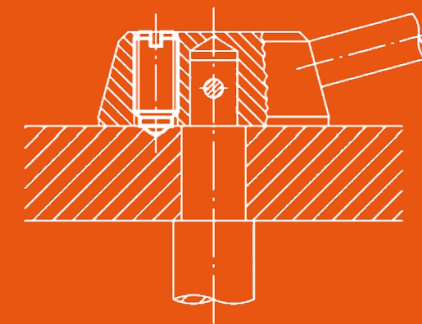


SPRING PLUNGERS AND INDEXING PINS

MON PLAST SPRING PLUNGERS
AND INDEXING PINS – RELIABLE
SOLUTIONS FOR INDEXING,
POSITIONING, AND FASTENING
COMPONENTS WITH A SPRING
SYSTEM.



Mon Plast clamping elements represent a reliable and versatile solution for a wide range of industrial applications. Our range also includes a family of spring plungers available in various configurations to meet the needs of different industries.



Spring plungers are designed for locking, positioning, and sliding components, contributing to vibration damping and improved operational stability. Indexing pins allow for quick and precise adjustment of parts, while ensuring position maintenance and preventing unwanted movement.



Spring plungers are functional solutions for indexing, positioning, and locking components. Easy to install and suitable for universal use.

SPRING PLUNGER WITH NOTCH AND BALL BURNISHED STEEL



Version - M06
Original size - 4 mm

MATERIAL
Steel body, strength class 5.8
Steel ball. Spring steel, class D

VERSION
Burnished. Hardened ball.

INDICATIONS
Quick indexing, positioning,
and clamping of components.

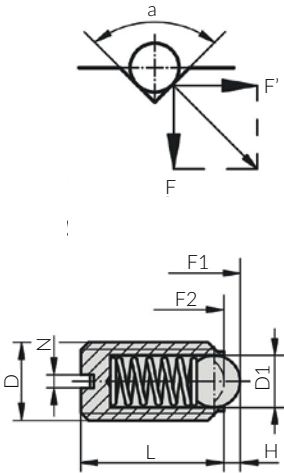
AREAS OF USE
Machinery construction, plant construction,
crafts, household use
Easy assembly.

COD.	Elastic force	D	L	D1	H	N	Elastic force beginning F1	Elastic force end F2
PRESATSAINM3700	standard	M3	7	1,5	0,4	0,4	1,5	3
PRESATSAINM4900	standard	M4	9	2,5	0,8	0,6	4	10
PRESATSAINM5200	standard	M5	12	3	0,9	0,8	6	11
PRESATSAINM6400	standard	M6	14	3,5	1	1	9	13
PRESATSAINM8600	standard	M8	16	5	1,5	1,2	15	30
PRESATSAINM10900	standard	M10	19	6	2	1,6	20	40
PRESATSAINM12200	standard	M12	22	8	2,5	2	30	55
PRESATSAINM16400	standard	M16	24	10	3,5	2,5	65	125
PRESATSAINM20000	standard	M20	30	12	4,5	2,5	80	160
PRESATPAINM3700	enhanced	M3	7	1,5	0,4	0,4	5	7
PRESATPAINM4900	enhanced	M4	9	2,5	0,8	0,6	12	22
PRESATPAINM5200	enhanced	M5	12	3	0,9	0,8	19	30
PRESATPAINM6400	enhanced	M6	14	3,5	1	1	28	40
PRESATPAINM8600	enhanced	M8	16	5	1,5	1,2	47	73
PRESATPAINM10900	enhanced	M10	19	6	2	1,6	66	100
PRESATPAINM12200	enhanced	M12	22	8	2,5	2	66	120
PRESATPAINM16400	enhanced	M16	24	10	3,5	2,5	90	180
PRESATPAINM20000	enhanced	M20	30	12	4,5	2,5	115	240

(mm)



FILE STEP
available online



$a=60^{\circ}, F' = 1,732 \times F$
 $a=90^{\circ}, F' = F$
 $a=120^{\circ}, F' = 0,577 \times F$

SPRING PLUNGER WITH NOTCH AND BALL STAINLESS STEEL



Version - M06
Original size - 4 mm

MATERIAL
Stainless steel
Body 1.4305
Ball 1.4034
Spring 1.4310

DESIGN
Untreated surface. Hardened ball.

