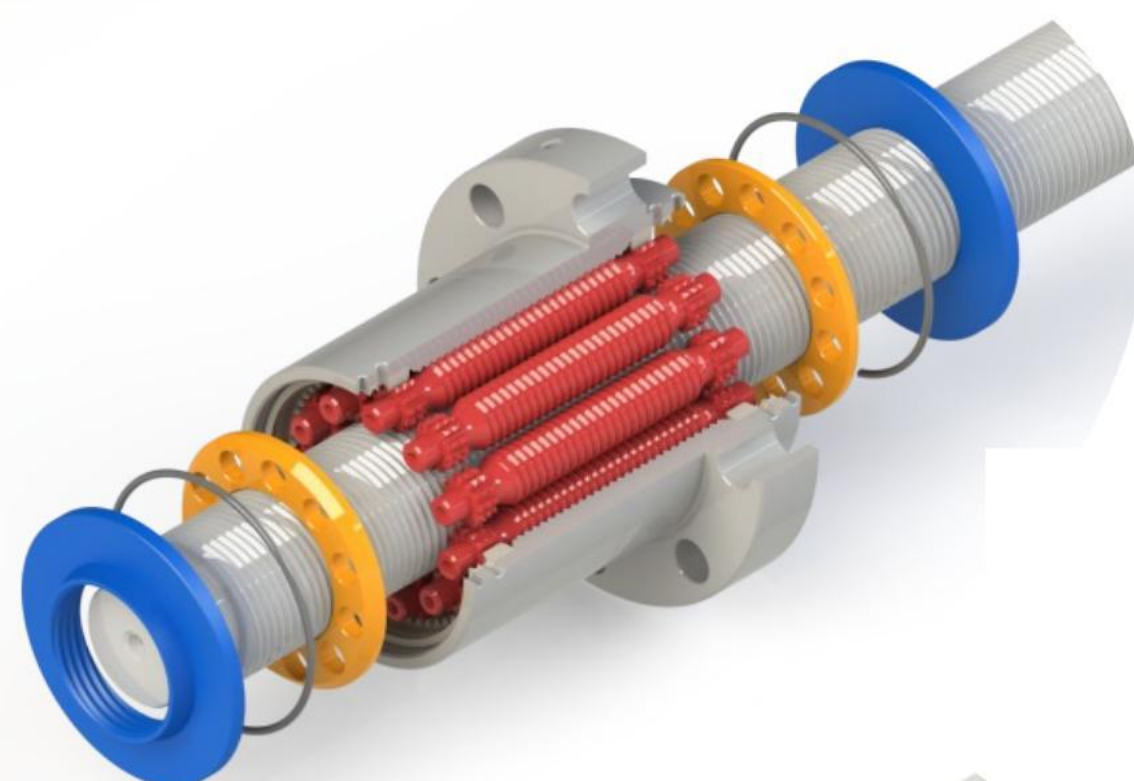




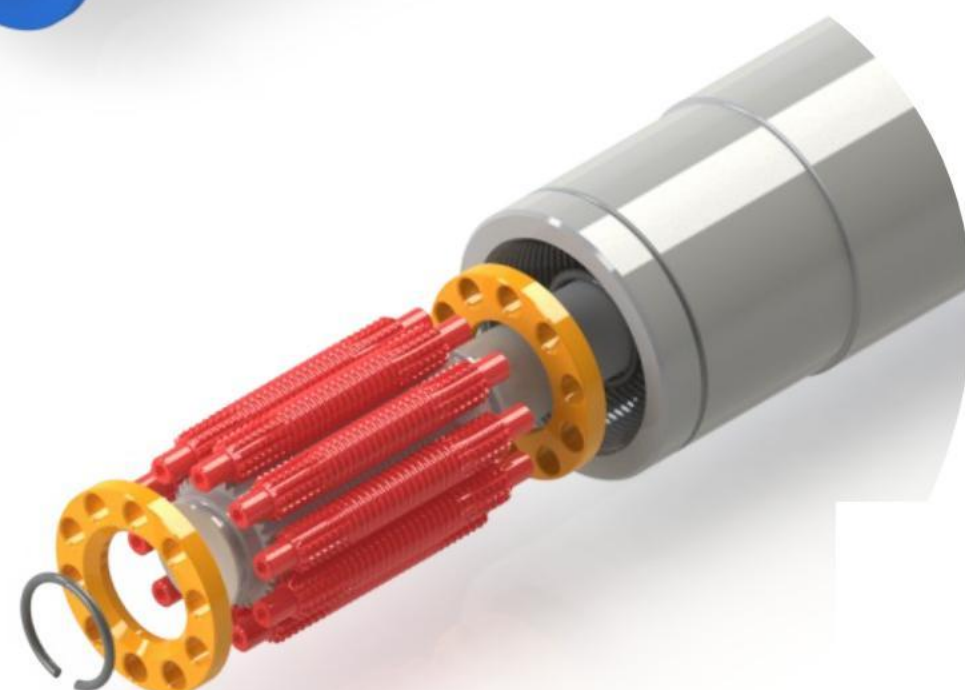
FP Series---Standard Planetary Roller Screw

The FP planetary roller screw is a non-recirculating planetary roller design that provides highly stable drive torque. It is widely used in high-load, high-speed, and high-acceleration applications, delivering higher load capacity and longer life with minimum nut dimensions. Gears are designed between the rollers and the nut to ensure stable roller operation, maintaining excellent running performance even under the harshest conditions.



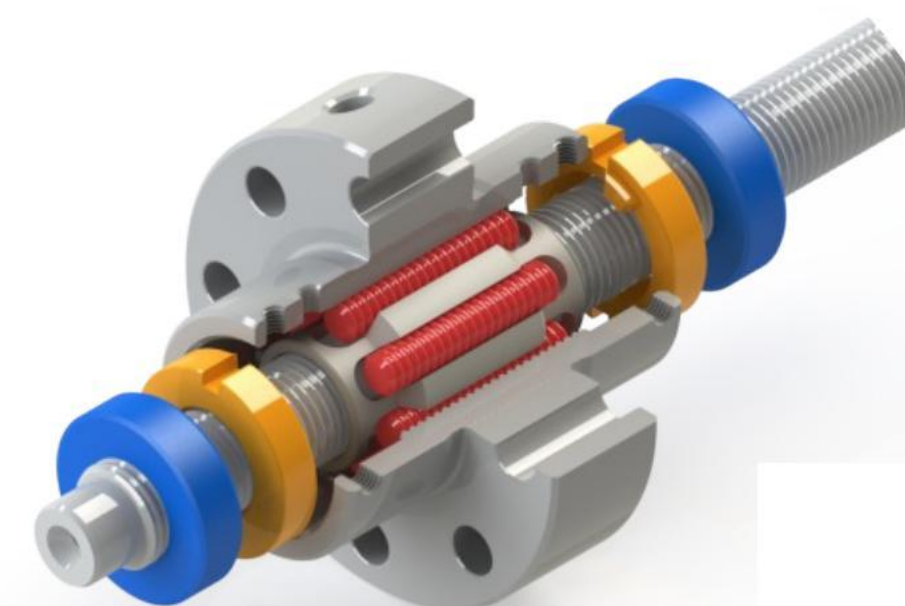
FPH Series---Heavy-Duty Planetary Roller Screw

The FPH planetary roller screw is designed with optimized dimensions based on the FP type. The nut length is longer, adding more contact points, thereby giving the planetary roller screw higher load capacity and longer life.



FPI Series---Inverted Planetary Roller Screw

The FPI inverted planetary roller screw features rollers that do not perform axial rotational movement along the screw. Its stroke motion takes place in the internal thread of the nut, where rotation of the nut drives the forward and backward movement of the screw shaft. A smaller lead enables a higher rated load, thereby reducing drive torque. The more compact dimensions make customer product design more convenient and save more design space. Gears are designed between the rollers and the screw shaft, providing smoother and more stable synchronous rotational motion.



FPR Series---Recirculating Planetary Roller Screw

The FPR planetary roller screw features a recirculating roller design. Each roller is contained within an evenly divided cage, and the motion pattern is controlled by cams on both sides. This design provides extremely high positioning accuracy, resolution, and rigidity while also ensuring extremely high load capacity. It is suitable for high-precision, medium-to-low speed operation.

Flange Type

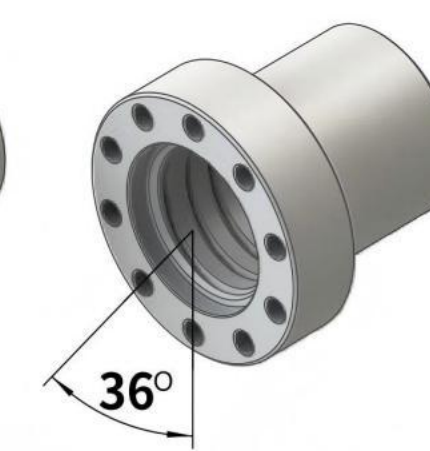
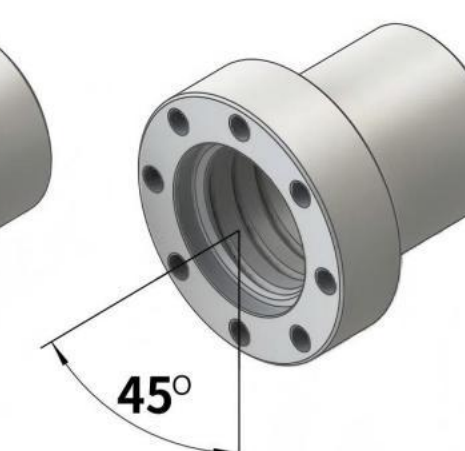
Type A



Type B



Type C



FP	021	05	R	150	/	320	2	1	0	G3
①	②	③	④	⑤		⑥	⑦	⑧	⑨	⑩
① Products Series			③ Lead			⑥ Screw Total Length				
FP	Standard Planetary Roller Screw		1	1mm		320	320mm			
FPH	Heavy-Duty Planetary Roller Screw		1.5	1.5mm						
FPI	Inverted Planetary Roller Screw		2	2mm		⑦ Nut Structure				
FPR	Recirculating Planetary Roller Screw		3	3mm		1	Single Nut			
			4	4mm		2	Double Nut			
			5	5mm		3	Preloaded Nut			
			6	6mm						
			7	7mm		⑧ Nut Mounting Type				
			8	8mm		1	Cylindrical Nut			
			9	9mm		5	Single Flange Nut			
			10	10mm		6	Center Flange Nut			
						7	Special Flange Nut			
			④ Thread Direction			⑨ Dust Wiper				
			R	Right-hand Thread		0	Without Dust Wiper			
			L	Left-hand Thread		1	With Dust Wiper			
			Q	Left & Right-hand Thread						
			⑤ Raceway Length			⑩ Accuracy Grade				
			150	150mm		G1	6 μm / 300mm			
						G3	12 μm / 300mm			
						G5	23 μm / 300mm			
						G7	52 μm / 300mm			

