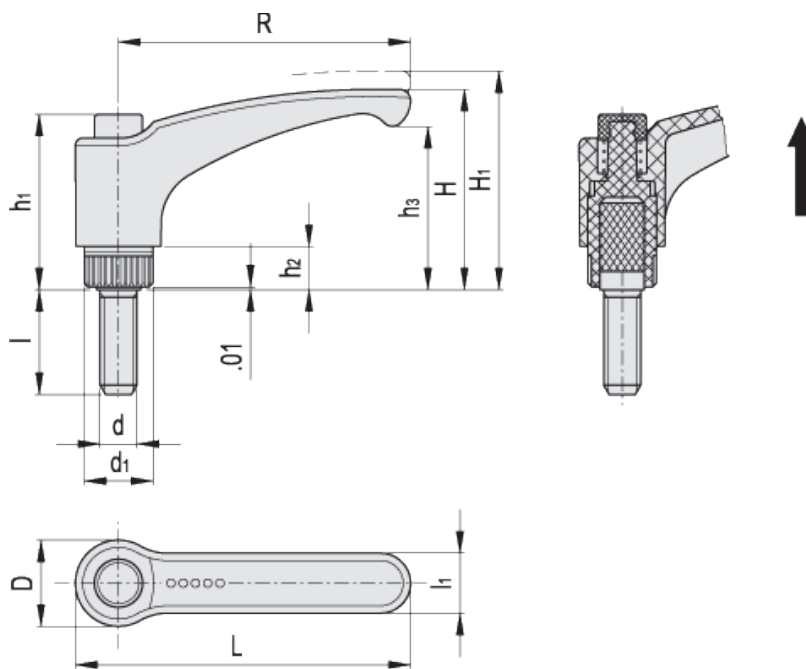


ERX.SST-p

Adjustable handles



ELESA Original design



american unit
metric unit



* Complete with colour index, example: 90235201-C2 ERX.30 SST-p-10-24x5/8-C2



Elesa Standards		Main dimensions										Threaded stud		Teeth no.	Weight
Code	Description	R	L	D	H	H ₁	h ₁	h ₂	h ₃	d ₁	l ₁	d _{2A}	l	z	lbs g
90235187-*	ERX.30 SST-p-10-24x5/8-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	10-24 -	0.625 -	- 18	0.018 8
90235191-*	ERX.30 SST-p-10-32x3/4-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	10-32 -	0.750 -	- 18	0.018 8
90235196-*	ERX.30 SST-p-1/4-20x1/2-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	1/4-20 -	0.500 -	- 18	0.02 9
90235197-*	ERX.30 SST-p-1/4-20x5/8-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	1/4-20 -	0.625 -	- 18	0.02 9

Elesa Standards		Main dimensions										Threaded stud		Teeth no.	Weight
Code	Description	R	L	D	H	H ₁	h ₁	h ₂	h ₃	d ₁	l ₁	d _{2A}	l	z	lbs g
90235198-*	ERX.30 SST-p-1/4-20x3/4-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	1/4-20 -	0.750 -	- 18	0.022 10
90235199-*	ERX.30 SST-p-1/4-20x1-*	1.18 30	1.48 37.5	0.61 15.5	1.18 30	1.32 33.5	1.16 29.5	0.24 6	0.91 23	0.47 12	0.35 9	1/4-20 -	1.000 -	- 18	0.024 11
90235201-*	ERX.44 SST-p-10-24x5/8-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	10-24 -	0.625 -	- 18	0.022 10
90235206-*	ERX.44 SST-p-10-32x3/4-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	10-32 -	0.750 -	- 18	0.029 13
90235221-*	ERX.44 SST-p-1/4-20x1/2-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	1/4-20 -	0.500 -	- 18	0.029 13
90235223-*	ERX.44 SST-p-1/4-20x5/8-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	1/4-20 -	0.625 -	- 18	0.031 14
90235226-*	ERX.44 SST-p-1/4-20x3/4-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	1/4-20 -	0.750 -	- 18	0.033 15
90235231-*	ERX.44 SST-p-1/4-20x1-*	1.73 44	2.05 52	0.61 15.5	1.28 32.5	1.42 36	1.16 29.5	0.24 6	0.98 25	0.47 12	0.43 11	1/4-20 -	1.000 -	- 18	0.035 16
90235411-*	ERX.63 SST-p-1/4-20x1/2-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	1/4-20 -	0.500 -	- 20	0.057 26
90235416-*	ERX.63 SST-p-1/4-20x5/8-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	1/4-20 -	0.625 -	- 20	0.062 28
90235421-*	ERX.63 SST-p-1/4-20x3/4-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	1/4-20 -	0.750 -	- 20	0.066 30
90235433-*	ERX.63 SST-p-5/16-18x5/8-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	5/16-18 -	0.625 -	- 20	0.068 31
90235436-*	ERX.63 SST-p-5/16-18x3/4-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	5/16-18 -	0.750 -	- 20	0.073 33
90235441-*	ERX.63 SST-p-5/16-18x1-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	5/16-18 -	1.000 -	- 20	0.075 34
90235446-*	ERX.63 SST-p-5/16-18x1¼-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	5/16-18 -	1.250 -	- 20	0.077 35
90235451-*	ERX.63 SST-p-5/16-18x1½-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	5/16-18 -	1.500 -	- 20	0.081 37
90235471-*	ERX.63 SST-p-3/8-16x3/4-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	3/8-16 -	0.750 -	- 20	0.077 35
90235476-*	ERX.63 SST-p-3/8-16x1¼-*	2.48 63	2.89 73.5	0.75 19	1.69 43	1.85 47	1.48 37.5	0.31 8	1.36 34.5	0.59 15	0.53 13.5	3/8-16 -	1.250 -	- 20	0.086 39
90235723-*	ERX.78 SST-p-3/8-16x3/4-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	3/8-16 -	0.750 -	- 24	0.132 60
90235726-*	ERX.78 SST-p-3/8-16x1-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	3/8-16 -	1.000 -	- 24	0.137 62
90235731-*	ERX.78 SST-p-3/8-16x1¼-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	3/8-16 -	1.250 -	- 24	0.141 64
90235736-*	ERX.78 SST-p-3/8-16x1½-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	3/8-16 -	1.500 -	- 24	0.154 70
90235741-*	ERX.78 SST-p-3/8-16x2-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	3/8-16 -	2.000 -	- 24	0.165 75
90235771-*	ERX.78 SST-p-1/2-13x1¼-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	1/2-13 -	1.250 -	- 24	0.159 72
90235773-*	ERX.78 SST-p-1/2-13x1½-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	1/2-13 -	1.500 -	- 24	0.167 76
90235776-*	ERX.78 SST-p-1/2-13x2-*	3.07 78	3.56 90.5	0.91 23	2.13 54	2.28 58	1.85 47	0.47 12	1.73 44	0.75 19	0.63 16	1/2-13 -	2.000 -	- 24	0.174 79
90235921-*	ERX.95 SST-p-1/2-13x1¼-*	3.74 95	4.29 109	1.04 26.5	2.54 64.5	2.72 69	2.15 54.5	0.51 13	2.09 53	0.85 21.5	0.71 18	1/2-13 -	1.250 -	- 26	0.196 89
90235926-*	ERX.95 SST-p-1/2-13x1½-*	3.74 95	4.29 109	1.04 26.5	2.54 64.5	2.72 69	2.15 54.5	0.51 13	2.09 53	0.85 21.5	0.71 18	1/2-13 -	1.500 -	- 26	0.205 93
90235931-*	ERX.95 SST-p-1/2-13x2-*	3.74 95	4.29 109	1.04 26.5	2.54 64.5	2.72 69	2.15 54.5	0.51 13	2.09 53	0.85 21.5	0.71 18	1/2-13 -	2.000 -	- 26	0.214 97
90236006-*	ERX.108 SST-p-1/2-13x1¼-*	4.25 108	4.84 123	1.18 30	2.58 65.5	2.76 70	2.15 54.5	0.43 11	2.07 52.5	0.98 25	0.79 20	1/2-13 -	1.250 -	- 28	0.154 70

