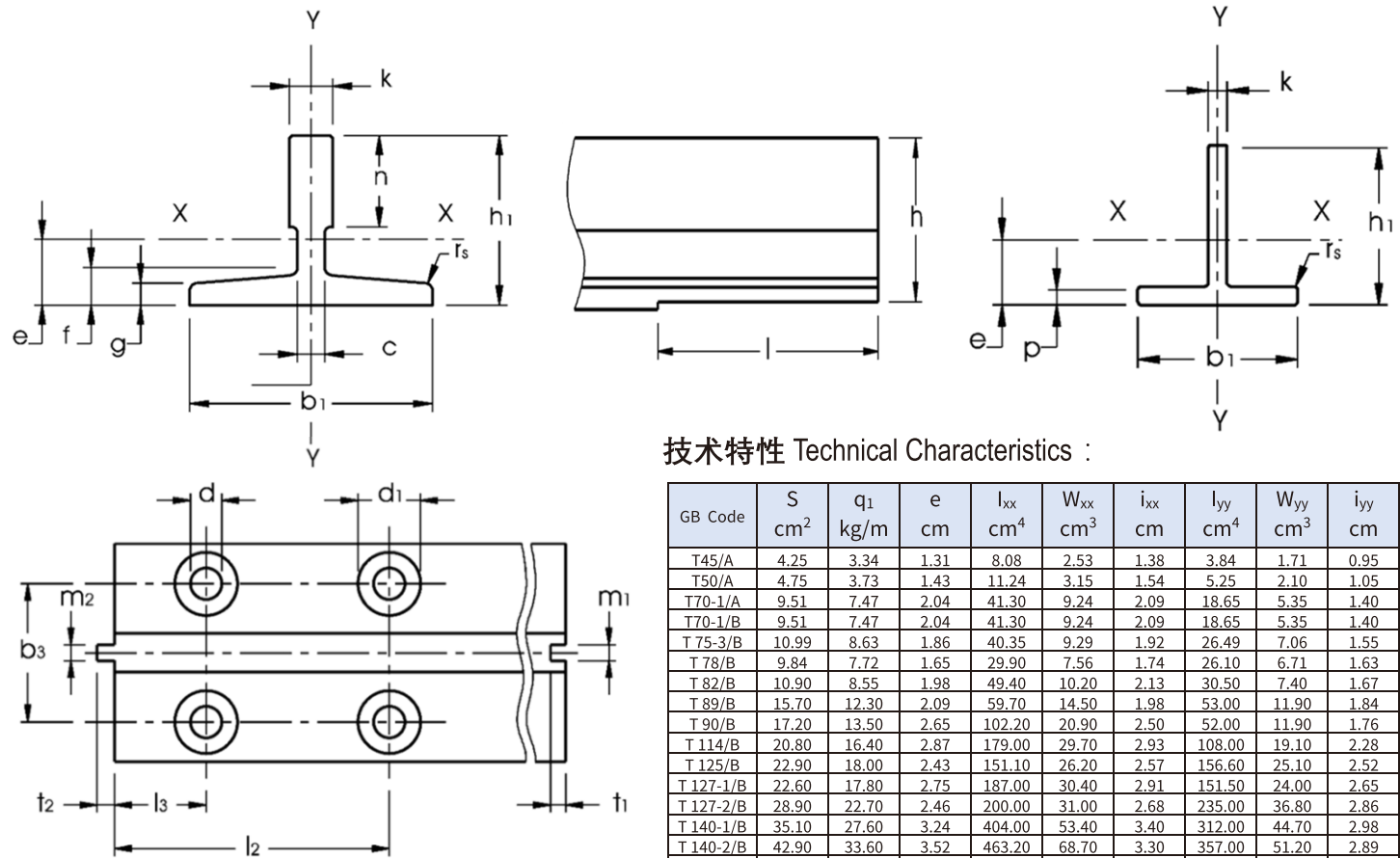


国标 (JG/T 5072. 1-1996) 标准导轨尺寸

Reference Norm: JG/T 5072.1-1996, Raw material:Q235 A (GB/T700), 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

GB-Designation	b ₁	h ₁	h	k	n	c	g	f	p	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±0.5	±0.2		±0.15					±0.5		+0.06/-0	+0/-0.06	±0.1	±0.1				±0.2	±0.2	±0.2
T45/A	45	45	—	5	—	—	—	—	5	1	2.00	1.95	2.50	2.00	—	9	—	25	65	15
T50/A	50	50	—	5	—	—	—	—	5	1	2.00	1.95	2.50	2.00	—	9	—	30	75	25
GB-Designation	b ₁	h ₁	h	k	n	c	g	f	p	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±1.5	±0.75	±0.1	+0.1/-0	+3/0		±0.75	±0.75			+0.06/-0	+0/-0.06	±0.1	±0.1	+3/0			±0.2	±0.2	±0.2
T70-1/A	70	65	—	9	34	6	6	8	—	1.5	3.00	2.95	3.50	3.00	—	13	26	42	105	25
T70-1/B	70	65	64	9	34	6	6	8	—	1.5	3.00	2.95	3.50	3.00	130	13	26	42	105	25
T75-3/B	75	62	61	10	30	8	7	9	—	3	3.00	2.95	3.50	3.00	123	13	26	43	90	30
T78/B	78	56	55	10	26	7	6	8.5	—	2.5	3.00	2.95	3.50	3.00	145	13	26	50	114	38
T82/B	82.5	68.25	66.6	9	25.4	7.5	6	8.25	—	3	3.00	2.95	3.50	3.00	111	13	26	50.8	81	27
T89/B	89	62	61	15.88	33.4	10	7.9	11.1	—	3	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T90/B	90	75	74	16	42	10	8	10	—	4	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T114/B	114	89	88	16	38	10	8	12	—	4	6.40	6.37	7.14	6.35	156	17	33	74	114.3	38.1
T125/B	125	82	81	16	42	10	9	12	—	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-1/B	127	88.9	88	15.88	44.5	10	7.9	11.1	—	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-2/B	127	88.9	88	15.88	50.8	10	12.7	15.9	—	5	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T140-1/B	140	108	107	19	50.8	12.7	12.7	15.9	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-2/B	140	102	101	28.6	50.8	17.5	14.5	17.5	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-3/B	140	127	126	31.75	57.2	19	17.5	25.4	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8



