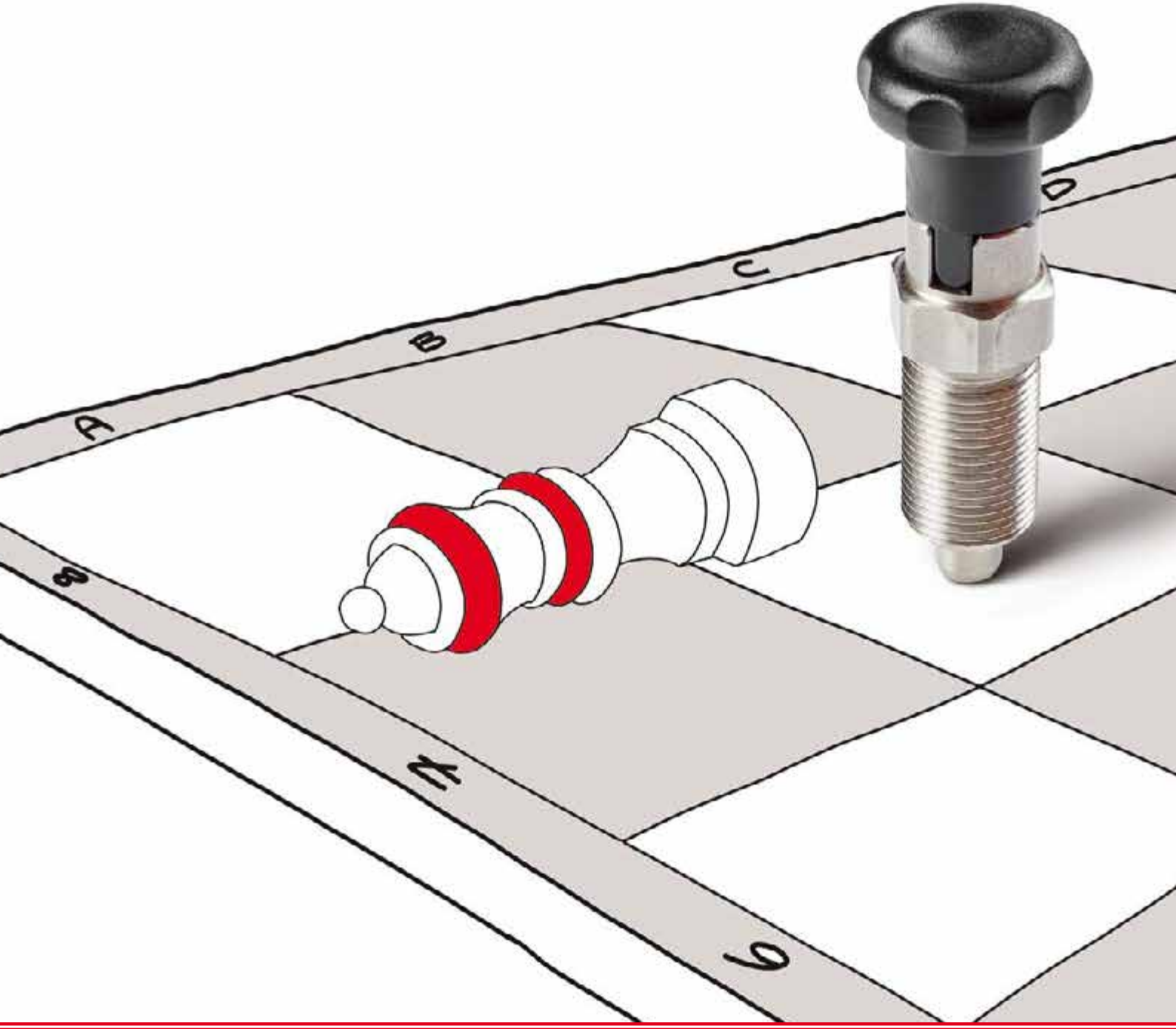
BOTECO®

YOUR MECHANICAL COMPONENT

GROUP - WS

METAL PLUNGERS LINE



Checkmate anyone who says that you cannot **SAVE** time and money!

BOTECO®

W770

GALVANIZED STEEL HEXAGONAL PLUNGER WITH SMOOTH NOSE PIN

Materials:
(2) Plunger body in free-cutting steel.
(4) Turned steel closing cap, with hexagonal key seat.
(1) Turned free-cutting steel nose pin.

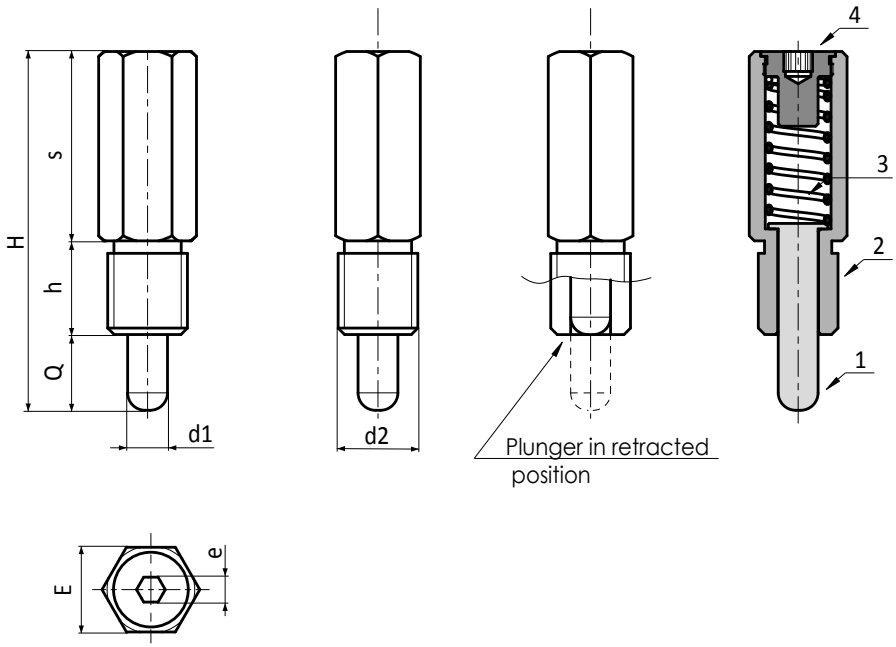
Surface finish:
Smooth.

Colour:
Standard blue galvanising.

Spring:
(3) Stainless steel spring (Aisi 302).

Special Requests:
- None.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.



	Art.	E	H	h	s	e	d2	d1 -0,04 -0,08	Q	g
●	**W77017.Q08X15**	17	**72**	19	38	5	**M16**	08	15	72

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W790

+80° -20° | PA6 +G.F. | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH BLACK OXIDE TREATED STEEL PLUNGER AND FLANGE

Materials:
(3) Reinforced polyamide lobed knob. Cannot be disassembled.
Resistant to oils and greases.

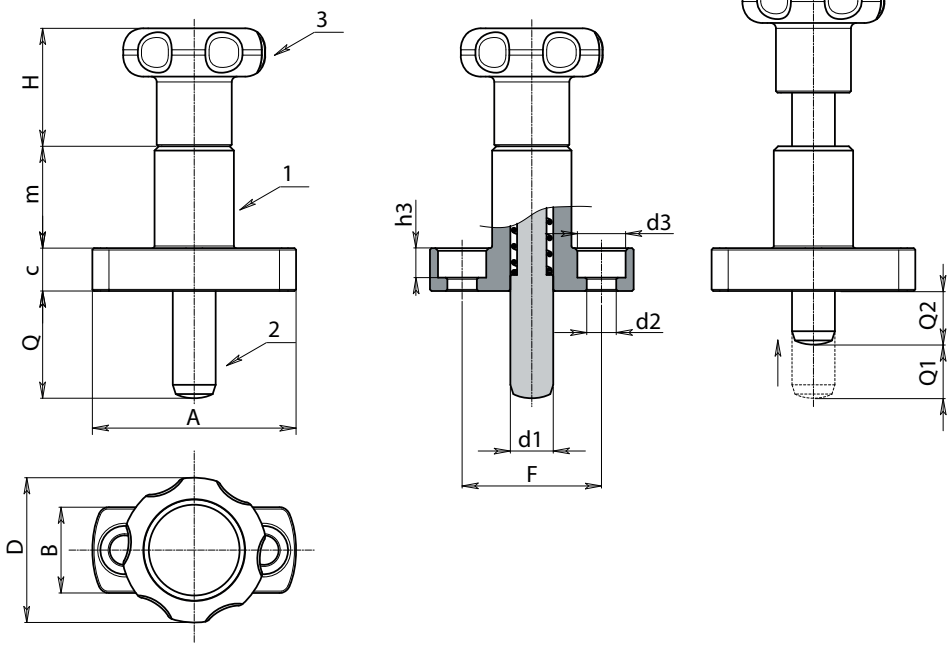
Surface finish:
(3) Satin.
(1-2) Smooth.

Colour:
(3) Black (RAL 9011).
(1-2) Black-oxide treated.

Inserts:
(4) Stainless steel spring.
(1) Smooth steel body, with incorporated turned and bored flange.
(2) Hardened high resistance steel plunger pin.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].



	Art.	D	H	m	c	A	B	F	h3	d2	d3	d1 -0,02 -0,04	Q	Q1	Q2	g
●	**W790027.Q08X2001**	27	**22**	19	8	38	16	26	5.5	5.5	9	8	**20**	10	10	74
●	**W790027.Q08X2601**	27	**22**	19	8	38	16	26	5.5	5.5	9	8	**26**	10	16	75
●	**W790027.Q10X2401**	27	**22**	19	8	38	16	26	5.5	5.5	9	10	**24**	12	12	75
●	**W790027.Q10X3201**	27	**22**	19	8	38	16	26	5.5	5.5	9	10	**32**	12	20	76

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W806

+80° -20° | PA6 +G.F. | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH SMOOTH WELDABLE BLACK OXIDE TREATED STEEL PLUNGER

Materials:
(4) Reinforced polyamide lobed knob.
Resistant to oils and greases.

Surface finish:
(4) Satin.
(1-2) Smooth.

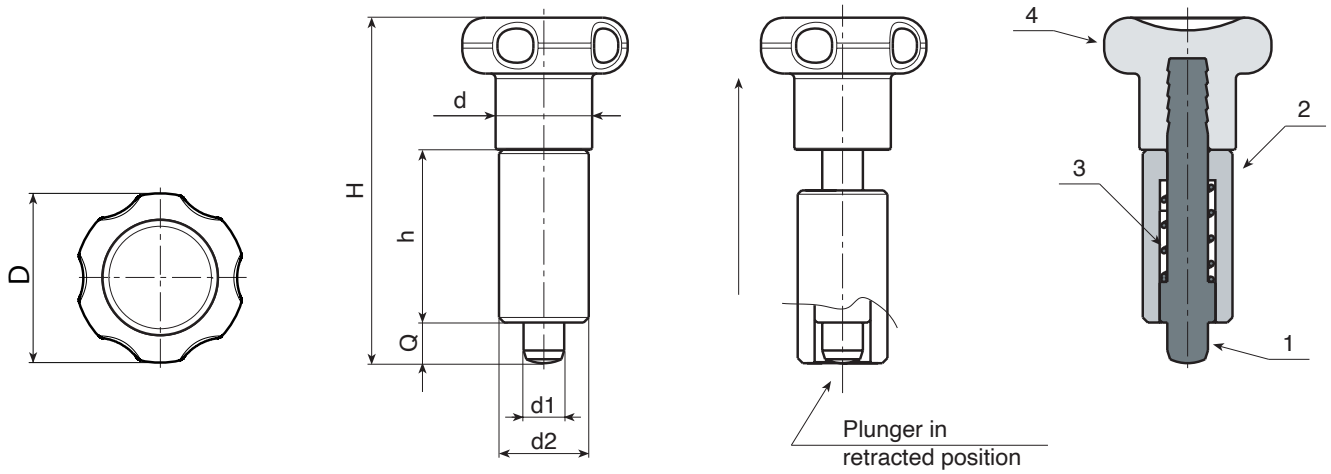
Colour:
(4) Black (RAL 9011).
(1-2) Black-oxide treated.

Inserts:
(3) Galvanised steel spring.
(2) Smooth bored body in weldable steel.
(1) Hardened high resistance steel plunger pin.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].

ATTENTION:
To avoid problems when welding the steel body to the machinery, the plastic knob is supplied disassembled. Screw in the knob once the part has cooled down.



	Art.	D	H	h	d2	d	d1 -0,02 -0,04	Q	g
●	**W806.Q0501**	22	**45**	22	12	**12**	5	5	23
●	**W806.Q0601**	27	**54**	26	14	**14**	6	6	40
●	**W806.Q0801**	33	**68**	34	18	**19**	8	8	84

W780

NEW

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH SHORT STEEL INDEXING PLUNGER

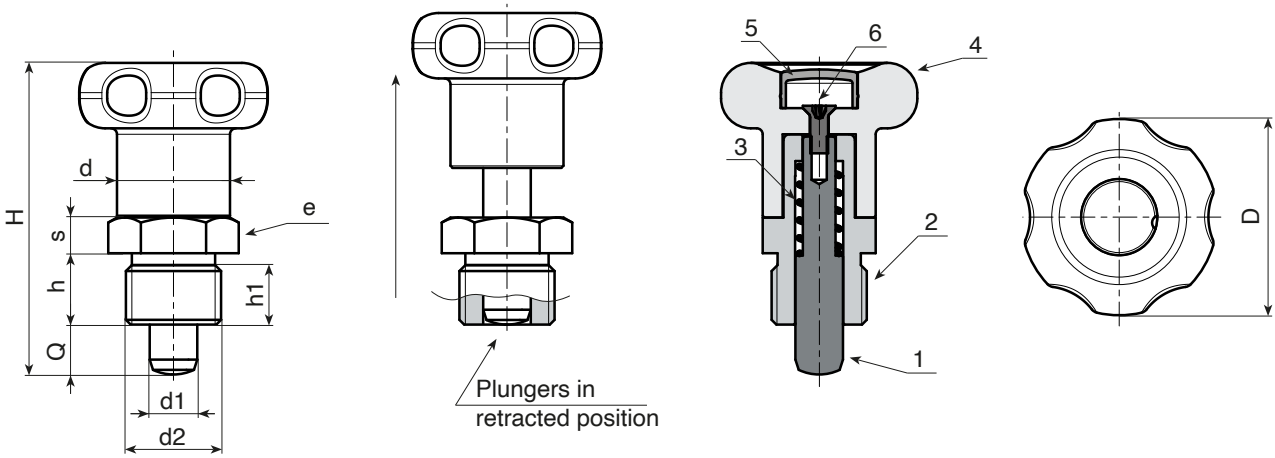
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
(5) Central cap in polyamide. Resistant to oils and greases.
W780:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(6) Galvanised steel knob fixing screw (ISO 7046).
W780CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(6) Galvanised steel knob fixing screw (ISO 7046).

