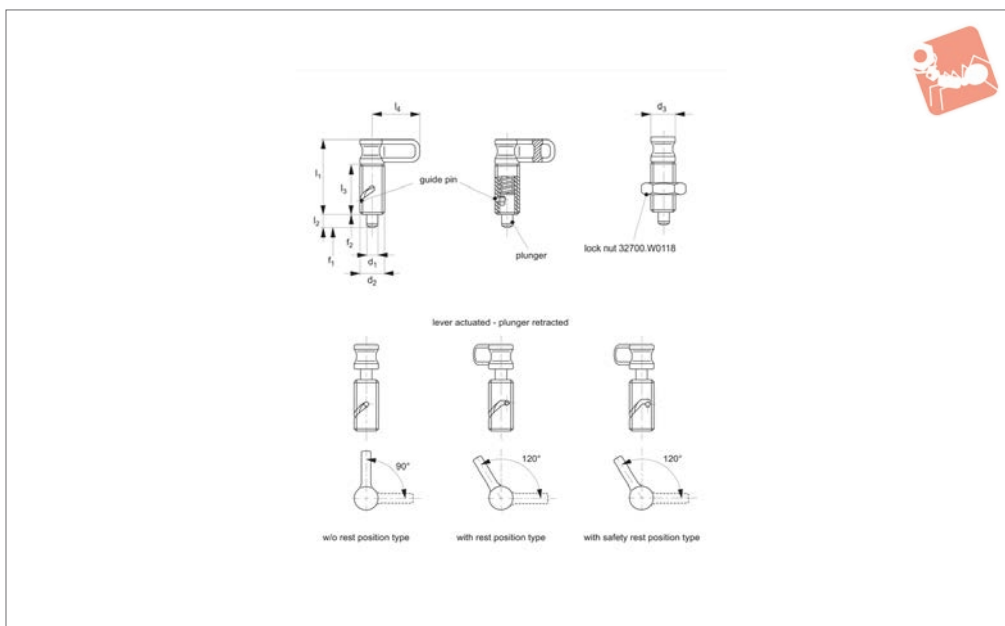




Index Plungers - Lever Grip

pin protruding at start

Index Plunger & Pins



32491

INDEX PLUNGER & PINS

Material

Body: steel zinc plated, blue passivated.
Pin: stainless steel 1.4305 (AISI 303).
Grip/Lever: thermoplastic, black.

Technical Notes

At start position locking pin is protruding, when lever is actuated locking pin retracts.

The lever can be turned anti-clockwise by 90° or 120°, over a cam guide, to retract

the pin.

Three different types available;

1) without rest position- sprung loaded pin which springs back to start position whenever released.

2) with rest position- pin held in retracted position via indexed notch on cam.

3) with safety rest position- pin held in retracted position via deep notch, to avoid

accidental actuation, lever must first be pulled out of notch prior to release.

Lock nuts sold separately. See products 65690 and 65692

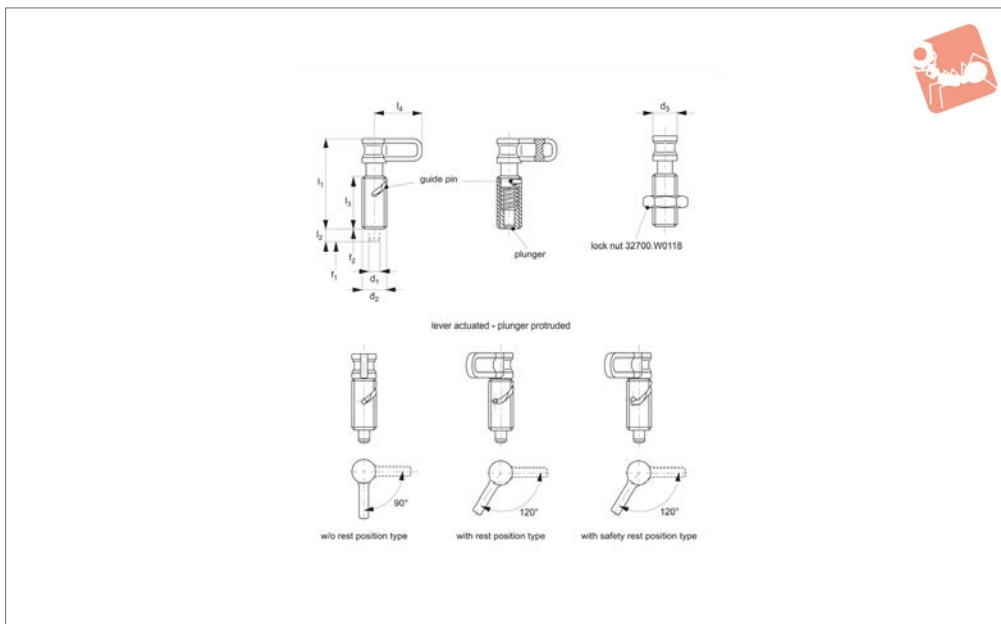
Tips

Spring Loads* = statistical average.

