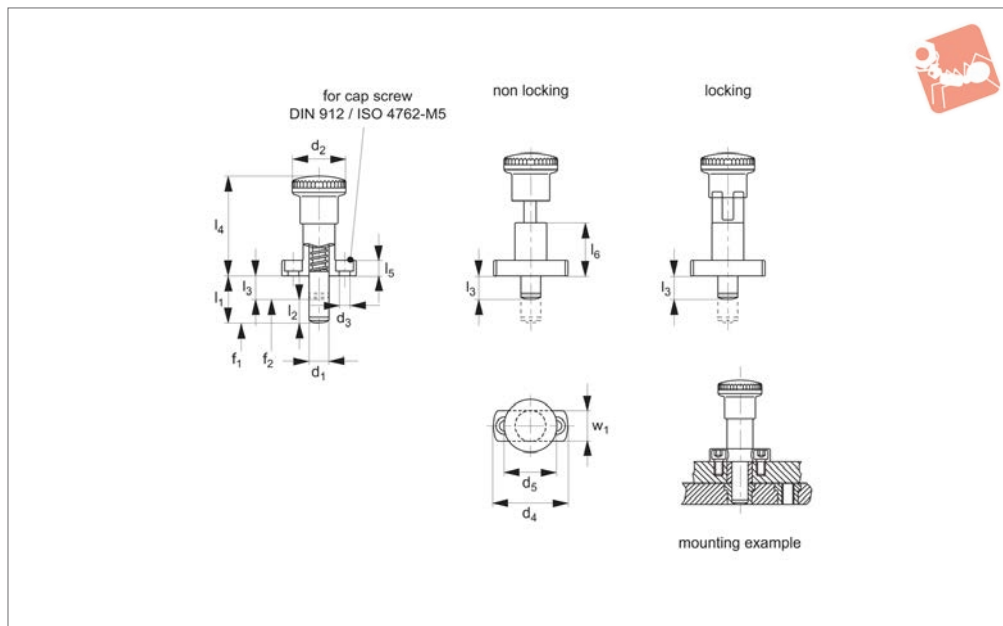




Index Plungers - Pull Grip

flange mounting - extended pin

Index Plunger & Pins



32530

INDEX PLUNGER & PINS

Material

Body: steel, blackened.
Pin: steel, hardened and ground.
Grip: thermoplastic PA6, black.

Technical Notes

„Locking“ type- enable pin to be held in retracted position; pull back grip, turn 90° to engage ‚locking‘ on a notched catch.
„Non Locking“ type- pin simply springs

back when grip is released.

Due to extended length pin does not fully retreat into plunger body when grip activated - note dimension l_3 for length pin remains exposed.

Extended pin assists locating and indexing of components. Due to its extended length the pin does not fully retract flush to the plunger body - please note dimensions l_1

for extended pin length and l_3 for retracted pin length. Pin is toleranced to h7 for improved location accuracy. Accuracy dependant upon suitable tolerance of bush, we suggest H7, with min. pin engagement to dim. l_3 .

Tips

Grip non-removable.
Spring Loads* = statistical average.

Order No.	Type	d_1 tol. h7	d_2	d_3	d_4	d_5	l_1	l_3	l_4	l_5	l_6	w_1	Spring load F_1 N ≈	Spring load F_2 N ≈	Stroke l_2	Weight g
32530.W0081	Non Locking	8	28	5,5	38	26	20	10	51	8	27	16	8,5	28	10	74
32530.W0083	Non Locking	8	28	5,5	38	26	26	16	51	8	27	16	8,5	28	10	77
32530.W0102	Non Locking	10	28	5,5	38	26	24	12	51	8	27	16	9,5	38	12	77
32530.W0104	Non Locking	10	28	5,5	38	26	32	20	51	8	27	16	9,5	38	12	80
32530.W0281	Locking	8	28	5,5	38	26	20	10	51	8	27	16	8,5	28	10	80
32530.W0283	Locking	8	28	5,5	38	26	26	16	51	8	27	16	8,5	28	10	83
32530.W0202	Locking	10	28	5,5	38	26	24	12	51	8	27	16	9,5	38	12	83
32530.W0204	Locking	10	28	5,5	38	26	32	20	51	8	27	16	9,5	38	12	100



A Wide Selection of Solutions

Applications

- 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.

Materials



Steel with plastic grip



Stainless with plastic grip



Stainless body and grip

Locking or Non Locking



Locking (park)



Non locking (spring back)



Push pull

Handling and Actuation Methods



Standard grip



Lever grip



T-handle



Pull ring



Threaded for bespoke handle

Mounting Options



Fine threaded (standard)



Coarse thread



Flange mount



Thin wall mount



Weldable

Additional Technical Notes

- 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

Spring Loads

- s** Stroke, or movement of plunger's pin.
- f₁** The force required in Newtons (N) to overcome 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.

