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电梯导轨专家
Professional in Lift Guide Rails

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01 实心导轨

Solid Guide Rails

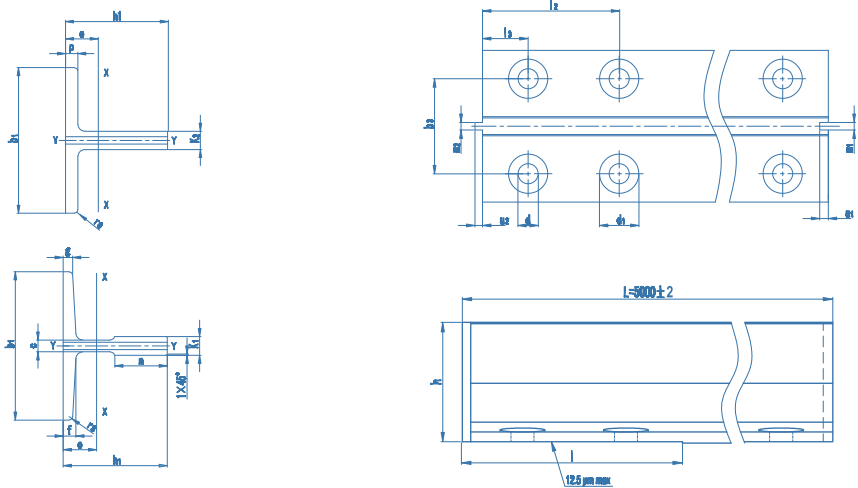
实心导轨

Solid guide rails

实心导轨系列产品：采用自动流水线，包括数控龙创或高速拉床、数控金加工线、自动矫直整形线等，各种产品规格齐全，现已形成普通、中速、高速和超高速四大系列。

Solid guide rail series are produced by entire automatic process with numerical planers or high speed broaching planers, numerical machining lines, automatic straightening lines, with full range of specifications of low rise, medium rise, high rise and super high rise series.





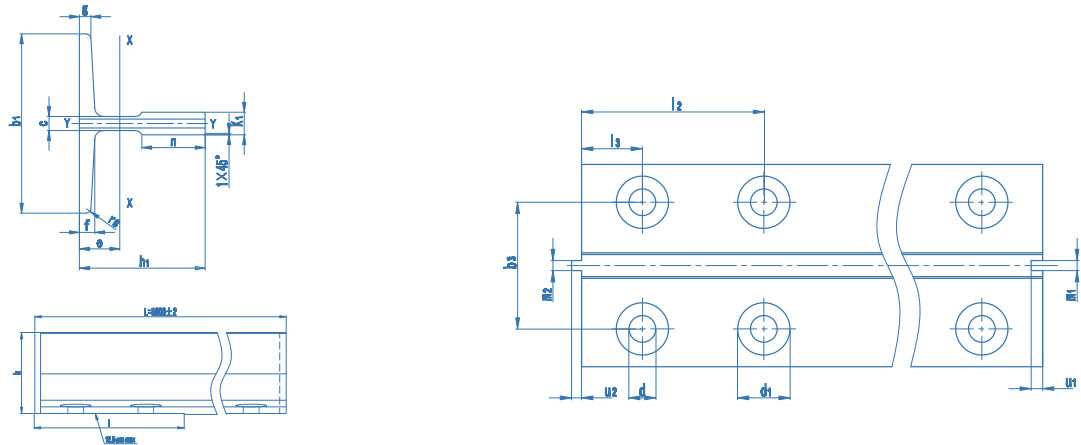
符合ISO7465标准, 适用电梯运行速度<2米/秒以下
Complying with ISO7465, suitable for lifts with speed less than 2 m/s