Surface finish:
(4-5) Satin.
(1-2-3) Smooth.

Colour:
(4) Black (RAL 9011).
(5) Grey (RAL 7035).
W780:
(1-2) Black-oxide treated.
W780CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].



Version W780 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W780.Q0601	27	43	10	8	M12x1,5	14	17	5	6	6	31
W780.Q0801	33	52	12	10	M16x1,5	19	19	6	8	8	57

INOX

Version W780 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W780.I0601CIN	27	43	10	8	M12x1,5	14	17	5	6	6	31
W780.I0801CIN	33	52	12	10	M16x1,5	19	19	6	8	8	57

W781

NEW

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH SHORT STEEL INDEXING PLUNGER - WITH NUT

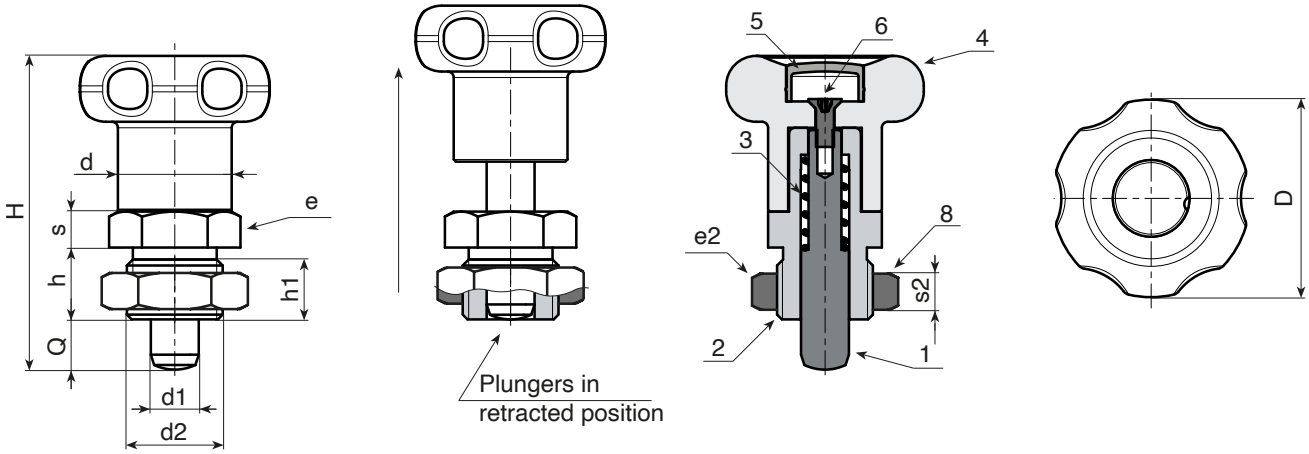
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
(5) Central cap in polyamide. Resistant to oils and greases.
W781:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(6) Galvanised steel knob fixing screw (ISO 7046).
(8) Steel lock nut (UNI 5589).
W781CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(6) Galvanised steel knob fixing screw (ISO 7046).
(8) Stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4-5) Satin.
(1-2-3-8) Smooth.

Colour:
(4) Black (RAL 9011).
(5) Grey (RAL 7035).
W781:
(1-2-8) Black-oxide treated.
W781CIN:
(1-2-8) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- On request the nut can be supplied disassembled.



Version W781 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W781.Q0601	27	**43**	10	8	M12x1,5	14	17	5	19	**7**	6	6	41
W781.Q0801	33	**52**	12	10	M16x1,5	19	19	6	24	**8**	8	8	75

INOX

Version W781 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W781.I0601CIN	27	**43**	10	8	M12x1,5	14	17	5	19	**7**	6	6	41
W781.I0801CIN	33	**52**	12	10	M16x1,5	19	19	6	24	**8**	8	8	75

W270

T-HANDLE WITH STEEL INDEXING PLUNGER

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

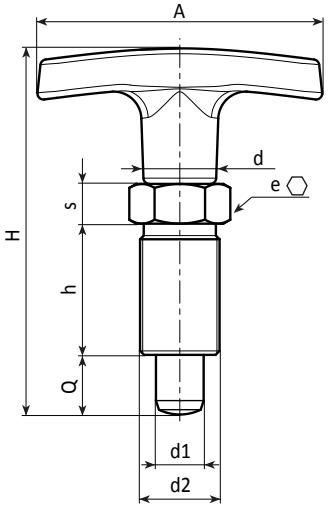
Materials:
(4) Reinforced polyamide T-handle. Cannot be disassembled.
Resistant to oils and greases.
W270:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W270CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

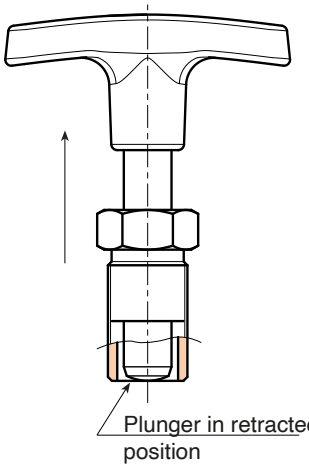
Surface finish:
(4) Satin.
(1-2-3-5) Smooth.

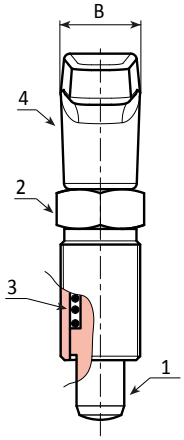
Colour:
(4) Black (RAL 9011).
W270:
(1-2-5) Black-oxide treated.
W270CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the T-handle can be supplied in the colours indicated in the table [page 807].







W.S

Version W270 - black-oxide treated steel

Art.	A	B	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W270.Q0501	50	**15**	51	17	15	M10x1	14	12	**5**	5	5	29
W270.Q0601	50	**15**	56	20	18	M12x1,5	14	14	**6**	6	6	36
W270.Q0801	60	**18**	75	26	24	M16x1,5	17	19	**8**	8	8	73
W270.Q1001	72	**20**	92	33	31	M20x1,5	18	22	**10**	10	10	136

INOX

Version W270CIN - stainless steel (Aisi 303)

Art.	A	B	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W270.I0501CIN	50	**15**	51	17	15	M10x1	14	12	**5**	5	5	29
W270.I0601CIN	50	**15**	56	20	18	M12x1,5	14	14	**6**	6	6	36
W270.I0801CIN	60	**18**	75	26	24	M16x1,5	17	19	**8**	8	8	73
W270.I1001CIN	72	**20**	92	33	31	M20x1,5	18	22	**10**	10	10	136

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W271

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

T-HANDLES WITH STEEL INDEXING PLUNGER AND LOCK NUT

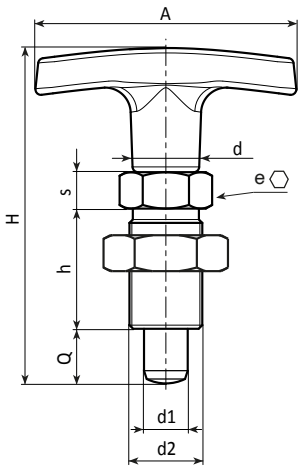
Materials:
(4) Reinforced polyamide T-handle. Cannot be disassembled.Resistant to oils and greases.
W271:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(5) Threaded steel lock nut (UNI 5589).
W271CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

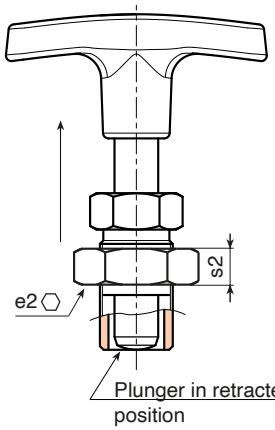
Surface finish:
(4) Satin.
(1-2-3-5) Smooth.

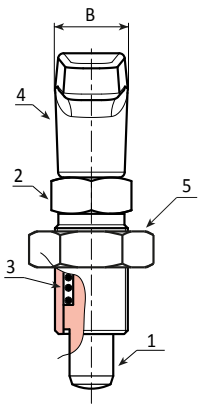
Colour:
(4) Black (RAL 9011).
W271:
(1-2-5) Black-oxide treated.
W271CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the T-handle can be supplied in the colours indicated in the table [page 807].
- On request the nut can be supplied disassembled.







W.S

Version W271 - black-oxide treated steel

	Art.	A	B	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W271.Q0501**	50	**15**	51	17	15	M10x1	14	12	5	17	**5**	5	5	34
●	**W271.Q0601**	50	**15**	56	20	18	M12x1,5	14	14	6	19	**6**	6	6	45
●	**W271.Q0801**	60	**18**	75	26	24	M16x1,5	17	19	8	24	**8**	8	8	90
●	**W271.Q1001**	72	**20**	92	33	31	M20x1,5	18	22	10	30	**9**	10	10	161

INOX

Version W271 CIN - stainless steel (Aisi 303)

	Art.	A	B	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W271.I0501CIN**	50	**15**	51	17	15	M10x1	14	12	5	17	**5**	5	5	34
●	**W271.I0601CIN**	50	**15**	56	20	18	M12x1,5	14	14	6	19	**6**	6	6	45
●	**W271.I0801CIN**	60	**18**	75	26	24	M16x1,5	17	19	8	24	**8**	8	8	90
●	**W271.I1001CIN**	72	**20**	92	33	31	M20x1,5	18	22	10	30	**9**	10	10	161

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W800

KNOB WITH STEEL INDEXING PLUNGER

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

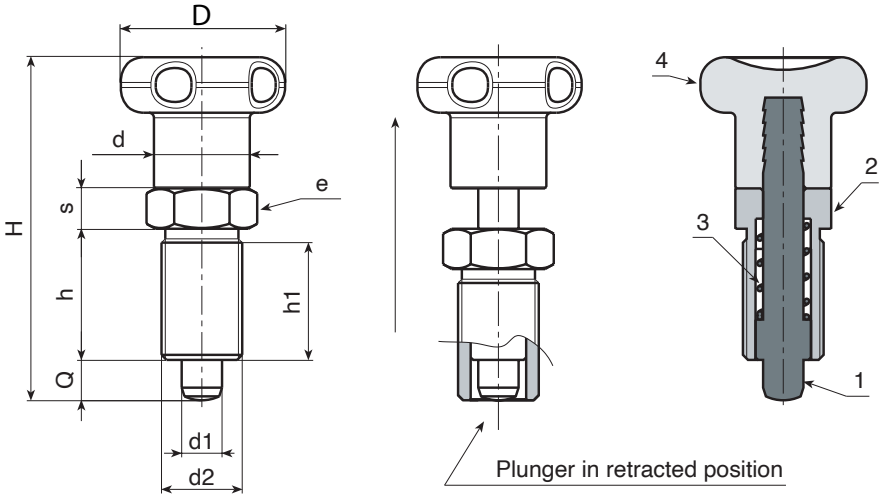
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
W800:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W800CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

Surface finish:
(4) Satin.
(1-2-3) Smooth.

Colour:
(4) Black (RAL 9011).
W800:
(1-2) Black-oxide treated.
W800CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].



Version W800 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W800.Q0501	22	**45**	17	15	M10x1	12	12	**5**	5	5	18
W800.Q0601	27	**54**	20	18	M12x1,5	14	14	**6**	6	6	31
W800.Q0801	33	**68**	26	24	M16x1,5	19	19	**8**	8	8	71
W800.Q1001	33	**79**	33	31	M20x1,5	19	22	**10**	10	10	123

INOX

Version W800 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W800.I0501CIN	22	**45**	17	15	M10x1	12	12	**5**	5	5	18
W800.I0601CIN	27	**54**	20	18	M12x1,5	14	14	**6**	6	6	31
W800.I0801CIN	33	**68**	26	24	M16x1,5	19	19	**8**	8	8	71
W800.I1001CIN	33	**79**	33	31	M20x1,5	19	22	**10**	10	10	123

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W801

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH STEEL INDEXING PLUNGER AND LOCK NUT

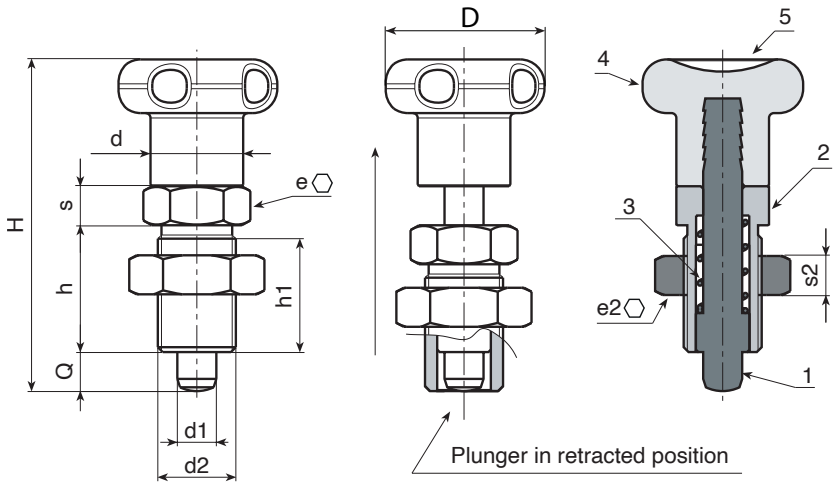
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W801:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(5) Threaded steel lock nut (UNI 5589).
W801CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-3-5) Smooth.

Colour:
(4) Black (RAL 9011).
W801:
(1-2-5) Black-oxide treated.
W801CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- On request the nut can be supplied disassembled.