技术特性 Technical Characteristics :

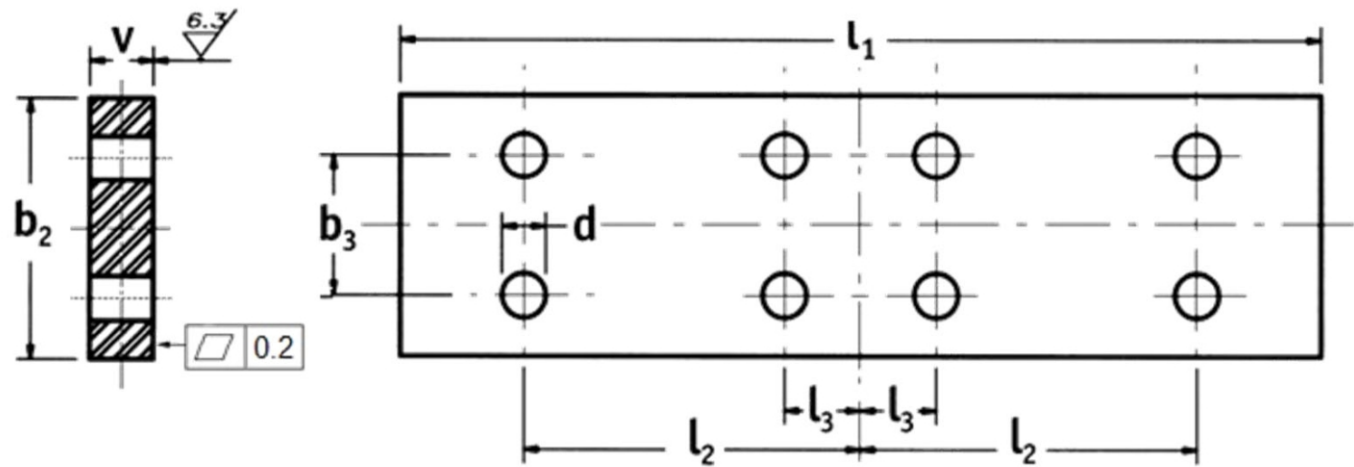
GB Code	S cm ²	q ₁ kg/m	e cm	I _{xx} cm ⁴	W _{xx} cm ³	i _{xx} cm	I _{yy} cm ⁴	W _{yy} cm ³	i _{yy} cm
T45/A	4.25	3.34	1.31	8.08	2.53	1.38	3.84	1.71	0.95
T50/A	4.75	3.73	1.43	11.24	3.15	1.54	5.25	2.10	1.05
T70-1/A	9.51	7.47	2.04	41.30	9.24	2.09	18.65	5.35	1.40
T70-1/B	9.51	7.47	2.04	41.30	9.24	2.09	18.65	5.35	1.40
T75-3/B	10.99	8.63	1.86	40.35	9.29	1.92	26.49	7.06	1.55
T78/B	9.84	7.72	1.65	29.90	7.56	1.74	26.10	6.71	1.63
T82/B	10.90	8.55	1.98	49.40	10.20	2.13	30.50	7.40	1.67
T89/B	15.70	12.30	2.09	59.70	14.50	1.98	53.00	11.90	1.84
T90/B	17.20	13.50	2.65	102.20	20.90	2.50	52.00	11.90	1.76
T114/B	20.80	16.40	2.87	179.00	29.70	2.93	108.00	19.10	2.28
T125/B	22.90	18.00	2.43	151.10	26.20	2.57	156.60	25.10	2.52
T127-1/B	22.60	17.80	2.75	187.00	30.40	2.91	151.50	24.00	2.65
T127-2/B	28.90	22.70	2.46	200.00	31.00	2.68	235.00	36.80	2.86
T140-1/B	35.10	27.60	3.24	404.00	53.40	3.40	312.00	44.70	2.98
T140-2/B	42.90	33.60	3.52	463.20	68.70	3.30	357.00	51.20	2.89
T140-3/B	57.30	45.00	4.42	947.00	114.30	4.10	467.00	66.90	2.86

High Quality guide rails 高精度BE导轨(JG/T 5072.1-1996)

尺寸表 Dimensions :

GB-Designation	b ₁	h ₁	h	k	n	c	g	f	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±1.5	±0.75	±0.05	+0.05/-0	+3/0		±0.75	±0.75		+0.03/-0	+0/-0.03	±0.1	±0.1	+3/0			±0.2	±0.2	±0.2
T89/BE	89	62	61	15.88	33.4	10	7.9	11.1	3	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T90/BE	90	75	74	16	42	10	8	10	4	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T114/BE	114	89	88	16	38	10	8	12	4	6.40	6.37	7.14	6.35	156	17	33	74	114.3	38.1
T125/BE	125	82	81	16	42	10	9	12	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-1/BE	127	88.9	88	15.88	44.5	10	7.9	11.1	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-2/BE	127	88.9	88	15.88	50.8	10	12.7	15.9	5	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T140-1/BE	140	108	107	19	50.8	12.7	12.7	15.9	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-2/BE	140	102	101	28.6	50.8	17.5	14.5	17.5	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-3/BE	140	127	126	31.75	57.2	19	17.5	25.4	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8

