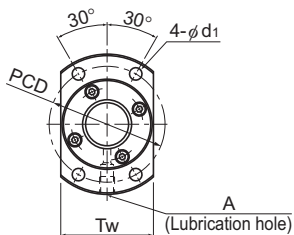
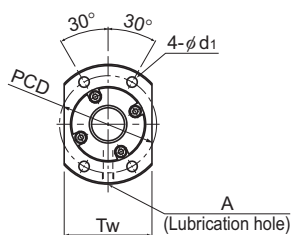


WHF No Preload

DN value	120,000
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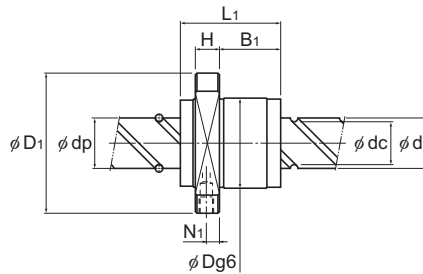
WHF1530/1540/2020/2025/
2030/2040/2550



WHF2525

Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating		Rigidity K N/μm	Nut dimensions		
						Ca kN	C _{0a} kN		Outer diameter D	Flange diameter D ₁	Overall length L ₁
WHF 1530-3.4	15	30	15.75	12.5	2×1.7	8	14.4	195	32	53	64.5
WHF 1540-3.4	15	40	15.75	12.5	2×1.7	7.7	16.3	209	34	57	81.6
WHF 2020-3.4	20	20	20.75	17.5	2×1.7	9.6	21	225	42	64	47.1
WHF 2025-3.4	20	25	20.75	17.6	2×1.7	9.8	22.3	236	39	62	56.2
WHF 2030-3.4	20	30	20.75	17.6	2×1.7	9.9	23.5	243	39	62	65.3
WHF 2040-3.4	20	40	20.75	17.5	2×1.7	9.6	20.3	256	37	57	82.7
WHF 2525-3.4	25	25	26	21.9	2×1.7	14.5	33.1	285	50	77	58.8
WHF 2550-3.4	25	50	26	21.9	2×1.7	14.4	31.9	323	45	69	103.3

Positioning Ball Screw



Unit: mm

Nut dimensions								Screw shaft inertial moment/mm kg·m ² /mm	Nut mass kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹
H	B ₁	PCD	d ₁	Tw	N ₁	Lubrication hole A					
10	47.5	43	5.5	33	5	M6	3.9×10^{-8}	0.38	1.26	5,000	
10	64.6	45	5.5	40	5	M6	3.9×10^{-8}	0.48	1.28	5,000	
10	24.1	53	5.5	46	5	M6	1.23×10^{-7}	0.49	2.25	5,000	
10	33.2	50	5.5	46	5	M6	1.23×10^{-7}	0.51	2.26	5,000	
10	43.3	50	5.5	46	5	M6	1.23×10^{-7}	0.55	2.28	5,000	
10	65.7	47	5.5	38	5	M6	1.23×10^{-7}	0.58	2.34	5,000	
12	31.3	63	6.6	56	6	M6	3.01×10^{-7}	0.65	3.52	4,610	
12	79.3	57	6.6	46	6	M6	3.01×10^{-7}	0.72	3.66	4,610	

Notes: The Model WHF can be equipped with a brush seal depending on the model number. Contact THK if you would like to use one.

The overall length of the nut will increase when equipping the QZ Lubricator. See [A15-366](#) for further details.