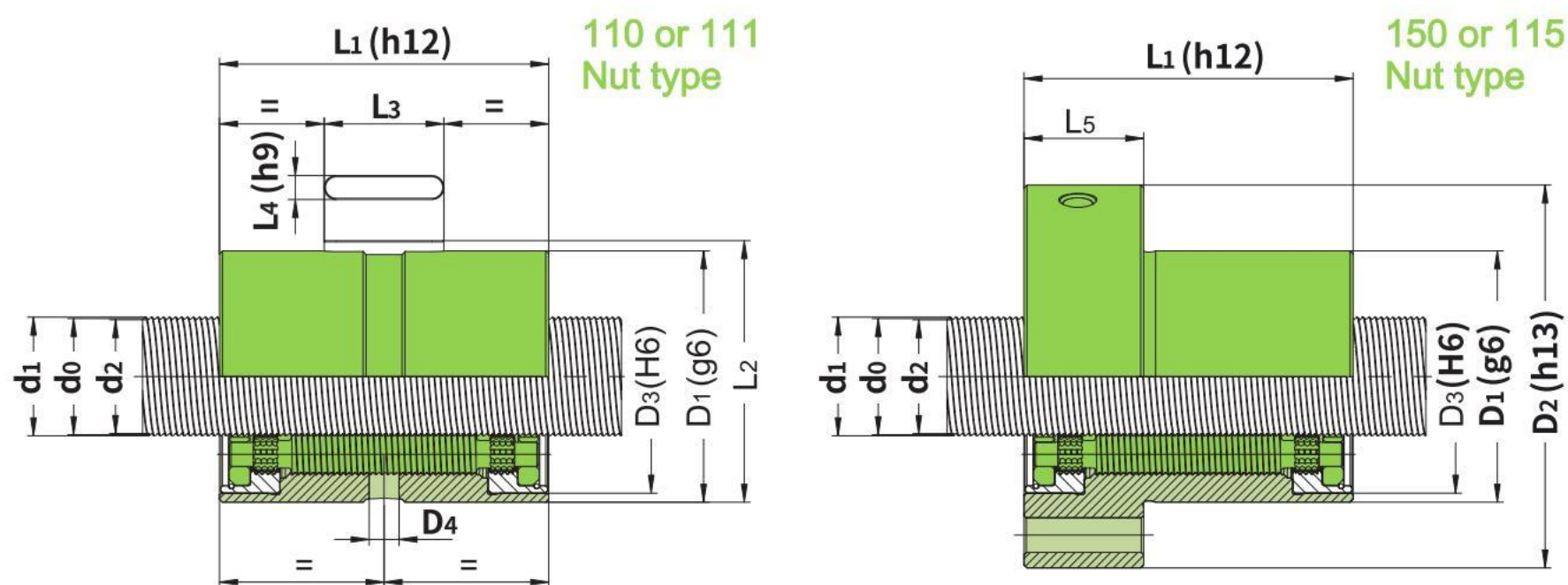
FP Series---Standard Planetary Roller Screw																
Shaft Diameter	Lead P															
	2	3	4	5	6	8	10	12	15	18	20	24	25	30	35	36
8	●	○	●													
12	●	●	●	●	●	●										
15	●	●	●	●	●	●										
18	●	●	●	●	●	●	●									
21	●	○	○	●	●	●	●									
24	●		●	●	○●	●	●	○	○							
27	●		●	●	●	●	●		○							
30	○		○	●	●	●	●		●		●		○	○		
36	○		○	●	○●	●	●	○	●	○	●	○	●			
39	○		○	●	●	●	●		●		●		●			
48				●	○		●	○	●	○	●	○	●	●		
51				●			●		●		●		●			
60				●	○		●	○	●	○	●		●	○●	●	
75							●		●		●		●	●		
80								○		○		○		○		
87							●		●		●		●	●		
99/100								○	●	○	●	○	●	○●	●	
120									●	○	●	○	●	○●	●	○

● Regular Stock
○ Custom Production Available

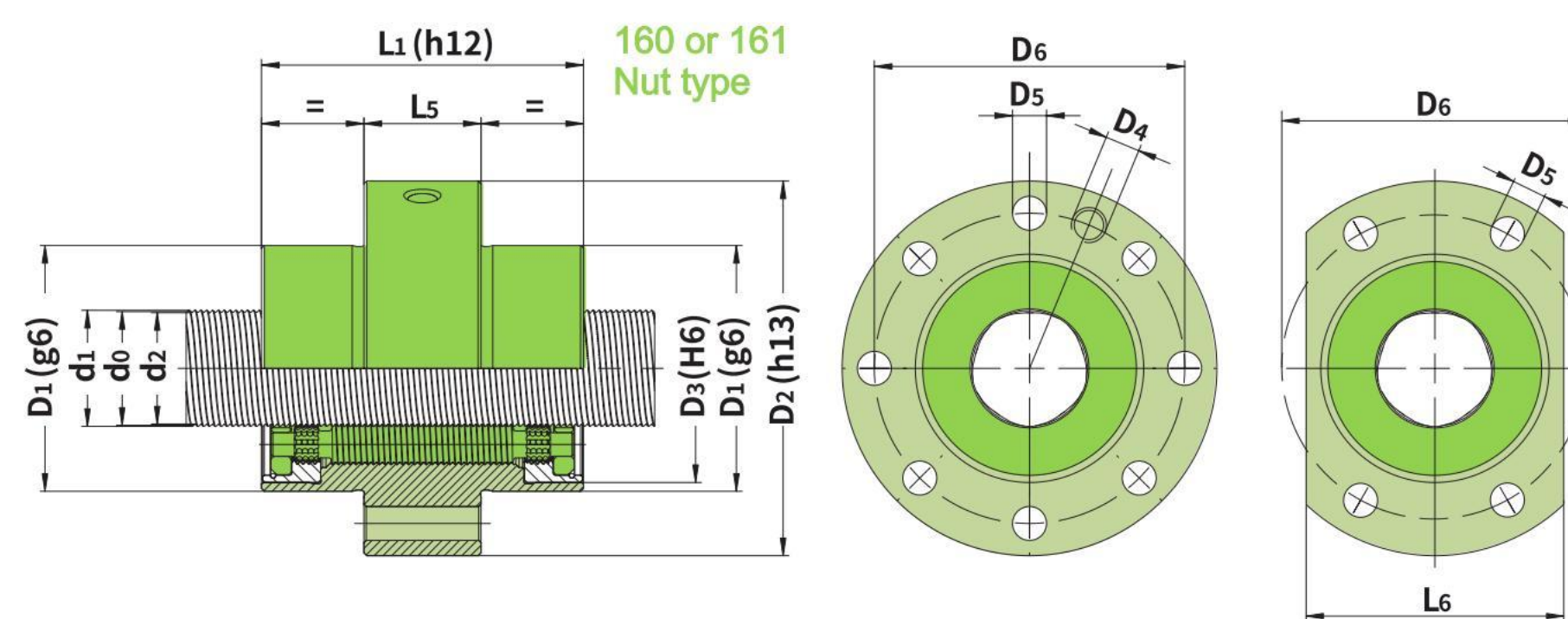
FPI Series---Inverted Planetary Roller Screw											
Shaft Diameter	Lead P										
	1	1.5	2	3	4	5	6	7	8	9	10
6	●		●								
7	●		●								
8	●		●								
9		●	●								
10		●	●								
12		●	●								
13		●	●								
15		●	●	●							
18		●	●	●							
21			●	●	●						
24			●	●	●	●					
27			●	●	●	●					
30			●	●	●	●	●				
36			●	●	●	●	●	●			
39				●	●	●	●	●	●		
48				●	●	●	●	●	●	●	●

FPH Series---Heavy-Duty Planetary Roller Screw						
Shaft Diameter	Lead P					
	15	20	25	30	35	40
60	●	●	●	●		
75	●	●	●	●		
87	●	●	●	●		
99	●	●	●	●	●	
112	●	●	●	●	●	
120	●	●	●	●	●	●

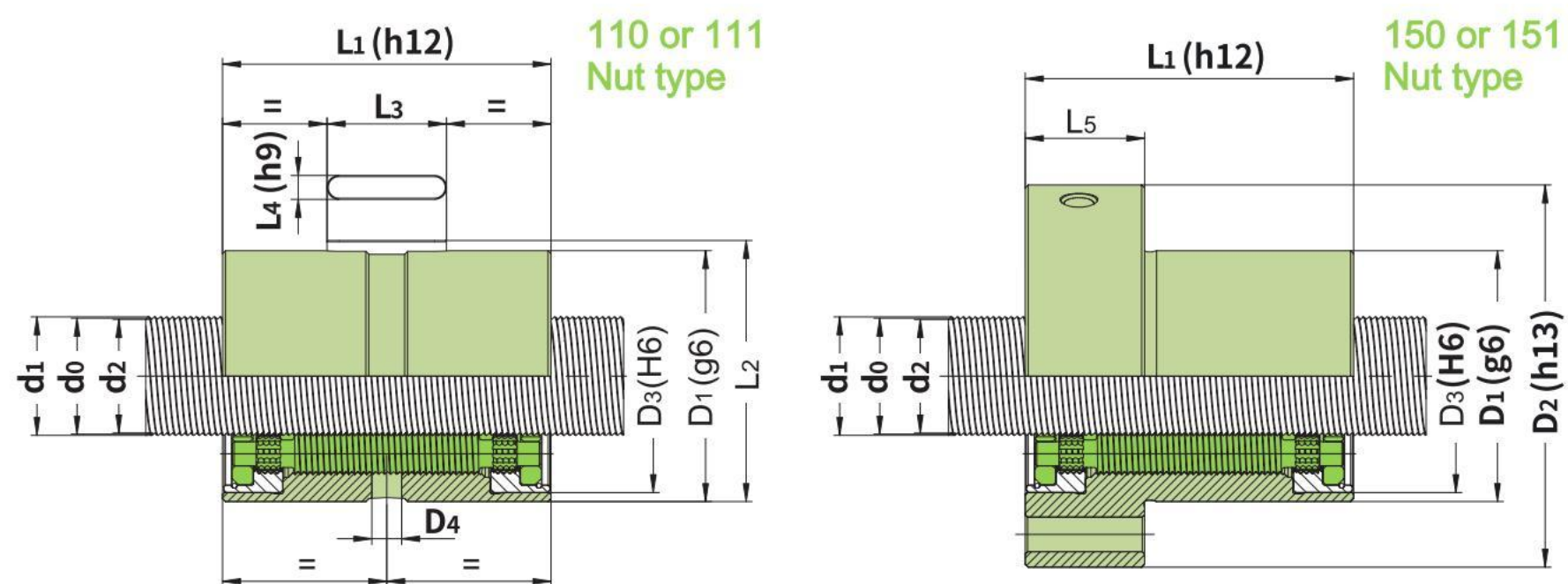
FPR Series---Recirculating Planetary Roller Screw				
Shaft Diameter	Lead P			
	1.5	2	3	4
3	●	●		
3.5	●	●		
5	●	●	●	
7		●	●	●
8		●	●	●
10		●	●	●



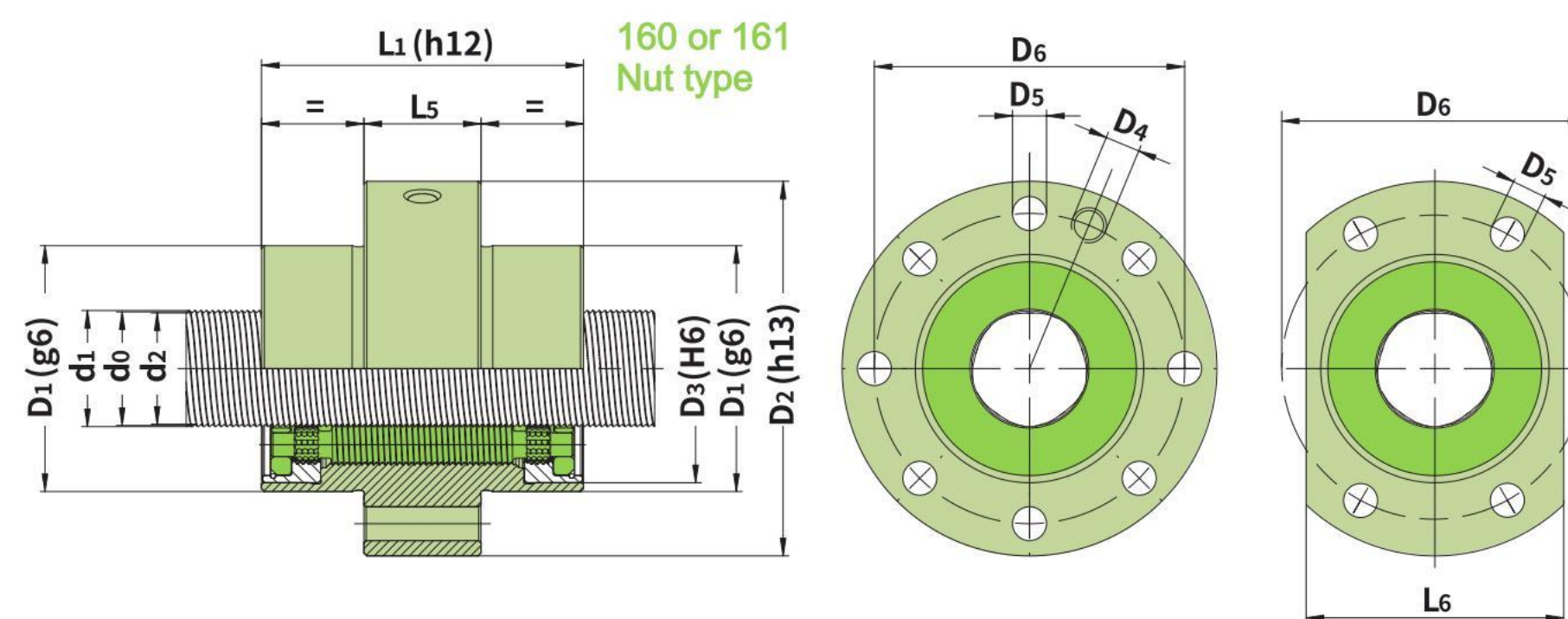
公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantity
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	d	P	N	β	η	η'	C _a	C _o	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s
FP00802	8	2	4	4.55	0.88	0.87	10	20	36	0.02	3.2	11.4	0.2	0.8	4
FP00803		3		6.81	0.89	0.88	10	18	27	0.04					
FP00804		4		9.04	0.88	0.87	11	18	23	0.05					
FP01202	12	2	5	3.04	0.86	0.83	15	27	48	0.02	16	22.9	0.3	1.4	6
FP01203		3		4.55	0.88	0.87	16	26	38	0.02					
FP01204		4		6.06	0.89	0.88	17	27	33	0.03					
FP01205		5		7.55	0.89	0.88	18	27	30	0.05					
FP01206		6		9.04	0.89	0.87	18	27	27	0.05					
FP01208		8		11.98	0.86	0.83	19	25	22	0.05					
FP01502	15	2	5	2.43	0.84	0.80	25	55	67	0.02	39	45.2	1.2	2.3	7
FP01503		3		3.64	0.87	0.85	26	51	51	0.02					
FP01504		4		4.85	0.88	0.87	27	50	43	0.03					
FP01505		5		6.06	0.89	0.88	29	52	39	0.04					
FP01506		6		7.26	0.89	0.88	30	51	36	0.05					
FP01508		8		9.63	0.88	0.86	31	50	31	0.05					
FP01802	18	2	5	2.03	0.82	0.77	32	76	77	0.02	81	81	3	4	8
FP01803		3		3.04	0.86	0.83	35	76	62	0.02					
FP01804		4		4.05	0.88	0.86	38	76	53	0.02					
FP01805		5		5.05	0.89	0.87	37	68	44	0.03					
FP01806		6		6.06	0.89	0.88	39	70	41	0.04					
FP01808		8		8.05	0.89	0.87	40	67	35	0.05					
FP01810		10		11.98	0.88	0.86	43	69	31	0.05					