INDICATIONS
Quick indexing, positioning, and clamping of components

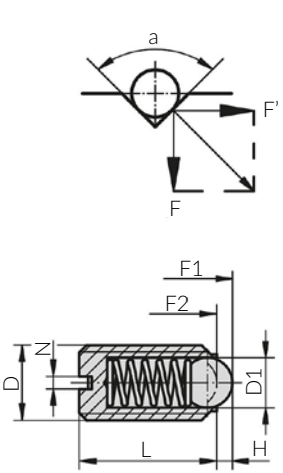
AREAS OF USE
Machinery construction, plant construction, crafts, household.
Universal use and easy to assemble.

COD.	Elastic force	D	L	D1	H	N	Elastic force beginning F1	Elastic force end F1
PRESATSAI0M3700	standard	M3	7	1,5	0,4	0,4	1,5	3
PRESATSAI0M4900	standard	M4	9	2,5	0,8	0,6	4	10
PRESATSAI0M5200	standard	M5	12	3	0,9	0,8	6	11
PRESATSAI0M6400	standard	M6	14	3,5	1	1	9	13
PRESATSAI0M8600	standard	M8	16	5	1,5	1,2	15	30
PRESATSAI0M10900	standard	M10	19	6	2	1,6	20	35
PRESATSAI0M12200	standard	M12	22	8	2,5	2	30	55
PRESATSAI0M16400	standard	M16	24	10	3,5	2,5	65	125
PRESATSAI0M20000	standard	M20	30	12	4,5	2,5	80	160
PRESATPAI0M3700	enhanced	M3	7	1,5	0,4	0,4	5	7
PRESATPAI0M4900	enhanced	M4	9	2,5	0,8	0,6	12	22
PRESATPAI0M5200	enhanced	M5	12	3	0,9	0,8	19	30
PRESATPAI0M6400	enhanced	M6	14	3,5	1	1	28	40
PRESATPAI0M8600	enhanced	M8	16	5	1,5	1,2	47	73
PRESATPAI0M10900	enhanced	M10	19	6	2	1,6	66	100
PRESATPAI0M12200	enhanced	M12	22	8	2,5	2	66	120
PRESATPAI0M16400	enhanced	M16	24	10	3,5	2,5	90	180
PRESATPAI0M20000	enhanced	M20	30	12	4,5	2,5	115	240

(mm)

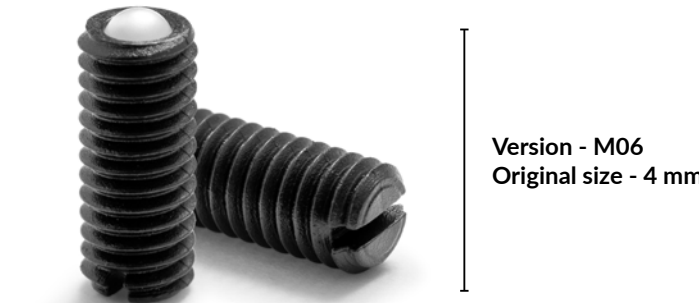


FILE STEP
available online



$a=60^{\circ}, F' = 1,732 \times F$
 $a=90^{\circ}, F' = F$
 $a=120^{\circ}, F' = 0,577 \times F$

PLASTIC SPRING PLUNGER WITH NOTCH AND POM BALL



Version - M06
Original size - 4 mm



FILE STEP
available online

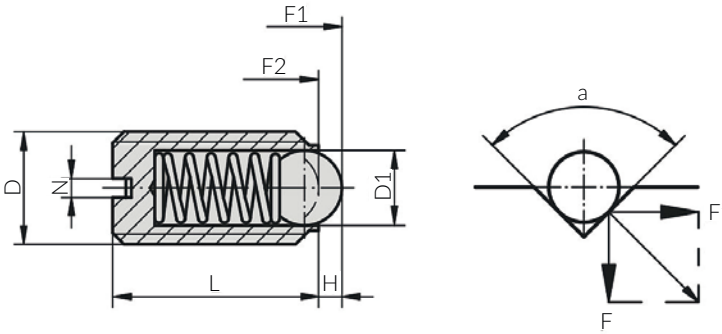
MATERIAL
Plastic body
POM ball
Compression spring 1.4310

VERSION
White ball.

