MONTEFERRO

c mm	p mm	g mm	f mm	r_5 mm	m_1 mm	m_2 mm	t_1 mm	t_2 mm	d mm	d_1 mm	b_3 mm	l_2 mm	l_3 mm
	±0,5				+0,06/-0	+0/-0,06	±0,1	±0,1			±0,2	±0,2	±0,2
	5			1	2	1,95	2,5	2	9		23	85	15
	5			1					9		25	65	15
	5			1	2	1,95	2,5	2	9		25	65	15
	5			1					9		30	75	25
	5			1	2	1,95	2,5	2	9		30	75	25
	±0,75				+0,06/-0	+0/-0,06	±0,1	±0,1			±0,2	±0,2	±0,2
	8			1,5	3	2,95	3,5	3	13		42	105	25
	9			1,5	3	2,95	3,5	3	13		42	105	25
	±0,75				+0,06/-0	+0/-0,06	±0,1	±0,1			±0,2	±0,2	±0,2
7,5	6,5			1	3	2,95	3,5	3	9		30	75	25
6	7			1,5	3	2,95	3,5	3	13		42	105	25
7,9	8,5			1,5	3	2,95	3,5	3	13		43	90	30
8	7,5			1,5	3	2,95	3,5	3	13		43	90	30
		±0,75	±0,75		+0,06/-0	+0/-0,06	±0,1	±0,1		*	±0,2	±0,2	±0,2
5		4	6	1,5	2	1,95	2,5	2	10	24*	40	65	15
7,5		6	8,25	3	3	2,95	3,5	3	13	26*	50,8	81	27
10		7,9	11,1	3	6,4	6,37	7,14	6,35	13	26*	57,2	114,3	38,1
10		8	10	4	6,4	6,37	7,14	6,35	13	26*	57,2	114,3	38,1

* on demand

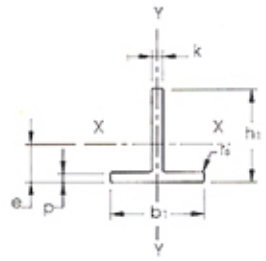
Technical Characteristics

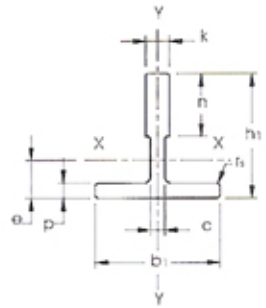
Monteferro Code	ISO Code	S cm^2	q_1 kg/m	e cm	I_{xx} cm^4	W_{xx} cm^3	i_{xx} cm	I_{yy} cm^4	W_{yy} cm^3	i_{yy} cm
RT40	----	3,4	2,95	1,26	5,35	1,95	1,25	2,17	1,08	0,8
RT45	T45/A	4,25	3,34	1,31	8,08	2,53	1,38	3,84	1,71	0,95
RT50	T50/A	4,75	3,73	1,43	11,24	3,15	1,54	5,25	2,1	1,05
RT70	T70-2/A	10,52	8,26	2,02	47,43	9,63	2,12	23,13	6,61	1,48
RT80	----	13,56	10,65	2,32	80,2	14,21	2,44	38,83	9,7	1,69
RF50	----	7,07	5,55	1,70	17,36	5,26	1,57	7,02	2,81	0,99
RF70	T70-1/A	9,51	7,47	2,04	41,3	9,24	2,09	18,65	5,35	1,40
RF70.9	——	11,25	8,83	2,11	52,81	10,79	2,16	24,62	7,03	1,48
RF75	T75-3/A	10,99	8,63	1,86	40,35	9,29	1,92	26,49	7,06	1,55
RF65	----	6,24	4,9	1,71	20,09	5,44	1,79	10,92	3,36	1,32
RF82	T82/A	10,9	8,55	1,98	49,4	10,2	2,13	30,5	7,4	1,67
RF89	T89/A	15,7	12,3	2,02	59,52	14,25	1,95	52,4	11,8	1,83
RF90	T90/A	17,25	13,55	2,61	102	20,87	2,43	52,6	11,8	1,75

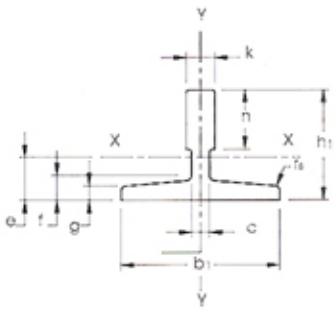
Standard Cold Drawn Guide Rails

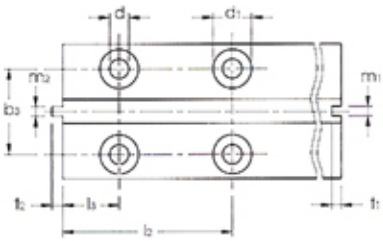
Reference Norm: ISO 7465: 1997(E) - Raw material: E 235 B (ISO 630: 1995), corresponding to Fe 360 B
Guide rail length: 5,000 mm ± 2mm. Different length according to Customer's requirements
Different guide rails sections and specifications: according to definition with Customers

Dimensions





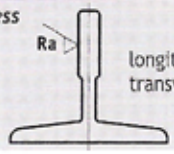




Monteferro Code	ISO Code	b₁ mm	h₁ mm	k mm	n mm
Tolerances		±0,5	±0,2	±0,15	
RT 40	—	40	40	5	
RT 45	T 45/A	45	45	5	
RT 45 M/F	—	45	45	5	
RT 50	T 50/A	50	50	5	
RT 50 M/F	—	50	50	5	
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RT 70	T 70-2/A	70	70	8	
RT 80	—	80	80	9	
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RF 50	—	50	50	9	35
RF 70	T 70-1/A	70	65	9	34
RF 70.9	—	70	70	9	35
RF 75	T 75-3/A	75	62	10	30
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RF 65	—	65	54	7,9	20
RF 82	T 82/A	82,5	68,25	9	25,4
RF 89	T 89/A	89	62	15,88	33,4
RF 90	T 90/A	90	75	16	42

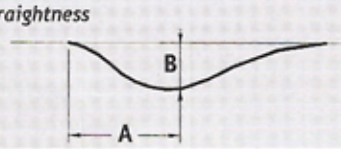
Key Factors

Blade roughness



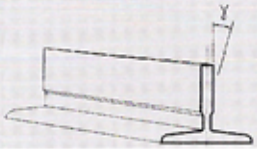
longitudinal $1,6 \le R_a \le 6,3\mu$
transversal $1,6 \le R_a \le 6,3\mu$

Straightness



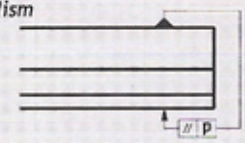
B/A = 0.001
B_{max} (5 m) = 2 mm
B_{min} = 0,5 mm

Twisting



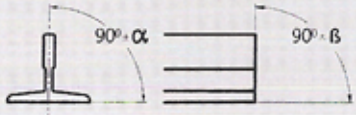
γ = 40'/m

Parallelism



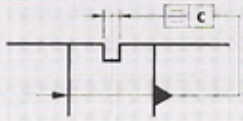
p = 0,15 mm

Perpendicularity



α = 10'
β = 15'

Tongue and groove centering



c = 0,1 mm