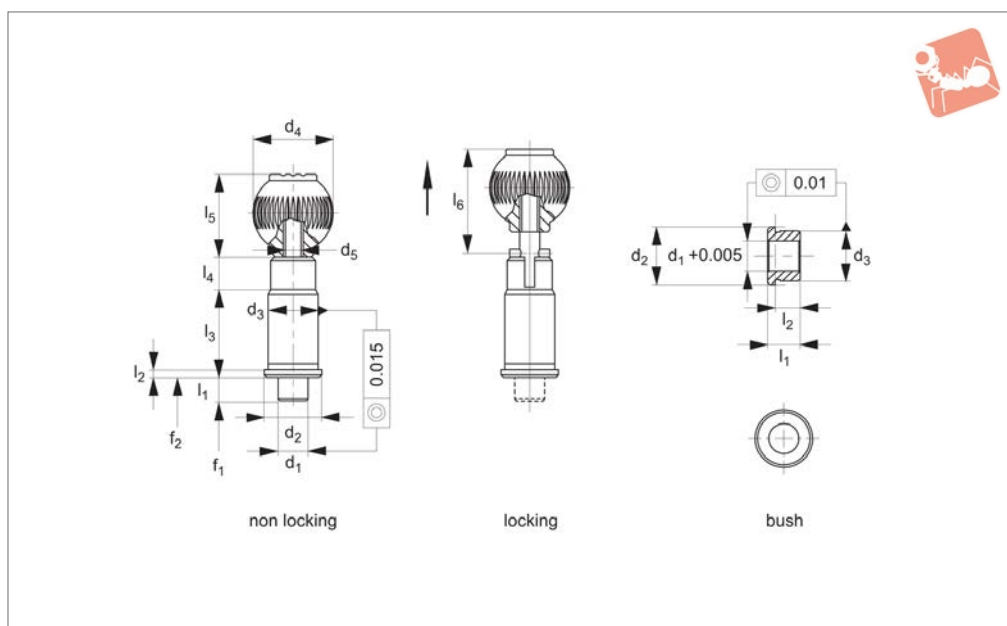




Index Plungers - Precision cylindrical pin

Index Plunger & Pins



32460

INDEX PLUNGER & PINS

Material

Pin, Body & Bush: case-hardened steel,
blackened and ground.
Grip: thermoplastic, black.

Technical Notes

Supplied part assembled to enable precise
setting, grip and body must be glued after

mounting. Non removable once installed.

„**Locking**“ type - enable pin to be held in
retracted/non-projecting position; pull
back grip, turn 90 to engage „locking“ on a
notched catch.

„**Non Locking**“ type - pin simply springs

back when grip released.

Tips

When used for alignment of two sub-
plates, the plunger's precise finish guaran-
tees high repetition accuracy.
Spring loads * = statistical average.

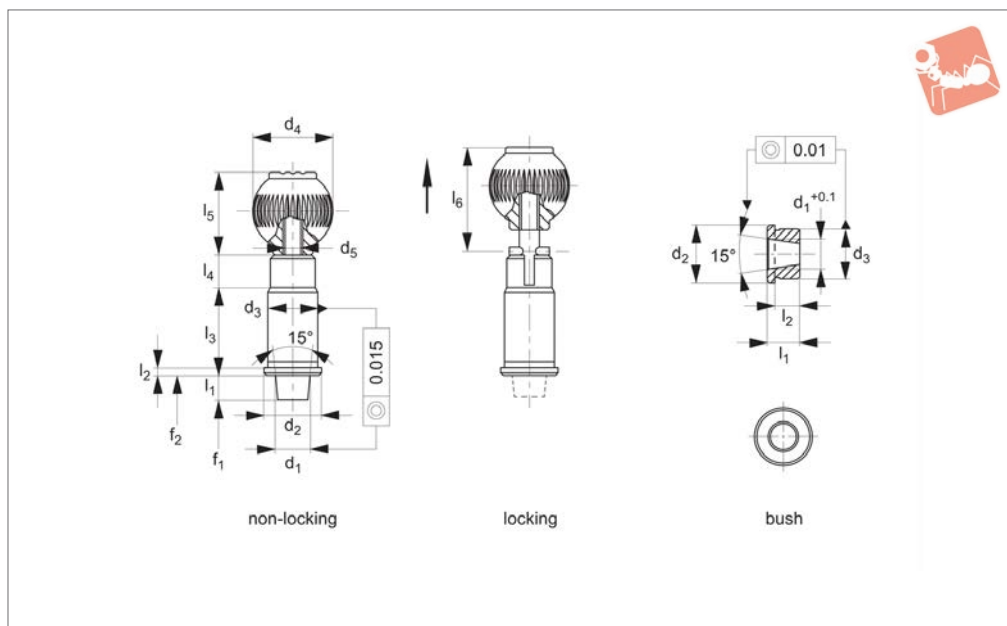
Order No.	Type	d_1 -0.005 -0.01	d_2	d_3 tol. n6	d_4	d_5	l_1 min.	l_2	l_3	l_4	l_5	l_6	Spring load F_1 N ≈	Spring load F_2 N ≈	Weight g
32460.W0010	Non Locking	10	19	16	25	M 6	10	2,5	31	13	25,0		15	30	79
32460.W0012	Non Locking	12	23	20	32	M 8	10	3,0	35	13	33,0		15	35	138
32460.W0016	Non Locking	16	28	25	40	M10	10	3,0	42	13	41,5		20	50	226
32460.W0020	Non Locking	20	33	30	40	M10	10	3,0	50	13	41,5		36	63	350
32460.W0025	Non Locking	25	42	38	50	M10	10	3,0	60	13	51,0		20	73	649
32460.W0060	Locking	10	19	16	25	M 6	10	2,5	31	13	25,0	36,5	15	30	79
32460.W0062	Locking	12	23	20	32	M 8	10	3,0	35	13	33,0	44,5	15	35	136
32460.W0066	Locking	16	28	25	40	M10	10	3,0	42	13	41,5	53,0	20	50	228
32460.W0070	Locking	20	33	30	40	M10	10	3,0	50	13	41,5	53,0	36	63	350
32460.W0075	Locking	25	42	38	50	M10	10	3,0	60	13	51,0	62,5	20	73	649
32460.W0090	Bush	10	19	16			11	8,5							11
32460.W0092	Bush	12	23	20			13	10,0							22
32460.W0093	Bush	16	28	25			17	14,0							40
32460.W0094	Bush	20	33	30			16	13,0							51
32460.W0096	Bush	25	42	38			19	16,0							99