JG/T 5072. 1-1996 配套连接板 Matching Fishplate

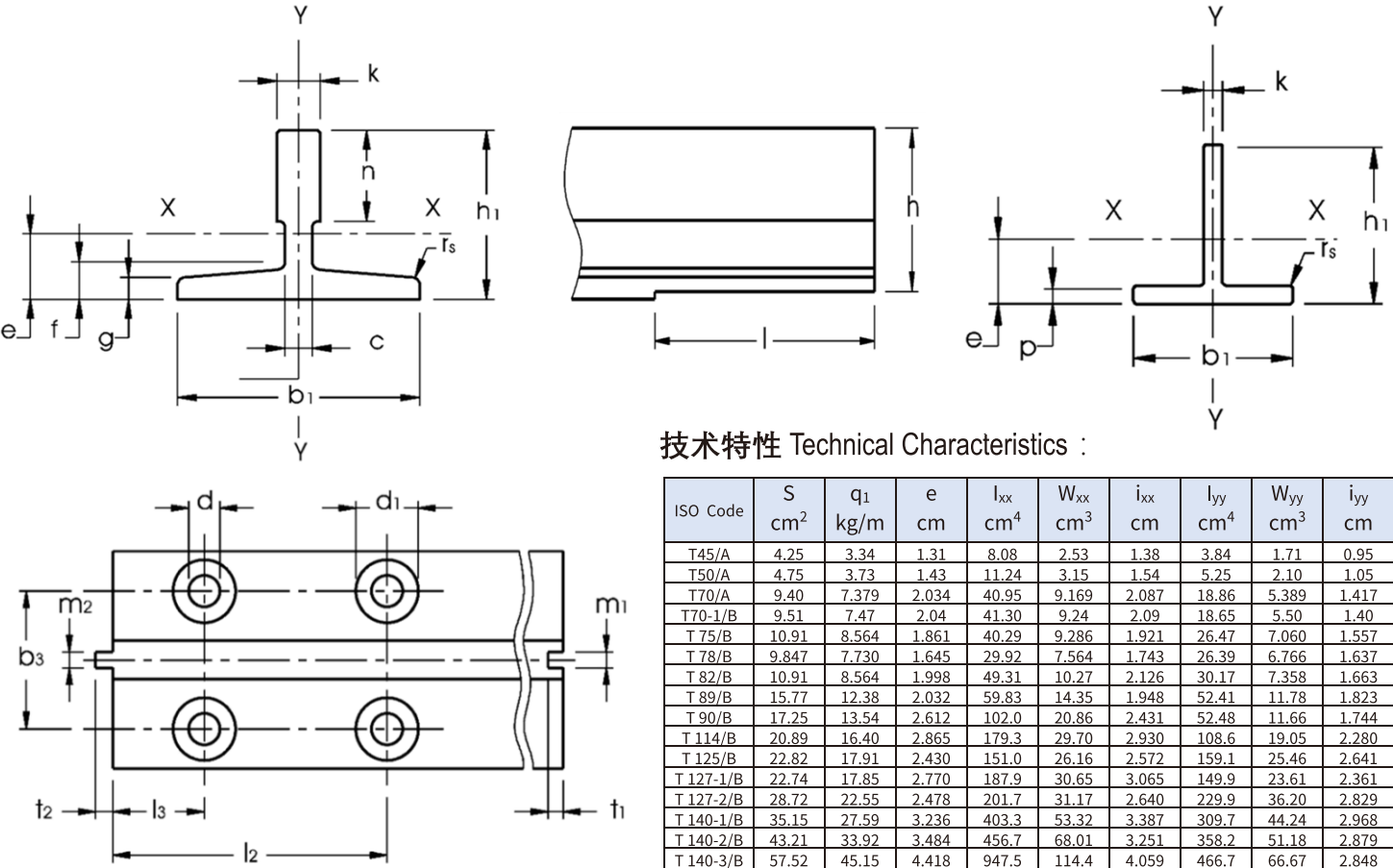


GB Code	d mm	b ₂ mm	l ₁ mm	l ₃ mm	l ₂ mm	b ₃ mm	v * mm	bolt size
Tolerances 公差		±1.5	±1.5	±0.2	±0.2	±0.2	-0/+2	
T45/A	9	50	160	15	65	25	8	M 8x25
T50/A	9	50	200	25	75	30	8	M 8x25
T70/AB	13	70	250	25	105	42	8.5	M 12x35
T75/B	13	75	240	30	90	43	8.5	M 12x35
T78/B	13	78	280	38	114	50	10	M 12x35
T82/B	13	80	216	27	81	50.8	8.5	M 12x40
T89/B	13	90	305	38.1	114.3	57.2	13	M 12x40
T90/B	13	90	305	38.1	114.3	57.2	13	M 12x40
T114/B	17	115	305	38.1	114.3	74	17	M 16x50
T125/B	17	130	305	38.1	114.3	79.4	17	M 16x50
T127-1/B	17	130	305	38.1	114.3	79.4	17	M 16x50
T127-2/B	17	130	305	38.1	114.3	79.4	17	M 16x55
T140-1/B	21	140	380	31.8	152.4	92.1	25	M 20x65
T140-2/B	21	140	380	31.8	152.4	92.1	25	M 20x65
T140-3/B	21	140	380	31.8	152.4	92.1	30	M 20x75

新国标/ISO（GB/T22562-2008、ISO 7465:2007）标准导轨尺寸

Reference Norm: GB/T22562-2008、ISO 7465:2007， Raw material:Q235 A (GB/T700), 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

