

9 Dimensions

9.1 Rail and ball slide assembly (preloaded type, interchangeable type)

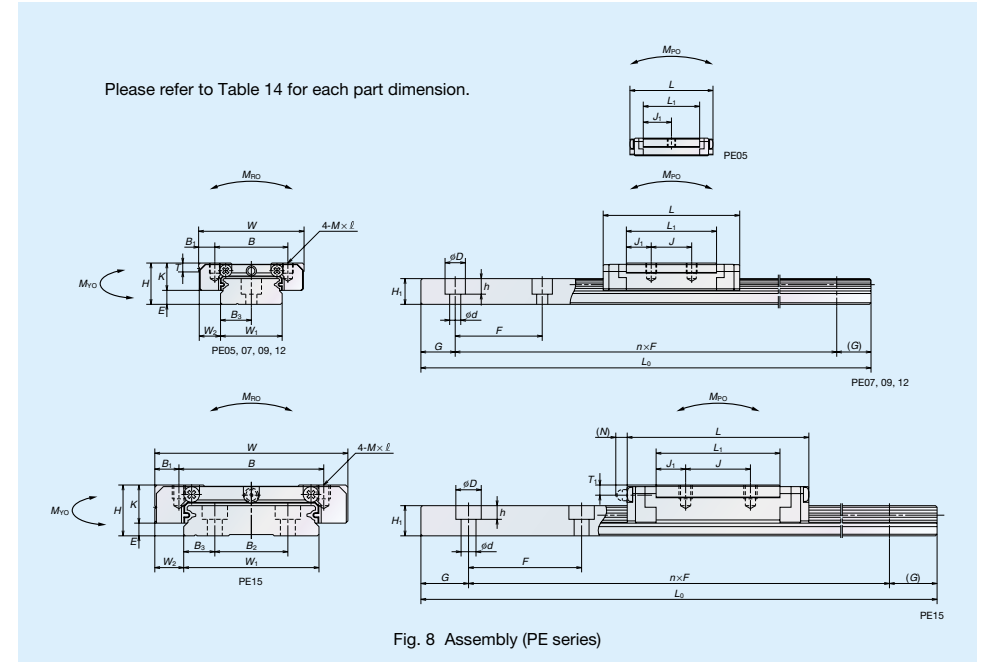
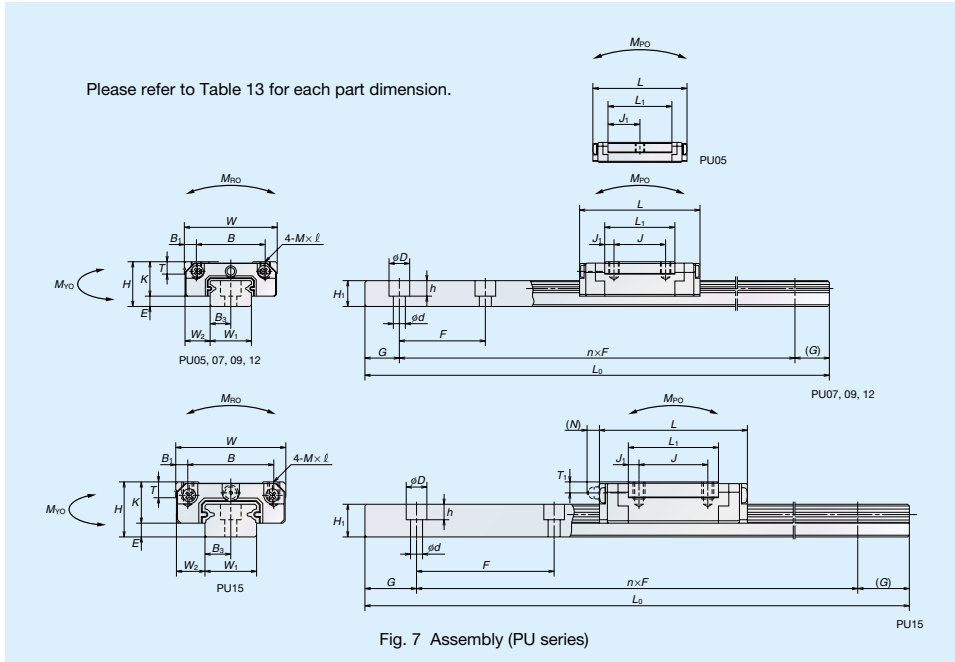


Table 10 Dimensions (PU series)

