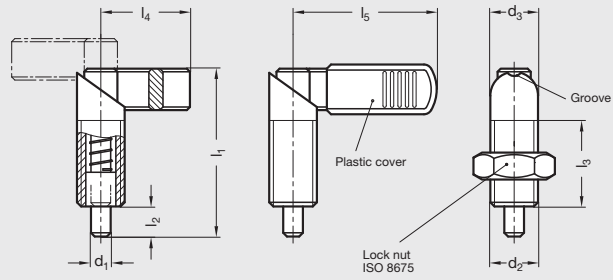


GN 612 | Steel Cam Action Indexing Plungers

Inch and Metric Size • Lock-Out Type



Body

Steel, black oxide finish

Lever arm

Steel, black oxide finish

Plunger pin

Steel, nitrided

Jam nut

Steel, black oxide finish, DIN 439/ISO 4035

Plastic sleeve

Matte black glass fiber reinforced nylon plastic, not removable

The cam action indexing plungers are best utilized when the pin needs to be retracted.

A groove exists so the plunger can be held in both positions.

The new grooved lever arm provides the user with a better grip when operating the mechanism.

In addition, the snap-on plastic ribbed sleeve offers a more aesthetically pleasing and comfortable finger grip.

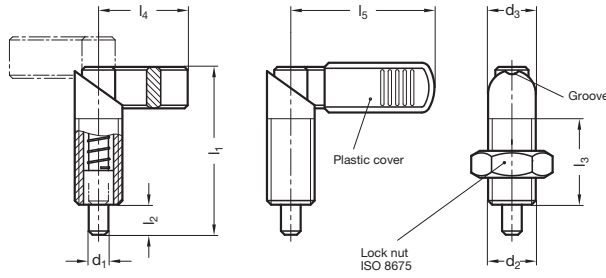
Maximum heat resistance of nylon plastic sleeve: 110°C (230°F).

Indexing plungers, lock-out type, see GN 617.1, page 529. Indexing plungers, non lock-out type, see GN 617, page 521, and GN 613, page 524.

Inch Size Table, Without Plastic Sleeve

Dimensions in: inches (millimeters)

Part Number		d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	Spring	Spring
Without	With	-0.02 mm	Thread				+1.5 mm		Load Lbs. ≈	Load Lbs. ≈
Lock Nut	Lock Nut	-0.04 mm							Initial	End
13TP49/A	13TP49/AK	.24 (6)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	2.7	7.2
13TP17/A	13TP17/AK	.31 (8)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	2.7	7.2
19TP17/A	19TP17/AK	.31 (8)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	4.7	13
13TP18/A	13TP18/AK	.39 (10)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	2.7	7.2
19TP18/A	19TP18/AK	.39 (10)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	4.7	13
19TP19/A	19TP19/AK	.47 (12)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	4.7	13



Inch Size Table, With Plastic Sleeve

Dimensions in: inches (millimeters)

Part Number		d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	l ₅	Spring Load Lbs. ≈ Initial	Spring Load Lbs. ≈ End
Without Lock Nut	With Lock Nut	-0.02 mm -0.04 mm	Thread				+1.5 mm				
13TP41/A	13TP41/AK	.24 (6)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	1.65 (42)	2.7	7.2
13TP42/A	13TP42/AK	.31 (8)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	1.65 (42)	2.7	7.2
19TP42/A	19TP42/AK	.31 (8)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	2.05 (52)	4.7	13
13TP43/A	13TP43/AK	.39 (10)	5/8-18	.63 (16)	2.20 (56)	.39 (10)	1.18 (30)	1.26 (32)	1.65 (42)	2.7	7.2
19TP43/A	19TP43/AK	.39 (10)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	2.05 (52)	4.7	13
19TP44/A	19TP44/AK	.47 (12)	3/4-16	.79 (20)	2.72 (69)	.47 (12)	1.42 (36)	1.46 (37)	2.05 (52)	4.7	13

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Metric Size Table, Without Plastic Sleeve

Dimensions in: millimeters (inches)

Part Number		d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	Spring Load N ≈ Initial	Spring Load N ≈ End
Without Lock Nut	With Lock Nut	-0.02 mm -0.04 mm	Thread				+1.5 mm			
120FP56/A	120FP56/AK	5 (.20)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	9	21
120FP49/A	120FP49/AK	6 (.24)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	9	21
160FP49/A	160FP49/AK	6 (.24)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	12	32
120FP17/A	120FP17/AK	8 (.31)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	9	21
160FP17/A	160FP17/AK	8 (.31)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	12	32
200XP17/A	200XP17/AK	8 (.31)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	21	58
160FP18/A	160FP18/AK	10 (.39)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	12	32
200XP18/A	200XP18/AK	10 (.39)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	21	58
200XP19/A	200XP19/AK	12 (.47)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	21	58

Indexing, Spring and Ball Plungers



Metric Size Table, With Plastic Sleeve

Dimensions in: millimeters (*inches*)

Part Number		d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	l ₅	Spring Load N ≈ Initial	Spring Load N ≈ End
Without Lock Nut	With Lock Nut	-0.02mm -0.04mm	Thread				+1.5mm				
120FP61/A	120FP61/AK	5 (.20)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	32 (1.26)	9	21
120FP41/A	120FP41/AK	6 (.24)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	32 (1.26)	9	21
160FP41/A	160FP41/AK	6 (.24)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	42 (1.65)	12	32
120FP42/A	120FP42/AK	8 (.31)	M12 x 1.5	12 (.47)	47 (1.85)	8 (.31)	26 (1.02)	26 (1.02)	32 (1.26)	9	21
160FP42/A	160FP42/AK	8 (.31)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	42 (1.65)	12	32
200XP42/A	200XP42/AK	8 (.31)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	52 (2.05)	21	58
160FP43/A	160FP43/AK	10 (.39)	M16 x 1.5	16 (.63)	56 (2.20)	10 (.39)	30 (1.18)	32 (1.26)	42 (1.65)	12	32
200XP43/A	200XP43/AK	10 (.39)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	52 (2.05)	21	58
200XP44/A	200XP44/AK	12 (.47)	M20 x 1.5	20 (.79)	69 (2.72)	12 (.47)	36 (1.42)	37 (1.46)	52 (2.05)	21	58

