

MR.

ELESA original design

Adjustable handles

- **Glass-fibre reinforced polyamide based (PA) technopolymer lever body.**

Resistant to solvents, oils, greases and other chemical agents.

- Black, RAL 2004 orange, RAL 7031 grey standard colours with matte finish. On request and for sufficient quantities it can be supplied in RAL 6011 green.

- Technopolymer **locking element** with knurled protruding part to make initial screwing easier. Number of teeth (z) shown in the table.

- **Metal insert** available in different executions:

A - black oxide steel with plain or tapped blind hole. Black zinc-plated steel retaining hex socket head screw and AISI 302 stainless steel return spring.
B - brass with tapped blind hole. Brass retaining hex socket head screw and AISI 302 stainless steel return spring.

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

To adjust during clamping, lift lever to disengage clamping device tooting and bring back to start position. Releasing the lever the return spring automatically engages tooting once again.



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This product has been selected for its design by the international jury of "Die gute Industrieform-Hannover 1977"

Clamping levers

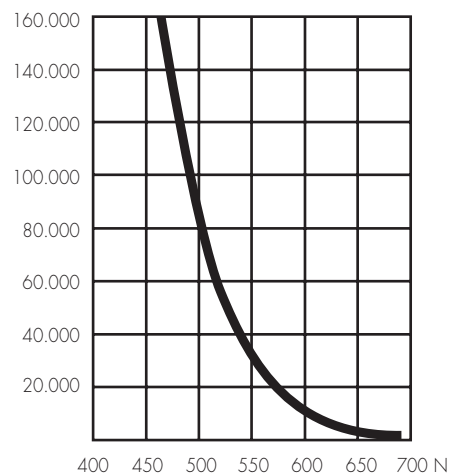
Stress resistance

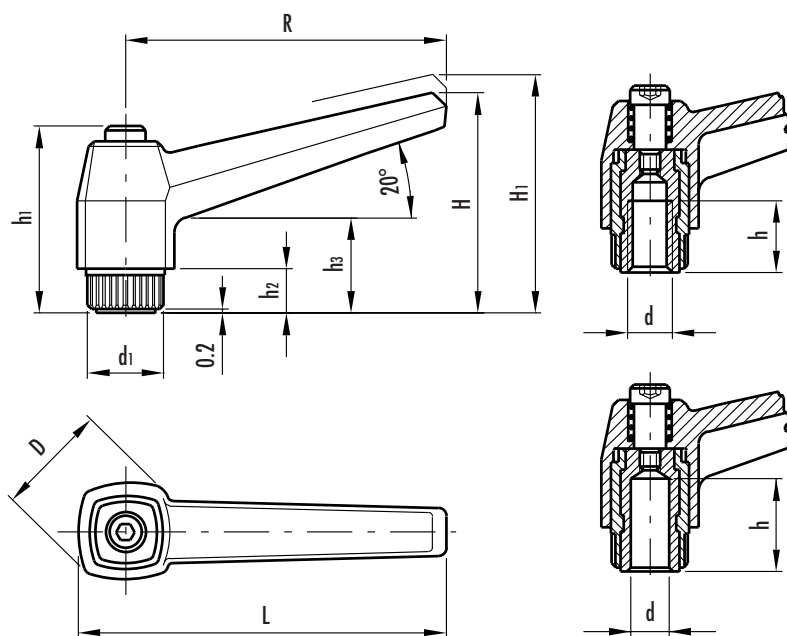
Adjustable handles are generally used for repetitive tightening, sometimes with high frequency. Therefore the stress resistance (i.e. resistance to frequent locking operations) of the whole handle and tooting used to transmit the clamping force from the lever to the locking element (boss or stud) is very important.

In fact, numerous tests carried out in our laboratories with appropriate equipment able to simulate the worst working conditions show for example, that the MR.80 adjustable handle stands up to over 100.000 tightening operations, even applying 490 N.

The choice of materials and rational design of the handle parts enable the ELESA adjustable handles to reach stress resistance values far higher than those normally experienced in normal working conditions.

Number of tightenings





Standard elements			Description ▲	Main dimensions									Mounting hole			Teeth no.	Bosses		Weight
Code				R	L	D	H	H1	h1	h2	h3	d1	d H7	d 6H	h	z	Steel	Brass	grams
Black	Orange	Grey																	
41101	41102	41104	MR.40 A-5	42	50	18	32	36.5	29	6	14	12	5	-	10	18	•		14
41121	41122	41124	MR.40 A-M4										M4	•			14		
41131	41132	41134	MR.40 A-M5										M5	•			14		
41141	41142	41144	MR.40 A-M6										M6	•			13		
41171	41172	41174	MR.40 B-M6										M6	•			14		
41401	41402	41404	MR.63 A-6	63	73	23	43	47	36	8	17	15	6	-	15	20	•		25
41411	41412	41414	MR.63 A-M6										M6	•	27				
41421	41422	41424	MR.63 A-M8										M8	•	24				
41426	41427	41429	MR.63 B-M8										M8	•	25				
42001	42002	42004	MR.80 A-8										80	92	28		54	59.5	45
42111	42112	42114	MR.80 A-M8	M8	•	57													
42121	42122	42124	MR.80 A-M10	M10	•	54													
42131	42132	42134	MR.80 A-M12	M12	•	48													
42151	42152	42154	MR.80 B-M10	M10	•	56													
42401	42402	42404	MR.100 A-10	100	114	33	65	70.5	53	12	25	25	10	-	25	28	•		114
42501	42502	42504	MR.100 A-M10										M10	•	114				
42511	42512	42514	MR.100 A-M12										M12	•	112				
42521	42522	42524	MR.100 A-M14										M14	•	104				
42531	42532	42534	MR.100 A-M16										M16	•	95				

▲ Complete the description of the standard item needed specifying one of the colours listed in the code column: black, orange or grey.