Order No.	Type	d ₁	d ₂	d ₃	l ₁ ≈	l ₂	l ₃ min.	l ₄	Spring load F ₁ N ≈	Spring load F ₂ N ≈
32491.W0006	W/o Rest Position - Spring Back	6	M16x1,5	16	51	8	35	32	6.5	20
32491.W0007	W/o Rest Position - Spring Back	8	M16x1,5	16	51	8	35	32	6.5	20
32491.W0009	W/o Rest Position - Spring Back	10	M16x1,5	16	51	8	35	32	6.5	20
32491.W0356	With Rest Position	6	M16x1,5	16	51	8	35	32	6.5	20
32491.W0357	With Rest Position	8	M16x1,5	16	51	8	35	32	6.5	20
32491.W0359	With Rest Position	10	M16x1,5	16	51	8	35	32	6.5	20
32491.W0456	With Safety Rest Position	6	M16x1,5	16	51	8	35	32	6.5	20
32491.W0457	With Safety Rest Position	8	M16x1,5	16	51	8	35	32	6.5	20
32491.W0459	With Safety Rest Position	10	M16x1,5	16	51	8	35	32	6.5	20



32492



Material

Body: steel, zinc plated, blue passivated.
Pin: stainless steel, 1.4305 (AISI 303).
Grip/Lever: thermoplastic, black.

Technical Notes

At start position locking pin is retracted, when lever is actuated locking pin protrudes.

The lever can be turned anti-clockwise by

90° or 120°, over a cam guide, to extend the pin.

Three different types available;

1) without rest position- sprung loaded pin which springs back to start position whenever released.

2) with rest position- pin held in protruding position via indexed notch on cam,

3) with safety rest position- pin held in

protruding position via deep notch, to avoid accidental actuation, lever must first be pulled out of notch prior to release.

Lock nuts sold separately. See products 65690 and 65692

Tips

Spring Loads* = statistical average.

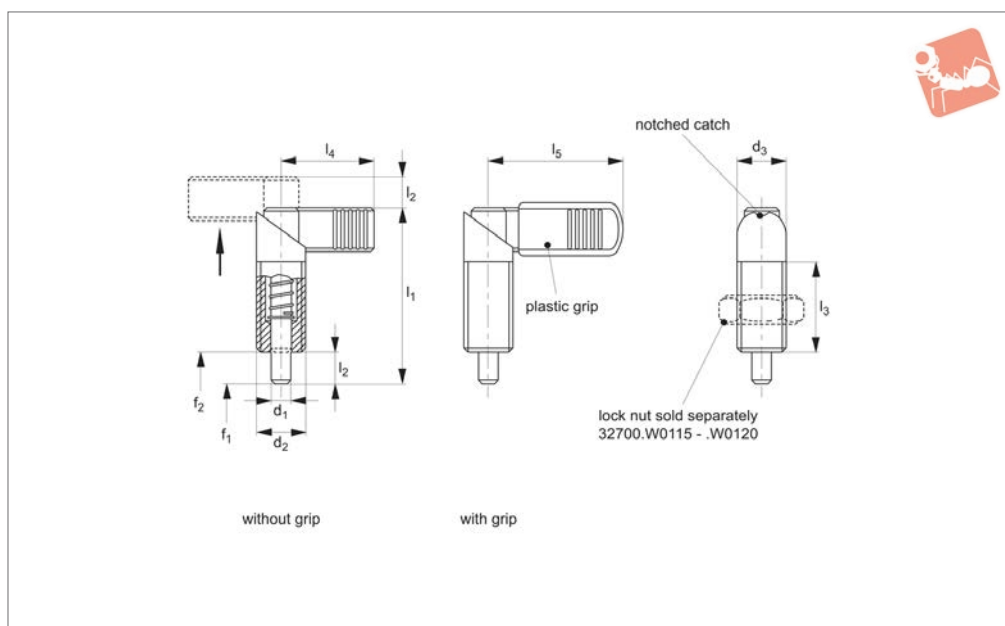
Order No.	Type	d ₁	d ₂	d ₃	l ₁ ≈	l ₂	l ₃ min.	l ₄	Spring load F ₁ N ≈	Spring load F ₂ N ≈
32492.W0326	W/o Rest Position - Spring Back	6	M16x1,5	16	60	8	35	32	7	16.5
32492.W0327	W/o Rest Position - Spring Back	8	M16x1,5	16	60	8	35	32	7	16.5
32492.W0366	With Rest Position	6	M16x1,5	16	60	8	35	32	7	16.5
32492.W0367	With Rest Position	8	M16x1,5	16	60	8	35	32	7	16.5
32492.W0466	With Safety Rest Position	6	M16x1,5	16	60	6	35	32	7	16.5
32492.W0467	With Safety Rest Position	8	M16x1,5	16	60	6	35	32	7	16.5



