



JADE
ELEVATOR

Our Guide Rails is
Backbone of
Elevator Industries

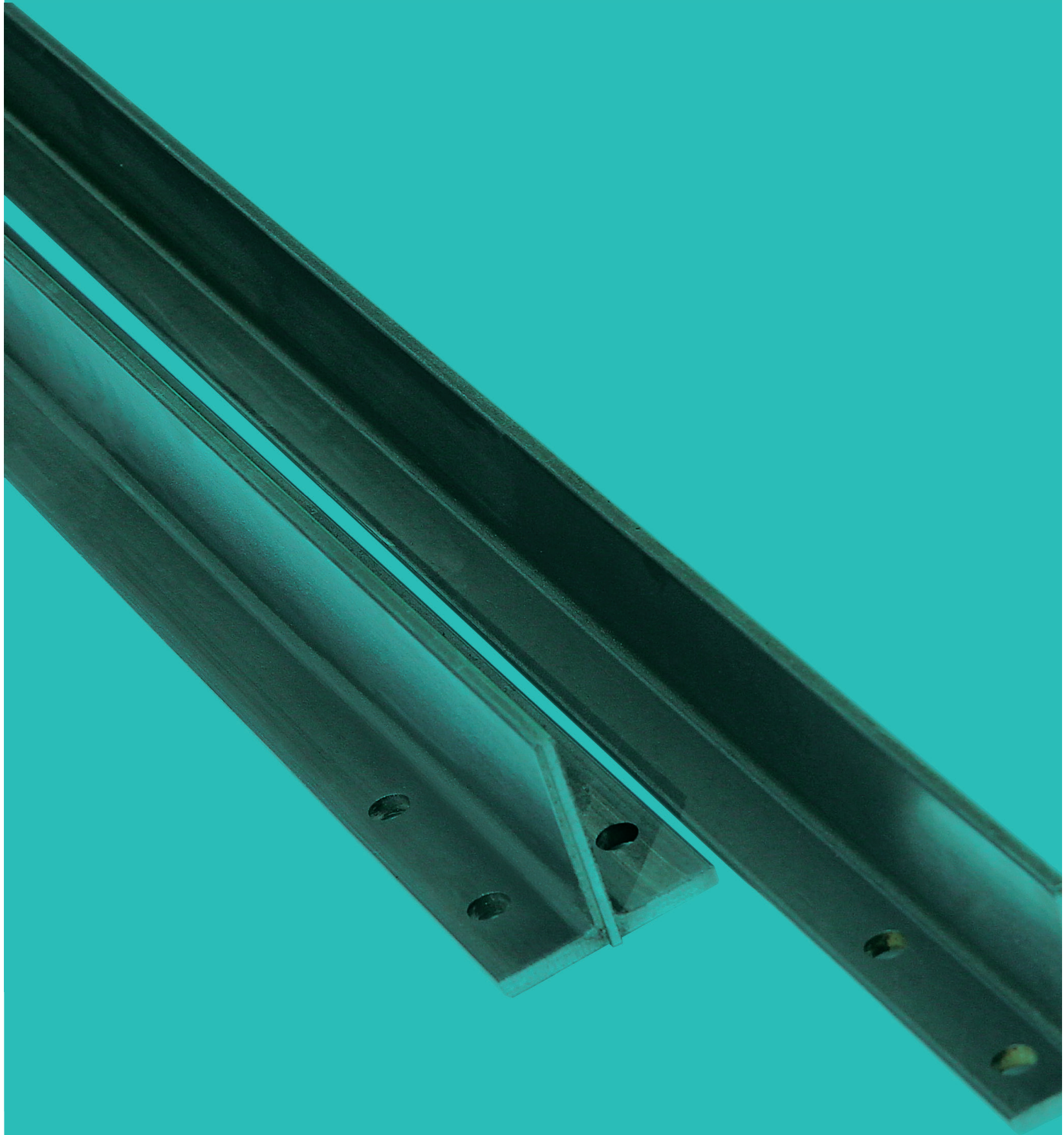
GUIDE RAILS





JADE Elevator is a world-class brand in elevator industries. We believe in Product, Performance, and Precision. For almost half a century, our goal has been to not only bring innovative products to life but to make sure that our innovation is functional with each and every use.

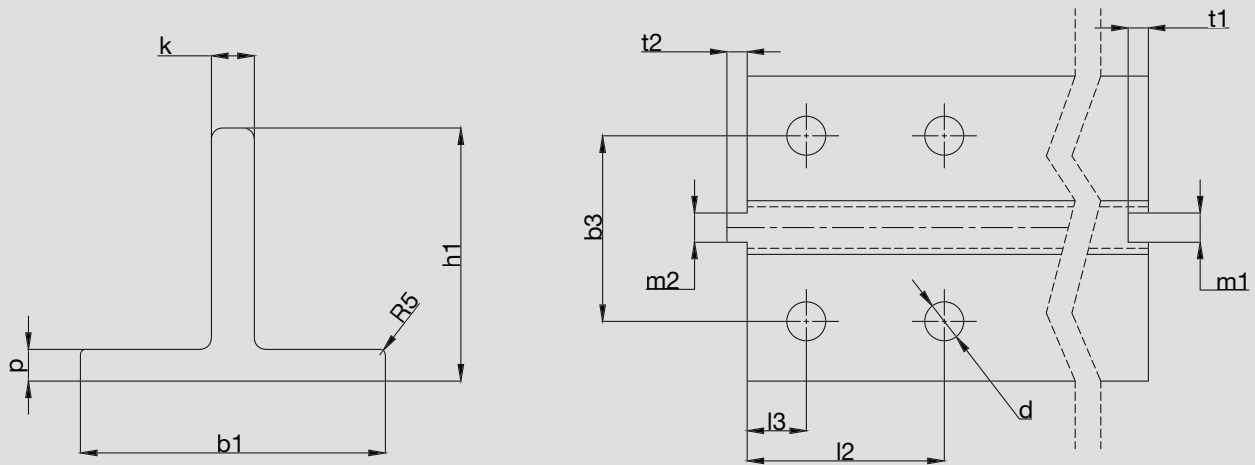
JADE Elevator is a vertically integrated brand, our products are designed, engineered, manufactured and assembled by Primo SRL in Italy under the brand of Primo Italian Machine. Primo SRL is a division of Jade Elevator. Our vertical integration has allowed us to achieve brand and market dominance in elevator machines, accessories, and parts. We are committed to delivering on-time products of the highest quality and superior customer service.