Index Plungers - Precision tapered pin

Index Plunger & Pins



32480

INDEX PLUNGER & PINS

Material

Pin, body & bush: case hardened steel, blackened and ground.
Grip: thermoplastic, black.

Technical Notes

Supplied part assembled to enable precise setting, grip and body must be glued after

mounting. Non removable once installed.

„**Locking**” type - enable pin to be held in retracted/non-projecting position; pull back grip, turn 90° to engage „locking” on a notched catch.

„**Non Locking**” type - pin simply springs

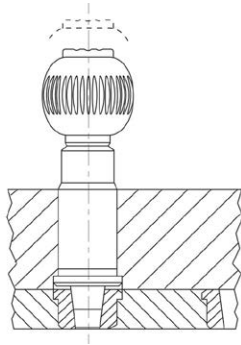
back when grip released.

Tips

When used for alignment of two sub-plates, the plunger’s precise finish on pin allows easier alignment of pin and bushing.

Spring loads * = statistical average.

Order No.	Type	Dia. Ø nom.	d ₁	d ₂	d ₃ tol. n6	d ₄	d ₅	l ₁ min.	l ₂	l ₃	l ₄	l ₅	l ₆	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Weight g
32480.W0110	Non Locking	10	10,00	19	16	25	M 6	6	2,5	31	13	25,0		19	29	78
32480.W0112	Non Locking	12	12,00	23	20	32	M 8	6	3,0	35	13	33,0		22	35	135
32480.W0116	Non Locking	16	16,00	28	25	40	M10	6	3,0	42	13	41,5		30	50	227
32480.W0120	Non Locking	20	20,00	33	30	40	M10	6	3,0	50	13	41,5		46	63	348
32480.W0125	Non Locking	25	25,00	42	38	50	M10	6	3,0	60	13	51,0		39	73	654
32480.W0160	Locking	10	10,00	19	16	25	M 6	6	2,5	31	13	25,0	32,5	19	29	78
32480.W0162	Locking	12	12,00	23	20	32	M 8	6	3,0	35	13	33,0	40,5	22	35	135
32480.W0166	Locking	16	16,00	28	25	40	M10	6	3,0	42	13	41,5	49,0	30	50	228
32480.W0170	Locking	20	20,00	33	30	40	M10	6	3,0	50	13	41,5	49,0	46	63	348
32480.W0175	Locking	25	25,00	42	38	50	M10	6	3,0	60	13	51,0	58,5	39	73	651
32480.W0190	Tapered Bush	10	7,10	19	16			11	8,5							13
32480.W0192	Tapered Bush	12	8,28	23	20			13	10,0							25
32480.W0193	Tapered Bush	16	11,52	28	25			17	14,0							47
32480.W0194	Tapered Bush	20	15,49	33	30			16	13,0							60
32480.W0196	Tapered Bush	25	19,70	42	38			19	16,0							114





A Wide Selection of Solutions

- Locating and positioning.
- Indexing.
- Securing.
- Positive locking.
- Rapid adjustment of all kinds of tables, platforms and fixtures.
- Machine and fixture design.
- OEM products.
- Sports equipment.
- Medical aides (wheelchairs etc.).
- Aerospace.
- Machine cabinets.

Applications

Materials

Locking or Non Locking

Handling and Actuation Methods

Mounting Options

Additional Technical Notes

Spring Loads



Steel with plastic grip



Stainless with plastic grip



Stainless body and grip



Locking (park)



Non locking (spring back)



Push pull



Standard grip



Lever grip



T-handle



Pull ring



Threaded for bespoke handle



Fine threaded (standard)



Coarse thread



Flange mount



Thin wall mount



Weldable

- Unless otherwise stated, grips on index plungers are not removable.
- Many of the pins on index plungers are toleranced to either the pin or the hole. Please refer to the specific product table.
- Index plungers are not recommended for shear load applications.

	Pin Tol.	Hole Tol.
①	h_9	$+0,03$ $+0,08$
②	$-0,02$ $-0,04$	H_7

s Stroke, or movement of plunger's pin.

f₁ The force required in Newtons (N) to over come the static strength of the spring and achieve initial movement of the plunger's pin.

f₂ The force required in Newtons (N) to fully compress the spring until the pin is fully depressed against the plunger's body.