Index Plungers - Lever Grip

locking - steel

Index Plunger & Pins



32500

INDEX PLUNGER & PINS

Material

Body: free-cutting steel, blackened.

Pin: hardened steel.

Plastic grip: thermoplastic, black, dull.

Technical Notes

Turn lever 180° to retract pin. To enable

pin to be held in retracted position, secure lever in notched catch on plunger body.

Plastic grip type, improves handling.

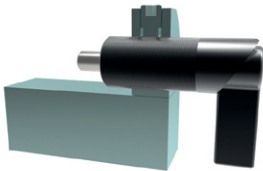
Temperature resistance of type with plastic grip is -30°C to +80°C

Lock nuts sold separately. See products 65690 and 65692

Tips

Spring loads * = statistical average.

Order No.	Type	d_1 -0.02 +0.04	d_2	d_3	l_1 ≈	l_2 min.	l_3 +1.5	l_4	l_5	Spring load F_1 N ≈	Spring load F_2 N	Weight g
32500.W0000	Without Grip	4	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	17.0
32500.W0001	Without Grip	5	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	18.0
32500.W0002	Without Grip	6	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	18.0
32500.W0003	Without Grip	5	M12x1,5	12	47.0	8	26	26	-	8.5	19.5	29.0
32500.W0004	Without Grip	6	M12x1,5	12	47.0	8	26	26	-	8.5	19.5	29.0
32500.W0006	Without Grip	6	M16x1,5	16	56.0	10	30	32	-	11.5	30.5	59.0
32500.W0005	Without Grip	8	M12x1,5	12	47.0	8	26	26	-	8.5	19.5	30.0
32500.W0007	Without Grip	8	M16x1,5	16	56.0	10	30	32	-	11.5	30.5	61.0
32500.W0008	Without Grip	8	M20x1,5	20	69.0	12	36	37	-	21.0	57.5	121.0
32500.W0009	Without Grip	10	M16x1,5	16	56.0	10	30	32	-	11.5	30.5	64.0
32500.W0010	Without Grip	10	M20x1,5	20	69.0	12	36	37	-	21.0	57.5	123.0
32500.W0012	Without Grip	12	M20x1,5	20	69.0	12	36	37	-	21.0	57.5	127.0
32500.W0353	With Grip	5	M12x1,5	12	47.0	8	26	-	32	8.5	19.5	30.0
32500.W0354	With Grip	6	M12x1,5	12	47.0	8	26	-	32	8.5	19.5	30.0
32500.W0356	With Grip	6	M16x1,5	16	56.0	10	30	-	42	11.5	30.5	61.0
32500.W0355	With Grip	8	M12x1,5	12	47.0	8	26	-	32	8.5	19.5	32.0
32500.W0357	With Grip	8	M16x1,5	16	56.0	10	30	-	42	11.5	30.5	63.0
32500.W0358	With Grip	8	M20x1,5	20	69.0	12	36	-	52	21.0	57.5	124.0
32500.W0359	With Grip	10	M16x1,5	16	56.0	10	30	-	42	11.5	30.5	66.0
32500.W0360	With Grip	10	M20x1,5	20	69.0	12	36	-	52	21.0	57.5	128.0
32500.W0362	With Grip	12	M20x1,5	20	69.0	12	36	-	52	21.0	57.5	131.0