Version W801 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W801.Q0501	22	**45**	17	15	M10x1	12	12	5	17	**6**	5	5	25
W801.Q0601	27	**54**	20	18	M12x1,5	14	14	6	19	**7**	6	6	41
W801.Q0801	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	8	8	89
W801.Q1001	33	**79**	33	31	M20x1,5	19	22	10	30	**9**	10	10	153

INOX

Version W801 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W801.I0501CIN	22	**45**	17	15	M10x1	12	12	5	17	**6**	5	5	25
W801.I0601CIN	27	**54**	20	18	M12x1,5	14	14	6	19	**7**	6	6	41
W801.I0801CIN	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	8	8	89
W801.I1001CIN	33	**79**	33	31	M20x1,5	19	22	10	30	**9**	10	10	153

W912

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH STEEL INDEXING PLUNGER AND LONG NOSE PIN

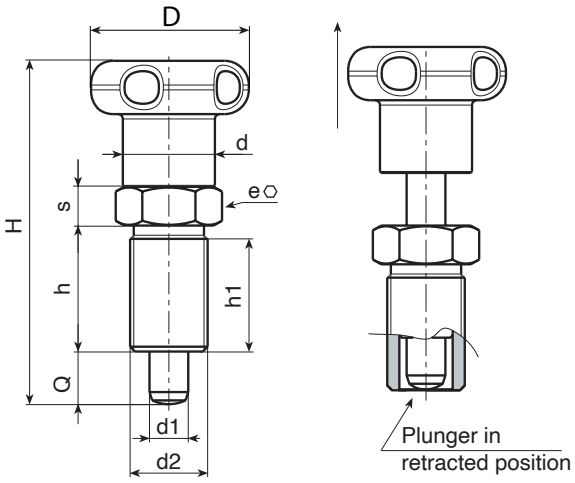
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W912:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W912CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

Surface finish:
(4) Satin.
(1-2-3) Smooth.

Colour:
(4) Black (RAL 9011).
W912:
(1-2) Black-oxide treated.
W912CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].



Version W912 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W912010.Q05X0801	22	**45**	17	15	M10x1	12	12	**5**	5	8	19
W912012.Q06X0901	27	**54**	20	18	M12x1,5	14	14	**6**	6	9	31
W912016.Q08X1201	33	**68**	26	24	M16x1,5	19	19	**8**	8	12	73
W912016.Q10X1201	33	**68**	26	24	M16x1,5	19	19	**8**	10	12	74
W912020.Q12X1501	33	**79**	33	31	M20x1,5	19	22	**10**	12	15	128

INOX

Version W912 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
W912010.I05X0801CIN	22	**45**	17	15	M10x1	12	12	**5**	5	8	19
W912012.I06X0901CIN	27	**54**	20	18	M12x1,5	14	14	**6**	6	9	31
W912016.I08X1201PIN	33	**68**	26	24	M16x1,5	19	19	**8**	8	12	73
W912016.I10X1201CIN	33	**68**	26	24	M16x1,5	19	19	**8**	10	12	74
W912020.I12X1501CIN	33	**79**	33	31	M20x1,5	19	22	**10**	12	15	128

W913

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH STEEL INDEXING PLUNGER, LONG NOSE PIN AND LOCK NUT

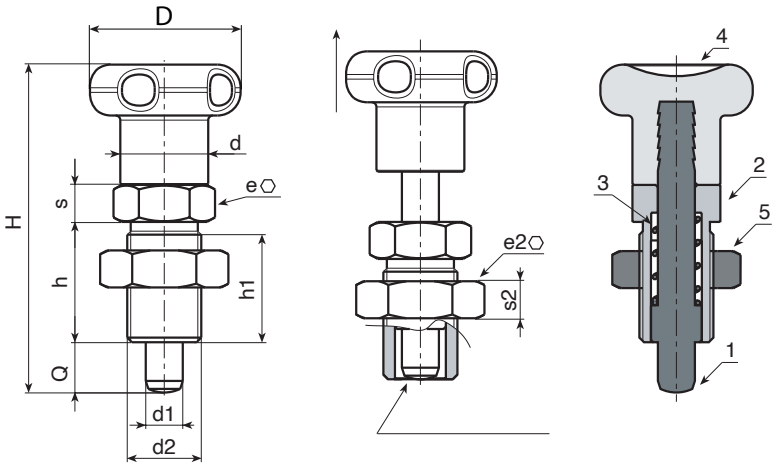
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W913:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(5) Threaded steel lock nut (UNI 5589).
W913CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-5) Smooth.

Colour:
(4) Black (RAL 9011).
W913:
(1-2-5) Black-oxide treated.
W913CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- On request the nut can be supplied disassembled.



Version W913 - black-oxide treated steel

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W913010.Q05X0801	22	**45**	17	15	M10x1	12	12	5	17	**6**	5	8	25
W913012.Q06X0901	27	**54**	20	18	M12x1,5	14	14	6	19	**7**	6	9	41
W913016.Q08X1201	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	8	12	89
W913016.Q10X1201	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	10	12	89
W913020.Q12X1501	33	**79**	33	31	M20x1,5	19	22	10	30	**9**	12	15	153

INOX

Version W913 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W913010.I05X0801CIN	22	**45**	17	15	M10x1	12	12	5	17	**6**	5	8	25
W913012.I06X0901CIN	27	**54**	20	18	M12x1,5	14	14	6	19	**7**	6	9	41
W913016.I08X1201CIN	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	8	12	89
W913016.I10X1201CIN	33	**68**	26	24	M16x1,5	19	19	8	24	**8**	10	12	89
W913020.I12X1501CIN	33	**79**	33	31	M20x1,5	19	22	10	30	**9**	12	15	153

W802

STEEL INDEXING PLUNGER

+200° -20° | C40 | Aisi 303 | RoHS COMPLIANT

Materials:
W802:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W802CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

Surface finish:
Smooth.

Colour:
W802: Black-oxide treated.
W802CIN: Natural.

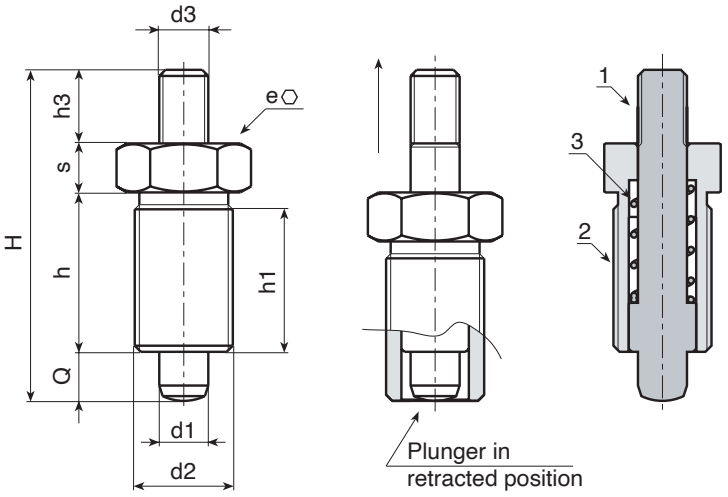
ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- None.

Note:
This plunger version can be coupled with any hanwheel with threaded insert, to be ordered separately (see additional pictures).

W802+F186

W802+H765



Version W802 - black-oxide treated steel

Art.	H	h	h1	d2	d3	h3	e	s	d1 -0,02 -0,04	Q	g
W802.R05	33	**17**	15	M10x1	M04	6	12	**5**	5	5	13
W802010.R05M05	33	**17**	15	M10x1	M05	6	12	**5**	5	5	13
W802.R06	42	**20**	18	M12x1,5	M05	10	14	**6**	6	6	22
W802012.R06M06	42	**20**	18	M12x1,5	M06	10	14	**6**	6	6	22
W802.R08	54	**26**	24	M16x1,5	M08	12	19	**8**	8	8	54
W802.R10	65	**33**	31	M20x1,5	M10	12	22	**10**	10	10	104
W802020.R10M08	65	**33**	31	M20x1,5	M08	12	22	**10**	10	10	104

INOX

Version W802 CIN - stainless steel (Aisi 303)

Art.	H	h	h1	d2	d3	h3	e	s	d1 -0,02 -0,04	Q	g
W802.I05CIN	33	**17**	15	M10x1	M04	6	12	**5**	5	5	13
W802010.I05M05CIN	33	**17**	15	M10x1	M05	6	12	**5**	5	5	13
W802.I06CIN	42	**20**	18	M12x1,5	M05	10	14	**6**	6	6	22
W802012.I06M06CIN	42	**20**	18	M12x1,5	M06	10	14	**6**	6	6	22
W802.I08CIN	54	**26**	24	M16x1,5	M08	12	19	**8**	8	8	54
W802.I10CIN	65	**33**	31	M20x1,5	M10	12	22	**10**	10	10	104
W802020.I10M08CIN	65	**33**	31	M20x1,5	M08	12	22	**10**	10	10	104

W803

STEEL INDEXING PLUNGER WITH LOCK NUT

+200° -20° | C40 | Aisi 303 | RoHS✓ COMPLIANT

Materials:
W803:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(4) Threaded steel lock nut (UNI 5589).
W803CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(4) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
Smooth.

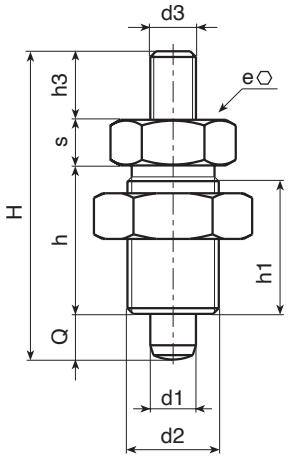
Colour:
W803: Black-oxide treated.
W803CIN: Natural.

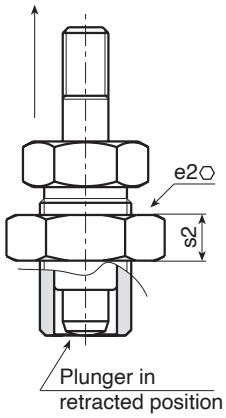
ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

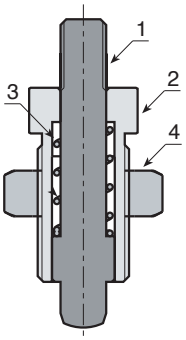
Special Requests:
- On request the nut can be supplied disassembled.

Note:
This plunger version can be coupled with any hanwheel with threaded insert, to be ordered separately (see additional pictures).

W802+G730







Version W803 - black-oxide treated steel

	Art.	H	h	h1	d2	d3	h3	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W803.R05**	33	**17**	15	M10x1	M04	6	12	5	17	**6**	5	5	20
●	**W803010.R05M05**	33	**17**	15	M10x1	M05	6	12	5	17	**6**	5	5	20
●	**W803.R06**	42	**20**	18	M12x1,5	M05	10	14	6	19	**7**	6	6	32
●	**W803012.R06M06**	42	**20**	18	M12x1,5	M06	10	14	6	19	**7**	6	6	32
●	**W803.R08**	54	**26**	24	M16x1,5	M08	12	19	8	24	**8**	8	8	62
●	**W803.R10**	65	**33**	31	M20x1,5	M10	12	22	10	30	**9**	10	10	134
●	**W803020.R10M08**	65	**33**	31	M20x1,5	M08	12	22	10	30	**9**	10	10	134

INOX

Version W803 CIN - stainless steel (Aisi 303)

	Art.	H	h	h1	d2	d3	h3	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W803.I05CIN**	33	**17**	15	M10x1	M04	6	12	5	17	**6**	5	5	20
●	**W803010.I05M05CIN**	33	**17**	15	M10x1	M05	6	12	5	17	**6**	5	5	20
●	**W803.I06CIN**	42	**20**	18	M12x1,5	M05	10	14	6	19	**7**	6	6	32
●	**W803012.I06M06CIN**	42	**20**	18	M12x1,5	M06	10	14	6	19	**7**	6	6	32
●	**W803.I08CIN**	54	**26**	24	M16x1,5	M08	12	19	8	24	**8**	8	8	62
●	**W803.I10CIN**	65	**33**	31	M20x1,5	M10	12	22	10	30	**9**	10	10	134
●	**W803020.I10M08CIN**	65	**33**	31	M20x1,5	M08	12	22	10	30	**9**	10	10	134

W910

+200° -20° | C40 | Aisi 303 | RoHS COMPLIANT

STEEL INDEXING PLUNGER WITH LONG NOSE PIN

Materials:
W910:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W910CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

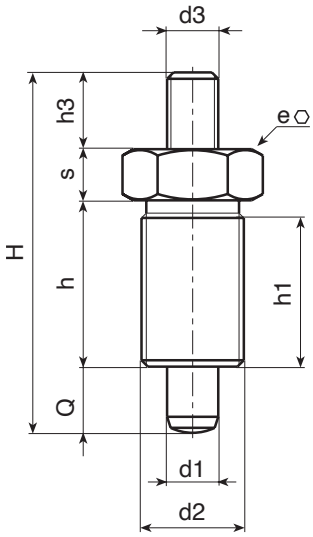
Surface finish:
Smooth.

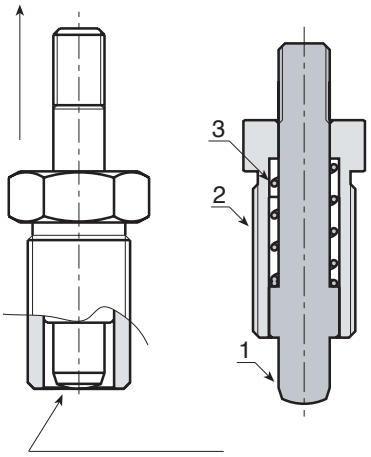
Colour:
W910: Black-oxide treated.
W910CIN: Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- None.

Note:
This plunger version can be coupled with any hanwheel with threaded insert, to be ordered separately (see additional pictures).