Model No.	Assembly			Ball slide													
	Height <i>H</i>	<i>E</i>	<i>W₂</i>	Width <i>W</i>	Length <i>L</i>	Mounting tap hole						Grease fitting					
						<i>B</i>	<i>J</i>	<i>M</i> ×Pitch× <i>ℓ</i>	<i>B₁</i>	<i>L₁</i>	<i>J₁</i>	<i>K</i>	<i>T</i>	Port diameter	<i>T₁</i>	<i>N</i>	
PU05TR	6	1	3.5	12	19.4	8	—	M2×0.4×1.5	2	11.4	5.7	5	2.3	—	—	—	
PU07AR	8	1.5	5	17	23.4	12	8	M2×0.4×2.4	2.5	13.3	2.65	6.5	2.45	—	—	—	
PU09TR	10	2.2	5.5	20	30	15	10	M3×0.5×3	2.5	19.6	4.8	7.8	2.6	—	—	—	
PU12TR	13	3	7.5	27	35	20	15	M3×0.5×3.5	3.5	20.4	2.7	10	3.4	—	—	—	
PU15AL	16	4	8.5	32	43	20	20	M3×0.5×5	3.5	26.2	3.1	12	4.4	∅3	3.2	(3.3)	

Table 11 Dimensions (PE series)

Model No.	Assembly			Ball slide													
	Height <i>H</i>	<i>E</i>	<i>W₂</i>	Width <i>W</i>	Length <i>L</i>	Mounting tap hole						Grease fitting					
						<i>B</i>	<i>J</i>	<i>M</i> ×Pitch× <i>ℓ</i>	<i>B₁</i>	<i>L₁</i>	<i>J₁</i>	<i>K</i>	<i>T</i>	Port diameter	<i>T₁</i>	<i>N</i>	
PE05AR	6.5	1.4	3.5	17	24.1	13	—	M2.5×0.45×1.5	2	16.4	8.2	5.1	2.5	—	—	—	
PE07TR	9	2	5.5	25	31.1	19	10	M3×0.5×2.8	3	20.8	5.4	7	3	—	—	—	
PE09TR	12	4	6	30	39.8	21	12	M3×0.5×3	4.5	26.6	7.3	8	2.8	—	—	—	
PE12AR	14	4	8	40	45	28	15	M3×0.5×4	6	31	8	10	3.2	—	—	—	
PE15AR	16	4	9	60	56.6	45	20	M4×0.7×4.5	7.5	38.4	9.2	12	4.1	∅3	3.2	(3.3)	

Rail							Basic load rating (*)					Ball diameter	Weight	
Width <i>W₁</i>	Height <i>H₁</i>	Pitch <i>F</i>	Mounting bolt hole <i>d</i> × <i>D</i> × <i>h</i>	<i>B₃</i>	<i>G</i> (recommended)	Maximum length <i>L_{0max}</i>	Dynamic <i>C</i> (N)	Static <i>C₀</i> (N)	Static moment (N·m)			<i>D_W</i>	Ball slide	Rail
									<i>M_{R0}</i>	<i>M_{P0}</i>	<i>M_{Y0}</i>		(g)	(g/100mm)
5	3.2	15	2.3×3.3×0.8	2.5	5	210	520	775	2	1	1	1	4	11
7	4.7	15	2.4×4.2×2.3	3.5	5	375	1 090	1 370	5	3	3	1.5875	8	23
9	5.5	20	3.5×6×4.5	4.5	7.5	600	1 490	2 150	10	6	6	1.5875	16	35
12	7.5	25	3.5×6×4.5	6	10	800	2 830	3 500	21	11	11	2.3812	32	65
15	9.5	40	3.5×6×4.5	7.5	15	1 000	5 550	6 600	50	26	26	3.175	59	105

(*)The basic load rating complies with ISO standards.

Rail							Basic load rating (*)					Ball diameter	Weight		
Width <i>W₁</i>	Height <i>H₁</i>	Pitch <i>F</i>	Mounting bolt hole <i>d</i> × <i>D</i> × <i>h</i>	<i>B₃</i>	<i>G</i> (recommended)	Maximum length <i>L_{0max}</i>	Dynamic <i>C</i> (N)	Static <i>C₀</i> (N)	Static moment (N·m)			<i>D_W</i>	Ball slide	Rail	
									<i>M_{R0}</i>	<i>M_{P0}</i>	<i>M_{Y0}</i>		(g)	(g/100mm)	
10	4	—	20	3×5×1.6	5	7.5	150	690	1 160	6	3	3	1	7	34
14	5.2	—	30	3.5×6×3.2	7	10	600	1 580	2 350	17	7	7	1.5875	19	55
18	7.5	—	30	3.5×6×4.5	9	10	800	3 000	4 500	37	17	17	2	35	95
24	8.5	—	40	4.5×8×4.5	12	15	1 000	4 350	6 350	71	29	29	2.3812	66	140
42	9.5	23	40	4.5×8×4.5	9.5	15	1 200	7 600	10 400	207	59	59	3.175	140	275

(*)The basic load rating complies with ISO standards.