

FN-Flexnuts

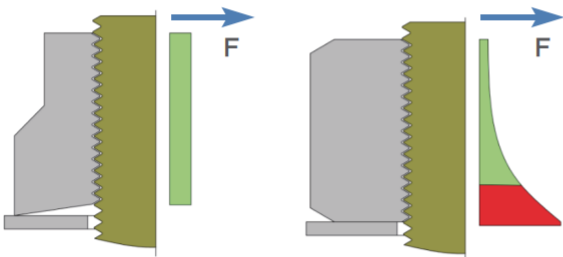
- Mechanical Multi-Jackbolt Pretensioners (MJP) are an ideal solution for purely axial pretensioning.
- FN Flexnuts are designed according to ISO 898-2 and are suitable for general bolting applications across all industrial sectors.

Flexnut expands outward at the base and contracts inward at the top when subjected to radial forces thanks to the unique design.

Thrust Washer protects the components from high stress.

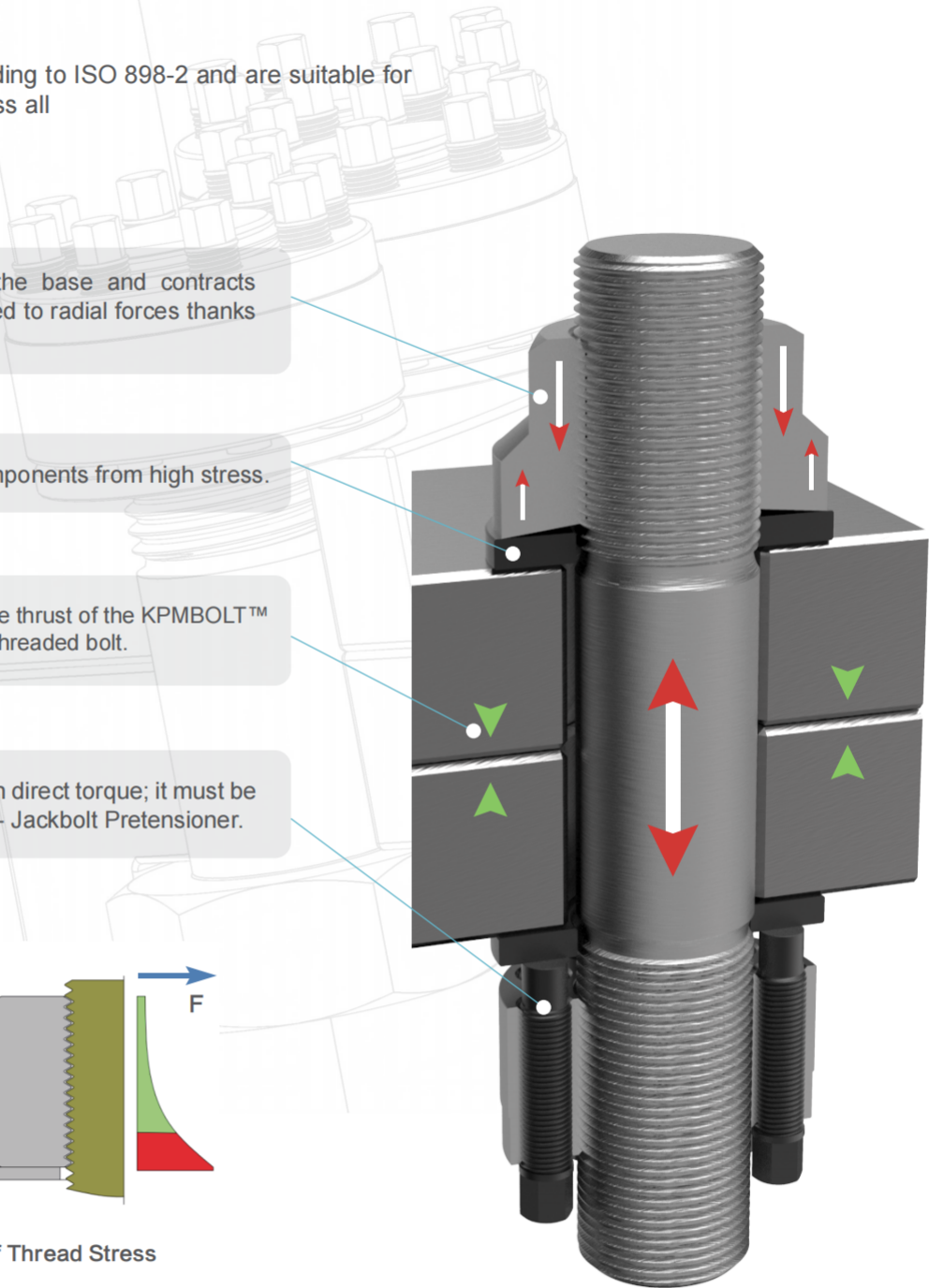
Clamping force is generated by the thrust of the KPMBOLT™ Jackbolts and the reaction of the threaded bolt.