Dimensions(mm) / 规格(mm)																				
Designation	b $\pm$ 1	h $\pm$ 0.2		k $\pm$ 0.15	n $\begin{smallmatrix} +3 \\ -0 \end{smallmatrix}$	c	g $\pm$ 0.75	p $\pm$ 0.5	rs	m $\begin{smallmatrix} +0.06 \\ -0 \end{smallmatrix}$	m $\begin{smallmatrix} +0 \\ -0.06 \end{smallmatrix}$	u $\pm$ 0.10	u $\pm$ 0.10	d	d $_1$	b $\pm$ 0.20	l $_{2g} \pm$ 0.20	l $_{3g} \pm$ 0.20	l $\begin{smallmatrix} +3 \\ -0 \end{smallmatrix}$	
Cold drawn	T45/A	45	45		5			5	1	2	1.97	2.5	2	9		25				
	T50/A	50	50		5			5	1	2	1.97	2.5	2	9		30				
		b $\pm$ 1.5	h $\pm$ 0.75	h $\pm$ 0.1	k $\begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	n $\begin{smallmatrix} +3 \\ -0 \end{smallmatrix}$	c	g $\pm$ 0.75	f $\pm$ 0.75	rs	m $\begin{smallmatrix} +0.06 \\ -0 \end{smallmatrix}$	m $\begin{smallmatrix} +0 \\ -0.06 \end{smallmatrix}$	u $\pm$ 0.10	u $\pm$ 0.10	d	d $_1$	b $_3$	l $_{2g}$	l $_{3g}$	l $\begin{smallmatrix} +3 \\ -0 \end{smallmatrix}$
	T65/A	65	54		7.9	20	5	4	5.8	3	2	1.97	2.5	2	10.5		40	65	15	
	T70/A	70	65		9	34	6	6	8	1.5	3	2.97	3.5	3	13	26	42	105	25	
Machined	T70/B	70	65	64	9	34	6	6	8	1.5	3	2.97	3.5	3	13	26	42	105	25	138
	T75/B	75	62	61	10	30	8	7	9	3	3	2.97	3.5	3	13	26	42	105	25	138
	T78/B	78	56	55	10	26	7	6	8.5	2.5	3	2.97	3.5	3	13	26	42	105	25	138
	T82/B	82	68	66.6	9	34	7.5	6	8.25	3	3	2.97	3.5	3	13	26	50.8	81	27	111
	T89/B	89	62	61	16	34	10	7.9	11.1	3	6.4	6.37	7.14	6.35	13	26	57.2	114.3	38.1	156
	T90/B	90	75	74	16	42	10	8	10	4	6.4	6.37	7.14	6.35	13	26	57.2	114.3	38.1	156
	T114/B	114	89	88	16	38	9.5	8	11	4	6.4	6.37	7.14	6.35	17	33	70	114.3	38.1	156
	T125/B	125	82	81	16	42	10	8	12	4	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
	T127-1/B	127	89	88	16	45	10	8	11	4	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
	T127-2/B	127	89	88	16	51	10	12.7	15.9	5	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
	T140-1/B	140	108	107	19	51	12.7	12.7	15.9	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193
	T140-2/B	140	102	101	28.6	51	17.5	14.5	17.5	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193
	T140-3/B	140	127	126	31.75	57	19	17.5	25.4	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193



Technical Characteristics / 技术特性									
Designation	S cm ²	q ₁ kg/m	E cm	I _{x-x} cm ⁴	W _{x-x} cm ³	i _{x-x} cm	I _{y-y} cm ⁴	W _{y-y} cm ³	i _{y-y} 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	2.1	1.05
T65/A	6.24	4.9	1.71	20.09	5.44	1.79	10.92	3.36	1.32
T70/A	9.4	7.379	2.034	40.95	9.169	2.087	18.86	5.389	1.417
T70/B	9.51	7.47	2.04	41.30	9.24	2.09	18.65	5.35	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	7.73	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	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	151.00	26.16	2.572	159.1	25.46	2.641
T127-1/B	22.74	17.85	2.77	187.90	30.65	3.065	149.9	23.61	2.361
T127-2/B	28.72	22.55	2.478	201.70	31.17	2.64	229.90	36.20	2.829
T140-1/B	35.15	27.59	3.236	403.30	53.32	3.387	309.70	44.24	2.968
T140-2/B	43.21	33.92	3.484	456.70	68.01	3.251	358.20	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

