3 / 176	8 / 476	13 / 776							22 / 1316	50 / 2996																													
	4 / 236	9 / 536	14 / 836							25 / 1496	60 / 3596																													
	5 / 296	10 / 596	16 / 956							30 / 1796	66 / 3956																													
6 / 356	11 / 656	18 / 1076	35 / 2096																																					
SP	1605-101-31,....	1605-101-3,.....																																						
P	1605-102-31,....	1605-102-3,.....																																						
H	1605-103-31,....	1605-103-3,.....																																						
N	1605-104-31,....	1605-104-3,.....																																						
20	UP	1605-809-31,....	1605-809-3,.....																																					
	SP	1605-801-31,....	1605-801-3,.....																																					
	P	1605-802-31,....	1605-802-3,.....																																					
	H	1605-803-31,....	1605-803-3,.....																																					
	N	1605-804-31,....	1605-804-3,.....																																					
25	UP	1605-209-31,....	1605-209-3,.....	For size 15: max. 50/2996																																				
	SP	1605-201-31,....	1605-201-3,.....																																					
	P	1605-202-31,....	1605-202-3,.....																																					
	H	1605-203-31,....	1605-203-3,.....																																					
	N	1605-204-31,....	1605-204-3,.....																																					
30	UP	1605-709-31,....	1605-709-3,.....	80	<table border="1"> <tr><td>2 / 156</td><td>7 / 556</td><td>12 / 956</td><td>20 / 1596</td><td>40 / 3196</td></tr> <tr><td>3 / 236</td><td>8 / 636</td><td>13 / 1036</td><td>22 / 1756</td><td>50 / 3996</td></tr> <tr><td>4 / 316</td><td>9 / 716</td><td>14 / 1116</td><td>25 / 1996</td><td></td></tr> <tr><td>5 / 396</td><td>10 / 796</td><td>16 / 1276</td><td>30 / 2396</td><td></td></tr> <tr><td>6 / 476</td><td>11 / 876</td><td>18 / 1436</td><td>35 / 2796</td><td></td></tr> </table>					2 / 156	7 / 556	12 / 956	20 / 1596	40 / 3196	3 / 236	8 / 636	13 / 1036	22 / 1756	50 / 3996	4 / 316	9 / 716	14 / 1116	25 / 1996		5 / 396	10 / 796	16 / 1276	30 / 2396		6 / 476	11 / 876	18 / 1436	35 / 2796							
	2 / 156	7 / 556	12 / 956							20 / 1596	40 / 3196																													
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	4 / 316	9 / 716	14 / 1116							25 / 1996																														
	5 / 396	10 / 796	16 / 1276							30 / 2396																														
6 / 476	11 / 876	18 / 1436	35 / 2796																																					
SP	1605-701-31,....	1605-701-3,.....																																						
P	1605-702-31,....	1605-702-3,.....																																						
H	1605-703-31,....	1605-703-3,.....																																						
N	1605-704-31,....	1605-704-3,.....																																						
35	UP	1605-309-31,....	1605-309-3,.....																																					
	SP	1605-301-31,....	1605-301-3,.....																																					
	P	1605-302-31,....	1605-302-3,.....																																					
	H	1605-303-31,....	1605-303-3,.....																																					
	N	1605-304-31,....	1605-304-3,.....																																					
45	UP	1605-409-31,....	1605-409-3,.....	105	<table border="1"> <tr><td>2 / 204</td><td>7 / 729</td><td>12 / 1254</td><td>20 / 2094</td><td>38 / 3984</td></tr> <tr><td>3 / 309</td><td>8 / 834</td><td>13 / 1359</td><td>22 / 2304</td><td></td></tr> <tr><td>4 / 414</td><td>9 / 939</td><td>14 / 1464</td><td>25 / 2619</td><td></td></tr> <tr><td>5 / 519</td><td>10 / 1044</td><td>16 / 1674</td><td>30 / 3144</td><td></td></tr> <tr><td>6 / 624</td><td>11 / 1149</td><td>18 / 1884</td><td>35 / 3669</td><td></td></tr> </table>					2 / 204	7 / 729	12 / 1254	20 / 2094	38 / 3984	3 / 309	8 / 834	13 / 1359	22 / 2304		4 / 414	9 / 939	14 / 1464	25 / 2619		5 / 519	10 / 1044	16 / 1674	30 / 3144		6 / 624	11 / 1149	18 / 1884	35 / 3669							
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	5 / 519	10 / 1044	16 / 1674							30 / 3144																														
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SP	1605-401-31,....	1605-401-3,.....																																						
P	1605-402-31,....	1605-402-3,.....																																						
H	1605-403-31,....	1605-403-3,.....																																						
N	1605-404-31,....	1605-404-3,.....																																						
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	2 / 234	7 / 834	12 / 1434													20 / 2394																								
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SP	1605-601-31,....	1605-601-3,.....																																						
P	1605-602-31,....	1605-602-3,.....																																						
H	1605-603-31,....	1605-603-3,.....																																						
N	1605-604-31,....	1605-604-3,.....																																						

Dimensions and masses



Size	Dimension (mm)									Mass (kg/m)
	A_2	$H_2^{1)}$	$N_6^{\pm 0.5}$	D	S_5	$T_{1S_1}^{+0.5}$	$T_{1\min}$	T	$L_{\max}^{2)}$	
15	15	16.20	10.3	7.4	4.4	28.0	10	60	4000	1.4
20	20	20.55	13.2	9.4	6.0	28.0	10	60	4000	2.4
25	23	24.25	15.2	11.0	7.0	28.0	10	60	4000	3.2
30	28	28.35	17.0	15.0	9.0	38.0	12	80	4000	5.0
35	34	31.85	20.5	15.0	9.0	38.0	12	80	4000	6.8
45	45	39.85	23.5	20.0	14.0	50.5	16	105	4000	10.5
55	53	47.85	29.0	24.0	16.0	58.0	18	120	4000	16.2
65	63	59.85	38.5	26.0	18.0	73.0	20	150	4000	22.4

¹⁾ Dimension H_2 without rail seal cover strip

²⁾ For sizes 20 – 45, one-piece guide rails up to approx. 6000 mm in length can be supplied in special cases.