Flexnut cannot be tightened with direct torque; it must be used in conjunction with a Multi- Jackbolt Pretensioner.



Schematic Diagram of Thread Stress

Flexnut evenly distribute stress on the threads, protecting them, extending bolt service life, and improving connection stability.



KPMBOLT Multi-Jackbolt Pretensioners (MJP) are patent-protected: China Patent No. 202522022988.8.

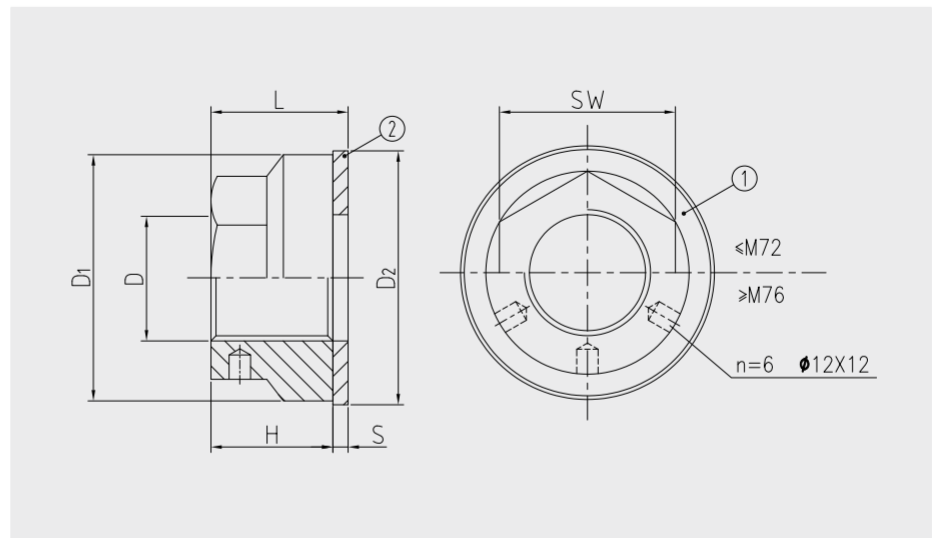
FNM-Flexnuts

1

Nut body

2

Hardened washer



Part No.		Nut body			Hardened washer		Total Height	Maximum preload
FNM - DXP	D	D1	H	SW	D2	S	L	Fmax
		mm	mm	mm	mm	mm	mm	kN
FNM - 30X3.5	M30	52	25	39	56	5	30	286
FNM - 33X3.5	M33	57	28	42	63	6	34	380
FNM - 36X4	M36	62	31	48	69	6	37	460
FNM - 39X4	M39	66	33	51	72	6	39	610
FNM - 42X4.5	M42	73	36	56	76	6	42	610
FNM - 45X4.5	M45	77	38	57	81	6	44	935
FNM - 48X5	M48	83	41	64	86	6	47	935
FNM - 52X5	M52	88	44	67	94	6	50	970
FNM - 56X5.5	M56	97	48	72	100	6	54	1120
FNM - 60X5.5	M60	105	51	76	110	8	59	1310
FNM - 64X6	M64	111	54	80	120	8	62	1690
FNM - 72X6	M72	125	61	90	130	8	69	1690
FNM - 76X6	M76	132	64	/	138	10	74	2530
FNM - 80X6	M80	139	68	/	145	10	78	2530
FNM - 90X6	M90	156	76	/	160	10	86	3380
FNM - 100X6	M100	173	85	/	180	10	95	3380
FNM - 110X6	M110	191	94	/	202	10	104	4200
FNM - 120X6	M120	208	102	/	215	12	114	5600
FNM - 125X6	M125	218	108	/	227	12	120	5600
FNM - 130X6	M130	226	111	/	234	12	123	6300
FNM - 140X6	M140	243	119	/	253	12	131	7000
FNM - 150X6	M150	260	127	/	271	12	139	7000

The maximum tensile force, F_{max} , exerts a long-term effective action on the bolted joint, including the operating load. Based on our design and manufacturing capabilities, we are also able to meet other application requirements, such as those for special materials, special surface treatments, or special thread clearance.

