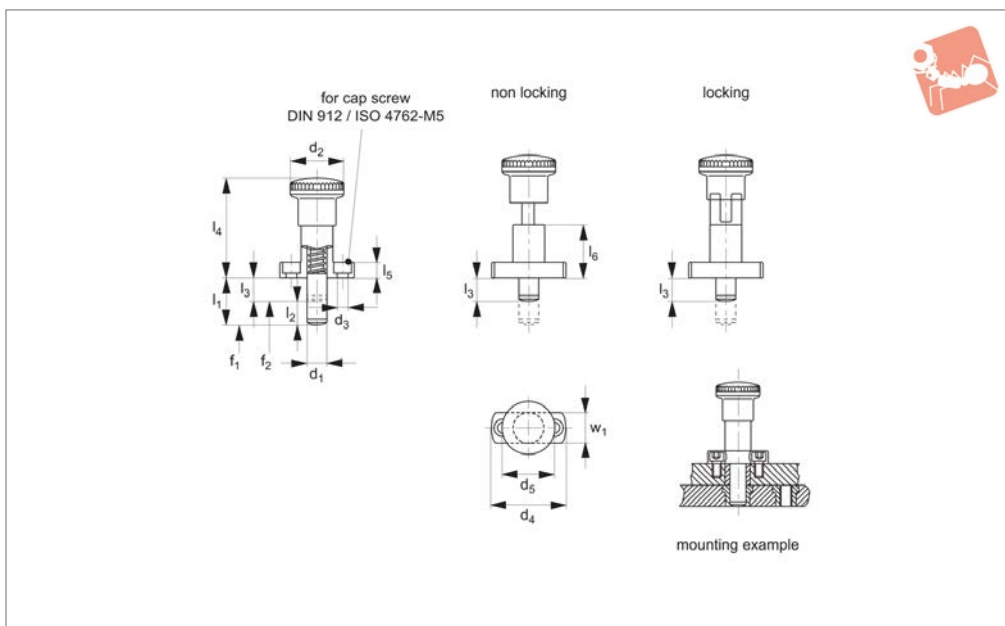




Index Plungers - Pull Grip

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 .

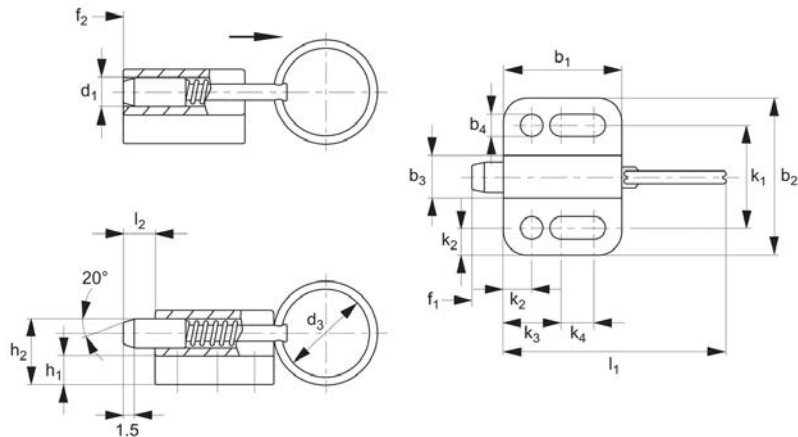
Tips

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



32540



Material

Body: die cast zinc, black.

Pin: stainless steel 1.4305 (AISI 303).

Pull ring: stainless steel 1.4305 (AISI 303).

Integral mounting flange simplifies installation on flat surfaces.

Temperature resistant to 100°C.

Technical Notes

„Non Locking“ type- pin simply springs back when pull ring released.

Tips

Spring loads * = statistical average.