公称 型号	公称 直径	导程	中径	大径	底径	螺母尺寸 Nut Size mm													
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter							L1							
	mm	mm	mm	mm	mm	D1	D2	D3	D4		D5	D6	无防尘圈 No dustband	有防尘圈 Yes dustband	L2	L3	L4	L5	L6
FP00802	8	2	8	8.15	7.75	25	41	21	5	M5	4.8	31	31	44	22.3	10	3	13	23
FP00803		3		8.23	7.63								31	44					
FP00804		4		8.30	7.55								31	44					
FP01202	12	2	12	12.15	11.80	26	46	25	5	M5	4.8	36	31	41	27.3	10	3	13	28
FP01203		3		12.20	11.75								31	41					
FP01204		4		12.25	11.65								31	41					
FP01205		5		12.30	11.55								31	41					
FP01206		6		12.40	11.15								31	41					
FP01208		8		12.45	11.10								31	41					
FP01502	15	2	15	15.15	14.80	34	56	30	5	M6	5.8	45	40	50	35.7	14	4	18	36
FP01503		3		15.20	14.74								40	50					
FP01504		4		15.25	14.65								40	50					
FP01505		5		15.30	14.55								40	50					
FP01506		6		15.35	14.46								40	50					
FP01508		8		15.45	14.16								40	50					
FP01802	18	2	18	18.15	17.80	40	62	35	5	M6	5.8	51	48	58	41.7	18	4	18	42
FP01803		3		18.20	17.70								48	58					
FP01804		4		18.25	17.60								48	58					
FP01805		5		18.30	17.55								48	58					
FP01806		6		18.40	17.40								48	58					
FP01808		8		18.45	17.20								48	58					
FP01810		10		18.55	16.95								48	58					



公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantity
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	D	P	N	β	η	η'	C _a	C _o	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s
FP02102	21	2	5	1.74	0.80	0.74	48	107	89	0.02	150	141	6.5	5	10
FP02103		3		2.60	0.84	0.81	53	105	71	0.02					
FP02104		4		3.47	0.87	0.85	57	106	61	0.02					
FP02105		5		4.33	0.88	0.86	59	105	54	0.03					
FP02106		6		5.20	0.89	0.87	62	106	50	0.03					
FP02108		8		6.91	0.89	0.88	61	94	40	0.04					
FP02110		10		8.62	0.89	0.87	64	92	35	0.05					
FP02406	24	6	6	4.55	0.88	0.87	49	82	50	0.03	256	173	6.3	4	11
FP02412		12		9.04	0.88	0.87	57	83	35	0.05					
FP02402		2	5	1.52	0.78	0.71	65	161	107	0.02					
FP02404		4		3.04	0.86	0.83	77	161	74	0.02					
FP02405		5		3.79	0.87	0.85	81	162	66	0.03					
FP02406		6		4.55	0.88	0.87	84	160	60	0.03					
FP02408		8		6.06	0.89	0.88	91	162	52	0.04					
FP02410		10		7.55	0.89	0.88	90	148	44	0.05					
FP02415		15		11.25	0.87	0.85	96	144	35	0.05					
FP02702		27		2	5	1.35	0.76	0.68	72	178					
FP02704	4		2.70	0.85		0.82	85	178	77	0.02					
FP02705	5		3.37	0.86		0.84	90	180	69	0.03					
FP02706	6		4.05	0.88		0.86	92	179	63	0.03					
FP02708	8		5.39	0.89		0.87	99	175	53	0.03					
FP02710	10		6.72	0.89		0.88	104	175	47	0.04					
FP02715	15		10.03	0.88		0.86	104	155	36	0.05					



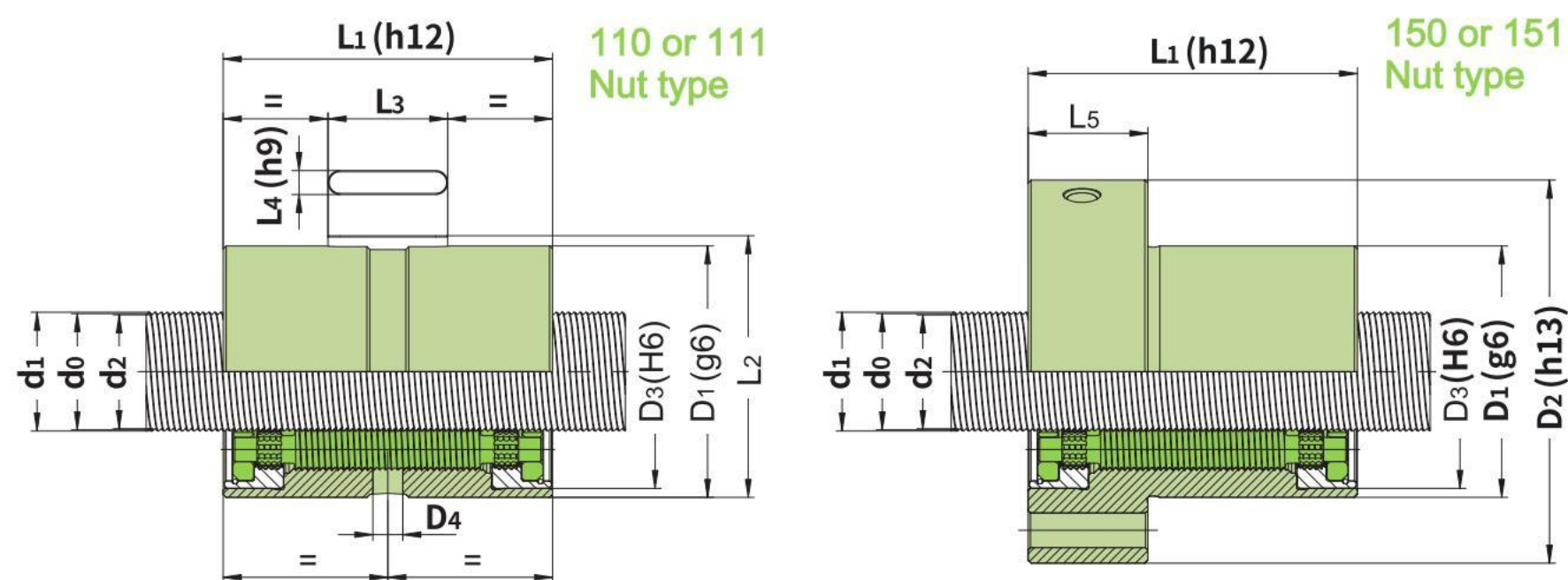
公称 型号 Nominal Model	公称 直径	导程	中径	大径	底径	螺母尺寸 Nut Size mm													
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter														
	mm	mm	mm	mm	mm	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	L ₁		L ₂	L ₃	L ₄	L ₅	L ₆
	d	P	d ₀	d ₁	d ₂								No dustband	Yes dustband					
FP02102	21	2	21	21.15	20.80	45	67	40.5	5	M6	5.8	56	55	64	47	20	5	18	47
FP02103		3		21.20	20.70														
FP02104		4		21.25	20.60														
FP02105		5		21.30	20.55														
FP02106		6		21.40	20.40														
FP02108		8		21.50	20.20														
FP02110		10		21.60	19.95														
FP02406	24	6	24	24.35	23.55	48	71	44	5	M6	7	59	48	58	49.7	18	4	20	50
FP02412		12		24.60	23.00														
FP02402		2	24	24.15	23.80	53	84	47	5	M6	7	70	64	78	55.5	25	6	20	55
FP02404		4		24.25	23.65														
FP02405		5		24.35	23.55														
FP02406		6		24.40	23.40														
FP02408		8		24.50	23.20														
FP02410		10		24.60	23.00														
FP02415		15		24.85	22.45														
FP02702		27		2	27														
FP02704	4		27.25	26.65															
FP02705	5		27.35	26.55															
FP02706	6		27.40	26.40															
FP02708	8		27.55	26.25															
FP02710	10		27.60	26.00															
FP02715	15		27.85	25.45															