ISO-Designation	b ₁	h ₁	h	k	n	c	g	f	p	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±1.0	±0.2		±0.15					±0.5		+0.06/-0	+0/-0.06	±0.1	±0.1				±0.2	±0.2	±0.2
T45/A	45	45	—	5	—	—	—	—	5	1	2.00	1.95	2.50	2.00	—	9	—	25	65	15
T50/A	50	50	—	5	—	—	—	—	5	1	2.00	1.95	2.50	2.00	—	9	—	30	75	25
ISO-Designation	b ₁	h ₁	h	k	n	c	g	f	p	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±1.5	±0.75	±0.1	+0.1/-0	+3/0		±0.75	±0.75			+0.06/-0	+0/-0.06	±0.1	±0.1	+3/0			±0.2	±0.2	±0.2
T70/A	70	65	—	9	34	6	6	8	—	1.5	3.00	2.97	3.50	3.00	—	13	26	42	105	25
T70-1/B	70	66	65	9	34	6	6	8	—	1.5	3.00	2.97	3.50	3.00	130	13	26	42	105	25
T75/B	75	62	61	10	30	8	7	9	—	3	3.00	2.97	3.50	3.00	138	13	26	42	105	25
T78/B	78	56	55	10	26	7	6	8.5	—	2.5	3.00	2.97	3.50	3.00	138	13	26	42	105	25
T82/B	82	68.25	66.6	9	34	7.5	6	8	—	3	3.00	2.97	3.50	3.00	111	13	26	50.8	81	27
T89/B	89	62	61	16	34	10	7.9	11.1	—	3	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T90/B	90	75	74	16	42	10	8	10	—	4	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T114/B	114	89	88	16	38	9.5	8	11	—	4	6.40	6.37	7.14	6.35	156	17	33	70	114.3	38.1
T125/B	125	82	81	16	42	10	8	12	—	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-1/B	127	89	88	16	45	10	8	11	—	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-2/B	127	89	88	16	51	10	12.7	15.9	—	5	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T140-1/B	140	108	107	19	51	12.7	12.7	15.9	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-2/B	140	102	101	28.6	51	17.5	14.5	17.5	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-3/B	140	127	126	31.75	57	19	17.5	25.4	—	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8



技术特性 Technical Characteristics :

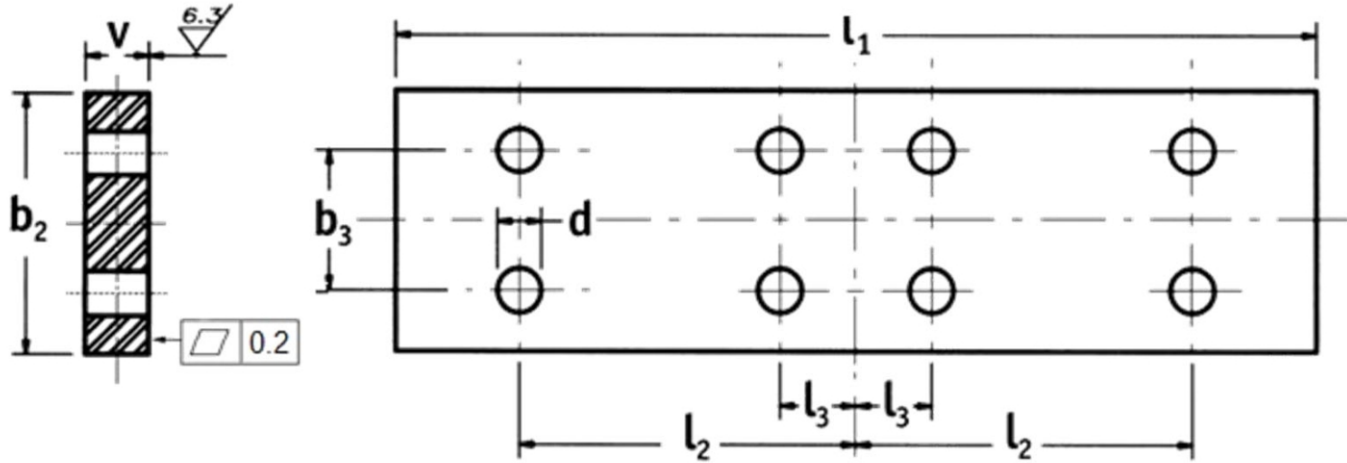
ISO Code	S cm ²	q ₁ kg/m	e cm	I _{xx} cm ⁴	W _{xx} cm ³	i _{xx} cm	I _{yy} cm ⁴	W _{yy} cm ³	i _{yy} cm
T45/A	4.25	3.34	1.31	8.08	2.53	1.38	3.84	1.71	0.95
T50/A	4.75	3.73	1.43	11.24	3.15	1.54	5.25	2.10	1.05
T70/A	9.40	7.379	2.034	40.95	9.169	2.087	18.86	5.389	1.417
T70-1/B	9.51	7.47	2.04	41.30	9.24	2.09	18.65	5.50	1.40
T75/B	10.91	8.564	1.861	40.29	9.286	1.921	26.47	7.060	1.557
T78/B	9.847	7.730	1.645	29.92	7.564	1.743	26.39	6.766	1.637
T82/B	10.91	8.564	1.998	49.31	10.27	2.126	30.17	7.358	1.663
T89/B	15.77	12.38	2.032	59.83	14.35	1.948	52.41	11.78	1.823
T90/B	17.25	13.54	2.612	102.0	20.86	2.431	52.48	11.66	1.744
T114/B	20.89	16.40	2.865	179.3	29.70	2.930	108.6	19.05	2.280
T125/B	22.82	17.91	2.430	151.0	26.16	2.572	159.1	25.46	2.641
T127-1/B	22.74	17.85	2.770	187.9	30.65	3.065	149.9	23.61	2.361
T127-2/B	28.72	22.55	2.478	201.7	31.17	2.640	229.9	36.20	2.829
T140-1/B	35.15	27.59	3.236	403.3	53.32	3.387	309.7	44.24	2.968
T140-2/B	43.21	33.92	3.484	456.7	68.01	3.251	358.2	51.18	2.879
T140-3/B	57.52	45.15	4.418	947.5	114.4	4.059	466.7	66.67	2.848