Key factors of guide rails / 导轨重要参数				
Designation		Parameter	Tolerance	
			Cold drawn	Machined
Straightness / 直线度		f / m max.	0.7 mm	0.5 mm
		f / 5m max.	3.5 mm	2.5 mm
Centering / 对称度		a-b	0.10 mm	≤ 0.1 mm
Guide height / 导轨高度		h	—	±0.1 mm
Parallelism / 平行度		h - h2	—	≤ 0.2 mm
Max Clearance for connection / 对接最大间隙		C max.	0.15 mm	0.15mm
Roughness / 粗糙度		Ra Long.	1.6 ~ 6.3µm	1.6 µm max.
		Ra Transv.	1.6 ~ 6.3µm	0.8 ~ 3.2µm
Twist / 扭曲度		R max.	2 mm/5 m	2.5mm/5m
Angle / 垂直度		s1	±0.10 mm	±0.1 mm
		s2	±0.20 mm	±0.2 mm
		s3	±0.20 mm	±0.2 mm



符合ISO7465标准, 适用电梯运行速度 $2\text{m/s} \leq v \leq 4\text{m/s}$
Complying with ISO7465, suitable for lifts with speed from $2\text{m/s} \leq v \leq 4\text{m/s}$



Dimensions(mm) / 规格(mm)																			
Designation	b1±1.5	h1±0.75	h±0.05	k ^{+0.05} ₋₀	n ⁺³ ₋₀	c	g±0.75	f±0.75	rs	m1 ^{+0.03} ₋₀	m2 ⁺⁰ _{-0.03}	u1±0.10	u2±0.10	d	d1	b3	l2g	l3g	l ⁺³ ₋₀
T89/BE	89	62	61	16	34	10	7.9	11.1	3	6.4	6.37	7.14	6.35	13	26	57.2	114.3	38.1	156
T90/BE	90	75	74	16	42	10	8	10	4	6.4	6.37	7.14	6.35	13	26	57.2	114.3	38.1	156
T114/BE	114	89	88	16	38	9.5	8	11	4	6.4	6.37	7.14	6.35	17	33	70	114.3	38.1	156
T125/BE	125	82	81	16	42	10	8	12	4	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
T127-1/BE	127	89	88	16	45	10	8	11	4	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
T127-2/BE	127	89	88	16	51	10	12.7	15.9	5	6.4	6.37	7.14	6.35	17	33	79.4	114.3	38.1	156
T140-1/BE	140	108	107	19	51	12.7	12.7	15.9	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193
T140-2/BE	140	102	101	28.6	51	17.5	14.5	17.5	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193
T140-3/BE	140	127	126	31.75	57	19	17.5	25.4	5	6.4	6.37	7.14	6.35	21	40	92.1	152.4	31.8	193

Technical Characteristics / 技术特性									
Designation	S	q ₁	E	I _{x-x}	W _{x-x}	i _{x-x}	I _{y-y}	W _{y-y}	i _{y-y}
	cm ²	kg/m	cm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
T 89/BE	15.77	12.38	2.032	59.83	14.35	1.948	52.41	11.78	1.823
T 90/BE	17.25	13.54	2.612	102	20.86	2.431	52.48	11.66	1.744
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T 125/BE	22.82	17.91	2.430	151.00	26.16	2.572	159.1	25.46	2.641
T 127 - 1/BE	22.74	17.85	2.77	187.90	30.65	3.065	149.9	23.61	2.361
T 127 - 2/BE	28.72	22.55	2.478	201.70	31.17	2.64	229.90	36.20	2.829
T 140 - 1/BE	35.15	27.59	3.236	403.30	53.32	3.387	309.70	44.24	2.968
T 140 - 2/BE	43.21	33.92	3.484	456.70	68.01	3.251	358.20	51.18	2.879
T 140 - 3/BE	57.52	45.15	4.418	947.5	114.4	4.059	466.7	66.67	2.848

Key factors of guide rails / 导轨重要参数			
Designation		Parameter	Machined
			Tolerance
Straightness / 直线度		f / m max.	0.2 mm
		f / 5m max.	1 mm
Centering / 对称度		a-b	≤ 0.05mm
Guide height / 导轨高度		h	±0.05mm
Parallelism / 平行度		h - h2	≤ 0.1 mm
Max Clearance for connection / 对接最大间隙		C max.	0.09mm
Roughness / 粗糙度		Ra Long.	1.6 μm max.
		Ra Transv.	0.8 μm ~ 3.2 μm
Twist / 扭曲度		R max.	1mm / 5 m
Angle / 垂直度		s1	±0.05mm
		s2	±0.1 mm
		s3	±0.1 mm