

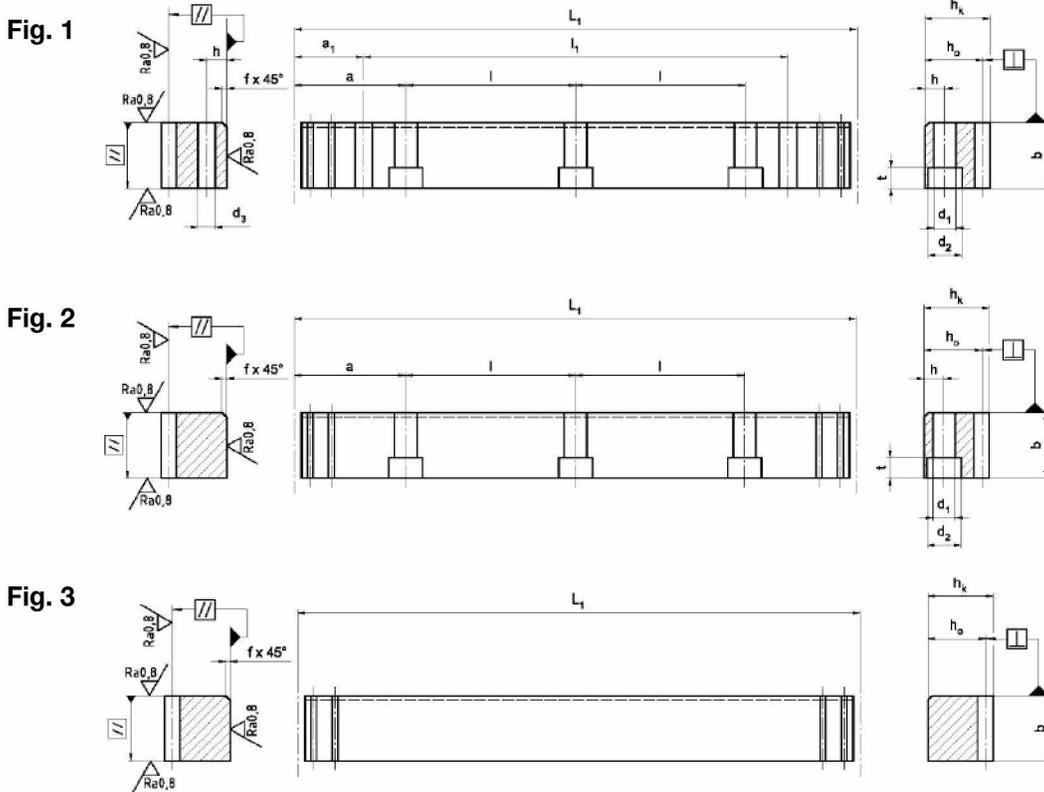
2.2 Technical principles

Module pitches straight toothed

Tooth rack: Pressure angle $\alpha = 20^\circ$
ground, soft or hardened

Outer surfaces: ground on all sides

Quality: 5 in accordance with DIN 3962, 3963, 3967
 f_p (mm) Single pitch deviation
Module ≤ 3 : 0,004
Module > 3 : 0,005
 F_p (mm) Total pitch deviation
 $F_p/1000$ (mm) 0.015 for a 1000 mm length



Standard lengths	m ¹⁾	p ⁴⁾	L ₁	z ²⁾	b	h _k	h ₀	f	a	l	n ³⁾	h	d ₁	d ₂	t	a ₁	l ₁	d ₃	Dimensions
	-	mm	mm	-	mm	mm	mm	mm	mm	mm	-	mm	mm	mm	mm	mm	mm	mm	kg
ZST M2 - 24 x 24 x 1005 - G	2	6.28	1005.3	160	24	24	22	2	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	4.2
ZST M2 - 24 x 24 x 2010 - G	2	6.28	2010.6	320	24	24	22	2	62.8	125.66	16	8	7	11	7	31.3	1948.0	5.7	8.4
MST M2 - 24 x 24 x 201 - G	2	6.28	201.0	32	24	24	22												0.8
ZST M3 - 29 x 29 x 1017 - G	3	9.42	1017.9	108	29	29	26	2	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	6.0
ZST M3 - 29 x 29 x 2035 - G	3	9.42	2035.8	216	29	29	26	2	63.6	127.23	16	9	10	15	9	34.4	1967.0	7.7	12.0
MST M3 - 29 x 29 x 198 - G	3	9.42	198.0	21	29	29	26												1.2
ZST M4 - 39 x 39 x 1005 - G	4	12.57	1005.3	80	39	39	35	3	62.8	125.66	8	12	10	15	9	37.5	930.3	7.7	10.7
ZST M4 - 39 x 39 x 2010 - G	4	12.57	2010.6	160	39	39	35	3	62.8	125.66	16	12	10	15	9	37.5	1935.6	7.7	21.4
MST M4 - 39 x 39 x 201 - G	4	12.57	201.0	16	39	39	35												2.2
ZST M5 - 49 x 39 x 1005 - G	5	15.70	1005.3	64	49	39	34	3	62.8	125.66	8	12	14	20	13	30.1	945.0	11.7	13.1
ZST M5 - 49 x 39 x 2010 - G	5	15.70	2010.6	128	49	39	34	3	62.8	125.66	16	12	14	20	13	30.1	1950.4	11.7	26.2
MST M5 - 49 x 39 x 204 - G	5	15.70	204.0	13	49	39	34												2.7
ZST M6 - 59 x 49 x 1017 - G	6	18.80	1017.9	54	59	49	43	3	63.6	127.23	8	16	18	26	17	31.4	955.0	15.7	20.2
ZST M6 - 59 x 49 x 2035 - G	6	18.80	2035.8	108	59	49	43	3	63.6	127.23	16	16	18	26	17	31.4	1973.0	15.7	40.4
MST M6 - 59 x 49 x 207 - G	6	18.80	207.0	11	59	49	43												4.1
ZST M8 - 79 x 79 x 1005 - G	8	25.10	1005.3	40	79	79	71	3	62.8	125.66	8	25	22	33	21	26.6	952.0	19.7	44.3
ZST M8 - 79 x 79 x 2010 - G	8	25.10	2010.6	80	79	79	71	3	62.8	125.66	16	25	22	33	21	26.6	1957.3	19.7	88.6
MST M8 - 79 x 79 x 201 - G	8	25.10	201.0	8	79	79	71												8.9
ZST M10 - 99 x 99 x 1005 - G	10	31.40	1005.3	32	99	99	89	3	62.8	125.66	8	32	33	48	32	125.7	754.0	19.7	68.7
MST M10 - 79 x 79 x 219 - G	10	31.40	219.0	7	79	79	69												10.2
ZST M12 - 120 x 120 x 1017 - G	12	37.70	1017.9	27	120	120	108	3	63.6	127.23	8	40	39	58	38	127.2	763.4	19.7	109.0
MST M12 - 99 x 99 x 263 - G	12	37.70	263.0	7	99	99	87												19.0

¹⁾ m Module ³⁾ n Number of holes
²⁾ z Number of teeth ⁴⁾ p Pitch (p=m*π)

any other lengths on request