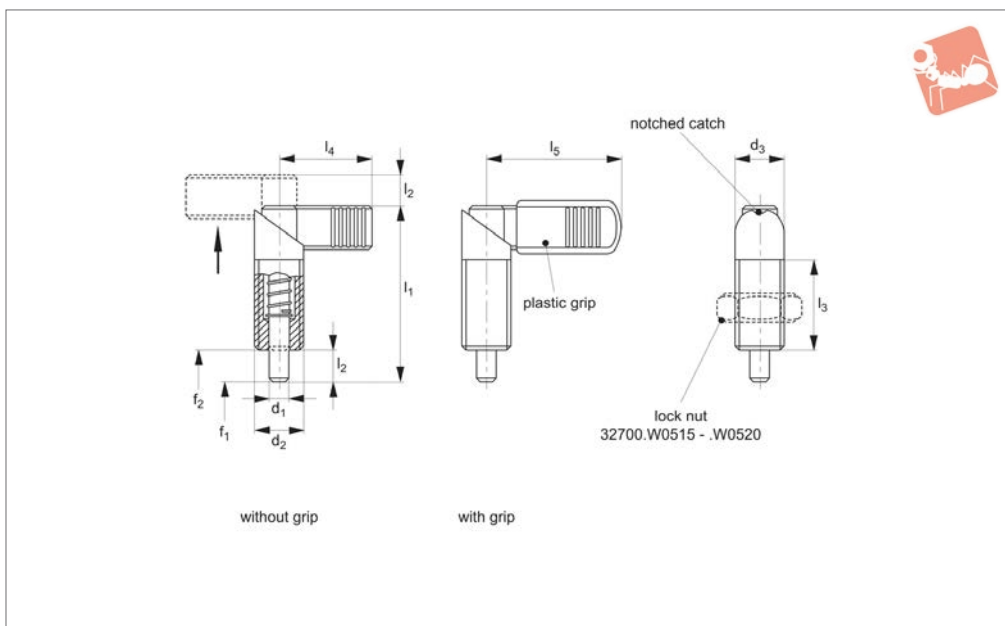




Index Plungers - Lever Grip

locking - stainless

Index Plunger & Pins



32501

INDEX PLUNGER & PINS

Material

Body: stainless steel 1.4305 (AISI 303).

Pin: stainless steel 1.4305 (AISI 303).

Plastic Grip: thermoplastic, black, dull.

Technical Notes

Turn lever 180° to retract pin. To enable

pin to be held in retracted position, secure lever in notched catch on plunger body.

Plastic grip type, improves handling.

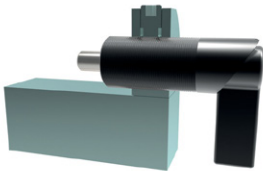
Temperature resistance of type with plastic grip is -30°C to +80°C

Lock nuts sold separately. See products 65690 and 65692

Tips

Spring loads * = statistical average.

