

# ERX.p

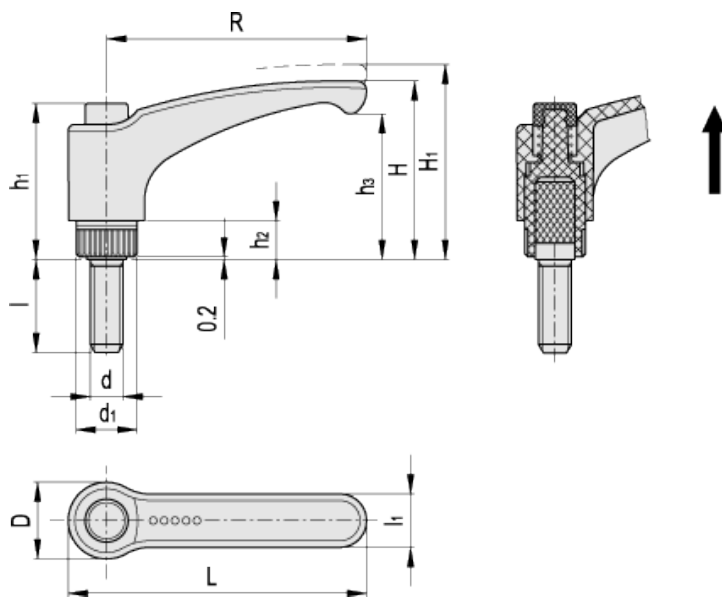
## Adjustable handles



ELESA Original design



ERGOSTYLE®



\* Complete with colour index, example: 234001-C2 ERX.30 p-M5x10-C2

C1 RAL7021  
  C2 RAL2004  
  C3 RAL7035  
  C4 RAL1021  
  C5 RAL5024  
  C6 RAL3000

Ergostyle		Main dimensions										Threaded stud		Teeth no.	Weight
Code	Description	R	L	D	H	H <sub>1</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	d <sub>1</sub>	l <sub>1</sub>	d <sub>6g</sub>	l	z	g
234001-*	ERX.30 p-M5x10-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M5	10	18	6
234006-*	ERX.30 p-M5x16-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M5	16	18	6
234011-*	ERX.30 p-M5x20-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M5	20	18	7
234016-*	ERX.30 p-M6x10-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	10	18	8
234021-*	ERX.30 p-M6x16-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	16	18	9
234026-*	ERX.30 p-M6x20-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	20	18	10
234031-*	ERX.30 p-M6x25-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	25	18	11
234036-*	ERX.30 p-M6x30-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	30	18	12

Ergostyle		Main dimensions										Threaded stud		Teeth no.	Weight
Code	Description	R	L	D	H	H <sub>1</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	d <sub>1</sub>	l <sub>1</sub>	d <sub>6g</sub>	l	z	g
234046-*	ERX.30 p-M6x40-*	30	37.5	15.5	30	33.5	29.5	6	23	12	9	M6	40	18	14
234101-*	ERX.44 p-M5x10-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M5	10	18	11
234106-*	ERX.44 p-M5x16-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M5	16	18	12
234111-*	ERX.44 p-M5x20-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M5	20	18	13
234116-*	ERX.44 p-M6x10-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	10	18	13
234121-*	ERX.44 p-M6x16-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	16	18	14
234126-*	ERX.44 p-M6x20-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	20	18	15
234131-*	ERX.44 p-M6x25-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	25	18	16
234136-*	ERX.44 p-M6x30-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	30	18	17
234146-*	ERX.44 p-M6x40-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	40	18	19
234151-*	ERX.44 p-M6x45-*	44	52	15.5	32.5	36	29.5	6	25	12	11	M6	45	18	20
234301-*	ERX.63 p-M6x10-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	10	20	28
234306-*	ERX.63 p-M6x16-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	16	20	29
234311-*	ERX.63 p-M6x20-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	20	20	30
234316-*	ERX.63 p-M6x25-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	25	20	31
234321-*	ERX.63 p-M6x30-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	30	20	32
234323-*	ERX.63 p-M6x35-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	35	20	32
234326-*	ERX.63 p-M6x40-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M6	40	20	32
234333-*	ERX.63 p-M8x16-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	16	20	32
234336-*	ERX.63 p-M8x20-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	20	20	32
234341-*	ERX.63 p-M8x25-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	25	20	34
234346-*	ERX.63 p-M8x30-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	30	20	36
234351-*	ERX.63 p-M8x35-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	35	20	38
234356-*	ERX.63 p-M8x40-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	40	20	40
234361-*	ERX.63 p-M8x45-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	45	20	41
234366-*	ERX.63 p-M8x50-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	50	20	43
234371-*	ERX.63 p-M8x60-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	60	20	46
234376-*	ERX.63 p-M8x70-*	63	73.5	19	43	47	37.5	8	34.5	15	13.5	M8	70	20	50
234498-*	ERX.78 p-M8x20-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	20	24	42
234501-*	ERX.78 p-M8x25-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	25	24	43
234503-*	ERX.78 p-M8x30-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	30	24	44
234506-*	ERX.78 p-M8x40-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	40	24	48
234507-*	ERX.78 p-M8x45-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	45	24	50
234509-*	ERX.78 p-M8x50-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	50	24	52
234511-*	ERX.78 p-M8x55-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	55	24	55
234513-*	ERX.78 p-M8x60-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	60	24	57
234515-*	ERX.78 p-M8x70-*	78	90.5	24.5	54	58	47	12	44	19	16	M8	70	24	60
234516-*	ERX.78 p-M10x20-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	20	24	58
234521-*	ERX.78 p-M10x25-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	25	24	61
234526-*	ERX.78 p-M10x30-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	30	24	64
234531-*	ERX.78 p-M10x35-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	35	24	67
234536-*	ERX.78 p-M10x40-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	40	24	70
234541-*	ERX.78 p-M10x50-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	50	24	76
234546-*	ERX.78 p-M10x60-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	60	24	82
234551-*	ERX.78 p-M10x70-*	78	90.5	24.5	54	58	47	12	44	19	16	M10	70	24	88
234561-*	ERX.78 p-M12x20-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	20	24	70