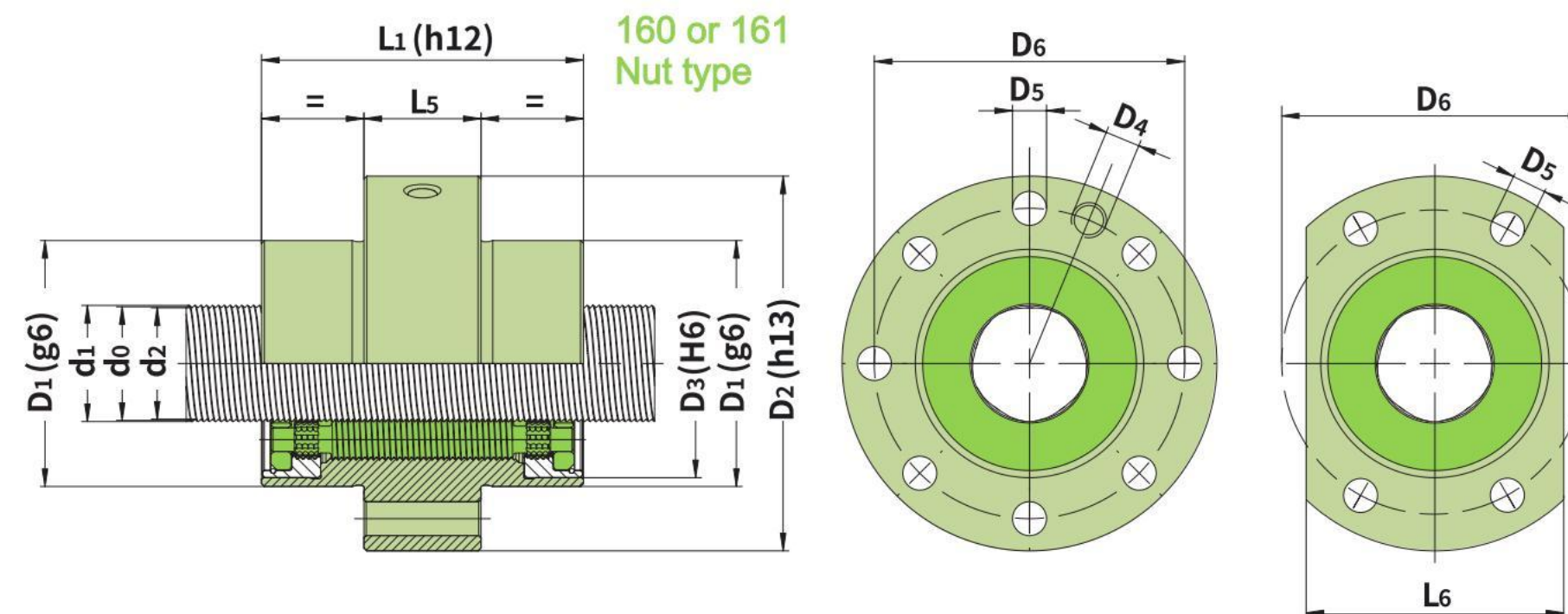
150 or 151
Nut type



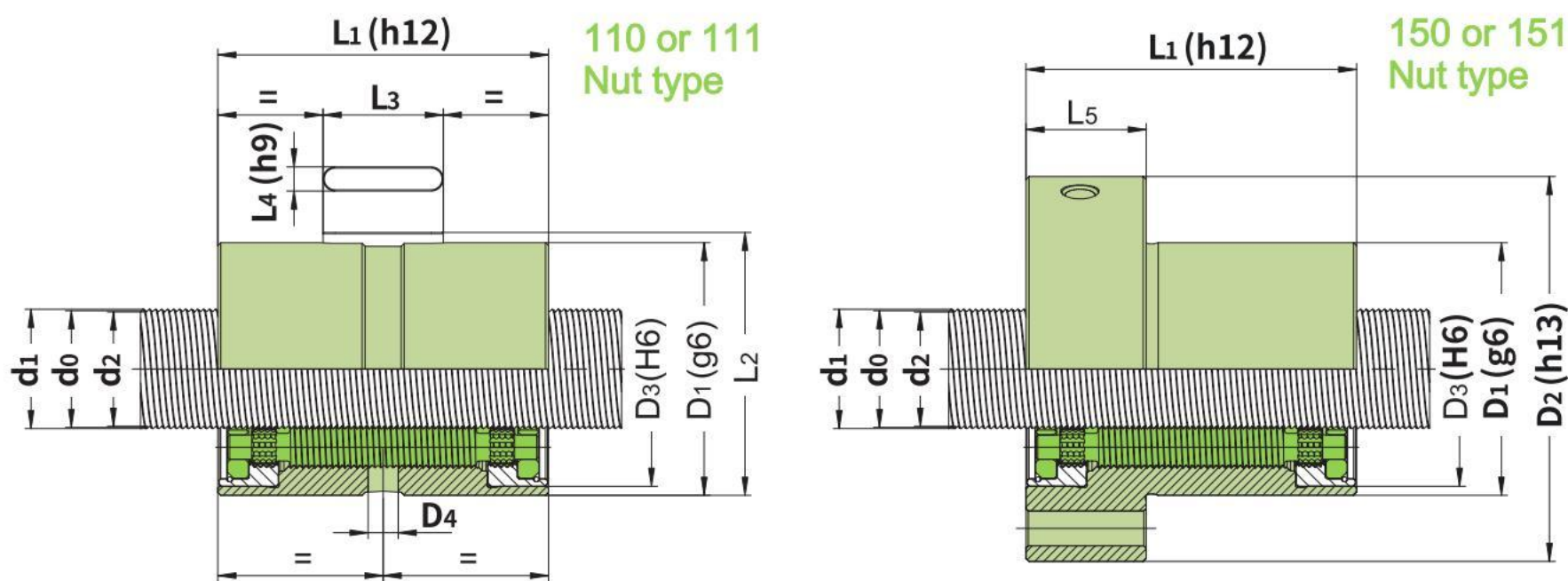
160 or 161
Nut type



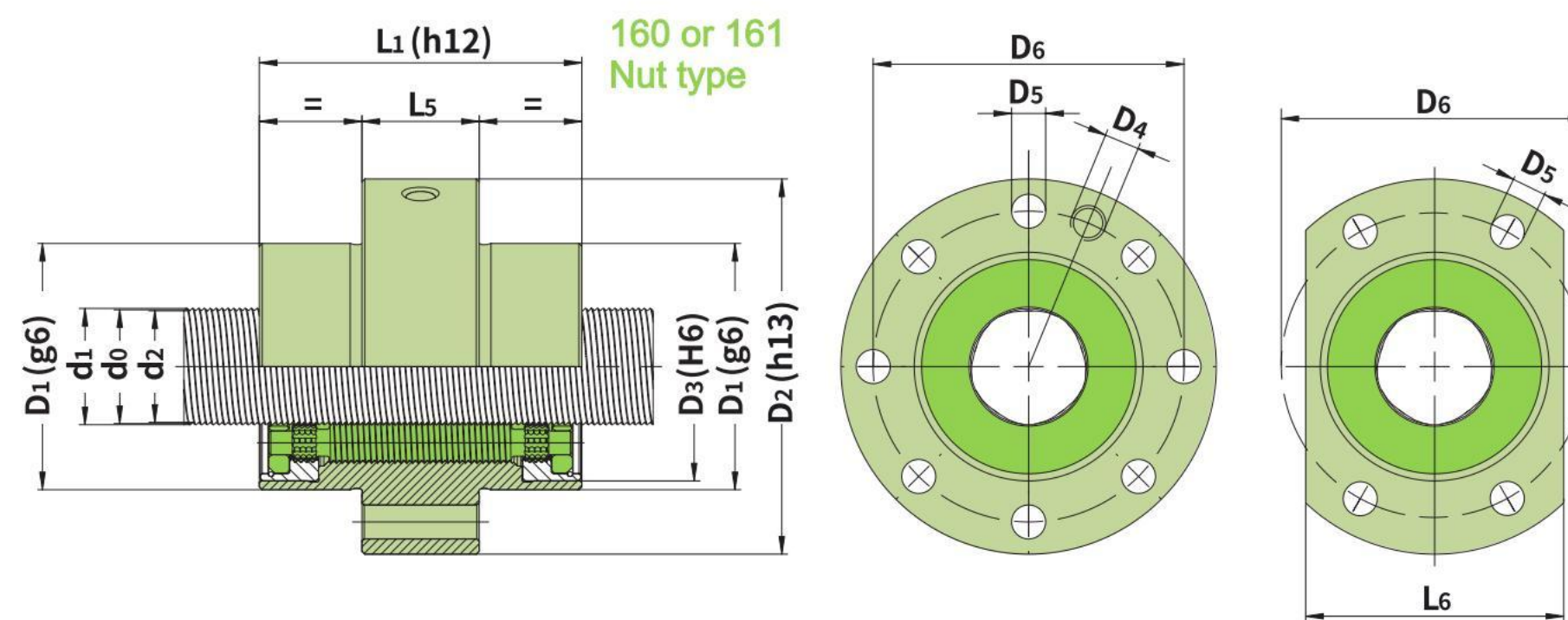
公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantity
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	d	P	N	β	η	η'	C _a	C _o	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s
FP03902	39	2	5	0.94	0.69	0.55	127	369	153	0.02	1780	2030	124	28	18
FP03904		4		1.87	0.81	0.76	150	366	105	0.02					
FP03905		5		2.34	0.83	0.80	159	372	93	0.03					
FP03906		6		2.80	0.85	0.82	166	371	85	0.03					
FP03908		8		3.74	0.87	0.85	175	361	72	0.03					
FP03910		10		4.67	0.88	0.87	186	366	65	0.04					
FP03915		15		6.98	0.89	0.88	201	360	52	0.04					
FP03920		20		9.27	0.88	0.87	234	375	43	0.05					
FP03925		25		11.53	0.86	0.84	241	368	38	0.05					
FP04806	48	6	6	2.28	0.83	0.79	179	455	107	0.03	4090	6520	371	54	22
FP04812		12		4.55	0.88	0.87	211	458	75	0.04					
FP04818		18		6.81	0.89	0.88	218	418	58	0.05					
FP04824		24		9.04	0.88	0.87	271	479	51	0.05					
FP04805		5	5	1.90	0.81	0.78	219	556	111	0.03					
FP04810		10		3.79	0.87	0.85	258	559	77	0.03					
FP04815		15		5.68	0.89	0.88	285	567	63	0.03					
FP04820		20		7.55	0.89	0.88	360	659	56	0.05					
FP04825		25		9.41	0.88	0.87	332	579	46	0.05					
FP04830		30		11.25	0.87	0.85	341	605	43	0.05					
FP05105		51		5	5	1.79	0.80	0.75	263	726					
FP05110	10		3.57	0.87		0.85	308	717	87	0.03					
FP05115	15		5.35	0.89		0.87	339	720	70	0.04					
FP05120	20		7.12	0.89		0.88	425	844	63	0.05					
FP05125	25		8.87	0.89		0.87	432	861	57	0.05					



公称 型号 Nominal Model	公称 直径	导程	中径	大径	底径	螺母尺寸 Nut Size mm													
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter														
	mm	mm	mm	mm	mm	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	L ₁		L ₂	L ₃	L ₄	L ₅	L ₆
	d	P	d ₀	d ₁	d ₂								No dustband	Yes dustband					
FP03902	39	2	39	39.15	38.80	80	116	73	5	M6	11	98	90	100	82.7	28	6	25	82
FP03904		4		39.25	38.65														
FP03905		5		39.35	38.55														
FP03906		6		39.40	38.45														
FP03908		8		39.55	38.25														
FP03910		10		39.65	38.05														
FP03915		15		39.90	37.50														
FP03920		20		40.15	36.90														
FP03925		25		40.35	36.50														
FP04806	48	6	48	48.35	47.55	86	122	80	7	M8x1	11	104	87	99	88.7	45	6	35	88
FP04812		12		48.65	47.05														
FP04818		18		48.95	46.55														
FP04824		24		49.20	45.95														
FP04805		5	48	48.35	47.55	100	150	90	7	M8x1	13.5	127	115	127	103	45	8	37	102
FP04810		10		48.65	47.05														
FP04815		15		48.95	46.55														
FP04820		20		49.20	45.95														
FP04825		25		49.40	45.35														
FP04830		30		49.50	44.75														
FP05105		5		51	51.35														
FP05110	10	51.65	50.05																
FP05115	15	51.95	49.55																
FP05120	20	52.25	49.00																
FP05125	25	52.45	48.40																



公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量					
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantity					
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm²/m	kgmm²	kgmm²	cm³	cm³/m					
	d	P	N	β	η	η'	C _a	C _o a	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s					
FP06006	60	6	6	1.82	0.80	0.75	249	689	128	0.04	9990	16500	1100	100	27					
FP06012		12		3.64	0.87	0.85	290	680	88	0.04										
FP06018		18		5.45	0.89	0.87	316	670	71	0.04										
FP06030		30		9.04	0.88	0.87	393	748	55	0.07										
FP06005		5	5	1.52	0.78	0.71	321	922	140	0.04										
FP06010		10		3.04	0.86	0.83	380	926	97	0.04										
FP06015		15		4.55	0.88	0.87	415	916	78	0.04										
FP06020		20		6.06	0.89	0.88	500	1057	68	0.04										
FP06025		25		7.55	0.89	0.88	494	1029	60	0.05										
FP06030		30		9.04	0.88	0.87	495	1034	55	0.07										
FP06035		35		10.52	0.87	0.86	470	958	48	0.07										
FP07510		75		10	5	2.43	0.84	0.80	498	1452						117	0.04	24400	46900	4150
FP07515	15		3.64	0.87		0.85	550	1440	94	0.04										
FP07520	20		4.85	0.88		0.87	640	1666	83	0.04										
FP07525	25		6.06	0.89		0.88	642	1652	74	0.04										
FP07530	30		7.26	0.89		0.88	643	1637	67	0.05										
FP08012	80	12	6	2.73	0.85	0.82	385	1041	105	0.04	33500	29100	1290	120	35					
FP08018		18		4.10	0.88	0.86	428	1046	85	0.04										
FP08024		24		5.45	0.89	0.87	525	1226	76	0.04										
FP08030		30		6.81	0.89	0.88	536	1252	68	0.04										
FP08710	87	10	5	2.10	0.82	0.78	607	1857	130	0.04	49200	126000	10000	240	37					
FP08715		15		3.14	0.86	0.84	657	1863	105	0.04										
FP08720		20		4.19	0.88	0.86	768	2179	93	0.04										
FP08725		25		5.23	0.89	0.87	768	2140	82	0.04										
FP08730		30		6.26	0.89	0.88	785	2192	76	0.04										