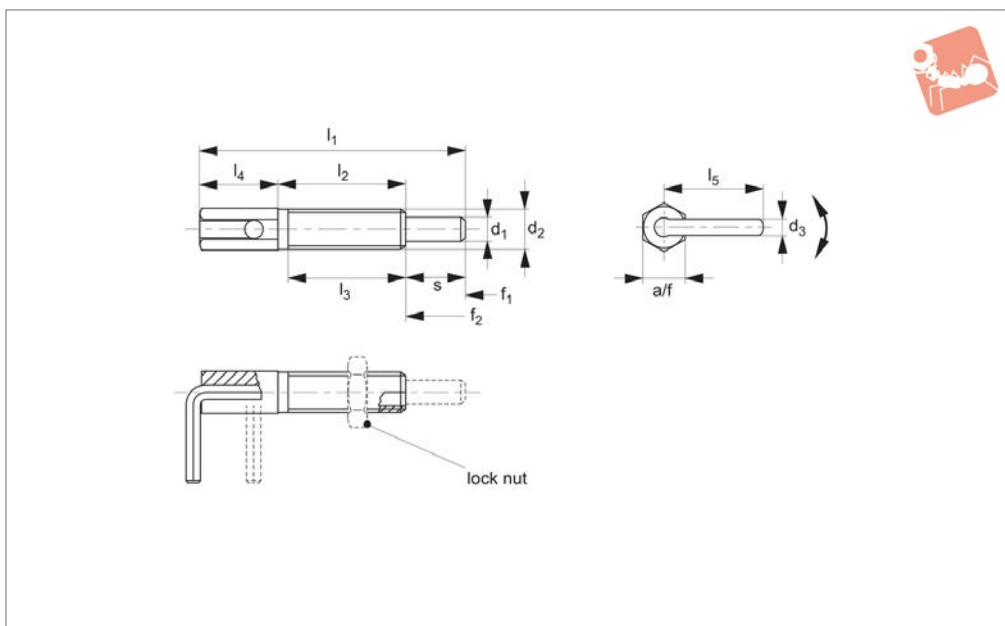
Order No.	Type	d_1 -0.02 +0.04	d_2	d_3	l_1 ≈	l_2 min.	l_3 +1.5	l_4	l_5	Spring load F_1 N ≈	Spring load F_2 N	Weight g
32501.W0308	Without Grip	4	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	17
32501.W0310	Without Grip	5	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	18
32501.W0312	Without Grip	6	M10x1,0	10	37.5	6	19	21	-	8.5	25.0	18
32501.W0323	Without Grip	5	M12x1,5	12	47	8	26	26	-	8.5	19.5	29.0
32501.W0324	Without Grip	6	M12x1,5	12	47	8	26	26	-	8.5	19.5	29.0
32501.W0326	Without Grip	6	M16x1,5	16	56	10	30	32	-	11.5	30.5	59.0
32501.W0325	Without Grip	8	M12x1,5	12	47	8	26	26	-	8.5	19.5	30.0
32501.W0327	Without Grip	8	M16x1,5	16	56	10	30	32	-	11.5	30.5	61.0
32501.W0328	Without Grip	8	M20x1,5	20	69	12	36	37	-	21.0	57.5	121.0
32501.W0329	Without Grip	10	M16x1,5	16	56	10	30	32	-	11.5	30.5	64.0
32501.W0330	Without Grip	10	M20x1,5	20	69	12	36	37	-	21.0	57.5	123.0
32501.W0332	Without Grip	12	M20x1,5	20	69	12	36	37	-	21.0	57.5	127.0
32501.W0363	With Grip	5	M12x1,5	12	47	8	26	-	32	8.5	19.5	30.0
32501.W0364	With Grip	6	M12x1,5	12	47	8	26	-	32	8.5	19.5	30.0
32501.W0366	With Grip	6	M16x1,5	16	56	10	30	-	42	11.5	30.5	61.0
32501.W0365	With Grip	8	M12x1,5	12	47	8	26	-	32	8.5	19.5	32.0
32501.W0367	With Grip	8	M16x1,5	16	56	10	30	-	42	11.5	30.5	63.0
32501.W0368	With Grip	8	M20x1,5	20	69	12	36	-	52	21.0	57.5	124.0
32501.W0369	With Grip	10	M16x1,5	16	56	10	30	-	42	11.5	30.5	66.0
32501.W0370	With Grip	10	M20x1,5	20	69	12	36	-	52	21.0	57.5	128.0
32501.W0372	With Grip	12	M20x1,5	20	69	12	36	-	52	21.0	57.5	131.0





Index Plungers - Lever Grip locking - coarse thread

Index Plunger & Pins



32555

INDEX PLUNGER & PINS

Material

Body: free cutting steel, zinc plated.

Pin: steel, galvanised.

Lever: steel, galvanised.

Technical Notes

Pull back and turn lever 180° to retract pin.

To enable pin to be held in retracted position, secure lever in notched catch on plunger body.

For applications where high precision is not required.

Coarse thread.

Temperature resistance up to 250°C

Lock nuts sold separately. See products 65690 and 65692

Tips

Spring loads* = statistical average.

Order No.	Type	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	l ₅	s	A/F	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Tightening torque Nm max.	Weight g
32555.W0105	Locking	4	M 6x1,00	2,3	41,5	20,0	17,0	12,0	15,5	9,5	6	3,0	10,0	1,6	6
32555.W0110	Locking	5	M 8x1,25	3,0	54,0	27,0	24,0	15,0	19,2	12,0	8	3,5	13,5	4,5	14
32555.W0115	Locking	6	M10x1,50	3,5	65,0	33,5	30,0	17,5	22,9	14,0	10	4,0	16,0	10,0	26
32555.W0120	Locking	8	M12x1,75	4,7	73,0	31,8	28,0	22,2	31,2	19,0	12	4,0	22,0	13,0	55
32555.W0125	Locking	10	M16x2,00	4,7	102,5	50,5	44,5	27,0	32,7	25,0	16	4,0	23,0	42,0	103



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.