Version W910 - black-oxide treated steel

Art.	H	h	h1	d2	d3	h3	e	s	d1 -0,02 -0,04	Q	g
W910010.Q05X08	36	**17**	15	M10x1	M04	6	12	**5**	5	8	13
W910012.Q06X09	45	**20**	18	M12x1,5	M05	10	14	**6**	6	9	22
W910016.Q08X12	58	**26**	24	M16x1,5	M08	12	19	**8**	8	12	54
W910016.Q08X12	58	**26**	24	M16x1,5	M08	12	19	**8**	10	12	55
W910020.Q12X15	70	**33**	31	M20x1,5	M10	12	22	**10**	12	15	104

INOX

Version W910 CIN - stainless steel (Aisi 303)

Art.	H	h	h1	d2	d3	h3	e	s	d1 -0,02 -0,04	Q	g
W910010.I05X08CIN	36	**17**	15	M10x1	M04	6	12	**5**	5	8	13
W910012.I06X09CIN	45	**20**	18	M12x1,5	M05	10	14	**6**	6	9	22
W910016.I08X12CIN	58	**26**	24	M16x1,5	M08	12	19	**8**	8	12	54
W910016.I08X12CIN	58	**26**	24	M16x1,5	M08	12	19	**8**	10	12	55
W910020.I12X15CIN	70	**33**	31	M20x1,5	M10	12	22	**10**	12	15	104

W911

+200° -20° | C40 | Aisi 303 | RoHS COMPLIANT

STEEL INDEXING PLUNGER WITH LONG NOSE PIN AND LOCK NUT

Materials:
W911:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(4) Threaded steel lock nut (UNI 5589).
W911CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(4) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

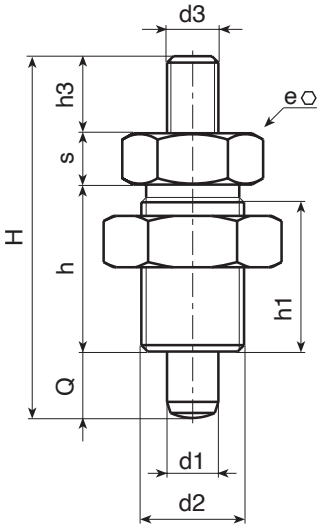
Surface finish:
Smooth.

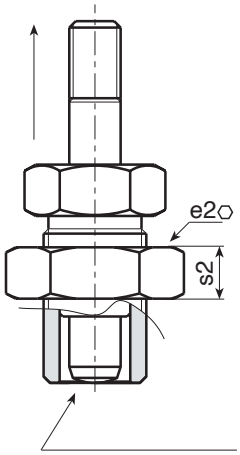
Colour:
W911: Black-oxide treated.
W911CIN: Natural.

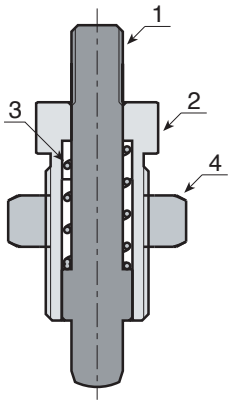
ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request the nut can be supplied disassembled.

Note:
This plunger version can be coupled with any hanwheel with threaded insert, to be ordered separately (see additional pictures).







Version W911 - black-oxide treated steel

	Art.	H	h	h1	d2	d3	h3	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W911010.Q05X08**	36	**17**	15	M10x1	M04	6	12	5	17	**6**	5	8	20
●	**W911012.Q06X09**	45	**20**	18	M12x1,5	M05	10	14	6	19	**7**	6	9	32
●	**W911016.Q08X12**	58	**26**	24	M16x1,5	M08	12	19	8	24	**8**	8	12	62
●	**W911016.Q10X12**	58	**26**	24	M16x1,5	M08	12	19	8	24	**8**	10	12	63
●	**W911020.Q12X15**	70	**33**	31	M20x1,5	M10	12	22	10	30	**9**	12	15	134

INOX

Version W911 CIN - stainless steel (Aisi 303)

	Art.	H	h	h1	d2	d3	h3	e	s	e2	s2	d1 -0,02 -0,04	Q	g
●	**W911010.I05X08CIN**	36	**17**	15	M10x1	M04	6	12	5	17	**6**	5	8	20
●	**W911012.I06X09CIN**	45	**20**	18	M12x1,5	M05	10	14	6	19	**7**	6	9	32
●	**W911016.I08X12CIN**	58	**26**	24	M16x1,5	M08	12	19	8	24	**8**	8	12	62
●	**W911016.I10X12CIN**	58	**26**	24	M16x1,5	M08	12	19	8	24	**8**	10	12	63
●	**W911020.I12X15CIN**	70	**33**	31	M20x1,5	M10	12	22	10	30	**9**	12	15	134

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W804

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH STEEL INDEXING PLUNGER WITHOUT RING NUT

Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
W804:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel body with seat for key.
(1) Hardened high resistance steel plunger pin.
W804CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel body (Aisi 303), with seat for key.
(1) Stainless steel plunger pin (Aisi 303).

Surface finish:
(4) Satin.
(1-2) Smooth.

Colour:
(4) Black (RAL 9011).
W804:
(1-2) Black-oxide treated.
W804CIN:
(1-2) Natural.

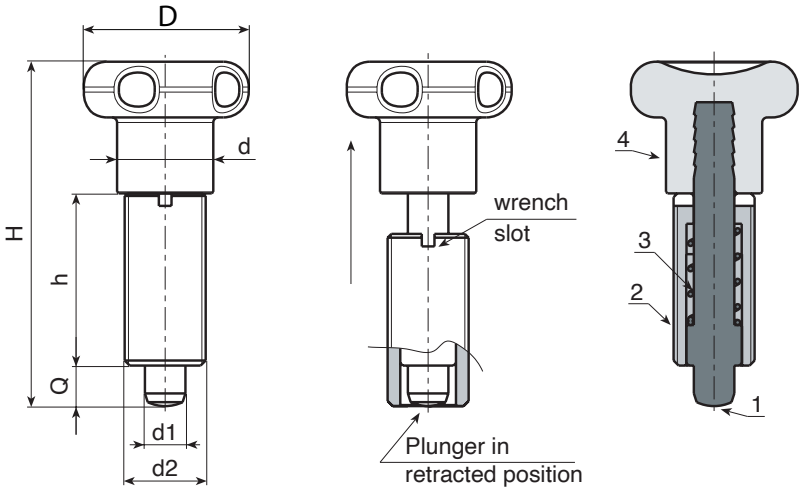
Locking key:
Upon request the locking key with article code W807 is available.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- Upon request locking keys are available.

W807

W805+W807



Version W804 - black-oxide treated steel

Art.	D	H	h	d2	d	d1 -0,02 -0,04	Q	g	Key
W804.Q0501	22	**45**	22	M10x1	12	**5**	5	16	W807.05
W804.Q0601	27	**54**	26	M12x1,5	14	**6**	6	28	W807.06
W804.Q0801	33	**68**	34	M16x1,5	19	**8**	8	64	W807.08
W804.Q1001	33	**79**	43	M20x1,5	19	**10**	10	113	W807.10

INOX

Version W804 CIN - stainless steel (Aisi 303)

Art.	D	H	h	d2	d	d1 -0,02 -0,04	Q	g	Key
W804.I0501CIN	**22**	45	22	M10x1	12	**5**	5	16	W807.05
W804.I0601CIN	**27**	54	26	M12x1,5	14	**6**	6	28	W807.06
W804.I0801CIN	**33**	68	34	M16x1,5	19	**8**	8	64	W807.08
W804.I1001CIN	**33**	79	43	M20x1,5	19	**10**	10	113	W807.10

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W805

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH STEEL INDEXING PLUNGER WITHOUT RING NUT - WITH LOCK NUT

Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W805:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel body with seat for key.
(1) Hardened high resistance steel plunger pin.
(5) Threaded steel lock nut (UNI 5589).
W805CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel body (Aisi 303), with seat for key.
(1) Stainless steel plunger pin (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-5) Smooth.

Colour:
(4) Black (RAL 9011).
W805:
(1-2) Black-oxide treated.
W805CIN:
(1-2) Natural.

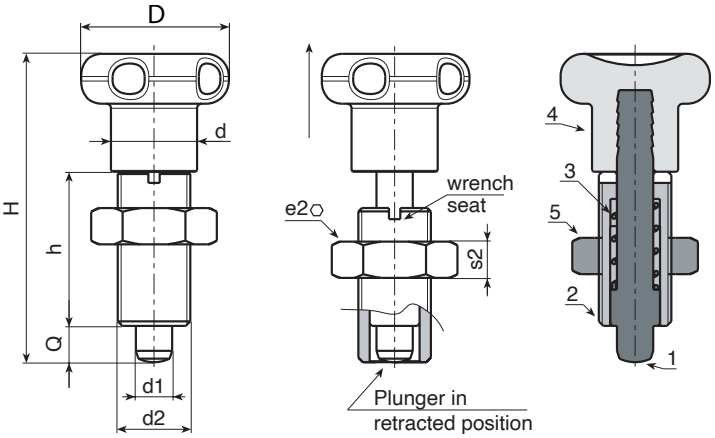
Locking key:
Upon request the locking key with article code W807 is available.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- Upon request locking keys are available.
- On request the nut can be supplied disassembled.

W807

W805+W807



Version W805 - black-oxide treated steel

Art.	D	H	h	d2	d	e2	s2	d1 -0,02 -0,04	Q	g	Key
W805.Q0501	22	**45**	22	M10x1	12	17	6	**5**	5	23	W807.05
W805.Q0601	27	**54**	26	M12x1,5	14	19	7	**6**	6	38	W807.06
W805.Q0801	33	**68**	34	M16x1,5	19	24	8	**8**	8	82	W807.08
W805.Q1001	33	**79**	43	M20x1,5	19	30	9	**10**	10	133	W807.10

INOX

Version W805 CIN - stainless steel (Aisi 303)

Art.	D	H	h	d2	d	e2	s2	d1 -0,02 -0,04	Q	g	Key
W805.I0501CIN	22	**45**	22	M10x1	12	17	6	**5**	5	23	W807.05
W805.I0601CIN	27	**54**	26	M12x1,5	14	19	7	**6**	6	38	W807.06
W805.I0801CIN	33	**68**	34	M16x1,5	19	24	8	**8**	8	82	W807.08
W805.I1001CIN	33	**79**	43	M20x1,5	19	30	9	**10**	10	133	W807.10

W810

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH LOCKING STEEL INDEXING PLUNGER

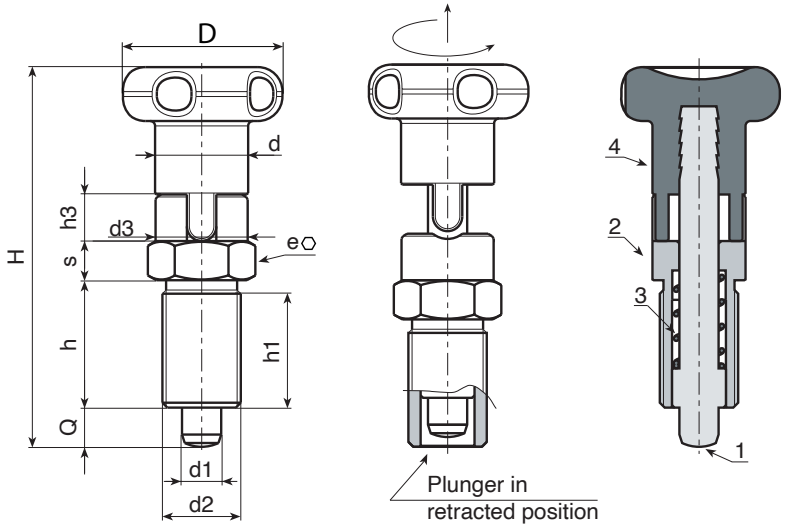
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
W810:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
W810CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).

Surface finish:
(4) Satin.
(1-2) Smooth.

Colour:
(4) Black (RAL 9011).
W810:
(1-2) Black-oxide treated.
W810 CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].



Version W810 - black-oxide treated steel

Art.	D	H	h	h1	h3	d3	d2	d	e	s	d1 -0,02 -0,04	Q	g
W810.Q0501	22	**51.5**	17	15	6.5	11.8	M10x1	12	12	**5**	5	5	22
W810.Q0601	27	**61.5**	20	18	7.5	13.8	M12x1,5	14	14	**6**	6	6	37
W810.Q0801	33	**77.5**	26	24	9.5	18.8	M16x1,5	19	19	**8**	8	8	87
W810.Q1001	33	**90.5**	33	31	11.5	18.8	M20x1,5	19	22	**10**	10	10	142

INOX

Version W810 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	h3	d3	d2	d	e	s	d1 -0,02 -0,04	Q	g
W810.I0501CIN	22	**51.5**	17	15	6.5	11.8	M10x1	12	12	**5**	5	5	22
W810.I0601CIN	27	**61.5**	20	18	7.5	13.8	M12x1,5	14	14	**6**	6	6	37
W810.I0801CIN	33	**77.5**	26	24	9.5	18.8	M16x1,5	19	19	**8**	8	8	87
W810.I1001CIN	33	**90.5**	33	31	11.5	18.8	M20x1,5	19	22	**10**	10	10	142

W811

+80° -20° | PA6 +G.F. | Aisi 303 | C40 | UL94 HB | RoHS COMPLIANT

KNOB WITH LOCKING STEEL INDEXING PLUNGER - WITH LOCK NUT

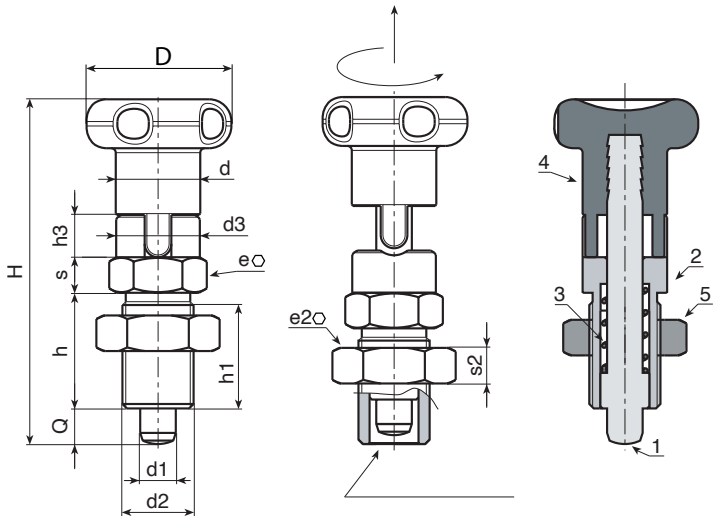
Materials:
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W811:
(3) Galvanised steel spring.
(2) Threaded high-resistance steel hexagon ring nut.
(1) Hardened high resistance steel plunger pin.
(5) Threaded steel lock nut (UNI 5589).
W811 CIN:
(3) Stainless steel spring (Aisi 301).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(1) Stainless steel plunger pin (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-5) Smooth.