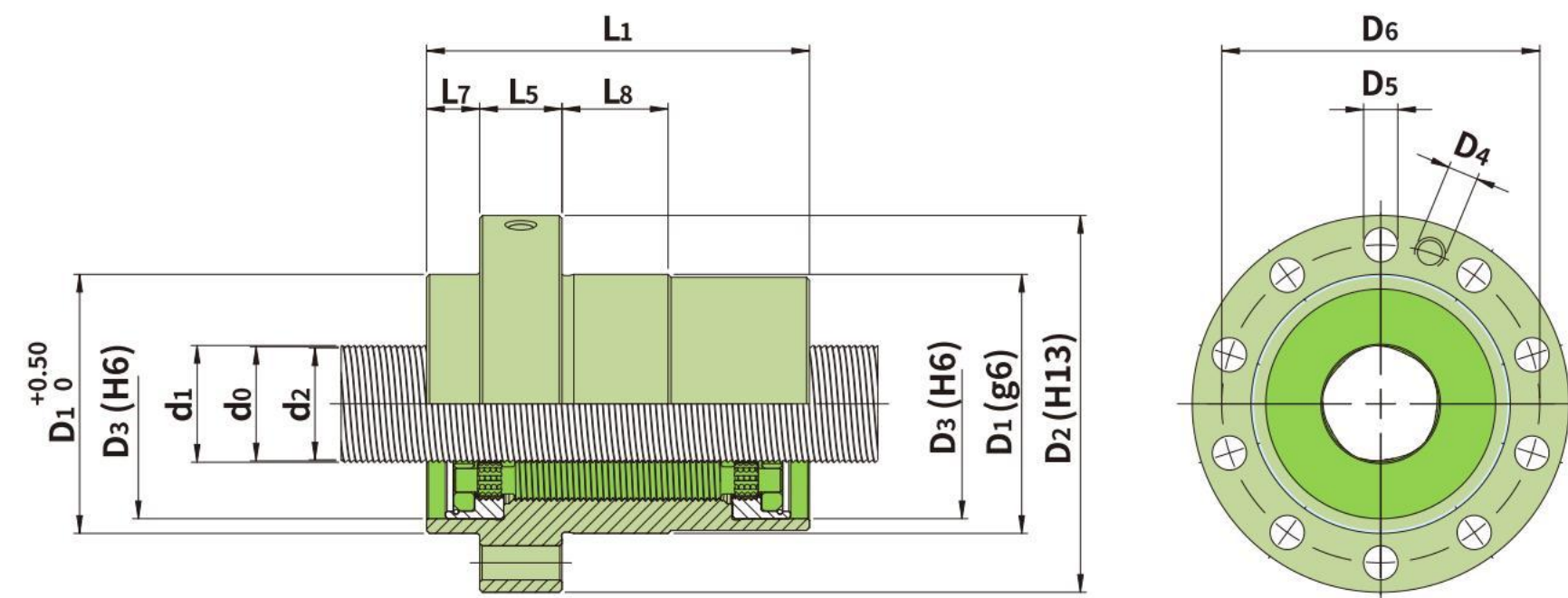
公称 型号 Nominal Model	公称 直径	导程	中径	大径	底径	螺母尺寸 Nut Size mm													
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter														
	mm	mm	mm	mm	mm	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	L ₁		L ₂	L ₃	L ₄	L ₅	L ₆
	d	P	d ₀	d ₁	d ₂								无防尘圈 No dustband	有防尘圈 Yes dustband					
FP06006	60	6	60	60.35	59.55	110	150	100	10.5	M8x1	13.5	130	106	124	113.2	40	8	30	11
FP06012		12		60.70	59.05														
FP06018		18		61.00	58.55														
FP06030		30		61.40	57.35														
FP06005		5	60	60.35	59.55	122	180	110	10.5	M8x1	17.5	150	140	152	125.7	45	10	40	12
FP06010		10		60.70	59.05														
FP06015		15		61.00	58.55														
FP06020		20		61.25	58.00														
FP06025		25		61.50	57.45														
FP06030		30		61.75	56.90														
FP06035		35		61.90	56.25														
FP07510		10		75	75.70														
FP07515	15	76.00	73.60																
FP07520	20	76.30	73.10																
FP07525	25	76.60	72.50																
FP07530	30	76.80	71.90																
FP08012	12	80	80.70		79.10	138	180	130	10.5	M8x1	13.5	160	130	158	141.7	50	10	35	14
FP08018	18		81.00	78.60															
FP08024	24		81.30	78.10															
FP08030	30		81.50	77.45															
FP08710	10	87	87	87.70	86.10	175	235	162	10.5	M8x1	17.5	200	190	215	178	63	10	45	17
FP08715	15			88.00	85.60														
FP08720	20			88.30	85.10														
FP08725	25			88.60	84.55														
FP08730	30			88.90	84.05														



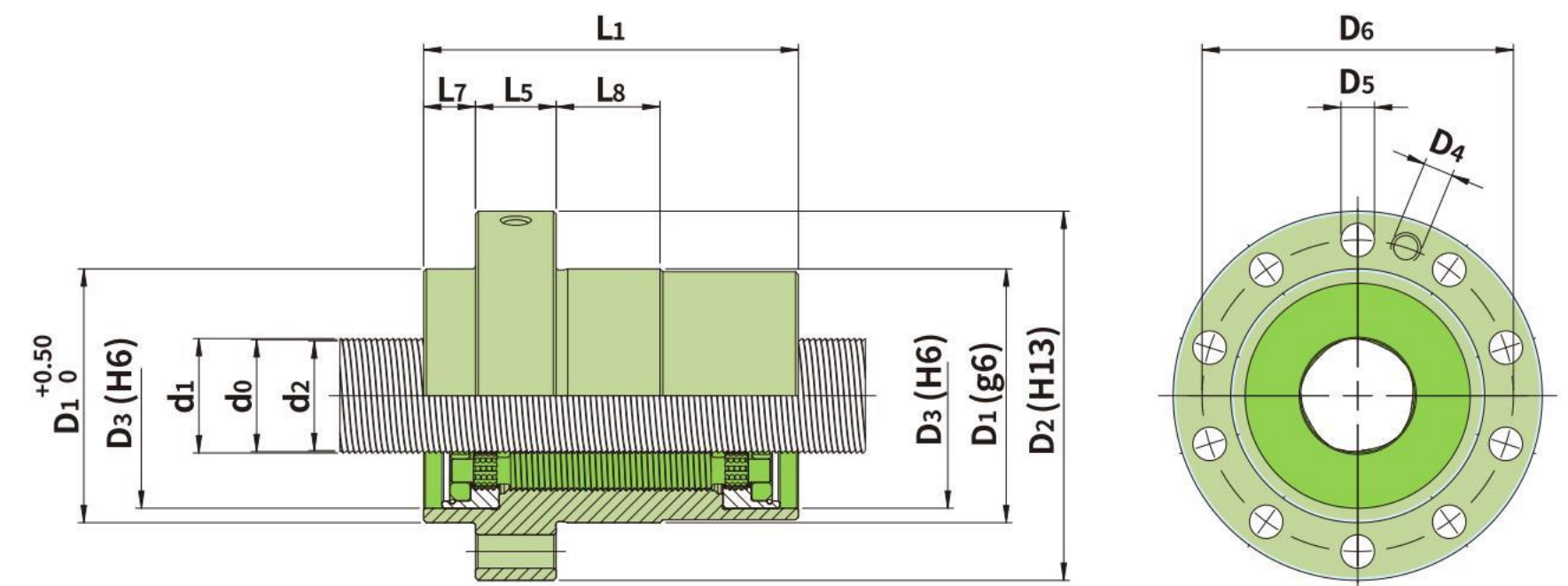
公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantitv
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	d	P	N	β	η	η'	Ca	Coa	Rf	Sap	Is	In	Ir	Zn	Zs
FP10012	100	12	6	2.19	0.82	0.79	790	2650	153	0.05	74000	207000	17500	340	44
FP10018		18		3.28	0.86	0.84	844	2603	123	0.05					
FP10024		24		4.37	0.88	0.86	858	2610	106	0.05					
FP10030		30		5.45	0.89	0.87	858	2564	94	0.05					
FP09915	99	15	5	2.76	0.85	0.82	1045	3598	135	0.05	74000	207000	17500	340	44
FP09920		20		3.68	0.87	0.85	1063	3605	116	0.05					
FP09925		25		4.60	0.88	0.87	1077	3612	104	0.05					
FP09930		30		5.51	0.89	0.87	1088	3619	95	0.05					
FP09935		35		6.42	0.89	0.89	1107	3679	89	0.05					
FP12018	120	18	6	2.73	0.85	0.82	1063	3667	142	0.05	160000	453000	40900	540	53
FP12024		24		3.64	0.87	0.85	1082	3676	123	0.05					
FP12030		30		4.55	0.88	0.87	1090	3652	109	0.05					
FP12036		36		5.45	0.89	0.87	1107	3692	100	0.05					
FP12015		15	5	2.28	0.83	0.79	1182	4248	143	0.05					
FP12020		20		3.04	0.86	0.83	1214	4320	124	0.05					
FP12025		25		3.79	0.87	0.85	1214	4234	109	0.05					
FP12030		30		4.55	0.88	0.87	1232	4274	100	0.05					
FP12035		35		5.30	0.89	0.87	1220	4157	91	0.05					



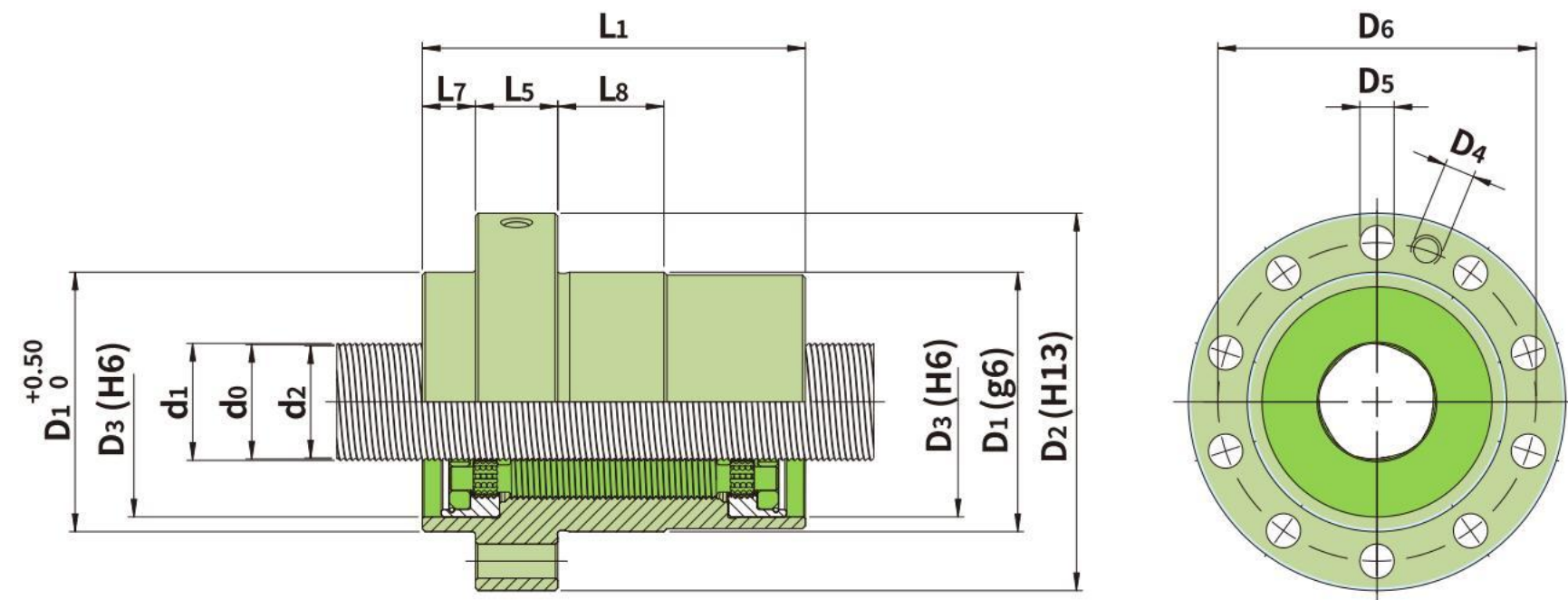
公称 型号	公称 直径	导程	中径	大径	底径	螺母尺寸														
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter	Nut Size														
						mm														
	Nominal Model	mm	mm	mm	mm	mm	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	L ₁			L ₂	L ₃	L ₄	L ₅
	d	P	d ₀	d ₁	d ₂	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	无防尘圈 No dustband	有防尘圈 Yes dustband		L ₂	L ₃	L ₄	L ₅	L ₆
FP10012	100	12	100	100.75	99.10	185	260	172	10.5	M8x1	17.5	225	200	220	188	63	10	50	187	
FP10018		18		101.05	98.60															
FP10024		24		101.30	98.10															
FP10030		30		101.60	97.55															
FP09915	99	15	99	100.05	97.60	200	275	180	15	M8x1	17.5	240	250	271	203	63	10	50	202	
FP09920		20		100.30	97.10															
FP09925		25		100.60	96.60															
FP09930		30		101.00	96.10															
FP09935		35		101.25	95.50															
FP12018	120	18	120	121.05	118.60	220	260	200	15	M10x1	17.5	240	230	260	223	100	10	50	222	
FP12024		24		121.35	118.10															
FP12030		30		121.70	117.60															
FP12036		36		122.00	117.10															
FP12015		15		121.05	118.60															
FP12020	20	121.35	118.10	240	300	220	15	M10x1	17.5	270	280	300	243	100	10	55	242			
FP12025	25	121.70	117.60																	
FP12030	30	122.00	117.10																	
FP12035	35	122.25	116.60																	