NOTE
Spring plungers are used for indexing and positioning objects and also serve as tips and ejectors.

INDICATIONS
Quick indexing, positioning, and clamping of components.

AREAS OF APPLICATION
Machinery construction, plant construction, crafts, household. Universal use. Easy assembly.



$a=60^\circ, F' = 1,732 \times F$
 $a=90^\circ, F' = F$
 $a=120^\circ, F' = 0,577 \times F$

COD.	D	L	D1	H	N	Elastic force beginning F1	Elastic force end F1
PRESPTOPLNM6400	M6	14	3,5	1	1	9	13
PRESPTOPLNM8600	M8	16	5	1,5	1,2	15	30
PRESPTOPLNM10900	M10	19	6	2	1,6	20	40

(mm)

PLASTIC SPRING PLUNGER WITH NOTCH AND STAINLESS STEEL BALL



Version - M06
Original size - 4 mm



FILE STEP
available online

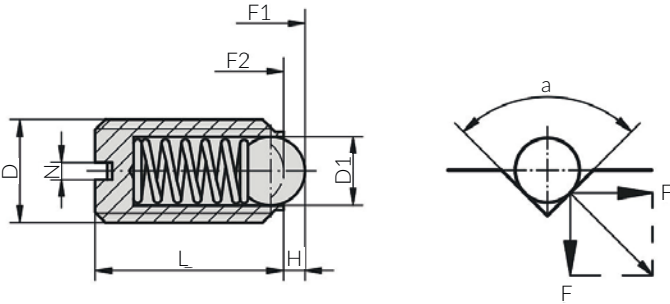
MATERIAL
Plastic body
Stainless steel ball 1.4034
Spring 1.4310

DESIGN
Hardened ball.

NOTE
Spring plungers are used for indexing and positioning objects and also serve as tips and ejectors.

INDICATIONS
Quick indexing, positioning and clamping of components

AREAS OF USE
Machinery construction, plant construction, crafts, household. Universal use. Easy assembly.



$a=60^\circ, F' = 1,732 \times F$
 $a=90^\circ, F' = F$
 $a=120^\circ, F' = 0,577 \times F$

COD.	D	L	D1	H	N	Elastic force beginning F1	Elastic force end F1
PRESATOPLNM6400	M6	14	3,5	1	1	9	13
PRESATOPLNM8600	M8	16	5	1,5	1,2	15	30
PRESATOPLNM10900	M10	19	6	2	1,6	20	40

(mm)

BURNISHED STEEL SPRING PLUNGER WITH HEXAGON SOCKET AND STAINLESS STEEL BALL



FILE STEP
available online



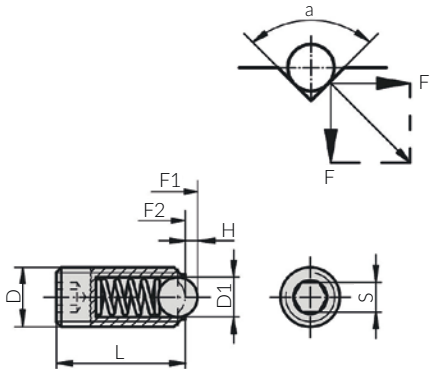
Version - M06
Original size - 4 mm

MATERIAL
Steel body, strength class 5.8
Steel ball
Spring made of spring steel, class D

VERSION
Burnished.
Hardened ball.

INDICATIONS
Quick indexing, positioning
and clamping of components

AREAS OF USE
Machinery construction, plant
construction, crafts, household use.
Universal use.
Easy assembly.