Colour:
(4) Black (RAL 9011).
W811:
(1-2-5) Black-oxide treated.
W811 CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request and for special quantities the knob can be supplied in the colours indicated in the table [page 807].
- On request the nut can be supplied disassembled.



Version W811 - black-oxide treated steel

Art.	D	H	h	h1	h3	d3	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W811.Q0501	22	**51.5**	17	15	6.5	11.8	M10x1	12	12	5	17	**6**	5	5	29
W811.Q0601	27	**61.5**	20	18	7.5	13.8	M12x1,5	14	14	6	19	**7**	6	6	47
W811.Q0801	33	**77.5**	26	24	9.5	18.8	M16x1,5	19	19	8	24	**8**	8	8	105
W811.Q1001	33	**90.5**	33	31	11.5	18.8	M20x1,5	19	22	10	30	**9**	10	10	172

INOX

Version W811 CIN - stainless steel (Aisi 303)

Art.	D	H	h	h1	h3	d3	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W811.I0501CIN	22	**51.5**	17	15	6.5	11.8	M10x1	12	12	5	17	**6**	5	5	29
W811.I0601CIN	27	**61.5**	20	18	7.5	13.8	M12x1,5	14	14	6	19	**7**	6	6	47
W811.I0801CIN	33	**77.5**	26	24	9.5	18.8	M16x1,5	19	19	8	24	**8**	8	8	105
W811.I1001CIN	33	**90.5**	33	31	11.5	18.8	M20x1,5	19	22	10	30	**9**	10	10	172

Stock availability as % ( )
90% ( ) - 40% ( ) - 5% ( )

W815

LEVER LOCKING STEEL INDEXING PLUNGER

+200° -20° | Aisi 303 | C40 | RoHS COMPLIANT

Materials:
(3) Lever in die-cast zamak.
W815:
(1) Hardened high resistance steel plunger pin.
(2) Threaded turned high-resistance steel body with seat for locking position.
(5) Galvanised steel spring.
W815CIN:
(1) Stainless steel plunger pin (Aisi 303).
(2) Threaded turned high-resistance stainless steel body (Aisi 303) with seat for locking position.
(5) Stainless steel spring (Aisi 301).

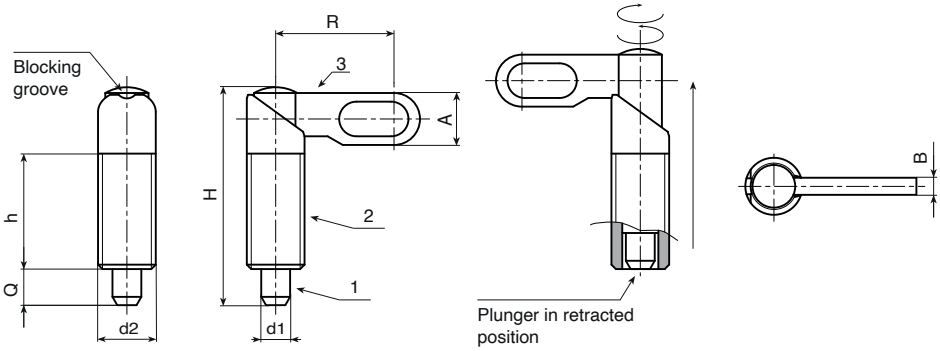
Surface finish:
(3) Satin.
(1-2) Smooth.

Colour:
(3) Epoxy powder coated, black (RAL 9011).
W815: (1-2) Black-oxide treated.
W815CIN: (1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- Upon request and for special quantities the plunger thread can be supplied with standard coarse pitch.

To lock the plunger in retracted position turn the lever by 180° and raise it until it snaps into the special groove.



Version W815 - black-oxide treated steel

Art.	R	H	h	A	B	d2	d1 -0,02 -0,04	Q	g
W81510.V04	25	38	20	9	3	M10x1	4	6	18
W81510.V05	25	38	20	9	3	M10x1	5	6	19
W81510.V06	25	38	20	9	3	M10x1	6	6	21
W81512.V05	30	46	25	11	3.5	M12X1,5	5	8	30
W81512.V06	30	46	25	11	3.5	M12X1,5	6	8	30
W81512.V08	30	46	25	11	3.5	M12X1,5	8	8	33
W81516.V06	40	60	32	14	5	M16x1,5	6	10	73
W81516.V08	40	60	32	14	5	M16x1,5	8	10	75
W81516.V10	40	60	32	14	5	M16x1,5	10	10	77
W81520.V08	50	70	35	18	6	M20x1,5	8	12	137
W81520.V10	50	70	35	18	6	M20x1,5	10	12	173
W81520.V12	50	70	35	18	6	M20x1,5	12	12	143

INOX

Version W815 CIN - stainless steel (Aisi 303)

Art.	R	H	h	A	B	d2	d1 -0,02 -0,04	Q	g
W81510.I04CIN	25	38	20	9	3	M10x1	4	6	18
W81510.I05CIN	25	38	20	9	3	M10x1	5	6	19
W81510.I06CIN	25	38	20	9	3	M10x1	6	6	21
W81512.I05CIN	30	46	25	11	3.5	M12X1,5	5	8	30
W81512.I06CIN	30	46	25	11	3.5	M12X1,5	6	8	30
W81512.I08CIN	30	46	25	11	3.5	M12X1,5	8	8	33
W81516.I06CIN	40	60	32	14	5	M16x1,5	6	10	73
W81516.I08CIN	40	60	32	14	5	M16x1,5	8	10	75
W81516.I10CIN	40	60	32	14	5	M16x1,5	10	10	77
W81520.I08CIN	50	70	35	18	6	M20x1,5	8	12	137
W81520.I10CIN	50	70	35	18	6	M20x1,5	10	12	142
W81520.I12CIN	50	70	35	18	6	M20x1,5	12	12	143

W816

LEVER LOCKING STEEL INDEXING PLUNGER - WITH NUT

+200° -20° | Aisi 303 | C40 | RoHS COMPLIANT

Materials:
(3) Lever in die-cast zamak.
W816:
(1) Hardened high resistance steel plunger pin.
(2) Threaded turned high-resistance steel body with seat for locking position.
(4) Threaded steel lock nut (UNI 5589).
(5) Galvanised steel spring.
W816CIN:
(1) Stainless steel plunger pin (Aisi 303).
(2) Threaded turned high-resistance stainless steel body (Aisi 303) with seat for locking position.
(4) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).
(5) Stainless steel spring (Aisi 301).

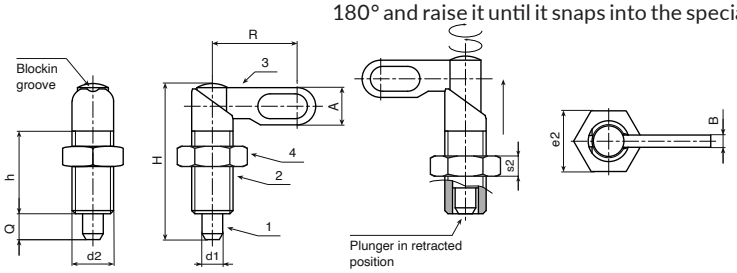
Surface finish:
(3) Satin.
(1-2-4) Smooth.

Colour:
(3) Epoxy powder coated, black (RAL 9011).
W816: (1-2-4) Black-oxide treated.
W816CIN: (1-2-4) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- Upon request and for special quantities the plunger thread can be supplied with standard coarse pitch.
- On request the nut can be supplied disassembled.

To lock the plunger in retracted position turn the lever by 180° and raise it until it snaps into the special groove.



Version W816 - black-oxide treated steel

Art.	R	H	h	A	B	d2	e2	s2	d1 -0,02 -0,04	Q	g
W81610.V04	25	**38**	20	9	3	M10x1	17	**6**	4	6	25
W81610.V05	25	**38**	20	9	3	M10x1	17	**6**	5	6	26
W81610.V06	25	**38**	20	9	3	M10x1	17	**6**	6	6	28
W81612.V05	30	**46**	25	11	3.5	M12X1,5	19	**7**	5	8	40
W81612.V06	30	**46**	25	11	3.5	M12X1,5	19	**7**	6	8	40
W81612.V08	30	**46**	25	11	3.5	M12X1,5	19	**7**	8	8	43
W81616.V06	40	**60**	32	14	5	M16x1,5	24	**8**	6	10	91
W81616.V08	40	**60**	32	14	5	M16x1,5	24	**8**	8	10	93
W81616.V10	40	**60**	32	14	5	M16x1,5	24	**8**	10	10	95
W81620.V08	50	**70**	35	18	6	M20x1,5	30	**9**	8	12	168
W81620.V10	50	**70**	35	18	6	M20x1,5	30	**9**	10	12	173
W81620.V12	50	**70**	35	18	6	M20x1,5	30	**9**	12	12	174

INOX

Version W816 CIN - stainless steel (Aisi 303)

Art.	R	H	h	A	B	d2	e2	s2	d1 -0,02 -0,04	Q	g
W81610.I04CIN	25	**38**	20	9	3	M10x1	17	**6**	4	6	25
W81610.I05CIN	25	**38**	20	9	3	M10x1	17	**6**	5	6	26
W81610.I06CIN	25	**38**	20	9	3	M10x1	17	**6**	6	6	28
W81612.I05CIN	30	**46**	25	11	3.5	M12X1,5	19	**7**	5	8	40
W81612.I06CIN	30	**46**	25	11	3.5	M12X1,5	19	**7**	6	8	40
W81612.I08CIN	30	**46**	25	11	3.5	M12X1,5	19	**7**	8	8	43
W81616.I06CIN	40	**60**	32	14	5	M16x1,5	24	**8**	6	10	91
W81616.I08CIN	40	**60**	32	14	5	M16x1,5	24	**8**	8	10	93
W81616.I10CIN	40	**60**	32	14	5	M16x1,5	24	**8**	10	10	95
W81620.I08CIN	50	**70**	35	18	6	M20x1,5	30	**9**	8	12	168
W81620.I10CIN	50	**70**	35	18	6	M20x1,5	30	**9**	10	12	173
W81620.I12CIN	50	**70**	35	18	6	M20x1,5	30	**9**	12	12	174

W720CIN - W721CIN

KNOB WITH FULL STAINLESS STEEL INDEXING PLUNGER WITH OR WITHOUT NUT

+200° -20° | Aisi 303 | RoHS COMPLIANT | INOX

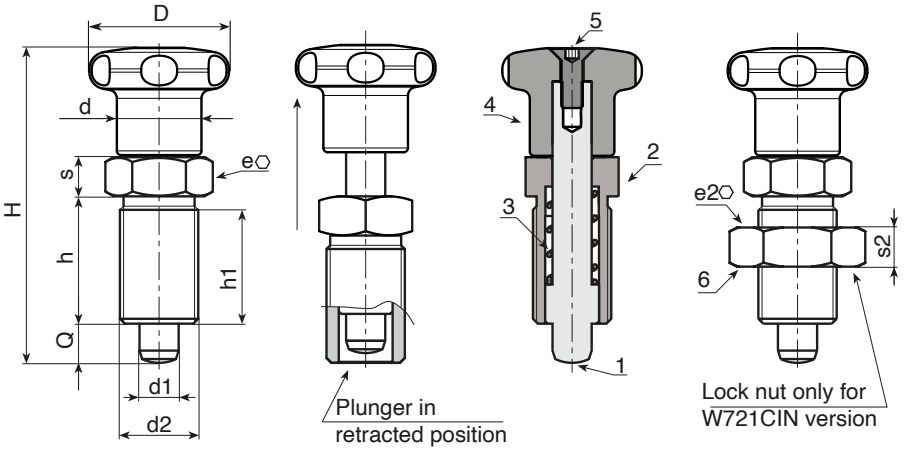
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(3) Stainless steel spring (Aisi 301).
(4) Turned stainless steel lobed knob (Aisi 303).
(6) Stainless steel fixing screw (Aisi 304).

Surface finish:
Natural.

Colour:
Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- Upon request and for special quantities the plunger can be supplied completely disassembled.



W.S

Version W720CIN - without nut

	Art.	D	H	h	h1	d2	d	e	s	d1 -0,02 -0,04	Q	g
-	**W720.I0501CIN**	22	**45**	17	15	M10x1	12	12	**5**	5	5	-
-	**W720.I0601CIN**	27	**54**	20	18	M12x1,5	14	14	**6**	6	6	-
-	**W720.I0801CIN**	32	**67**	26	24	M16x1,5	19	19	**8**	8	8	-
●	**W720.I1001CIN**	33	**79**	33	31	M20x1,5	20	22	**10**	10	10	190

Version W721CIN - with nut

	Art.	D	H	h	h1	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
-	**W721.I0501CIN**	22	**45**	17	15	M10x1	12	12	5	17	**6**	5	5	-
-	**W721.I0601CIN**	27	**54**	20	18	M12x1,5	14	14	6	19	**7**	6	6	-
-	**W721.I0801CIN**	32	**67**	26	24	M16x1,5	19	19	8	24	**8**	8	8	-
●	**W721.I1001CIN**	33	**79**	33	31	M20x1,5	20	22	10	30	**9**	10	10	220

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W722CIN - W723CIN

KNOB WITH LOCKING FULL STAINLESS STEEL INDEXING PLUNGER - WITH OR WITHOUT NUT

+200° -20° | Aisi 303 | RoHS✓ COMPLIANT

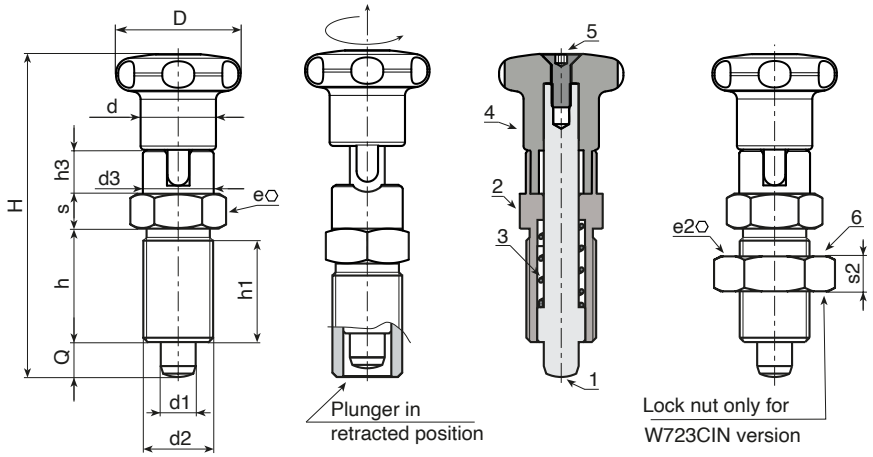
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(2) Threaded stainless steel hexagon ring nut (Aisi 303).
(3) Stainless steel spring (Aisi 301).
(4) Turned stainless steel lobed knob (Aisi 303).
(5) Stainless steel fixing screw (Aisi 304).
(6) Threaded stainless steel lock nut (Aisi 304) (UNI 5589) (only for version W723CIN).

