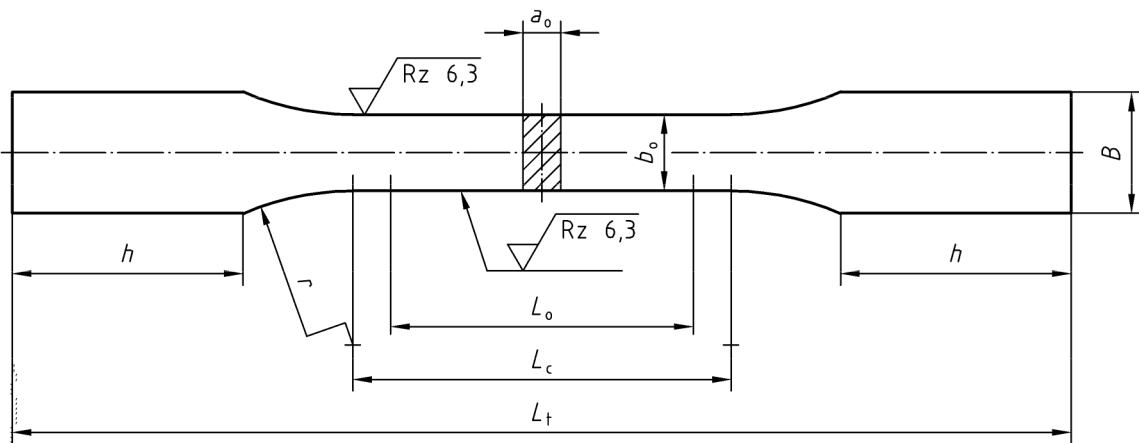


4.6 Type E test pieces



Key

- a_0 test piece thickness
- b_0 test piece width
- B width of gripped ends ($\approx 1,2 b + 3 \text{ mm}$)
- h length of gripped ends ($\approx 2 b + 10 \text{ mm}$)
- L_0 original gauge length ($L_0 = 5,65 \sqrt{a_0 \times b_0}$)
- L_c parallel length ($L_c \geq L_0 + 1,5 \sqrt{a_0 \times b_0}$)
- L_t total length of test piece

Figure 5 — Type E test piece, flat bar with ends for clamping in wedge grips

Designation of a type E test piece with a thickness $a_0 = 5 \text{ mm}$, width $b_0 = 16 \text{ mm}$ and original gauge length $L_0 = 50 \text{ mm}$:

Tensile test piece DIN 50125 – E 5 × 16 × 50

Table 6 — Examples of dimensions for type E test pieces

Dimensions in millimetres

a_0	b_0	L_0	B min.	r min.	h min.	L_c min.	L_t min.
3	8	30	12	12	26	38	104
4	10	35	15	12	30	45	120
5	10	40	15	12	30	51	126
5	16	50	22	15	40	64	162
6	20	60	27	15	50	77	197
7	22	70	29	20	55	89	222
8	25	80	33	20	60	102	246
10	25	90	33	20	60	114	258
10	30	100	40	25	70	126	296
12	26	100	34	25	65	127	285
15	30	120	40	25	70	152	322
18	30	130	40	25	70	165	335