High Quality guide rails 高精度BE导轨(GB/T22562-2008、ISO 7465:2007)

尺寸表 Dimensions :

GB-Designation	b ₁	h ₁	h	k	n	c	g	f	r _s	m ₁	m ₂	t ₁	t ₂	l	d	d ₁	b ₃	l ₂	l ₃
Tolerances 公差	±1.5	±0.75	±0.05	+0.05/-0	+3/0		±0.75	±0.75		+0.03/-0	+0/-0.03	±0.1	±0.1	+3/0			±0.2	±0.2	±0.2
T89/BE	89	62	61	16	34	10	7.9	11.1	3	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T90/BE	90	75	74	16	42	10	8	10	4	6.40	6.37	7.14	6.35	156	13	26	57.2	114.3	38.1
T114/BE	114	89	88	16	38	9.5	8	11	4	6.40	6.37	7.14	6.35	156	17	33	70	114.3	38.1
T125/BE	125	82	81	16	42	10	8	12	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-1/BE	127	89	88	16	45	10	8	11	4	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T127-2/BE	127	89	88	16	51	10	12.7	15.9	5	6.40	6.37	7.14	6.35	156	17	33	79.4	114.3	38.1
T140-1/BE	140	108	107	19	51	12.7	12.7	15.9	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-2/BE	140	102	101	28.6	51	17.5	14.5	17.5	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8
T140-3/BE	140	127	126	31.75	57	19	17.5	25.4	5	6.40	6.37	7.14	6.35	193	21	40	92.1	152.4	31.8

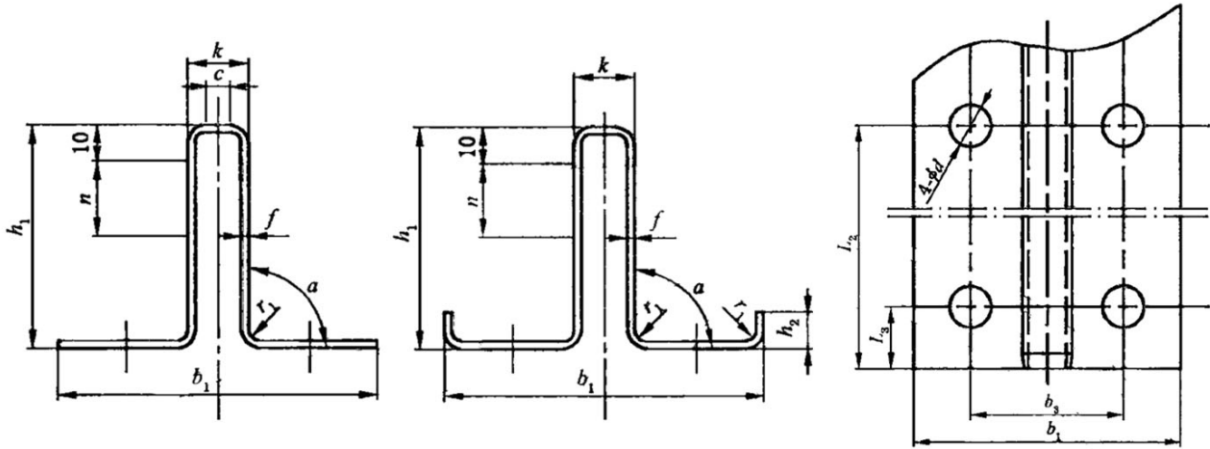
GB/T22562-2008、ISO 7465:2007 配套连接板 Matching Fishplate



ISO Code	d mm	b ₂ mm	l ₁ mm	l ₃ mm	l ₂ mm	b ₃ mm	v * mm	bolt size
Tolerances 公差		±1.5	-0/+3	±0.2	±0.2	±0.2	-0/+2	
T45/A	9	50	160	15	65	25	8	M 8x25
T50/A	9	50	200	25	75	30	8	M 8x25
T70/AB	13	70	250	25	105	42	10	M 12x35
T75/B	13	70	250	25	105	42	10	M 12x35
T78/B	13	70	250	25	105	42	10	M 12x35
T82/B	13	80	216	27	81	50.8	10	M 12x40
T89/B	13	90	305	38.1	114.3	57.2	13	M 12x40
T90/B	13	90	305	38.1	114.3	57.2	13	M 12x40
T114/B	17	120	305	38.1	114.3	70	18	M 16x50
T125/B	17	130	305	38.1	114.3	79.4	18	M 16x50
T125/BE	17	130	305	38.1	114.3	79.4	28	M 16x60
T127-1/B	17	130	305	38.1	114.3	79.4	18	M 16x50
T127-1/BE	17	130	305	38.1	114.3	79.4	28	M 16x60
T127-2/B	17	130	305	38.1	114.3	79.4	18	M 16x50
T127-2/BE	17	130	305	38.1	114.3	79.4	28	M 16x60
T140-1/B	21	140	380	31.8	152.4	92.1	28	M 20x65
T140-1/BE	21	140	380	31.8	152.4	92.1	38	M 20x75
T140-2/B	21	140	380	31.8	152.4	92.1	28	M 20x65
T140-2/BE	21	140	380	31.8	152.4	92.1	38	M 20x75
T140-3/B	21	140	380	31.8	152.4	92.1	38	M 20x75
T140-3/BE	21	140	380	31.8	152.4	92.1	48	M 20x85