Surface finish:
Natural.

Colour:
Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> Nut supplied assembled (only for version W723CIN).

Special Requests:
- Upon request and for special quantities the plunger can be supplied completely disassembled.
- On request the nut can be supplied disassembled.



Version W722 CIN - without nut

Art.	D	H	h	h1	h3	d2	d	d3	e	s	d1 -0,02 -0,04	Q	g
W722.I0501CIN	22	**52**	17	15	6.5	M10x1	12	12	12	**5**	5	5	-
W722.I0601CIN	27	**61**	20	18	7.5	M12x1,5	14	14	14	**6**	6	6	-
W722.I0801CIN	32	**77**	26	24	9.5	M16x1,5	19	19	19	**8**	8	8	-
W722.I1001CIN	33	**90**	33	31	11.5	M20x1,5	19	19	22	**10**	10	10	210

Version W723 CIN - with nut

Art.	D	H	h	h1	h3	d3	d2	d	e	s	e2	s2	d1 -0,02 -0,04	Q	g
W723.I0501CIN	22	**52**	17	15	6.5	12	M10x1	12	12	5	17	**6**	5	5	-
W723.I0601CIN	27	**61**	20	18	7.5	14	M12x1,5	14	14	6	19	**7**	6	6	-
W723.I0801CIN	32	**77**	26	24	9.5	19	M16x1,5	19	19	8	24	**8**	8	8	-
W723.I1001CIN	33	**90**	33	31	11.5	19	M20x1,5	20	22	10	30	**9**	10	10	240

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W735CIN - W736CIN

KNOB WITH FULL STAINLESS STEEL INDEXING PLUNGER - WITH OR WITHOUT NUT

+200° -20° | Aisi 303 | RoHS COMPLIANT | INOX

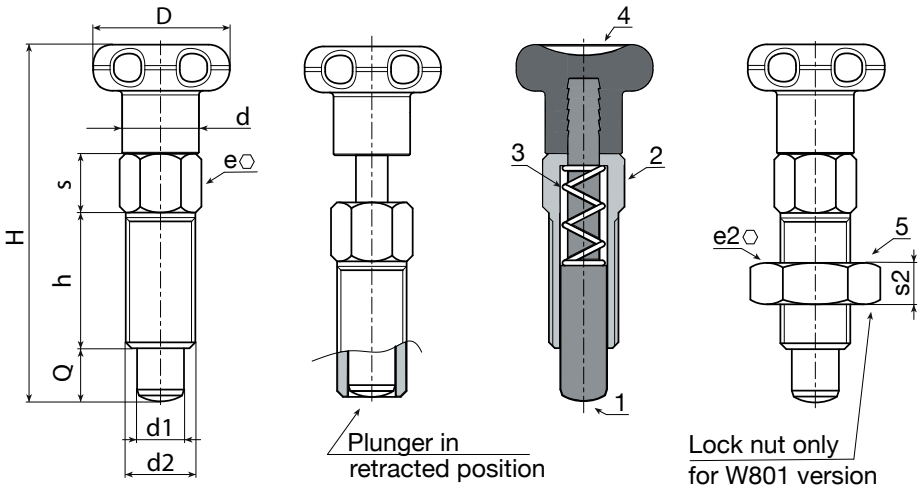
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(2) Stainless steel (Aisi 303) indexing plunger body.
(3) Stainless steel spring (Aisi 301).
(4) Turned stainless steel lobed knob (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589) (only for version W736CIN).

Surface finish:
Natural.

Colour:
Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> Nut supplied assembled (only for version W736CIN).

Special Requests:
- On request the plunger can be supplied completely disassembled.
- On request the nut can be supplied disassembled.



W.S

Version W735CIN - without nut

Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
W735.I05CIN	18	**9**	42	16	8	6	**M08**	5	5	21
W735.I06CIN	22	**11**	52	20	10	7.5	**M10**	6	6	23
W735.I08CIN	24	**13**	62	24	12	9	**M12**	8	8	69

Version W736CIN - with nut

Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
W736.I05CIN	18	**9**	42	16	8	6	M08	13	**5**	5	5	30
W736.I06CIN	22	**11**	52	20	10	7.5	M10	17	**6**	6	6	55
W736.I08CIN	24	**13**	62	24	12	9	M12	19	**7**	8	8	71

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W737CIN - W738CIN

KNOB WITH LOCKING FULL STAINLESS STEEL INDEXING PLUNGER - WITH OR WITHOUT NUT

+200° -20° | Aisi 303 | RoHS✓ COMPLIANT | INOX

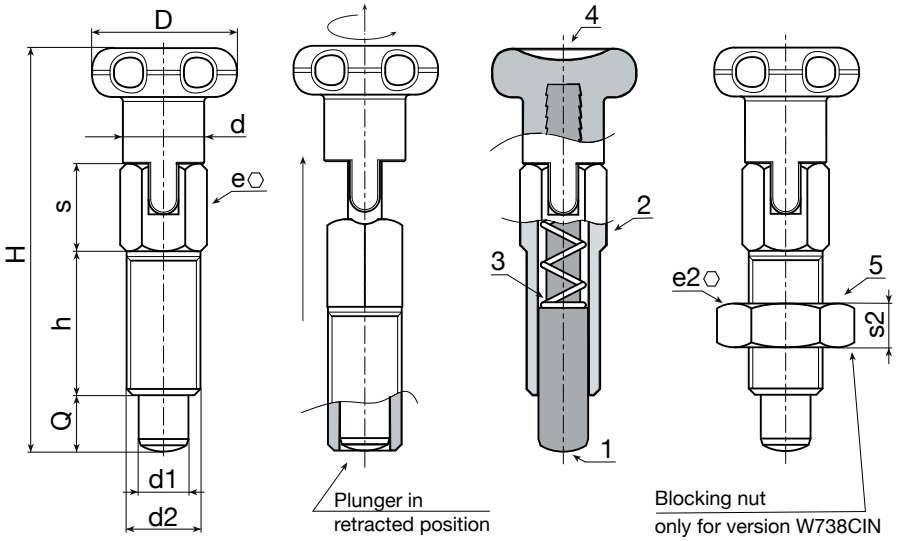
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(2) Stainless steel (Aisi 303) locking indexing plunger body.
(3) Stainless steel spring (Aisi 301).
(4) Turned stainless steel lobed knob (Aisi 303).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589) (only for version W738CIN).

Surface finish:
Natural.

Colour:
Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> Nut supplied assembled (only for version W738CIN).

Special Requests:
- On request the plunger can be supplied completely disassembled.
- On request the nut can be supplied disassembled.



Version W737 - without nut

	Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
●	**W737.I05CIN**	18	**9**	46	16	8	10	**M08**	5	5	26
●	**W737.I06CIN**	22	**11**	55	20	10	11	**M10**	6	6	53
●	**W737.I08CIN**	24	**13**	66	24	12	14	**M12**	8	8	74

Version W738 CIN - with nut

	Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
●	**W737.I05CIN**	18	**9**	46	16	8	10	M08	13	**5**	5	5	26
●	**W738.I06CIN**	22	**11**	55	20	10	11	M10	17	**6**	6	6	71
●	**W738.I08CIN**	24	**13**	66	24	12	14	M12	19	**7**	8	8	110

W793

KNOB WITH LOCKING STEEL INDEXING PLUNGER

+80° -20° | PA6 +G.F. | UL94 HB | RoHS COMPLIANT

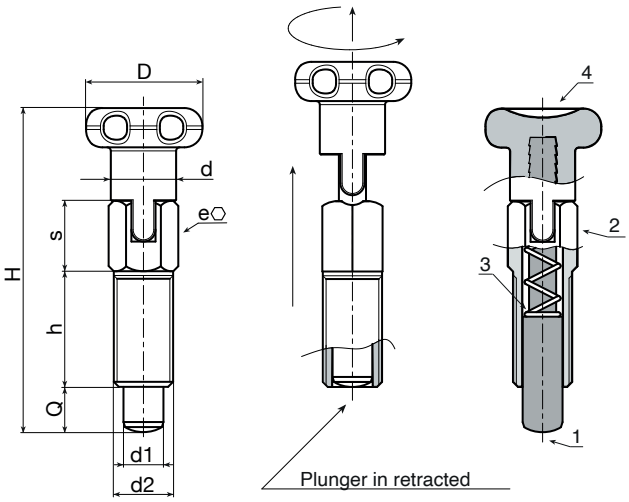
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Reinforced polyamide lobed knob. Cannot be disassembled. Resistant to oils and greases.
W793:
(2) Locking indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
W793 CIN:
(2) Stainless steel (Aisi 303) locking indexing plunger body.
(3) Stainless steel spring (Aisi 301).

Surface finish:
(4) Satin.
(1-2-3) Smooth.

Colour:
(4) Black (RAL 9011).
W793:
(2) Galvanised.
W793 CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- None.



Version W793 - galvanised steel

Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
W793.J0401	14	7	36	12	6	8	M06	4	4	5
W793.J0501	18	9	46	16	8	10	M08	5	5	11
W793.J0601	22	11	55	20	10	11	M10	6	6	24
W793.J0801	24	13	66	24	12	14	M12	8	8	39

Version W793 CIN - stainless steel (Aisi 303)

INOX

Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
W793.J0401CIN	14	7	36	12	6	8	M06	4	4	5
W793.J0501CIN	18	9	46	16	8	10	M08	5	5	11
W793.J0601CIN	22	11	55	20	10	11	M10	6	6	24
W793.J0801CIN	24	13	66	24	12	14	M12	8	8	39

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W794

+80° -20° | PA6 +G.F. | UL94 HB | RoHS COMPLIANT

KNOB WITH LOCKING STEEL INDEXING PLUNGER - WITH NUT

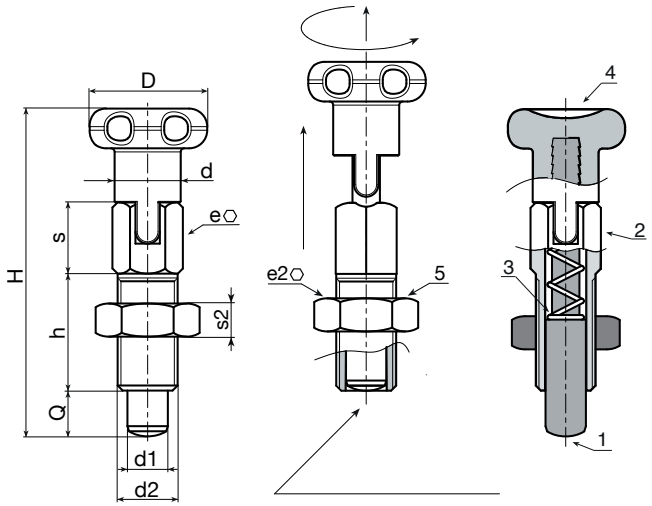
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W794:
(2) Locking indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
(5) Threaded steel lock nut (UNI 5589).
W794 CIN:
(2) Stainless steel (Aisi 303) locking indexing plunger body.
(3) Stainless steel spring (Aisi 301).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-5) Smooth.

Colour:
(4) Black (RAL 9011).
W794:
(2-5) Galvanised.
W794 CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request the nut can be supplied disassembled.



Version W794 - galvanised steel

Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
W794.J0401	14	**7**	36	12	6	8	M06	10	**4**	4	4	7
W794.J0501	18	**9**	46	16	8	10	M08	13	**5**	5	5	16
W794.J0601	22	**11**	55	20	10	11	M10	17	**6**	6	6	32
W794.J0801	24	**13**	66	24	12	14	M12	19	**7**	8	8	51

INOX

Version W794 CIN - stainless steel (Aisi 303)

Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
W794.J0401CIN	14	**7**	36	12	6	8	M06	10	**4**	4	4	7
W794.J0501CIN	18	**9**	46	16	8	10	M08	13	**5**	5	5	16
W794.J0601CIN	22	**11**	55	20	10	11	M10	17	**6**	6	6	32
W794.J0801CIN	24	**13**	66	24	12	14	M12	19	**7**	8	8	51

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W795

KNOB WITH STEEL INDEXING PLUNGER

+80° -20° | PA6 +G.F. | UL94 HB | RoHS COMPLIANT

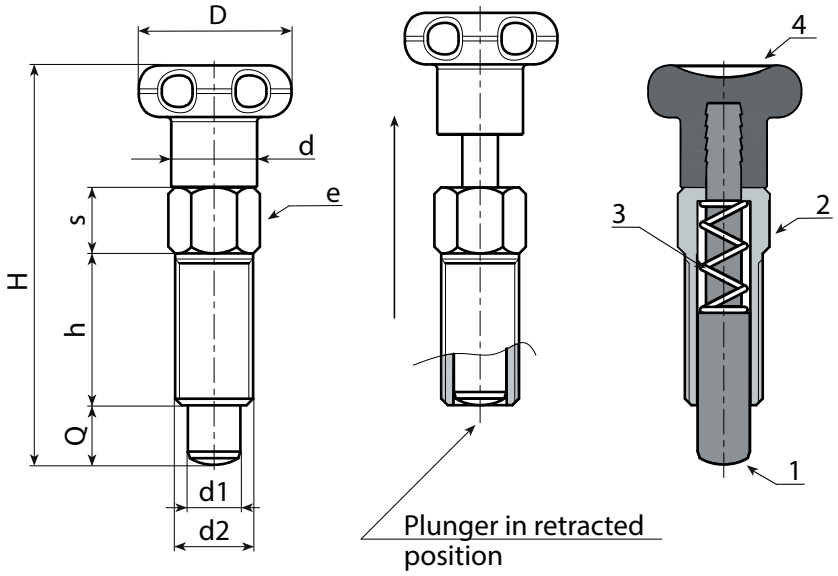
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W795:
(2) Indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
W795 CIN:
(2) Stainless steel (Aisi 303) indexing plunger body.
(3) Stainless steel spring (Aisi 301).