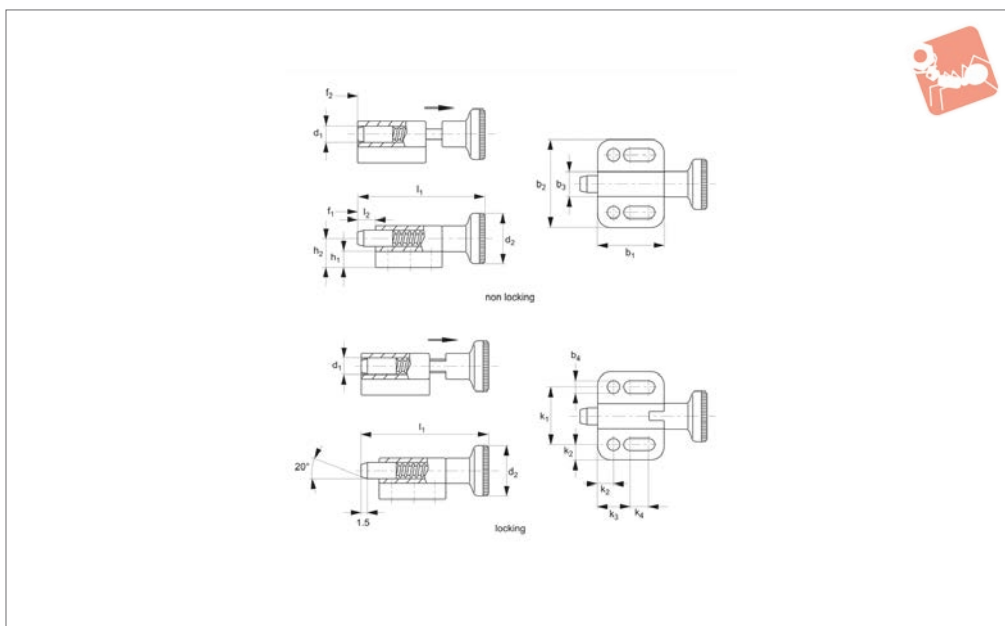
Order No.	Type	d ₁ tol. h9	d ₃	b ₁	b ₂	b ₃	b ₄ -0.2	h ₁	h ₂	k ₁ ±0.05	k ₂	k ₃	k ₄	l ₁	l ₂ min.	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Weight g
32540.W0304	Non Locking	4	14	16,5	22	6	3,3	4,0	7,0	14	4,0	8	4,5	34,5	4	3	12	10
32540.W0305	Non Locking	5	18	22,0	28	8	4,3	4,5	9,5	18	5,0	10	7,0	45,0	5	5	24	20
32540.W0306	Non Locking	6	24	27,5	32	10	5,4	5,0	10,5	21	5,5	12	10,0	57,5	6	5	21	40
32540.W0308	Non Locking	8	30	33,0	34	12	5,4	6,0	12,5	23	5,5	12	15,5	71,0	8	6	22	58
32540.W0310	Non Locking	10	30	35,0	39	14,5	6,5	6,0	14,5	27	6,0	15	13,5	75,0	10	4	25	83



Index Plungers - Pull Grip

flange mounting - locking

Index Plunger & Pins



32542

INDEX PLUNGER & PINS

Material

Body: die cast zinc, black.

Pin: stainless steel 1.4305 (AIAI 303).

Grip: thermoplastic PA6, black.

back grip, turn 90° to engage ,locking' on a notched catch.

„Non Locking“ type- pin simply springs back when grip released.

surfaces.

Temperature resistance from -30°C up to +80°C.

Technical Notes

„Locking“ type- enable pin to be held in retracted/non-projecting position; pull

Integral mounting flange simplifies installation of index plunger on horizontal

Tips

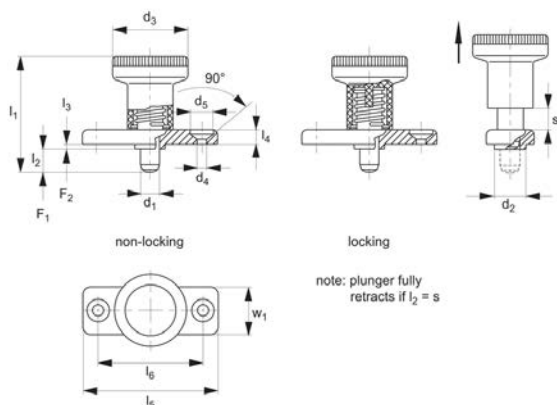
Grip non-removable.

Spring loads * = statistical average.