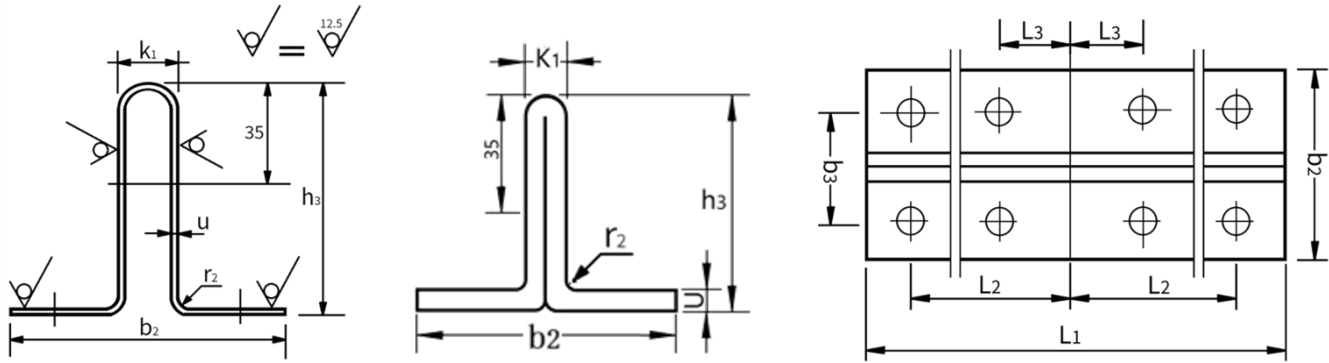
欣科空心导轨尺寸(参照JG/T5072. 3-1996及主要客户要求)

Refer to JG/T5072.3-1996 and the requirements of major customer standards , Raw material: Q235 B (GB/T700), Guide rail length: 5,000 mm ± 3mm. Different length according to Customer's requirements Different guide rails sections and specifications: according to definition with Customers



代码 Code	b ₁	k	h ₁	d	f	L ₃	L ₂	b ₃	α	n	r ₁	c
Tolerances 公差	±1.0	±0.4	±0.3		+0.20 -0.15	+0 -0.5	±0.5	±0.5	+60 / +20 /			
TK3(2.0mm)	87	16.4	60	14	2.00	20	180	50	90°	25	3	≥1.8
TK3(2.2mm)	87	16.4	60	14	2.20	20	180	50	90°	25	3	≥1.8
TK5(2.75mm)	87	16.4	60	14	2.75	20	180	50	90°	25	3	≥1.8
TK5(3.0mm)	87	16.4	60	14	3.00	20	180	50	90°	25	3	≥1.8
TK5(3.2mm)	87	16.4	60	14	3.20	20	180	50	90°	25	3	≥1.8
代码 Code	b ₁	k	h ₁	d	f	L ₃	L ₂	b ₃	α	n	r ₁	h ₂
Tolerances 公差	±1.0	±0.4	±0.3		+0.20 -0.15	±0.3	±0.5	±0.5	+60 / +20 /			±1.0
TK3A(2.0mm)	78	16.4	60	11.5	2.00	25	75	45	90°	25	3	10
TK3A(2.2mm)	78	16.4	60	11.5	2.20	25	75	45	90°	25	3	10
TK5A(2.75mm)	78	16.4	60	11.5	2.75	25	75	45	90°	25	3	10
TK5A(3.0mm)	78	16.4	60	11.5	3.00	25	75	45	90°	25	3	10

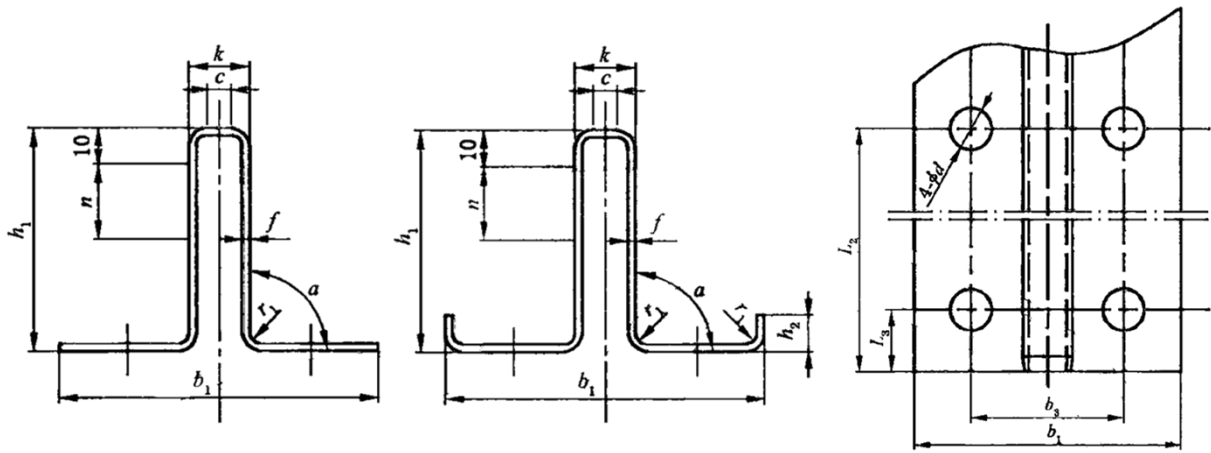
配套连接板 Matching Fishplate



代码 Code	b ₂	h ₃	K ₁	U	d	L ₁	L ₃	L ₂	b ₃	r ₂
Tolerances公差	±1.0					±1.5	±0.3	±0.5	±0.5	
LK3	87	50±1.0	12.5±0.3	3.0	14	400	20	180	50	3
LK5	88	59±1.0	10 ⁺⁰ _{-0.3}	4.5	14	400	20	180	50	5
LK3A	78	59 ^{+0.5} ₋₀	11.4 ⁺⁰ _{-0.4}	4.0	11.5	200	25	75	45	5
LK5A	78	56±0.5	10 ⁺⁰ _{-0.6}	4.0	11.5	200	25	75	45	5