234566-*	ERX.78 p-M12x25-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	25	24	71
234571-*	ERX.78 p-M12x30-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	30	24	74
234573-*	ERX.78 p-M12x35-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	35	24	75
234576-*	ERX.78 p-M12x40-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	40	24	76
234581-*	ERX.78 p-M12x45-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	45	24	77
234586-*	ERX.78 p-M12x50-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	50	24	78
234591-*	ERX.78 p-M12x60-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	60	24	81
234593-*	ERX.78 p-M12x70-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	70	24	84
234596-*	ERX.78 p-M12x80-*	78	90.5	24.5	54	58	47	12	44	19	16	M12	80	24	86
234726-*	ERX.95 p-M12x30-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M12	30	26	86
234741-*	ERX.95 p-M12x50-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M12	50	26	90
234751-*	ERX.95 p-M12x70-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M12	70	26	94
234901-*	ERX.95 p-M16x30-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M16	30	26	104
234911-*	ERX.95 p-M16x50-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M16	50	26	110
234921-*	ERX.95 p-M16x70-*	95	109	26.5	64.5	69	54.5	13	53	21.5	18	M16	70	26	116
235001-*	ERX.108 p-M12x30-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M12	30	28	70
235006-*	ERX.108 p-M12x50-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M12	50	28	75
235011-*	ERX.108 p-M12x70-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M12	70	28	80
235016-*	ERX.108 p-M14x30-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M14	30	28	86
235021-*	ERX.108 p-M14x50-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M14	50	28	90
235026-*	ERX.108 p-M14x70-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M14	70	28	95
235036-*	ERX.108 p-M16x30-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M16	30	28	100
235041-*	ERX.108 p-M16x50-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M16	50	28	105
235046-*	ERX.108 p-M16x70-*	108	123	30	65.5	70	54.5	11	52.5	25	20	M16	70	28	110

#### 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 clamping element with retaining pin, black colour, with knurling on the protruding part to make initial tightening easier. AISI 302 stainless steel return spring.

Zinc-plated steel threaded stud, chamfered flat end UNI 947 : ISO 4753 (see [Technical Data](#) ).

#### Other executions available

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

Example: code 234001-C2-C1 description ERX.30-C2-p-M5x10-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;
- no visible steel parts subject to rust;
- more comfortable lever release.

#### Stress resistance

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

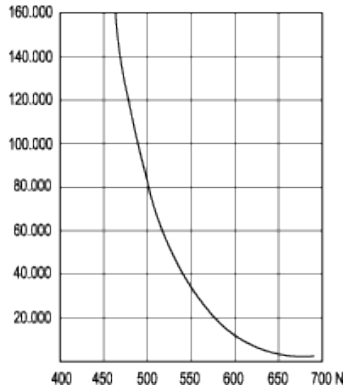
Therefore, the stress resistance (i.e. the resistance to repeated tightening cycles) of the handle unit is particularly important and, especially, the strength of the toothed element which transmits the tightening force from the handle to the threaded element (boss

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 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 ELESAs 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 teeth and bring it back to start position. By releasing the lever, the return spring automatically engages the teeth.



STANDARD MACHINE ELEMENTS WORLDWIDE

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