Surface finish:
(4) Satin.
(1-2-3) Smooth.

Colour:
(4) Black (RAL 9011).
W795:
(2) Galvanised.
W795 CIN:
(1-2) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- None.



Version W795 - galvanised steel

Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
W795.J0401	14	7	33	12	6	5	M06	4	4	5
W795.J0501	18	9	42	16	8	6	M08	5	5	11
W795.J0601	22	11	52	20	10	7.5	M10	6	6	23
W795.J0801	24	13	62	24	12	9	M12	8	8	38

INOX

Version W795 CIN - stainless steel (Aisi 303)

Art.	D	d	H	h	e	s	d2	d1 -0,02 -0,04	Q	g
W795.J0401CIN	14	7	33	12	6	5	M06	4	4	5
W795.J0501CIN	18	9	42	16	8	6	M08	5	5	11
W795.J0601CIN	22	11	52	20	10	7.5	M10	6	6	23
W795.J0801CIN	24	13	62	24	12	9	M12	8	8	38

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W796

KNOB WITH STEEL INDEXING PLUNGER - WITH NUT

+80° -20° | PA6 +G.F. | UL94 HB | RoHS COMPLIANT

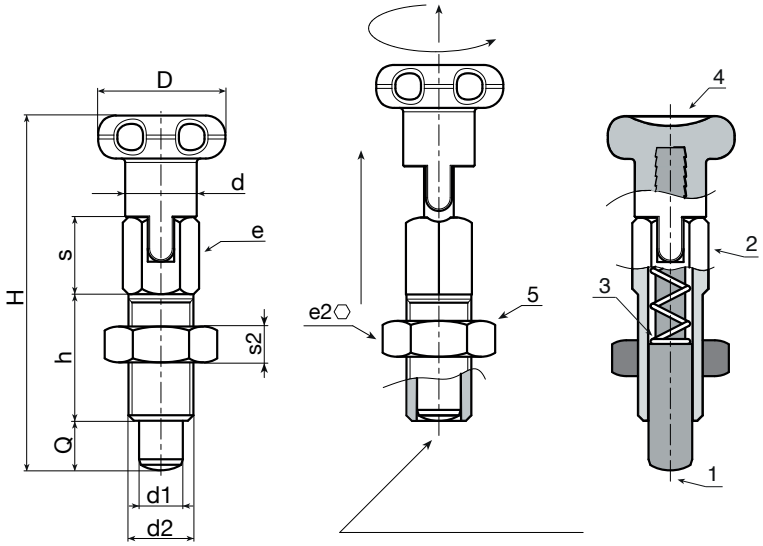
Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Reinforced polyamide lobed knob. Cannot be disassembled.Resistant to oils and greases.
W796:
(2) Indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
(5) Threaded steel lock nut (UNI 5589).
W796 CIN:
(2) Stainless steel (Aisi 303) indexing plunger body.
(3) Stainless steel spring (Aisi 301).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
(4) Satin.
(1-2-5) Smooth.

Colour:
(4) Black (RAL 9011).
W796:
(2-5) Galvanised.
W796 CIN:
(1-2-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request the nut can be supplied disassembled.



Version W796 - galvanised steel

Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
W796.J0401	14	**7**	33	12	6	5	M06	10	**4**	4	4	5
W796.J0501	18	**9**	42	16	8	6	M08	13	**5**	5	5	11
W796.J0601	22	**11**	52	20	10	7.5	M10	17	**6**	6	6	23
W796.J0801	24	**13**	62	24	12	9	M12	19	**7**	8	8	38

INOX

Version W796 CIN - stainless steel (Aisi 303)

Art.	D	d	H	h	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
W796.J0401CIN	14	**7**	33	12	6	5	M06	10	**4**	4	4	5
W796.J0501CIN	18	**9**	42	16	8	6	M08	13	**5**	5	5	11
W796.J0601CIN	22	**11**	52	20	10	7.5	M10	17	**6**	6	6	23
W796.J0801CIN	24	**13**	62	24	12	9	M12	19	**7**	8	8	38

W797

STEEL INDEXING PLUNGER WITH RING

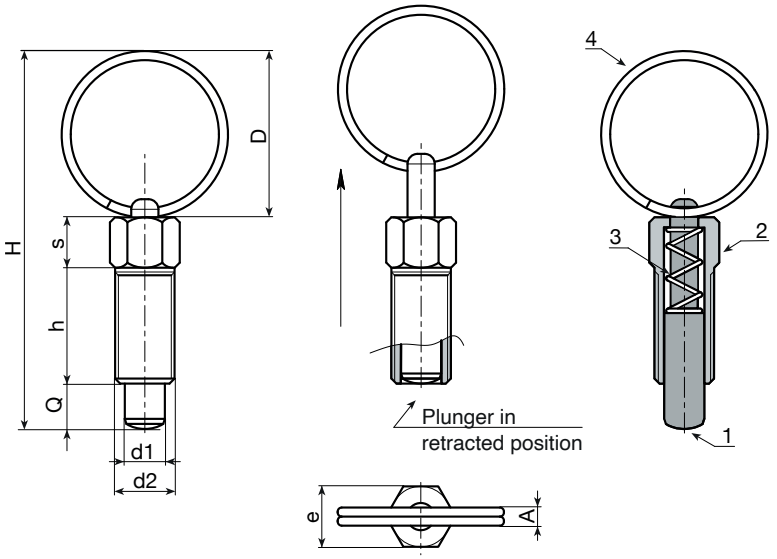
+200° -20° | AVP | Aisi 303 | RoHS COMPLIANT

Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Harmonic stainless steel spring ring.
W797:
(2) Indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
W797CIN:
(2) Stainless steel (Aisi 303) indexing plunger body.
(3) Stainless steel spring (Aisi 301).

Surface finish:
W797:
(2) Galvanised.
(4) Natural.
W797CIN:
(1-2-4) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.

Special Requests:
- None.



Version W797 - galvanised steel

	Art.	D	H	h	A	e	s	d2	d1 -0,02 -0,04	Q	g
●	W797.J04	15	35.5	12	2	6	4.5	M06	4	4	5
●	W797.J05	19	46	16	2.5	8	6	M08	5	5	11
●	W797.J06	27	60.5	20	3	10	7.5	M10	6	6	23
●	W797.J08	33	74	24	3.5	12	9	M12	8	8	38

INOX

Version W797 CIN - stainless steel (Aisi 303)

	Art.	D	H	h	A	e	s	d2	d1 -0,02 -0,04	Q	g
●	W797.J04CIN	15	35.5	12	2	6	4.5	M06	4	4	5
●	W797.J05CIN	19	46	16	2.5	8	6	M08	5	5	11
●	W797.J06CIN	27	60.5	20	3	10	7.5	M10	6	6	23
●	W797.J08CIN	33	74	24	3.5	12	9	M12	8	8	38

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W798

STEEL INDEXING PLUNGER WITH RING - WITH NUT

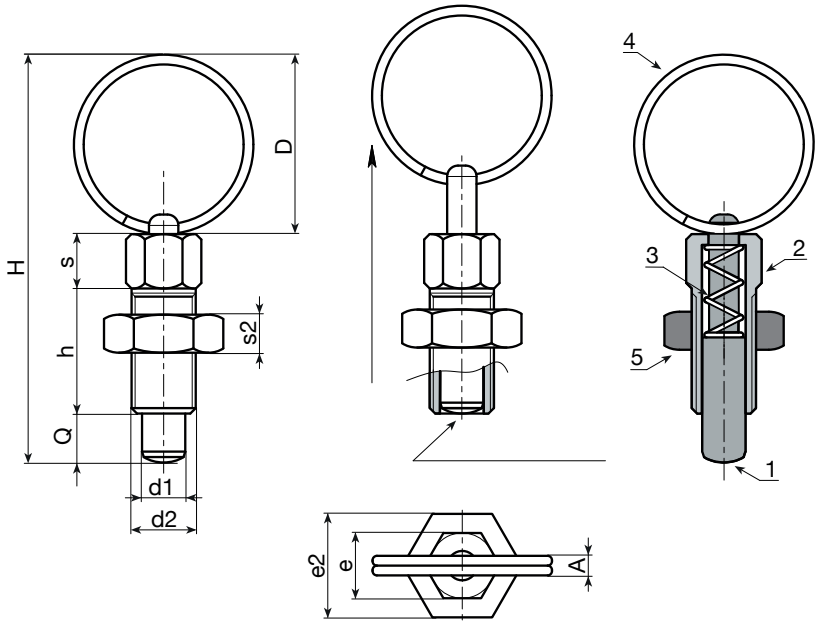
+200° -20° | AVP | Aisi 303 | RoHS COMPLIANT

Materials:
(1) Stainless steel plunger pin (Aisi 303).
(4) Harmonic stainless steel spring ring.
W798:
(2) Indexing plunger body in free-cutting steel.
(3) Galvanised steel spring.
(5) Threaded steel lock nut (UNI 5589).
W798 CIN:
(2) Stainless steel (Aisi 303) indexing plunger body.
(3) Stainless steel spring (Aisi 301).
(5) Threaded stainless steel lock nut (Aisi 304) (UNI 5589).

Surface finish:
W798:
(2-5) Galvanised.
(1-4) Natural.
W798 CIN:
(1-2-4-5) Natural.

ATTENTION:
> We recommend an H7 tolerance for the plunger stem bore.
> The nut is supplied assembled.

Special Requests:
- On request the nut can be supplied disassembled.



Version W798 - galvanised steel

	Art.	D	H	h	A	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
●	**W798.J04**	15	**35.5**	12	2	6	4.5	M06	10	**4**	4	4	7
●	**W798.J05**	19	**46**	16	2.5	8	6	M08	13	**5**	5	5	16
●	**W798.J06**	27	**60.5**	20	3	10	7.5	M10	17	**6**	6	6	31
●	**W798.J08**	33	**74**	24	3.5	12	9	M12	19	**7**	8	8	50

INOX

Version W798 CIN - stainless steel (Aisi 303)

	Art.	D	H	h	A	e	s	d2	e2	s2	d1 -0,02 -0,04	Q	g
●	**W798.J04CIN**	15	**35.5**	12	2	6	4.5	M06	10	**4**	4	4	7
●	**W798.J05CIN**	19	**46**	16	2.5	8	6	M08	13	**5**	5	5	16
●	**W798.J06CIN**	27	**60.5**	20	3	10	7.5	M10	17	**6**	6	6	31
●	**W798.J08CIN**	33	**74**	24	3.5	12	9	M12	19	**7**	8	8	50

W695CIN

QUICK RELEASE KNOB DETENT PIN IN FULL STAINLESS STEEL

+200° -20° | Aisi 303 | RoHS COMPLIANT | INOX

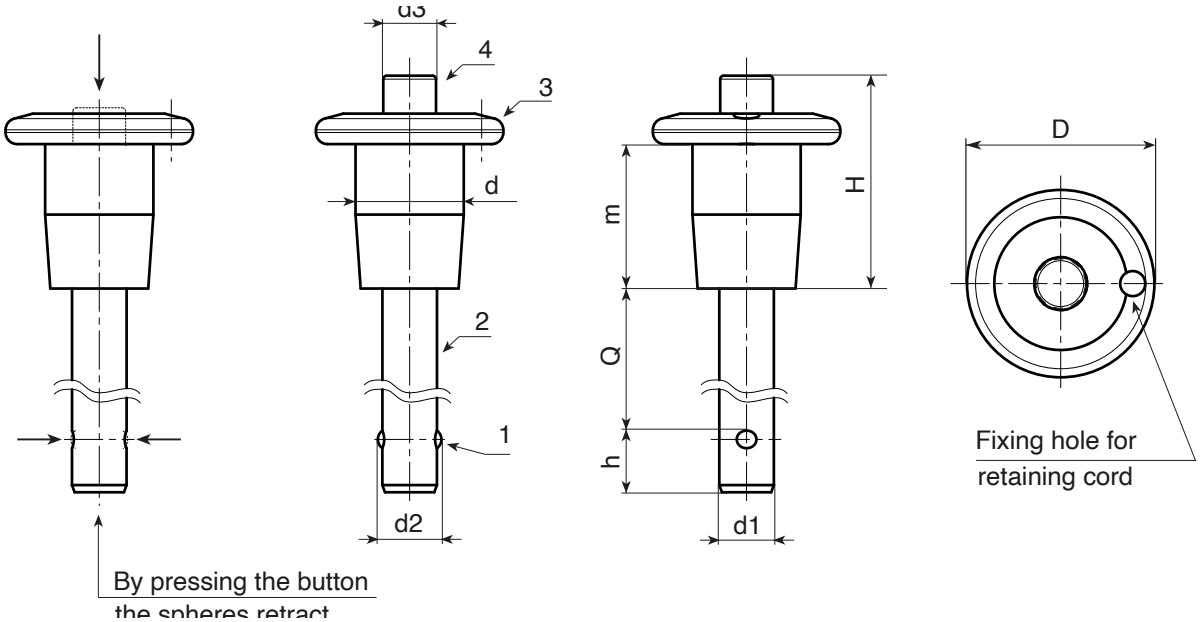
Materials:
(1) Hardened stainless steel balls (Aisi 440C).
(2) Stainless steel pin (Aisi 630), with high mechanical and chemical resistance, hardened (HRC 40).
(4) Turned stainless steel knob (Aisi 303).
(6) Turned stainless steel button (Aisi 303).
(5) Stainless steel spring (Aisi 301).

Surface finish:
Natural with protective passivation.

Colour:
Natural.

ATTENTION:
> We recommend an H11 tolerance for the plunger stem bore.

Special Requests:
• None.



Art.	D	H	m	d	d2 (±0.25)	d3	d1 (-0,04 -0,08)	h (±1)	Q (+0.5)	g
W69521.I05X..CIN	21	**23.5**	16	12	5.54	6	**5**	6	10-15-20-25-30-35-40-50-60-70	22-23-23-24-25-25-26-28-29-30
W69521.I06X..CIN	21	**23.5**	16	12	6.99	6	**6**	7	10-15-20-25-30-35-40-50-60-70-80	23-24-25-26-27-28-29,5-32-34-36-38,5
W69521.I08X..CIN	21	**23.5**	16	12	9.42	6	**8**	8	10-15-20-25-30-35-40-50-60-70-80	27-29-31-32-35-36-38-42-46-50-54
W69525.I10X..CIN	25	**26**	18	14	11.86	7.5	**10**	9	15-20-25-30-35-40-50-60-70-80-90-100	45-48-50,5-54-56-60-65-70,5-78-81-90-96
W69535.I12X..CIN	35	**32**	22	18	14.45	10.5	**12**	10	20-25-30-35-40-50-60-70-80-90-100	98-102-107-110-115-123-132-140-150-157-168

Enter the selected stud length in place of the two dots . . in the item code.