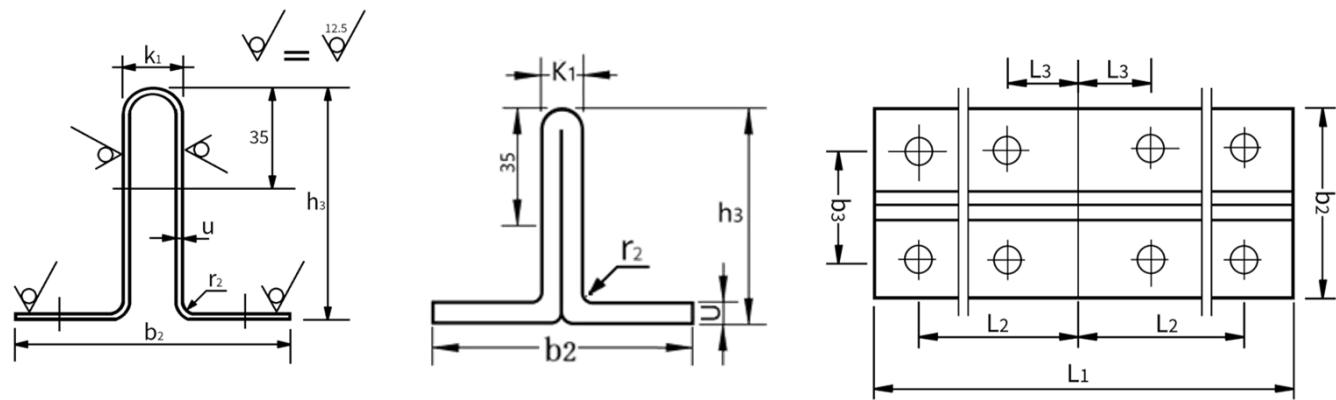
新国标 (GB/T30977-2014) 标准导轨尺寸

Reference Norm: GB/T30977-2014, Raw material: Q235 B (GB/T700), Guide rail length: 5,000 mm ± 3mm. Different length according to Customer's requirements Different guide rails sections and specifications: according to definition with Customers



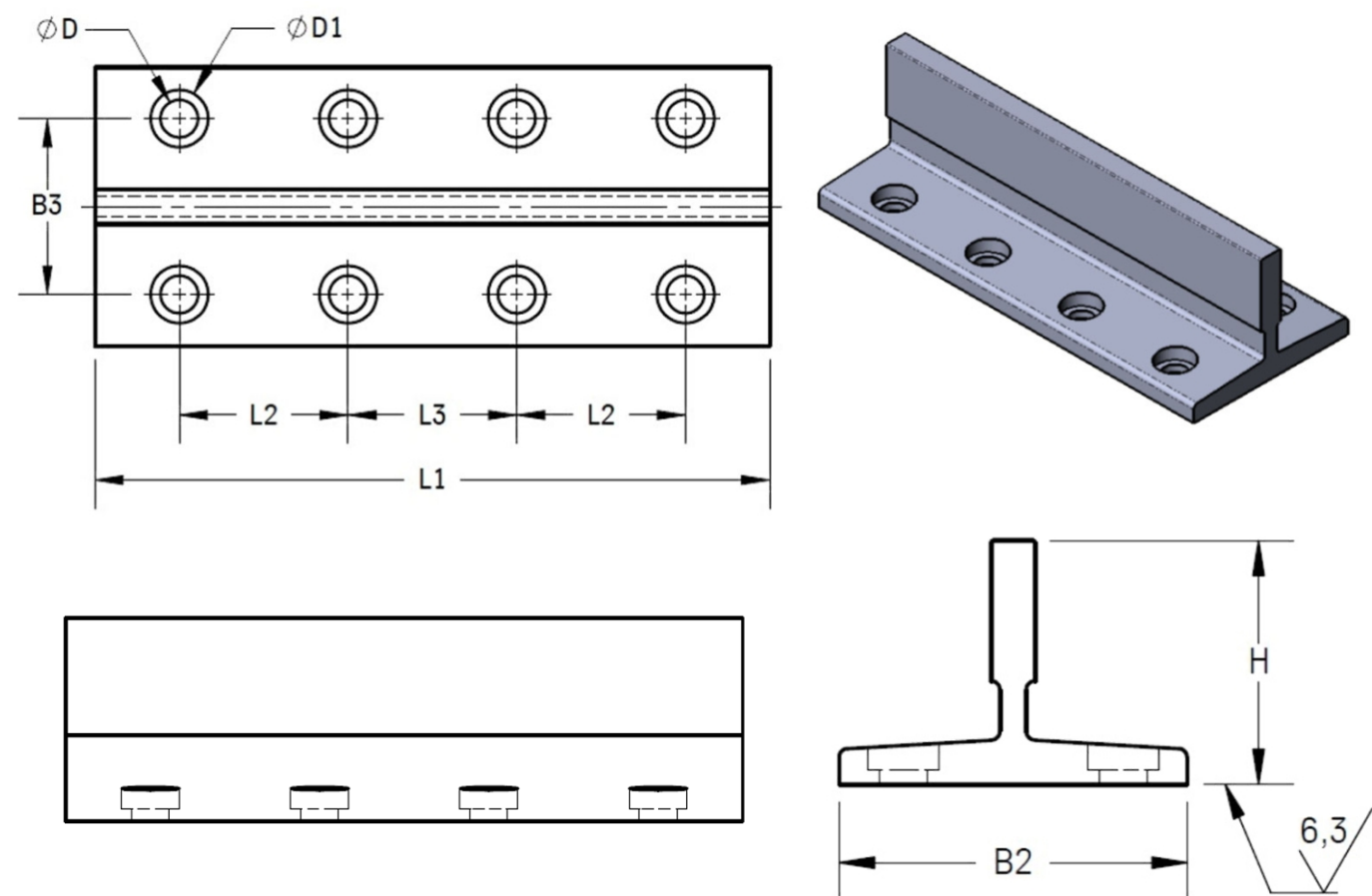
代码 Code	b ₁	k	h ₁	h ₂	d	f	L ₃	L ₂	b ₃	α	n	r ₁	c
Tolerances 公差	±1.0	±0.4	+0 -0.5			+0.20 -0.15	±0.3	±0.5	±0.5	+60 / +20 /			
TK3	87	16.4	60	—	14	2.00	20	180	50	90°	25	3	≥1.8
TK5	87	16.4	60	—	14	3.00	20	180	50	90°	25	3	≥1.8
TK3A	78	16.4	60	10	11.5	2.20	25	75	44	90°	25	3	10
TK5A-1	78	16.4	60	10	11.5	3.00	25	75	44	90°	25	3	10
TK5A	78	16.4	60	10	11.5	3.20	25	75	44	90°	25	3	10