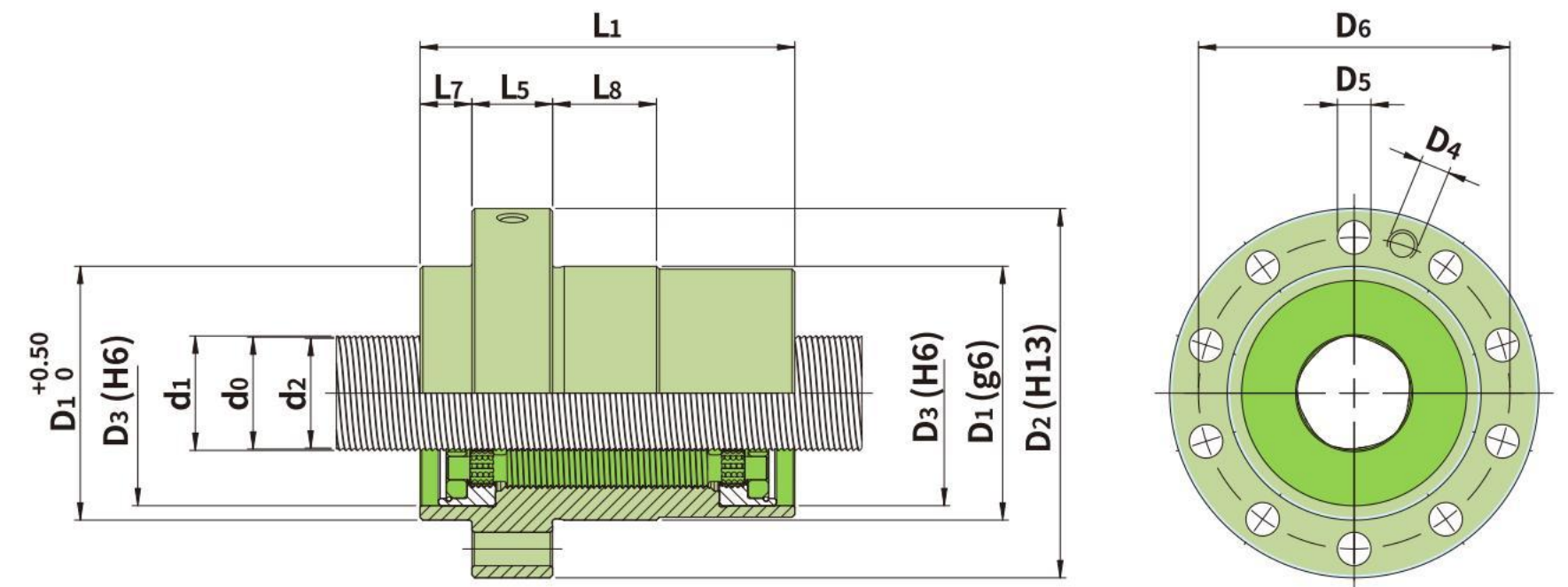
公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantitv
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	d	P	N	β	η	η'	C _a	C _o a	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s
FPH06015	60	15	5	4.55	0.88	0.87	655	1512	89	0.04	9990	18700	1680	90	27
FPH06020		20		6.06	0.89	0.88	656	1498	76	0.04					
FPH06025		25		7.55	0.89	0.88	665	1522	69	0.04					
FPH06030		30		9.04	0.88	0.87	651	1469	62	0.04					
FPH07515	75	15	5	3.64	0.87	0.85	842	2429	109	0.04	24400	51700	5130	170	33
FPH07520		20		4.85	0.88	0.87	862	2480	95	0.04					
FPH07525		25		6.06	0.89	0.88	867	2462	84	0.04					
FPH07530		30		7.26	0.89	0.88	858	2395	76	0.04					
FPH08715	87	15	5	3.14	0.86	0.84	1074	3531	128	0.04	42800	111000	10600	270	38
FPH08720		20		4.19	0.88	0.86	1087	3510	110	0.04					
FPH08725		25		5.23	0.89	0.87	1106	3515	99	0.04					
FPH08730		30		6.26	0.89	0.88	1099	3467	89	0.04					
FPH09915	99	15	5	2.76	0.85	0.82	1301	4708	145	0.05	74000	220000	20400	400	44
FPH09920		20		3.68	0.87	0.85	1323	4716	125	0.05					
FPH09925		25		4.60	0.88	0.87	1329	4660	111	0.05					
FPH09930		30		5.51	0.89	0.87	1354	4732	102	0.05					
FPH09935		35		6.42	0.89	0.88	1347	4642	93	0.05					

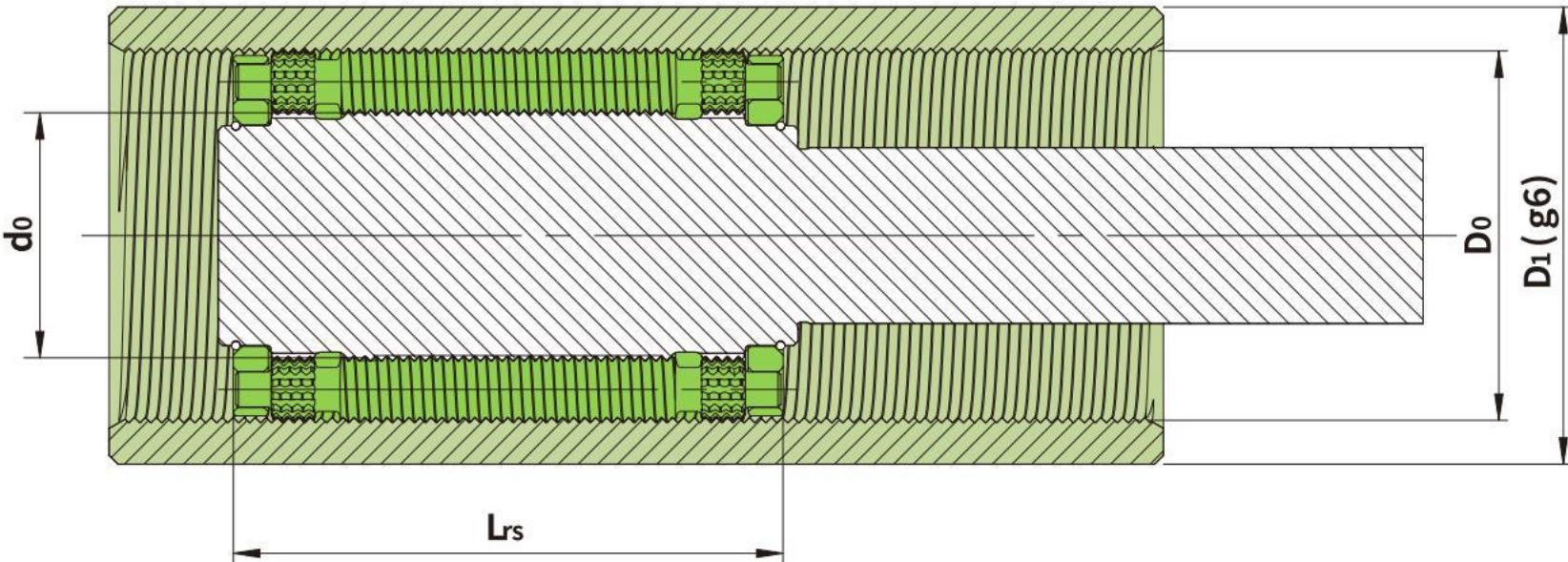
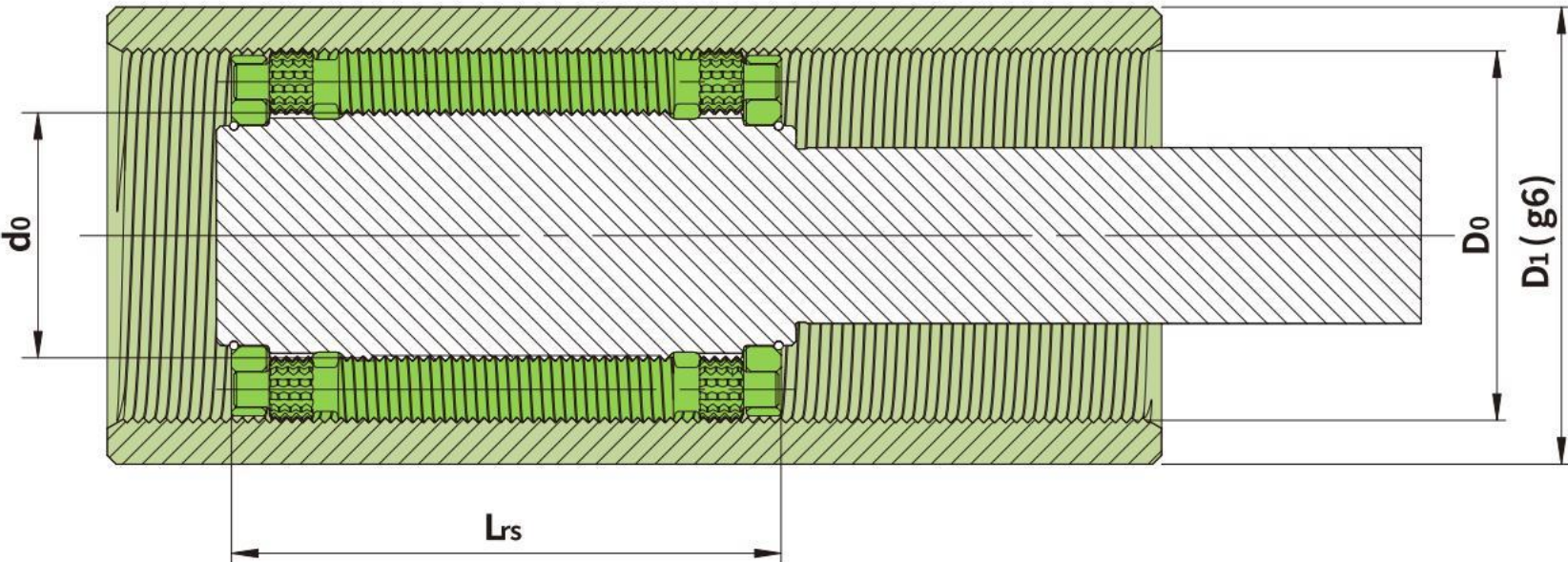


公称 型号 Nominal Model	公称 直径	导程	中径	大径	底径	螺母尺寸									
	Shaft Diameter	Lead	Mid Diameter	Large Diameter	Base Diameter	Nut Size									
	mm	mm	mm	mm	mm	mm									
	d	P	d0	d1	d2	D1	D2	D3	D4	D5	D6	L1	L5	L7	L8
FPH06015	60	15	60	61.00	58.60	122	180	110	M8x1	17.5	150	171	30	20	40
FPH06020		20		61.20	58.00										
FPH06025		25		61.50	57.50										
FPH06030		30		61.70	56.90										
FPH07515	75	15	75	76.00	73.60	150	210	136	M8x1	17.5	180	213	35	25	40
FPH07520		20		76.30	73.10										
FPH07525		25		76.60	72.50										
FPH07530		30		76.80	72.00										
FPH08715	87	15	87	88.00	85.60	175	235	158	M8x1	17.5	200	245	40	25	40
FPH08720		20		88.30	85.10										
FPH08725		25		88.60	84.60										
FPH08730		30		88.90	84.10										
FPH09915	99	15	99	100.05	97.60	200	245	180	M8x1	17.5	224	280	50	25	40
FPH09920		20		100.30	97.10										
FPH09925		25		100.60	96.60										
FPH09930		30		101.00	96.10										
FPH09935		35		101.25	95.60										



