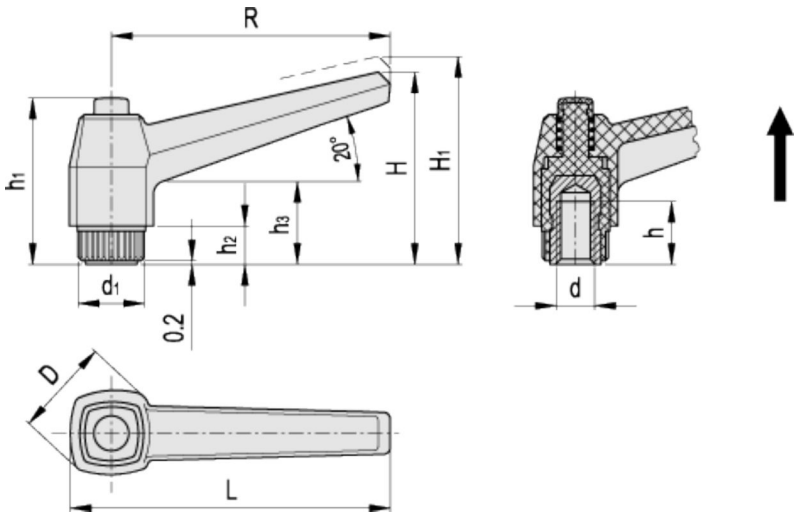
MRX-SST

Adjustable handles

ELESA Original design



Elesa Standards		Main dimensions									Mounting hole		Teeth no.	Weight
Code	Description	R	L	D	H	H_1	h_1	h_2	h_3	d_1	d_{6H}	h	z	g
141185	MRX.40-SST-M5	42	50	18	32	35.5	29	6	14	12	M5	6	18	14
141191	MRX.40-SST-M6	42	50	18	32	35.5	29	6	14	12	M6	10	18	12
141423	MRX.63-SST-M6	63	73	23	43	46.5	37	8	17	15	M6	12	20	24
141425	MRX.63-SST-M8	63	73	23	43	46.5	37	8	17	15	M8	13	20	22
142155	MRX.80-SST-M8	80	92	28	54	58.5	47	10	22	19	M8	13	24	44
142161	MRX.80-SST-M10	80	92	28	54	58.5	47	10	22	19	M10	17	24	42
142561	MRX.100-SST-M12	100	114	33	65	69.5	54	12	25	25	M12	20	28	75

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

Colour
Black, matte finish.

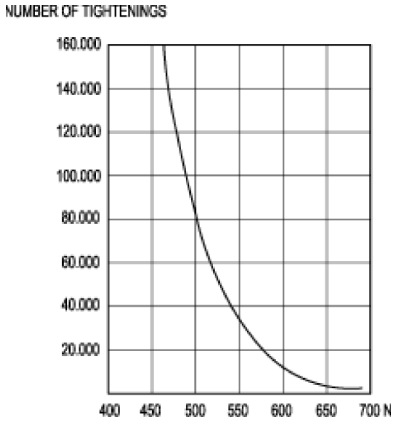
Push button
Technopolymer, black colour, matte finish.

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.
AISI 303 stainless steel boss, tapped blind hole.

Special executions on request
Lever body in RAL 2004 orange, RAL 7031 grey.

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
- 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, perfomed with a special instrument that simulates the most severe use conditions, have shown that e.g. MRX.80 S-INOX 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 ELESA adjustable handles to guarantee stress resistance values which are much higher than the ones generated under normal working conditions.



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.