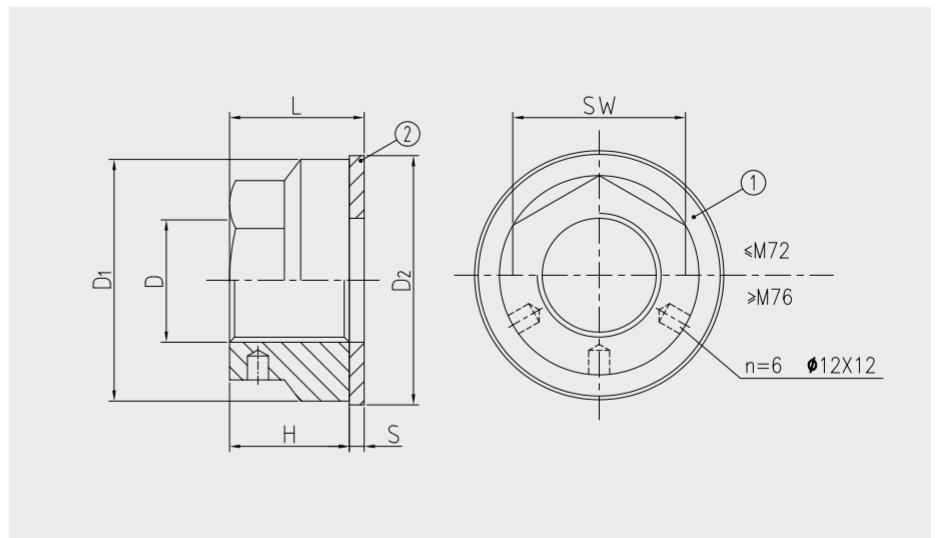
FNH-Flexnuts

1

Nut body

2

Hardened washer



Part No.	Nut body				Hardened washer		Total Height	Maximum preload
	D	D1 mm	H mm	SW mm	D2 mm	S mm	L mm	Fmax kN
FNH - DXP	D							
FNH - 30X3.5	M30	52	30	39	56	5	35	427
FNH - 33X3.5	M33	57	33	42	63	6	39	610
FNH - 36X4	M36	62	36	48	69	6	42	675
FNH - 39X4	M39	66	39	51	72	6	45	760
FNH - 42X4.5	M42	73	42	56	76	6	48	915
FNH - 45X4.5	M45	77	45	57	81	6	51	1170
FNH - 48X5	M48	83	48	64	86	6	54	1170
FNH - 52X5	M52	88	52	67	94	6	58	1400
FNH - 56X5.5	M56	97	56	72	100	6	62	1400
FNH - 60X5.5	M60	105	60	76	106	8	68	2100
FNH - 64X6	M64	111	64	80	120	8	72	2100
FNH - 72X6	M72	125	72	90	130	8	80	2530
FNH - 76X6	M76	132	76	/	138	10	86	3370
FNH - 80X6	M80	139	80	/	145	10	90	3370
FNH - 90X6	M90	156	90	/	160	10	100	4200
FNH - 100X6	M100	173	100	/	180	10	110	4900
FNH - 110X6	M110	191	110	/	202	10	120	5600
FNH - 120X6	M120	208	120	/	215	12	132	6300
FNH - 125X6	M125	218	125	/	227	12	137	6300
FNH - 130X6	M130	226	111	/	234	12	123	7000
FNH - 140X6	M140	243	119	/	253	12	131	7700
FNH - 150X6	M150	260	127	/	271	12	139	7700

The maximum tensile force, F_{max} , exerts a long-term effective action on the bolted joint, including the operating load. Based on our design and manufacturing capabilities, we are also able to meet other application requirements, such as those for special materials, special surface treatments, or special thread clearance.