Stock availability as % ( )
90% (●) - 40% (●) - 5% (●)

W698

QUICK RELEASE PLASTIC KNOB DETENT PIN

+135° -30° | PA6 +G.F. | UL94 HB | RoHS COMPLIANT

Materials:
(1) Reinforced polyamide.Resistant to oils and greases.
(2) Free-cutting steel.

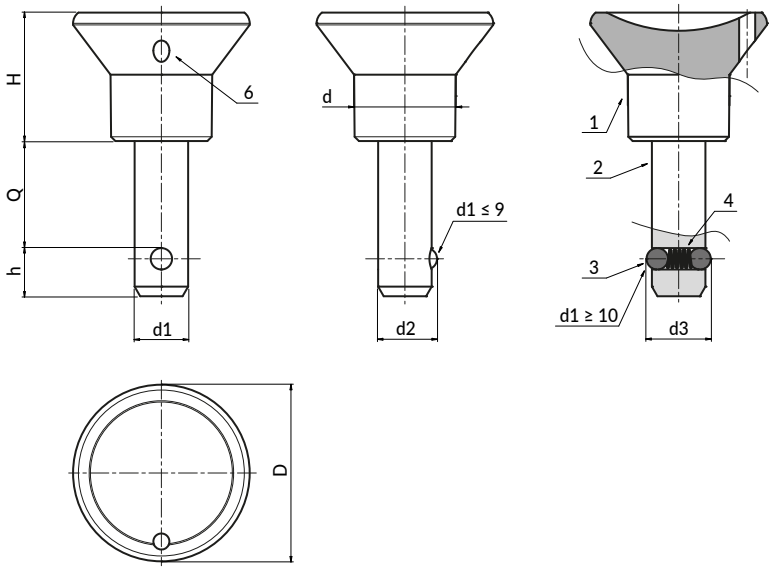
Surface finish:
(1) Satin.
(2) Turned.

Colour:
(1) Black (RAL 9011).
(2) Standard galvanising.

Inserts:
(4) Galvanised steel spring.
(3) Stainless steel balls (Aisi 440C).
(1) Turned stem with hole for spring and ball.

Attention:
> Two retaining balls are mounted in a stem with diameter equal to or greater than 10mm.
> We recommend making the hole for the stem with tolerance H11.

Special Requests:
- None.



Art.	D	d	H	h	d2	d3	d1 (-0.04 -0.08)	Shear strength to double shear strength max. kN	Q (+0.6)	g
W698025.TD06X..01	25	**14**	18	7	6.5	-	**6**	22	10-15-20-25-30-40-50	12-12-13-14-15-18-21
W698025.TD08X..01	25	**14**	18	8	8.75	-	**8**	38	15-20-25-30-40-50	18-19-20-21-25-31
W698033.TD10X..01	33	**19**	24	9	-	12	**10**	60	15-20-25-30-40-50	29-32-37-38-46-53
W698033.TD12X..01	33	**19**	24	10	-	14.5	**12**	86	20-30-40-50	40-51-60-69

Enter the selected stud length in place of the two dots . . in the item code.

W634CIN

FULL STAINLESS STEEL QUICK RELEASE DETENT PIN

+200° -20° | Aisi 303 | RoHS COMPLIANT | INOX

Materials:
(1) Turned stainless steel body (Aisi 303).
(2) Turned stainless steel pin (Aisi 303).
(3) Stainless steel spring (Aisi 301).
(4) Hardened stainless steel balls (Aisi 440C).

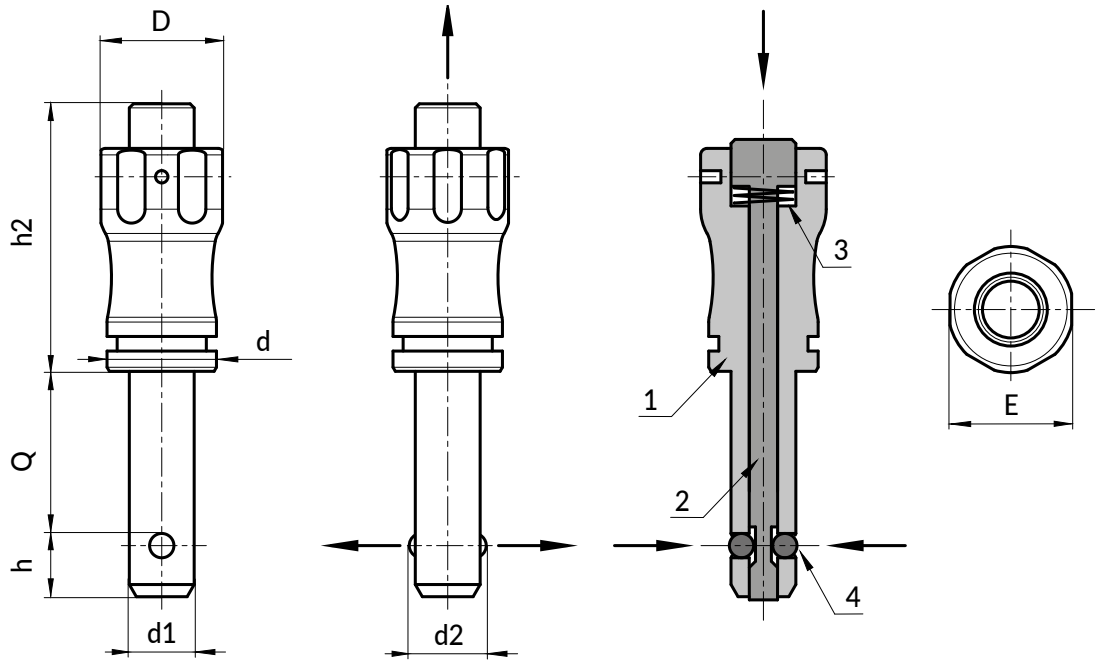
Surface finish:
Natural.

Colour:
Natural.

ATTENTION:
> We recommend an H11 tolerance for the plunger stem bore.

Notes:
The quick release detent pin is a quick and easy way to connect components or secure pieces to be machined.

Special Requests:
- None.



Version W634CIN: without ring

Art.	D	d	d2	E	h	h2	d1H9	Shear strength to double shear strength max. kN	Q(+0.6)	g
W634011.HD05X.. CIN	11.5	**10**	5.5	11	5.9	25	**5**	15	10-15-20-25-30	12-12-13-16-19
W634011.HD06X.. CIN	11.5	**10**	6.85	11	6.8	25	**6**	22	10-15-20-25-30-35-40-45-50	13-13-13.5-14-14.5-17.5-21-23-26
W634015.HD08X.. CIN	15.5	**13.5**	9.5	15	7.8	33	**8**	38	20-25-30-35-40-45-50	26-27-27.5-28-28.5-28.5-30
W634015.HD10X.. CIN	15.5	**13.5**	12	15	8.9	33	**10**	60	20-25-30-35-40-45-50-60	27.5-28-28.5-29-29.5-30-30.5-31.5
W634022.HD12X.. CIN	22	**20**	14.5	21	9.9	39.5	**12**	86	25-30-35-40-45-50-60-70-80	62.5-63.5-64.5-65.5-66-75.5-77.5-79-81
W634022.HD16X.. CIN	22	**20**	19	21	13.1	39.5	**16**	153	30-35-40-45-50-60-70-80	74-75-76-77-78-80.5-83-85

W635CIN

FULL STAINLESS STEEL QUICK RELEASE DETENT PIN - WITH RING

+200° -20° | Aisi 303 | RoHS✓ COMPLIANT

INOX

Materials:
(1) Turned stainless steel body (Aisi 303).
(2) Turned stainless steel pin (Aisi 303).
(3) Stainless steel spring (Aisi 301).
(4) Hardened stainless steel balls (Aisi 440C).
(5) Stainless steel spring ring (Aisi 302).

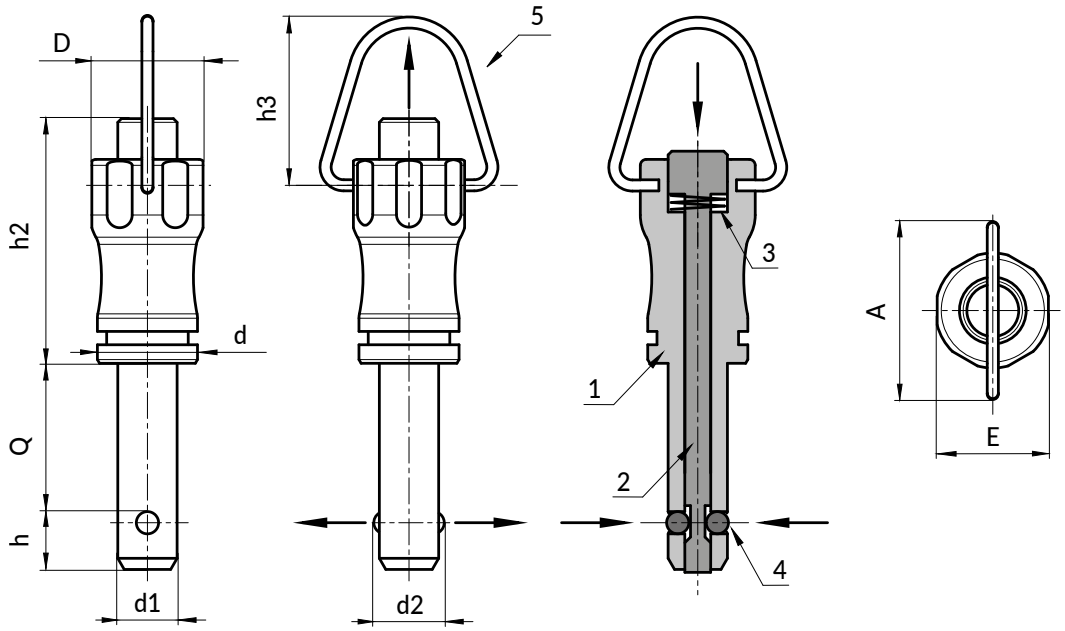
Surface finish:
Natural.

Colour:
Natural.

Notes:
The quick release detent pin is a quick and easy way to connect components or secure pieces to be machined.

ATTENTION:
> We recommend an H11 tolerance for the plunger stem bore.

Special Requests:
- None.



Version W635 CIN: with stainless steel ring (Aisi 303)

Art.	D	d	d2	A	E	h	h2	h3	d1H9	Shear strength to double shear strength max. kN	Q(+0.6)	g
W635011.HD05X.. CIN	11.5	**10**	5.5	18	11	5.9	35	16.5	**5**	15	10-15-20-25-30	12-12-13-16-19
W635011.HD06X.. CIN	11.5	**10**	6.85	18	11	6.8	35	16.5	**6**	22	10-15-20-25-30-35-40-45-50	13-13-13.5-14-14.5-17.5-21-23-26
W635015.HD08X.. CIN	15.5	**13.5**	9.5	24	15	7.8	46.5	23	**8**	38	20-25-30-35-40-45-50	26-27-27.5-28-28.5-28.5-30
W635015.HD10X.. CIN	15.5	**13.5**	12	24	15	8.9	46.5	23	**10**	60	20-25-30-35-40-45-50-60	27.5-28-28.5-29-29.5-30-30.5-31.5
W635022.HD12X.. CIN	22	**20**	14.5	33	21	9.9	59	30	**12**	86	25-30-35-40-45-50-60-70-80	62.5-63.5-64.5-65.5-66-75.5-77.5-79-81
W635022.HD16X.. CIN	22	**20**	19	33	21	13.1	59	30	**16**	153	30-35-40-45-50-60-70-80	74-75-76-77-78-80.5-83-85

Enter the selected stud length in place of the two dots . . in the item code.

W630

QUICK RELEASE STEEL RING DETENT PIN

+200° -20° AVP RoHS COMPLIANT

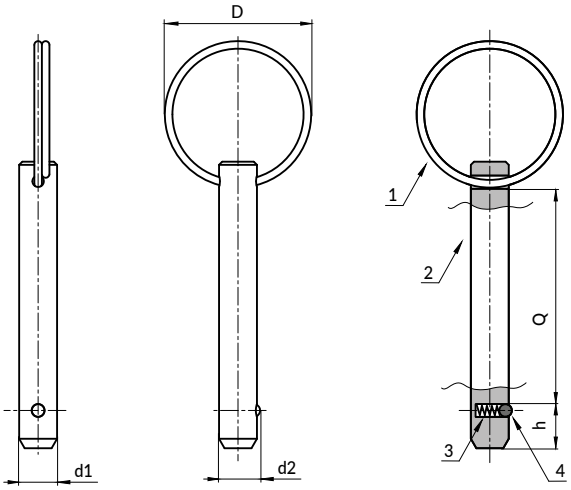
Materials:
(1) Stainless steel spring ring (Aisi 302).
(2) Turned free-cutting steel pin.
(3) Stainless steel spring (Aisi 301).
(4) Hardened stainless steel balls (Aisi 440C).

Surface finish:
(1-4) Natural.
(2) Standard blue galvanising.

Notes:
The quick release detent pin is a quick and easy way to connect components or secure pieces to be machined.

ATTENTION:
> We recommend an H11 tolerance for the plunger stem bore.

Special Requests:
- None.



Art.	D	d2	h	d1H9	Q(+0.6)	g	Shear strength to double shear strength max. kN
W630023.VZD06X15	23	6.5	7	6	15	7	22
W630023.VZD06X20	23	6.5	7	6	20	8	22
W630023.VZD06X30	23	6.5	7	6	30	10	22
W630023.VZD06X40	23	6.5	7	6	40	12	22
W630028.VZD08X30	28	8.8	8	8	30	19	38
W630028.VZD08X40	28	8.8	8	8	40	23	38
W630028.VZD08X50	28	8.8	8	8	50	27	38