$a=60^\circ, F' = 1,732 \times F$
 $a=90^\circ, F' = F$
 $a=120^\circ, F' = 0,577 \times F$

COD.	Elastic force	D	L	D1	H	s	Elastic force beginning F1	Elastic force end F1
PRESAESAINM3900	standard	M3	9	1,5	0,4	1,5	1,5	3
PRESAESAINM4000	standard	M4	10	2,5	0,8	2	4	10
PRESAESAINM5400	standard	M5	14	3	0,9	2,5	6	11
PRESAESAINM6500	standard	M6	15	3,5	1	3	9	13
PRESAESAINM8800	standard	M8	18	5	1,5	4	15	30
PRESAESAINM10300	standard	M10	23	6	2	5	20	40
PRESAESAINM12600	standard	M12	26	8	2,5	6	30	55
PRESAESAINM16300	standard	M16	33	10	3,5	8	65	125
PRESAESAINM20300	standard	M20	43	12	4,5	10	80	160
PRESAESAINM24800	standard	M24	48	15	5,5	12	90	180
PRESAEPAINM3900	enhanced	M3	9	1,5	0,4	1,5	5	7
PRESAEPAINM4000	enhanced	M4	10	2,5	0,8	2	12	22
PRESAEPAINM5400	enhanced	M5	14	3	0,9	2,5	19	30
PRESAEPAINM6500	enhanced	M6	15	3,5	1	3	28	40
PRESAEPAINM8800	enhanced	M8	18	5	1,5	4	47	73
PRESAEPAINM10300	enhanced	M10	23	6	2	5	66	100
PRESAEPAINM12600	enhanced	M12	26	8	2,5	6	66	120
PRESAEPAINM16300	enhanced	M16	33	10	3,5	8	90	180
PRESAEPAINM20300	enhanced	M20	43	12	4,5	10	115	240
PRESAEPAINM24800	enhanced	M24	48	15	5,5	12	130	270

(mm)

STAINLESS STEEL SPRING PLUNGER WITH HEXAGON SOCKET STAINLESS STEEL BALL



FILE STEP
available online



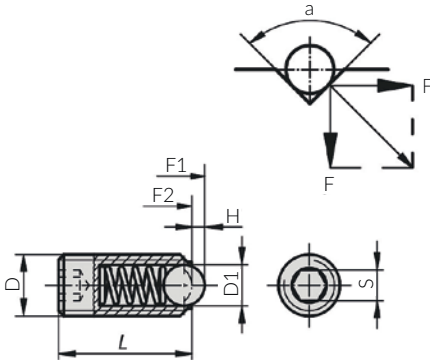
Version - M06
Original size - 4 mm

MATERIAL
Stainless steel
Body 1.4305
Ball 1.4034
Spring 1.4310

DESIGN
Untreated surface.
Hardened ball.

INDICATIONS
Quick indexing, positioning, and
clamping of components.

AREAS OF USE
Machinery construction, plant
construction, crafts, household.
Universal use and easy to assemble.
Hardened tip.



$a=60^\circ, F' = 1,732 \times F$
 $a=90^\circ, F' = F$
 $a=120^\circ, F' = 0,577 \times F$

COD.	Elastic force	D	L	D1	H	s	Elastic force beginning F1	Elastic force end F1
PRESAESAI0M3900	standard	M3	9	1,5	0,4	1,5	1,5	3
PRESAESAI0M4000	standard	M4	10	2,5	0,8	2	4	10
PRESAESAI0M5400	standard	M5	14	3	0,9	2,5	6	11
PRESAESAI0M6500	standard	M6	15	3,5	1	3	9	13
PRESAESAI0M8800	standard	M8	18	5	1,5	4	15	30
PRESAESAI0M10300	standard	M10	23	6	2	5	20	35
PRESAESAI0M12600	standard	M12	26	8	2,5	6	30	55
PRESAESAI0M16300	standard	M16	33	10	3,5	8	65	125
PRESAESAI0M20300	standard	M20	43	12	4,5	10	80	160
PRESAESAI0M24800	standard	M24	48	15	5,5	12	90	180
PRESAEPAI0M3900	enhanced	M3	9	1,5	0,4	1,5	5	7
PRESAEPAI0M4000	enhanced	M4	10	2,5	0,8	2	12	22
PRESAEPAI0M5400	enhanced	M5	14	3	0,9	2,5	19	30
PRESAEPAI0M6500	enhanced	M6	15	3,5	1	3	28	40
PRESAEPAI0M8800	enhanced	M8	18	5	1,5	4	47	73
PRESAESAI0M10300	enhanced	M10	23	6	2	5	66	100
PRESAESAI0M12600	enhanced	M12	26	8	2,5	6	66	120
PRESAESAI0M16300	enhanced	M16	33	10	3,5	8	90	180
PRESAESAI0M20300	enhanced	M20	43	12	4,5	10	115	240
PRESAESAI0M24800	enhanced	M24	48	15	5,5	12	130	270