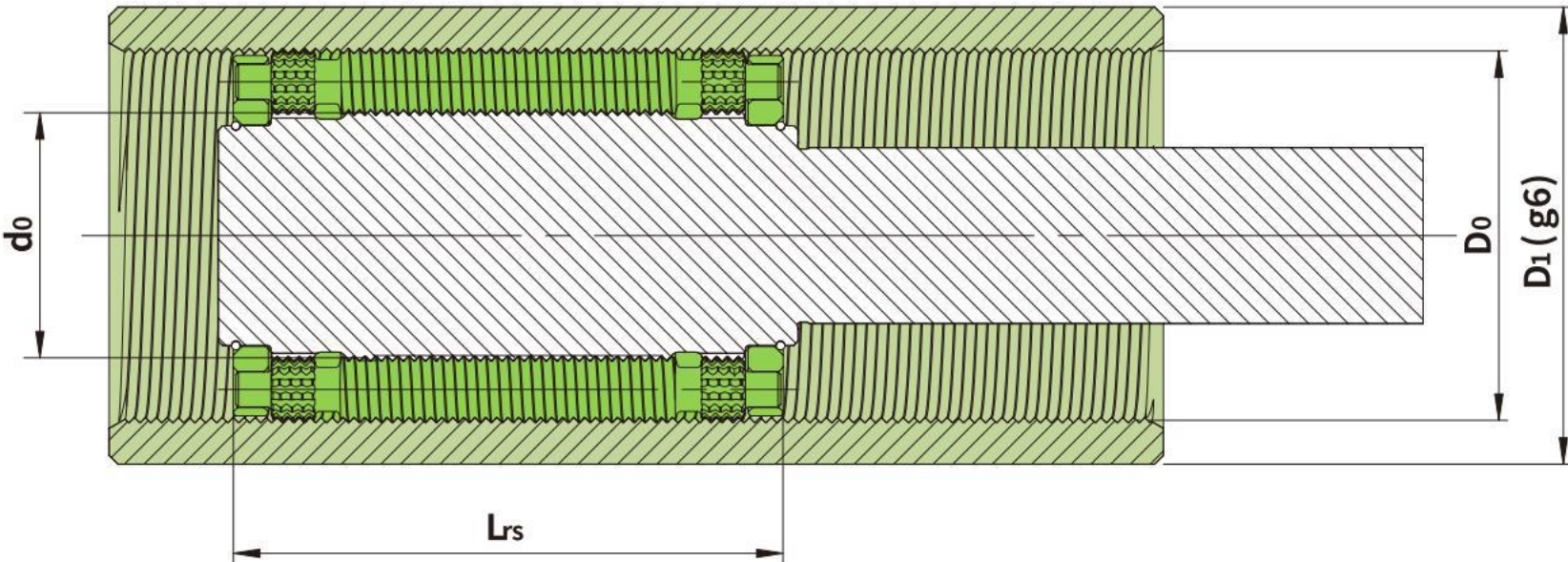
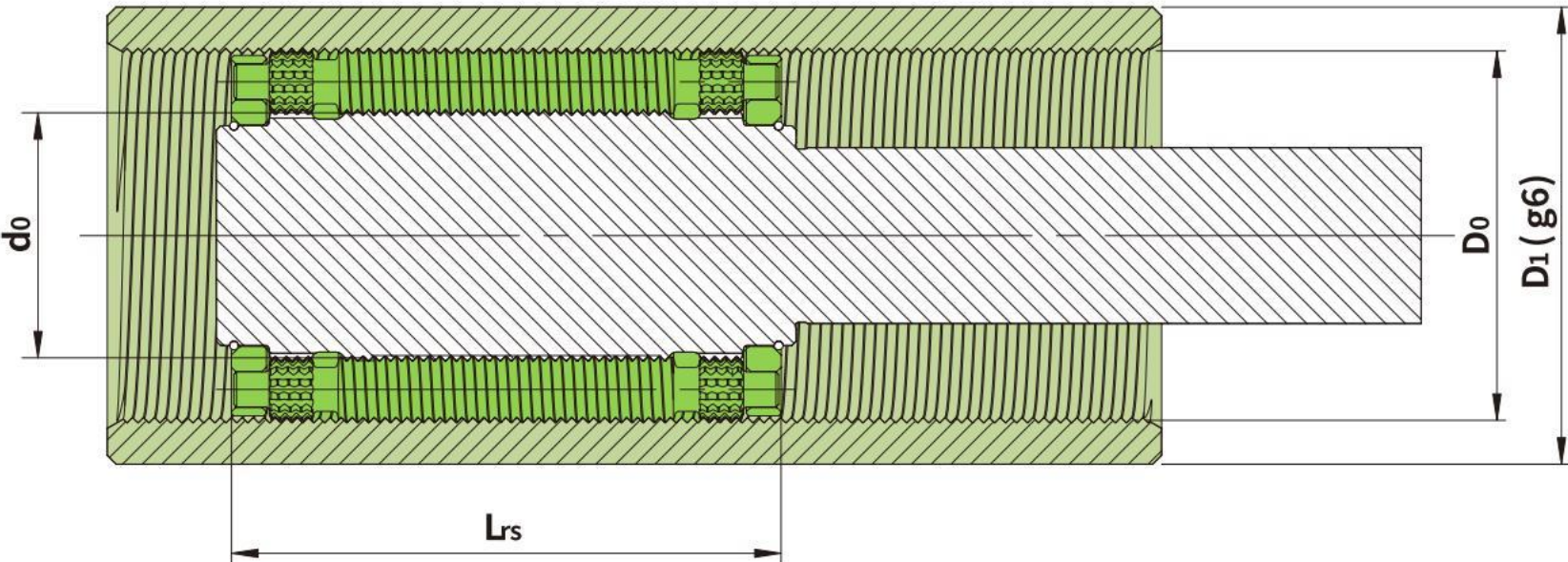
公称 型号 Nominal Model	公称 直径	导程	丝杠 头数	螺旋 升角	直接 效率	间接 效率	动额定 负荷	静额定 负荷	刚性	轴向 偏移	螺杆 惯性	螺母 惯性	滚柱 惯性	螺母 加油量	螺杆 加油量
	Shaft Diameter	Lead	Starts Number Screw	Helix Angle	Direct Efficiency	Indirect Efficiency	Rated Dynamic Load	Rated Static Load	Rigidity	Axial Offset	Screw Inertia	Nut Inertia	Roller Inertia	Nut Oil Quantity	Screw Oil Quantity
	mm	mm		°			KN	KN	N ^{2/3} /μm	mm	kgmm ² /m	kgmm ²	kgmm ²	cm ³	cm ³ /m
	d	P	N	β	η	η'	C _a	C _o a	R _f	S _{ap}	I _s	I _n	I _r	Z _n	Z _s
FPH11215	112	15	5	2.43	0.84	0.80	1440	5442	153	0.05	120000	423000	37100	550	50
FPH11220		20		3.24	0.86	0.84	1460	5415	131	0.05					
FPH11225		25		4.05	0.88	0.86	1480	5425	117	0.05					
FPH11230		30		4.85	0.88	0.87	1483	5361	107	0.05					
FPH11235		35		5.66	0.87	0.88	1482	5299	98	0.05					
FPH12015	120	15	5	2.28	0.83	0.79	1599	6370	164	0.05	160000	516000	47200	700	53
FPH12020		20		3.04	0.86	0.83	1634	6419	141	0.05					
FPH12025		25		3.79	0.87	0.85	1656	6429	127	0.05					
FPH12030		30		4.55	0.88	0.87	1648	6283	114	0.05					
FPH12035		35		5.30	0.89	0.87	1669	6332	106	0.05					
FPH12040		40		6.06	0.89	0.88	1673	6302	99	0.05					

[illegible]



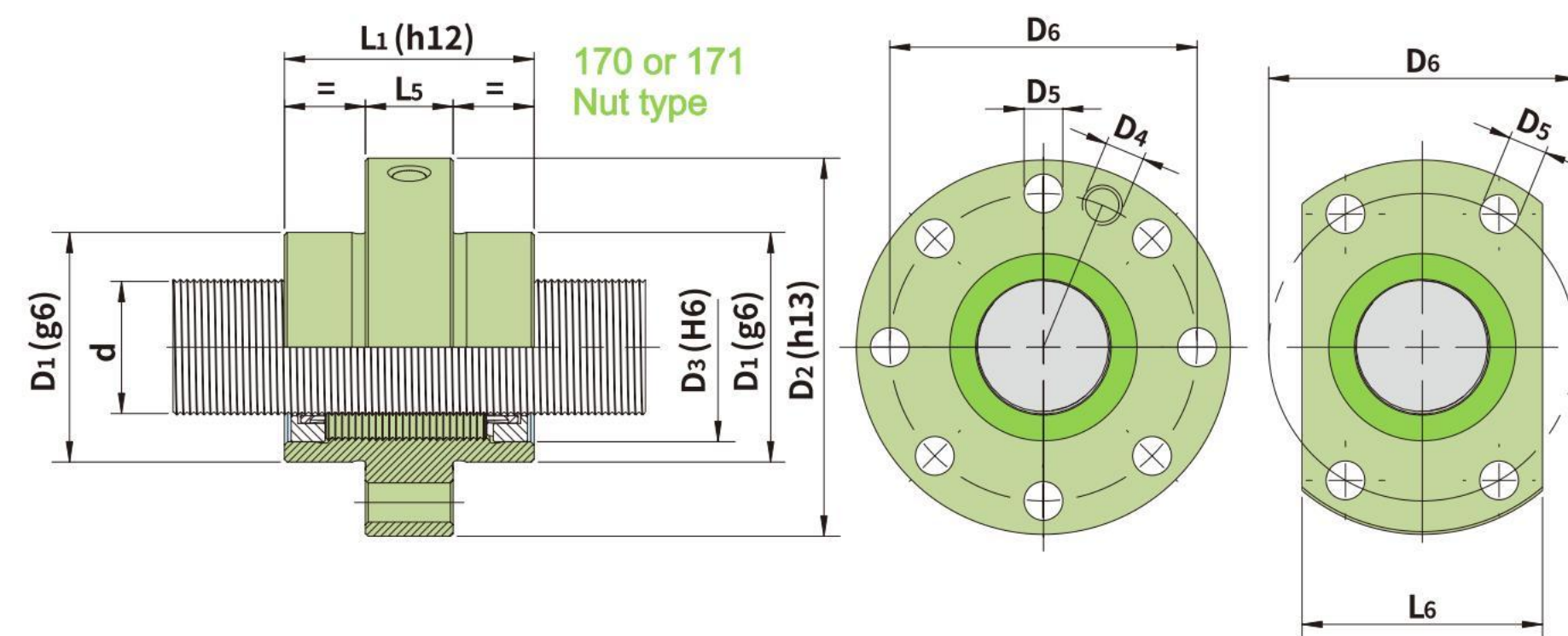
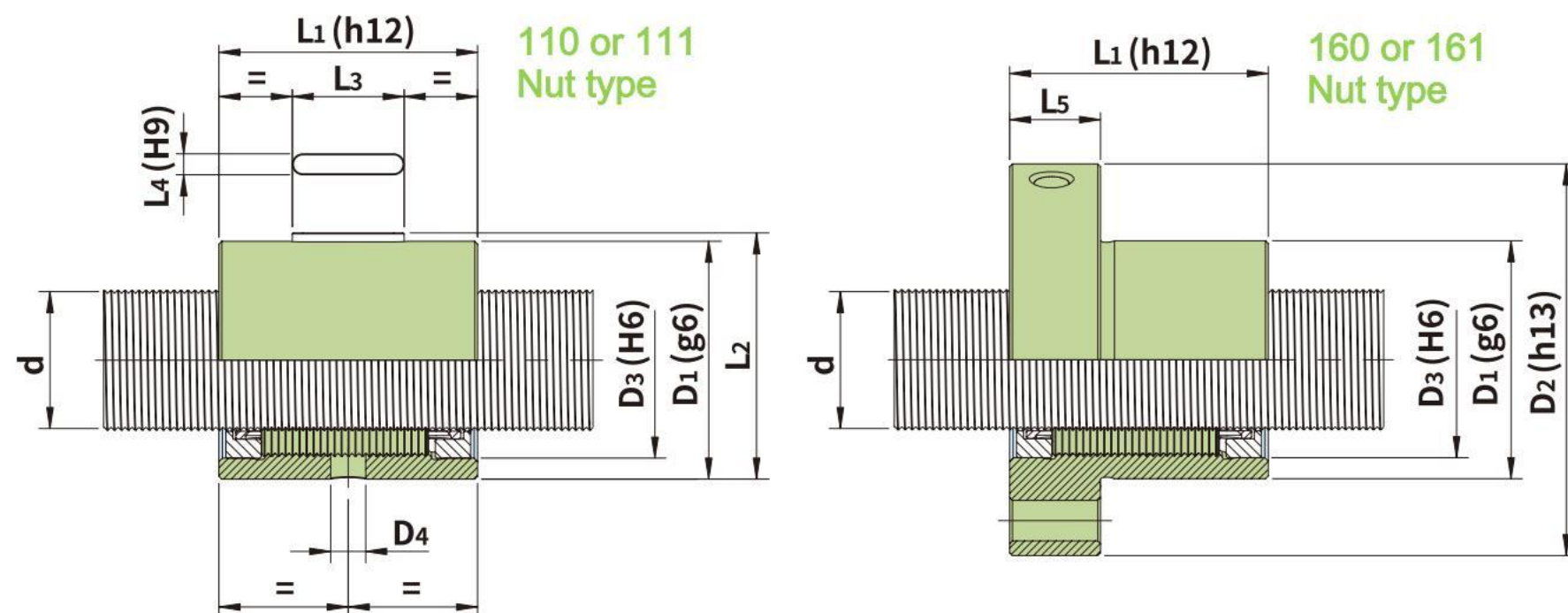
公称 型号 Nominal Model	公称 直径 Shaft Diameter	导程 Lead	丝杠 头数 Starts Number Screw	中径 Mid Diameter	螺旋 升角 Helix Angle	直接 效率 Direct Efficiency	间接 效率 Indirect Efficiency	动额定 负荷 Rated Dynamic Load	静额定 负荷 Rated Static Load	刚性 Rigidity	轴向 偏移 Axial Offset	螺母尺寸 Nut Size		组合 长度 Qattern Length
	mm	mm		mm	°	η	η	KN	KN	$N^{2/3}/\mu m$	mm	mm		mm
	d	P	N	d ₀	β	η	η	C _a	C _{oa}	R _f	S _{ap}	D ₀	D ₁	L _{rs}
FPI00601	6	1	3	6	3.04	0.83	0.78	6	11	10	0.02	12	18	26
FPI00602		2			6.07	0.86	0.84	6	11	9	0.02			
FPI00701	7	1	3	7	2.61	0.82	0.77	8	13	16	0.02	14	20	31
FPI00702		2			5.21	0.85	0.84	8	13	15	0.02			
FPI00801	8	1	3	8	2.28	0.82	0.75	10	16	22	0.02	16	23	32
FPI00802		2			4.56	0.85	0.83	10	16	20	0.02			
FPI009x1.5	9	1.5	3	9	3.04	0.80	0.74	11	18	23	0.02	15	23	26
FPI00902		2			4.05	0.86	0.84	11	18	20	0.02			
FPI010x1.5	10	1.5	3	10.5	2.60	0.79	0.72	13	21	37	0.02	17.5	24	31
FPI01002		2			3.47	0.87	0.85	13	21	33	0.02			
FPI012x1.5	12	1.5	3	12	2.28	0.78	0.71	14	27	40	0.02	20	26	32
FPI01202		2			3.04	0.86	0.83	17	27	37	0.02			
FPI013x1.5	13	1.5	3	13.5	2.02	0.76	0.68	16	32	42	0.02	22.5	30	36
FPI01302		2			2.70	0.85	0.82	18	29	37	0.02			
FPI015x1.5	15	1.5	3	15	1.82	0.74	0.65	24	56	57	0.02	25	32	40
FPI01502		2			2.43	0.84	0.80	28	55	51	0.02			
FPI01503		3			3.64	0.87	0.85	29	52	39	0.03			