配套连接板 Matching Fishplate



代码 Code	b ₂	h ₃	K ₁	U	d	L ₁	L ₃	L ₂	b ₃	r ₂
Tolerances公差	±1.0		±0.2			±1.5	±0.3	±0.5	±0.5	
LK3	87	50	12	3.0	14	400	20	180	50	4
LK5	87	58	10	4.5	14	400	20	180	50	5
LK3A	78	50	12	3.0	11.5	200	25	75	44	4
LK5A-1	78	58	10.4	4.5	11.5	200	25	75	44	5
LK5A	78	58	10	4.5	11.5	200	25	75	44	5

T型导轨连接板 T-shaped guide rail Fishplate



Code Tolerances	B2	D	D1	L1	L2	L3	B3	H
	±1.5			±1.5	±0.2	±0.2	±0.2	
T75	75	13	26	240	60	60	43	61
T89	89	13	26	305	76.2	76.2	57.2	61
T127-1	127	17	33	305	76.2	76.2	79.4	88
T127-2	127	17	33	305	76.2	76.2	79.4	88
T140-1	140	21	40	380	120.6	63.6	92.1	107
T140-2	140	21	40	380	120.6	63.6	92.1	101
T140-3	140	21	40	380	120.6	63.6	92.1	126

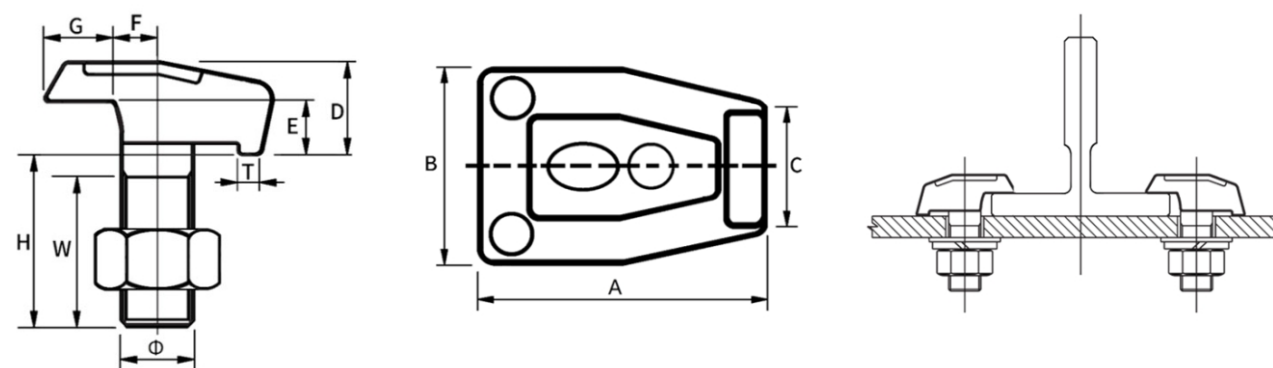
注：导轨型连接板材料以毛坯要求为准

Note: The material of the guide rail type Fishplate shall be subject to the requirements of the blank

导轨压板 Guide rails Clips

T-Clips T型压板

Code Tolerances	Applicable Guide Rail Size	Φ	A	B	C	D	E	F	G	H	W	T
			±1.5	±1.5	±1.5	±1	±1	±0.8	±1	±1.3	±1.3	±0.5
T1	T45,T50	M10	32	22	15	12	5.5	5	11	25	23	3
T2	T70,T75,T78, T82	M12	39	26	19	15	7.3	6.5	13	30	27	4
T3	T89,T90	M14	45	29	21	18.5	9.5	8	13	38	34	4
T4	T114,T125, T127-1,T127-2	M16	50	34	22	20.5	10.5	8.5	15	44	40	5
T5	T140-1.T140-2	M18	55	37	23	23	13	11	17	46	42	5



Forged-Clips 锻造压板

Code	A	B	C	D	E	F	G	H	I	J	K	L	M
T75	30	36	16.5	11	5.5	11	15	15	10	3	3	4.5	4
T89	32	38	19	13	6	12	16	16	11	3	3	6	5
127-1	50	50	25	17	8	15	22	22	14	3	5	7.5	5
127-2	50	50	25	17	8	15	22	25	17	4.5	5	8	8