Order No.	Type	d ₁ tol. h9	d ₂	b ₁	b ₂	b ₃	b ₄ -0.2	h ₁	h ₂	k ₁ ±0.05	k ₂	k ₃	k ₄	l ₁	l ₂ min.	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Weight g
32542.W0324	Non Locking	4	12	16,5	22	6	3,3	4,0	7,0	14	4,0	8	4,5	30,5	4	3	12	11
32542.W0325	Non Locking	5	16	22,0	28	8	4,3	4,5	9,5	18	5,0	10	7,0	40,0	5	5	24	20
32542.W0326	Non Locking	6	18	27,5	32	10	5,4	5,0	10,5	21	5,5	12	10,0	49,0	6	5	21	37
32542.W0328	Non Locking	8	21	33,0	34	12	5,4	6,0	12,5	23	5,5	12	15,5	59,0	8	6	22	61
32542.W0330	Non Locking	10	25	35,0	39	14,5	6,5	6,0	14,5	27	6,0	15	13,5	67,5	10	4	25	90
32542.W0344	Locking	4	12	19,0	22	6	3,3	4,0	7,0	14	4,0	8	7,0	33,0	4	3	12	10
32542.W0345	Locking	5	16	25,5	28	8	4,3	4,5	9,5	18	5,0	10	10,5	43,5	5	5	24	26
32542.W0346	Locking	6	18	30,5	32	10	5,4	5,0	10,5	21	5,5	12	13,0	52,0	6	5	21	40
32542.W0348	Locking	8	21	37,5	34	12	5,4	6,0	12,5	23	5,5	12	20,0	63,5	8	6	22	67
32542.W0350	Locking	10	25	40,0	39	14,5	27	6,0	14,5	27	6,0	15	18,5	72,5	10	4	25	98



32760



Material

Free Cutting Steel Type-

Body: die cast zinc, galvanised.

Pin: steel, hardened.

Grip: thermoplastic PA6, black

Stainless Steel Type-

Body: die-cast zinc, galvanised.

Pin: stainless steel, 1.4305 (AISI 303),

nickel plated.

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 released.

Integral mounting flange simplifies installation on flat surfaces.

Pin does not fully retract in all cases - note dimension ,s' the stroke of the pin,

i.e. the amount by which the pin retracts when actuated.

Temperature resistance -30°C to +80°C

Tips

Grip non-removable.

Spring loads * = statistical average.

Order No.	Type	Material	d ₁ -0.02 - 0.04	d ₂ -0.02 - 0.1	d ₃	d ₄	d ₅	l ₁	l ₂	l ₃ -0.15	l ₄	l ₅	l ₆	w ₁	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Stroke s ₁	Weight g
32760.W0926	Non Locking	Steel	6	10	25	4,3	8,3	37	6	2,5	4,5	40	30	18	8,5	22	6	26
32760.W0927	Non Locking	Steel	6	10	25	4,3	8,3	45	14	2,5	4,5	40	30	18	8,5	22	6	38
32760.W0928	Non Locking	Steel	8	12	31	5,3	10,4	44	8	2,5	5,5	46	34	20	15,5	28	8	59
32760.W0929	Non Locking	Steel	8	12	31	5,3	10,4	54	18	2,5	5,5	46	34	20	15,5	28	8	63
32760.W0936	Locking	Steel	6	10	25	4,3	8,3	37	6	2,5	4,5	40	30	18	8,5	22	6	36
32760.W0937	Locking	Steel	6	10	25	4,3	8,3	45	14	2,5	4,5	40	30	18	8,5	22	6	38
32760.W0938	Locking	Steel	8	12	31	5,3	10,4	44	8	2,5	5,5	46	34	20	15,5	28	8	60
32760.W0939	Locking	Steel	8	12	31	5,3	10,4	54	18	2,5	5,5	46	34	20	15,5	28	8	63
32760.W0966	Non Locking	Stainless	6	10	25	4,3	8,3	37	6	2,5	4,5	40	30	18	8,5	22	6	26
32760.W0967	Non Locking	Stainless	6	10	25	4,3	8,3	45	14	2,5	4,5	40	30	18	8,5	22	6	38
32760.W0968	Non Locking	Stainless	8	12	31	5,3	10,4	44	8	2,5	5,5	46	34	20	15,5	28	8	59
32760.W0969	Non Locking	Stainless	8	12	31	5,3	10,4	54	18	2,5	5,5	46	34	20	15,5	28	8	63
32760.W0976	Locking	Stainless	6	10	25	4,3	8,3	37	6	2,5	4,5	40	30	18	8,5	22	6	36
32760.W0977	Locking	Stainless	6	10	25	4,3	8,3	45	14	2,5	4,5	40	30	18	8,5	22	6	38
32760.W0978	Locking	Stainless	8	12	31	5,3	10,4	44	8	2,5	5,5	46	34	20	15,5	28	8	60
32760.W0979	Locking	Stainless	8	12	31	5,3	10,4	54	18	2,5	5,5	46	34	20	15,5	28	8	63



Index Plunger - Pull Grip

flange mounting

Index Plunger & Pins





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.
- f_1** The force required in Newtons (N) to overcome the static strength of the spring and achieve initial movement of the plunger's pin.
- f_2** The force required in Newtons (N) to fully compress the spring until the pin is fully depressed against the plunger's body.