(mm)

SMOOTH SPRING PLUNGER
IN PLASTIC
WITH POM / STAINLESS STEEL BALL



Version - M06
Original size - 4 mm

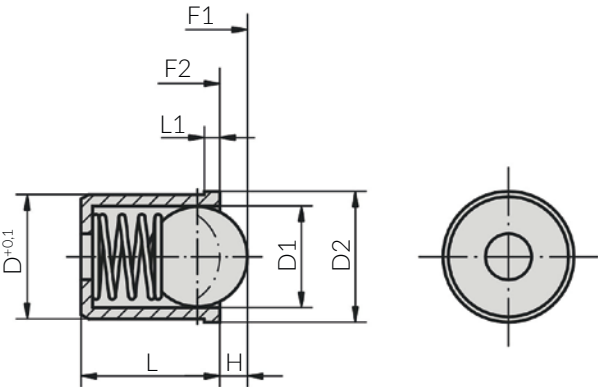
MATERIAL
Thermoplastic resin body
Stainless steel spring
Stainless steel or POM ball

VERSION
Black body.
Hardened, untreated ball.

INDICATIONS
Quick indexing, positioning, and
clamping of components

APPLICATION AREAS
Machinery construction, plant
construction, crafts, household use.

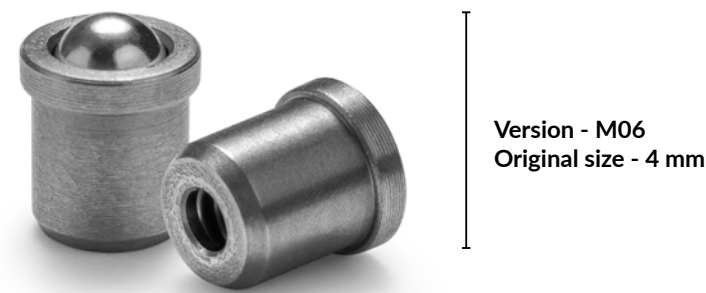
UNIVERSAL USE.
Easy assembly.



COD.	Mat. Comp.	D	L	D1	D2	H	L1	Elastic force beginning F1	Elastic force end F1
PRESA00PLN04500	stainless steel	4	5	3	4,6	0,7	1	3	7
PRESA00PLN05600	stainless steel	5	6	4	5,6	1	1	4	7
PRESA00PLN06700	stainless steel	6	7	5	6,5	1,5	1	6	12
PRESA00PLN08900	stainless steel	8	9	6,5	8,5	1,8	1	6	12
PRESA00PLN10300	stainless steel	10	13,5	8	12	2,7	2,5	10	20
PRESA00PLN12600	stainless steel	12	16	10	14	3,5	2,5	15	25
PRESP00PLN04500	POM	4	5	3	4,6	0,7	1	3	7
PRESP00PLN05600	POM	5	6	4	5,6	1	1	4	7
PRESP00PLN06700	POM	6	7	5	6,5	1,5	1	6	12
PRESP00PLN08900	POM	8	9	6,5	8,5	1,8	1	6	12
PRESP00PLN10300	POM	10	13,5	8	12	2,7	2,5	10	20
PRESP00PLN12600	POM	12	16	10	14	3,5	2,5	15	25

(mm)

