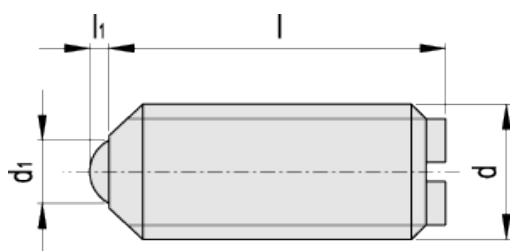


EN 615-NI

Threaded ball spring plungers



american unit
metric unit

Elesa Standards			Main dimensions				Spring pressure		Weight
With locking patch	Without locking patch	Description	d	l	d ₁	l ₁	Preload [lbf] [N]	Max. load [lbf] [N]	lbs g
Code	Code								
EN.933200	EN.933199	EN 615-4-48-KN*	4-48 -	0.19 4.7	0.06 1.6	0.02 0.5	0.09 0.44	0.49 2.23	0.002 1
EN.933202	EN.933201	EN 615-5-40-KN*	5-40 -	0.25 6.4	0.06 1.6	0.02 0.5	0.29 1.3	0.8 3.6	0.002 1
EN.933204	EN.933203	EN 615-6-32-KN*	6-32 -	0.31 7.9	0.08 2	0.02 0.6	0.49 2.2	1 4.5	0.002 1
EN.933206	EN.933205	EN 615-6-40-KN*	6-40 -	0.31 7.9	0.08 2	0.02 0.6	0.49 2.2	1 4.5	0.002 1
EN.933208	EN.933207	EN 615-8-32-KN*	8-32 -	0.34 8.7	0.09 2.4	0.02 0.6	0.8 3.6	1.29 5.8	0.002 1
EN.933210	EN.933209	EN 615-8-36-KN*	8-36 -	0.34 8.7	0.09 2.4	0.02 0.6	0.8 3.6	1.29 5.8	0.002 1
EN.933212	EN.933211	EN 615-10-32-LN*	10-32 -	0.52 13.1	0.09 2.4	0.02 0.6	0.89 4	1.5 6.7	0.002 1
EN.933214	EN.933213	EN 615-10-32-KN*	10-32 -	0.52 13.1	0.09 2.4	0.02 0.6	2 8.9	3.1 13.8	0.002 1
EN.933216	EN.933215	EN 615-10-32-KSN*	10-32 -	0.52 13.1	0.09 2.4	0.02 0.6	3.3 14.7	4.8 21.4	0.002 1
EN.933222	EN.933221	EN 615-1/4-20-LN*	1/4-20 -	0.53 13.5	0.13 3.2	0.04 0.9	2 9.3	3.9 17.8	0.004 2
EN.933224	EN.933223	EN 615-1/4-20-KN*	1/4-20 -	0.53 13.5	0.13 3.2	0.04 0.9	3.8 16.9	6.8 30.3	0.004 2

Elesa Standards			Main dimensions				Spring pressure		Weight
With locking patch	Without locking patch								
Code		Description	d	l	d ₁	l ₁	Preload [lbf] [N]	Max. load [lbf] [N]	lbs g
EN.933226	EN.933225	EN 615-1/4-20-KSN*	1/4-20 -	0.53 13.5	0.13 3.2	0.04 0.9	5.6 25	8.6 38.4	0.004 2
EN.933242	EN.933241	EN 615-5/16-18-LN*	5/16-18 -	0.58 14.7	0.16 4	0.04 1	2 8.9	4.6 20.5	0.004 2
EN.933244	EN.933243	EN 615-5/16-18-KN*	5/16-18 -	0.58 14.7	0.16 4	0.04 1	4 17.8	8.4 37.5	0.004 2
EN.933246	EN.933245	EN 615-5/16-18-KSN*	5/16-18 -	0.58 14.7	0.16 4	0.04 1	6 26.7	11.1 49.5	0.004 2
EN.933252	EN.933251	EN 615-3/8-16-LN*	3/8-16 -	0.63 15.9	0.19 4.8	0.05 1.2	2.5 11.1	5 22.3	0.011 5
EN.933254	EN.933253	EN 615-3/8-16-KN*	3/8-16 -	0.63 15.9	0.19 4.8	0.05 1.2	5 22.3	10.2 45.9	0.011 5
EN.933256	EN.933255	EN 615-3/8-16-KSN*	3/8-16 -	0.63 15.9	0.19 4.8	0.05 1.2	7.5 33.4	15 67.4	0.011 5
EN.933262	EN.933261	EN 615-1/2-13-LN*	1/2-13 -	0.75 19.1	0.28 7.1	0.07 1.8	3 13.4	6 26.7	0.029 13
EN.933264	EN.933263	EN 615-1/2-13-KN*	1/2-13 -	0.75 19.1	0.28 7.1	0.07 1.8	6 26.7	12 53.6	0.029 13
EN.933266	EN.933265	EN 615-1/2-13-KSN*	1/2-13 -	0.75 19.1	0.28 7.1	0.07 1.8	6 26.7	24 107.1	0.029 13
EN.933272	EN.933271	EN 615-5/8-11-LN*	5/8-11 -	0.98 25	0.37 9.5	0.09 2.4	4.5 20	9 40.1	0.055 25
EN.933274	EN.933273	EN 615-5/8-11-KN*	5/8-11 -	0.98 25	0.37 9.5	0.09 2.4	9 40.1	18 80.3	0.055 25
EN.933276	EN.933275	EN 615-5/8-11-KSN*	5/8-11 -	0.98 25	0.37 9.5	0.09 2.4	7 31.2	40 178.5	0.055 25

*Complete the description of the standard item needed by adding /LE for plungers with nylon locking patch.

Threaded body

AISI 303 stainless steel, screwdriver slotted head.

Standard executions

Hardened stainless steel ball and stainless steel spring.

- EN 615-NI-LN: light end force (marked with one line).
- EN 615-NI-KN: normal end force.
- EN 615-NI-KSN: heavy end force (marked with two lines).
- EN 615-NI-LN/LE: light end force with locking patch (marked with one line).
- EN 615-NI-KN/LE: normal end force with locking patch.
- EN 615-NI-KSN/LE: heavy end force with locking patch (marked with two lines).

Nylon locking patch for applications subject to vibrations or to eliminate the need for check nuts. Not recommended for applications in soft materials. Countersink the mating thread at least .030 to .045 larger than the major diameter of the plunger to make insertion of the plunger easier.



STANDARD MACHINE ELEMENTS WORLDWIDE