90236011-*	ERX.108 SST-p-1/2-13x1½-*	4.25 108	4.84 123	1.18 30	2.58 65.5	2.76 70	2.15 54.5	0.43 11	2.07 52.5	0.98 25	0.79 20	1/2-13 -	1.500 -	- 28	0.161 73
90236016-*	ERX.108 SST-p-1/2-13x2-*	4.25 108	4.84 123	1.18 30	2.58 65.5	2.76 70	2.15 54.5	0.43 11	2.07 52.5	0.98 25	0.79 20	1/2-13 -	2.000 -	- 28	0.165 75

Lever body

Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.

Colour

Grey-black, matte finish.

Push button

Technopolymer in Ergostyle colours, glossy finish.

Standard execution

Glass-fibre reinforced technopolymer, black colour, with knurling on the protruding part to make initial tightening easier. AISI 302 stainless steel return spring.

AISI 303 stainless steel threaded stud, chamfered flat end ISO 4753 (see [Technical Data](#)).

Other executions on request

Threaded metric studs.

Lever body in orange (C2) with black push button (C1).

Example: code 90235201-C2-C1 description ERX.44-SST-C2-p-10-24x5/8-C1.



Features and applications

Particularly suitable when the lever turning angle is limited owing to lack of space.

Compared to other types of adjustable handles with metal retaining screw this solution offers:

- absolute electric insulation for the operator's hand.
- more comfortable lever release.

Stress resistance

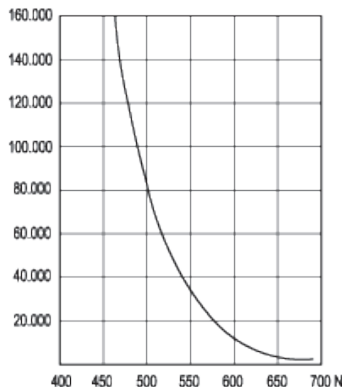
Adjustable handles are generally used for repetitive clamping operations sometimes with very high-frequency.

Therefore, the stress resistance (i.e. the resistance to repeated tightening cycles) of the handle unit is particularly important and, especially, the strength of the toothed element which transmits the tightening force from the handle to the threaded element (boss or stud).

In fact, the results of several laboratory tests, performed with a special instrument that simulates the most severe use conditions, have shown that e.g. ERX.78 SST-p adjustable handle can withstand without yielding more than 100,000 tightening cycles, under the action of a force of 490 N (see graphic).

The special glass-fibre reinforced technopolymer enables the ELESА adjustable handles to guarantee stress resistance values which are much higher than the ones generated under normal working conditions.

NUMBER OF TIGHTENINGS



Instructions of use

For clamping, lift the lever to disengage the clamping device toothing and bring it back to start position. By releasing the lever, the return spring automatically engages the teeth.



STANDAARD MACHINE ELEMENTS WORLDWIDE

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