SMOOTH SPRING PLUNGER
IN STAINLESS STEEL
WITH POM / STAINLESS STEEL BALL



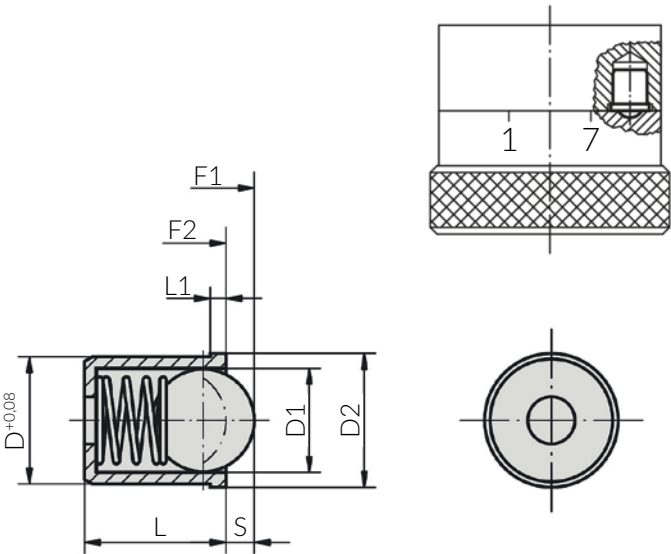
Version - M06
Original size - 4 mm

MATERIAL
Stainless steel body and spring
Stainless steel or POM ball

VERSION
Untreated body.
Hardened, untreated ball.

INDICATIONS
Quick indexing, positioning, and
clamping of components

APPLICATION AREAS
Machinery construction, plant
construction, crafts, household
Universal use.
Easy assembly.



COD.	Mat. Comp.	D	L	D1	D2	H	L1	Elastic force beginning F1	Elastic force end F1
PRESA00AI0002300	stainless steel	2	3	1,5	2,5	0,6	0,4	1,2	2,5
PRESA00AI0003400	stainless steel	3	4	2,5	3,5	0,8	0,65	1,7	3,4
PRESA00AI004500	stainless steel	4	5	3	4,6	1	0,8	3	7
PRESA00AI005600	stainless steel	5	6	4	5,6	1	1	4	7
PRESA00AI006700	stainless steel	6	7	5	6,5	1	1,5	6	12
PRESA00AI008900	stainless steel	8	9	6,5	8,5	1	1,8	6	12
PRESA00AI010300	stainless steel	10	13,5	8	12	2,5	2,7	10	20
PRESA00AI012600	stainless steel	12	16	10	14	2,5	3,5	15	25
PRESP00AI004500	POM	4	5	3	4,6	1	0,6	3	7
PRESP00AI005600	POM	5	6	4	5,6	1	0,8	4	7
PRESP00AI006700	POM	6	7	5	6,5	1	1,3	6	12
PRESP00AI008900	POM	8	9	6,5	8,5	1	1,6	6	12
PRESP00AI010300	POM	10	13,5	8	12	2,5	2,6	10	20
PRESP00AI012600	POM	12	16	10	14	2,5	3,3	15	25

(mm)

INDEXING
PINS

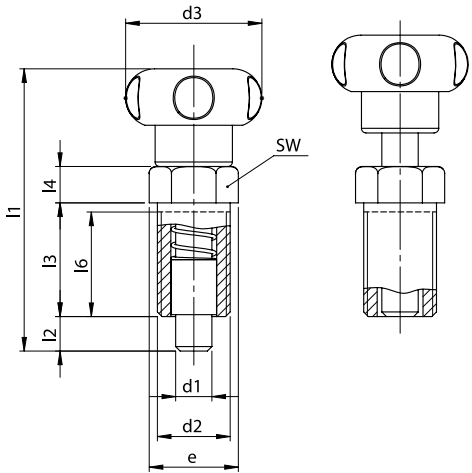


lobed handwheel
**NYLON 6 LOADED
BLACK FIBERGLASS**

insert
STEEL

bushing
STAINLESS STEEL

pin
HARDENED STEEL



COD.	TYPE	d1	d2	d3	e	l1	l2	l3	l4	l6	sw	LOAD MAX.	WEIGHT G
SPIPZ5LNFN2010X1	SPI PZ D.20 M10X1	5	M10x1	20	12,5	46	5	17	8	15,5	11	15	21
SPIPZ5LNFN201215	SPI PZ D.20 M12X1,5	6	M12x1.5	20	16	50	6	20	8	17,5	14	17	31
SPIPZ5LNFN301215	SPI PZ D.30 M12X1,5	6	M12x1.5	30	16	50	6	20	8	17,5	14	17	31
SPIPZ5LNFN301615	SPI PZ D.30 M16X1,5	8	M16x1.5	30	19,5	62.5	8	25	8	21,5	17	19	67
SPIPZ5LNFN402015	SPI PZ D.40 M20X1,5	10	M20x1.5	40	25	80	10	33	9	28,5	22	30	121

(mm)



FILE STEP
available online