公称 型号 Nominal Model	公称 直径 Shaft Diameter	导程 Lead	丝杠 头数 Starts Number Screw	中径 Mid Diameter	螺旋 升角 Helix Angle	直接 效率 Direct Efficiency	间接 效率 Indirect Efficiency	动额定 负荷 Rated Dynamic Load	静额定 负荷 Rated Static Load	刚性 Rigidity	轴向 偏移 Axial Offset	螺母尺寸 Nut Size		组合 长度 Qattern Length
	mm	mm		mm	°	η	η	KN	KN	$N^{2/3}/\mu m$	mm	mm		mm
	d	P	N	d ₀	β	η	η	C _a	C _{oa}	R _f	S _{ap}	D ₀	D ₁	L _{rs}
FPI018x1.5	18	1.5	3	18	1.52	0.71	0.58	31	77	68	0.02	30	38	50
FPI01802		2			2.03	0.82	0.77	36	77	59	0.02			
FPI01803		3			3.04	0.86	0.83	39	75	47	0.03			
FPI02102	21	2	3	21	1.74	0.80	0.74	55	106	68	0.02	35	45	56
FPI02103		3			2.60	0.84	0.81	60	105	54	0.03			
FPI02104		4			3.47	0.87	0.85	63	104	47	0.03			
FPI02402	24	2	3	24	1.52	0.78	0.71	74	161	81	0.02	40	50	65
FPI02403		3			2.28	0.83	0.79	81	162	66	0.03			
FPI02404		4			3.04	0.86	0.83	87	162	57	0.03			
FPI02405	27	5	3	27	3.79	0.87	0.85	92	163	51	0.03	45	55	71
FPI02702		2			1.35	0.76	0.68	81	177	84	0.02			
FPI02703		3			2.03	0.82	0.77	90	180	69	0.03			
FPI02704		4			2.70	0.85	0.82	95	174	58	0.03			
FPI02705		5			3.37	0.86	0.84	100	175	52	0.03			



公称 型号 Nominal Model	公称 直径 Shaft Diameter	导程 Lead	丝杠 头数 Starts Number Screw	中径 Mid Diameter	螺旋 升角 Helix Angle	直接 效率 Direct Efficiency	间接 效率 Indirect Efficiency	动额定 负荷 Rated Dynamic Load	静额定 负荷 Rated Static Load	刚性 Rigidity	轴向 偏移 Axial Offset	螺母尺寸 Nut Size		组合 长度 Qattern Length
	mm	mm		mm	°			KN	KN	$N^{2/3}/\mu m$	mm	mm		mm
	d	P	N	d ₀	β	η	η _i	C _a	C _{oa}	R _f	S _{ap}	D ₀	D ₁	L _{rs}
FPI03002	30	2	3	30	1.22	0.74	0.65	97	224	93	0.02	50	60	75
FPI03003		3			1.82	0.80	0.75	107	225	76	0.03			
FPI03004		4			2.43	0.84	0.80	114	221	64	0.03			
FPI03005		5			3.04	0.86	0.83	119	219	57	0.03			
FPI03006		6			3.64	0.87	0.85	127	227	53	0.04			
FPI03602	36	2	4	36	1.01	0.71	0.58	87	215	112	0.02	54	64	86
FPI03603		3			1.52	0.78	0.71	95	214	89	0.02			
FPI03604		4			2.03	0.82	0.77	102	213	77	0.03			
FPI03605		5			2.53	0.84	0.81	106	209	68	0.03			
FPI03606		6			3.04	0.86	0.83	111	210	62	0.03			
FPI03607		7			3.54	0.87	0.85	118	218	58	0.03			

公称 型号 Nominal Model	公称 直径 Shaft Diameter	导程 Lead	丝杠 头数 Starts Number Screw	中径 Mid Diameter	螺旋 升角 Helix Angle	直接 效率 Direct Efficiency	间接 效率 Indirect Efficiency	动额定 负荷 Rated Dynamic Load	静额定 负荷 Rated Static Load	刚性 Rigidity	轴向 偏移 Axial Offset	螺母尺寸 Nut Size		组合 长度 Qattern Length
	mm	mm		mm	°			KN	KN	$N^{2/3}/\mu m$	mm	mm		mm
	d	P	N	d ₀	β	η	η _i	C _a	C _{oa}	R _f	S _{ap}	D ₀	D ₁	L _{rs}
FPI03903	39	3	3	39	1.40	0.76	0.69	160	372	93	0.03	65	75	90
FPI03904		4			1.87	0.81	0.76	170	370	80	0.03			
FPI03905		5			2.34	0.83	0.80	179	368	71	0.03			
FPI03906		6			2.80	0.85	0.82	186	366	65	0.04			
FPI03907		7			3.27	0.86	0.84	194	369	60	0.04			
FPI03908		8			3.74	0.87	0.85	201	373	56	0.04			
FPI04803	48	3	3	48	1.14	0.73	0.63	219	556	112	0.03	80	90	114
FPI04804		4			1.52	0.78	0.71	235	557	95	0.03			
FPI04805		5			1.90	0.81	0.76	247	555	85	0.03			
FPI04806		6			2.28	0.83	0.79	259	559	78	0.04			
FPI04807		7			2.66	0.84	0.82	262	539	70	0.04			
FPI04808		8			3.04	0.86	0.83	278	561	67	0.04			
FPI04809		9			3.42	0.87	0.84	286	562	63	0.05			
FPI04810		10			3.79	0.87	0.85	286	542	59	0.05			



公称 型号 Nominal Model	公称 直径 Shaft Diameter mm	导程 Lead mm	额定 负荷 Rated Dynamic Load KN	静额定 负荷 Rated Static Load KN	轴向 偏移 Axial Offset mm	螺母 加油量 Nut Oil Quantity cm³	螺杆 加油量 Screw Oil Quantity cm³/m	预紧 力矩 Pre-tightening Torque N/m	预紧力 Pre-tension N
	d	P	C _a	C _{0a}	S _{ap}	Z _n	Z _s	T _{pr}	F _{pr}
FPR003x1.5	3	1.5	3	7	0.01	0.35	2	-	-
FPR00302		2	3	7	0.02			0.02	550
FPR003.5x1.5	3.5	1.5	4	8	0.01	0.38	2	-	-
FPR003.5x2		2	4	8	0.02			0.02	570
FPR005x1.5	5	1.5	5	12	0.01	0.46	3	-	-
FPR00502		2	6	12	0.02			0.04	680
FPR00503		3	7	12	0.02			0.04	680
FPR00702	7	2	8	19	0.02	0.62	4	-	-
FPR00703		3	9	16	0.03			0.05	740
FPR00704		4	10	16	0.04			0.06	740
FPR00802	8	2	10	20	0.02	0.72	4	-	-
FPR00803		3	10	18	0.04			0.05	770
FPR00804		4	11	18	0.05			0.06	770
FPR01002	10	2	13	25	0.02	0.95	5	-	-
FPR01003		3	14	24	0.03			0.07	820
FPR01004		4	16	25	0.04			0.08	820

公称 型号 Nominal Model	公称 直径	导程	螺母尺寸 Nut Size mm													
	Shaft Diameter		Lead	D ₁	D ₂	D ₃	D ₄		D ₅	D ₆	L ₁		L ₂	L ₃	L ₄	L ₅
	mm	mm	No dustband								Yes dustband					
	d	P	D ₁								D ₂	D ₃				
FPR003x1.5	3	1.5	14	34	12.5	-	-	4.8	24	24	34	15	10	2	10	16
FPR00302		2														
FPR003.5x1.5	3.5	1.5	16	35	14	-	-	4.8	25	29	39	16	10	2	13	17
FPR003.5x2		2														
FPR005x1.5	5	1.5	19	39	17	3	-	4.8	29	29	39	20.3	10	3	13	21
FPR00502		2														
FPR00503		3														
FPR00702		2														
FPR00703	7	3	20	41	17.5	3	-	4.8	31	29	39	20.3	10	3	13	21
FPR00704		4														
FPR00802	8	2	25	46	21	5	M5	4.8	36	31	41	26.3	10	3	13	23
FPR00803		3														
FPR00804		4														
FPR01002	10	2	24	46	22	5	M5	4.8	36	31	41	25.3	10	3	13	26
FPR01003		3														
FPR01004		4														