JADE ELEVATOR
IS FOUNDED
ON THE BELIEF
THAT DEVELOPS
ELEVATOR
COMPONENTS
THAT SHOULD BE
PRECISELY MADE
AND PERFORM
BETTER.

COLD DRAWN GUIDE RAIL

DRAWING OF COLD DRAWN GUIDE RAIL



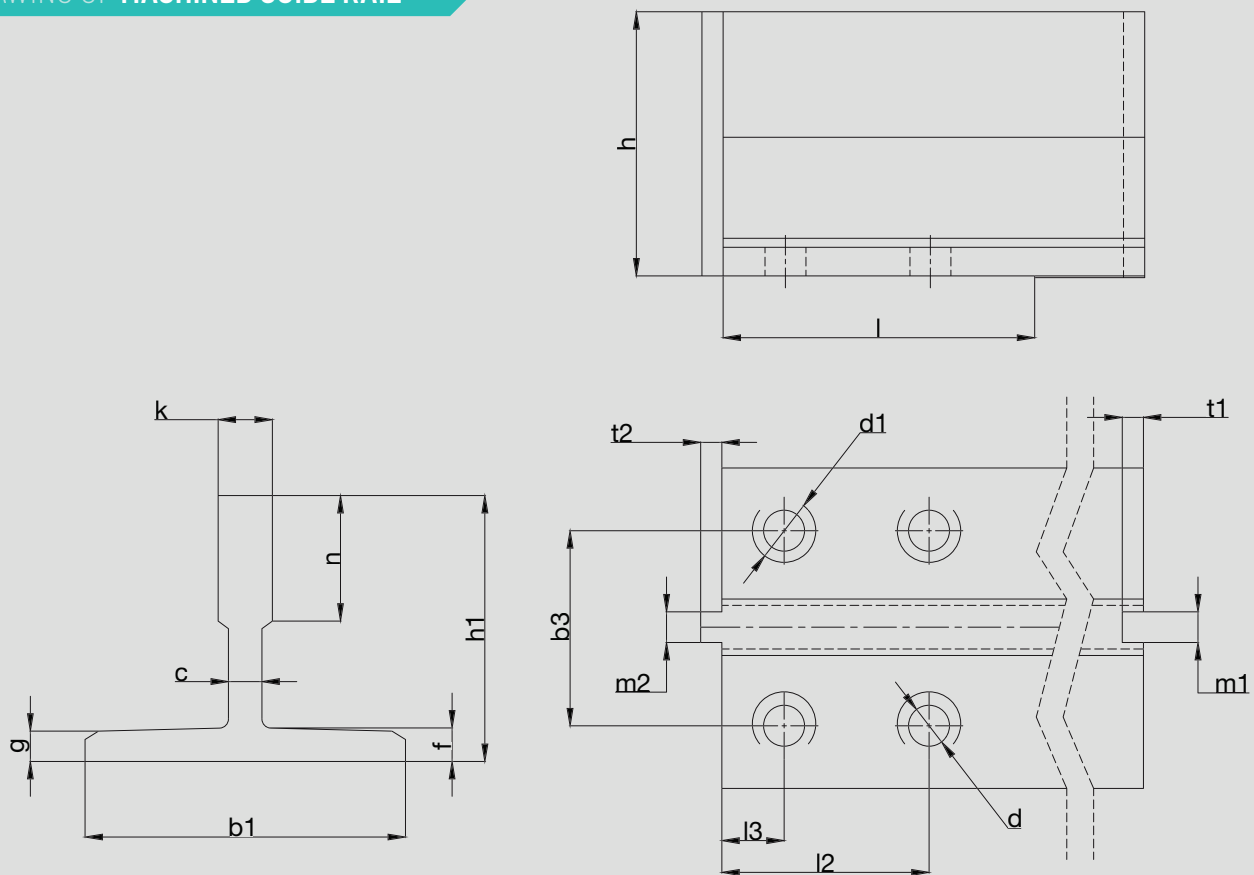
Model and parameter of Cold Drawn Guide Rail

RAIL	b_1	h_1	k	p	R_s	m_1	m_2	t_1	t_2	l_2	l_3	b_3	d
	Tolerance												
	± 0.5	± 0.2	± 0.15	± 0.5		0 +0.06	0 -0.06	± 0.1	± 0.1	± 0.2	± 0.2	± 0.3	
T45/A	45	45	5	5	1	2	1.95	2.5	2	65	15	25	9
T50/A	50	50	5	5	1	2	1.95	2.5	2	75	25	30	9
T70-1/A	± 1.5	± 0.1	0 +0.1			0 +0.06	0 -0.06	± 0.1	± 0.1	± 0.2	± 0.2	± 0.2	
	70	65	9		1.5	3	2.95	3.5	3	105	25	42	13

All dimensions are in mm

MACHINED GUIDE RAIL

DRAWING OF MACHINED GUIDE RAIL



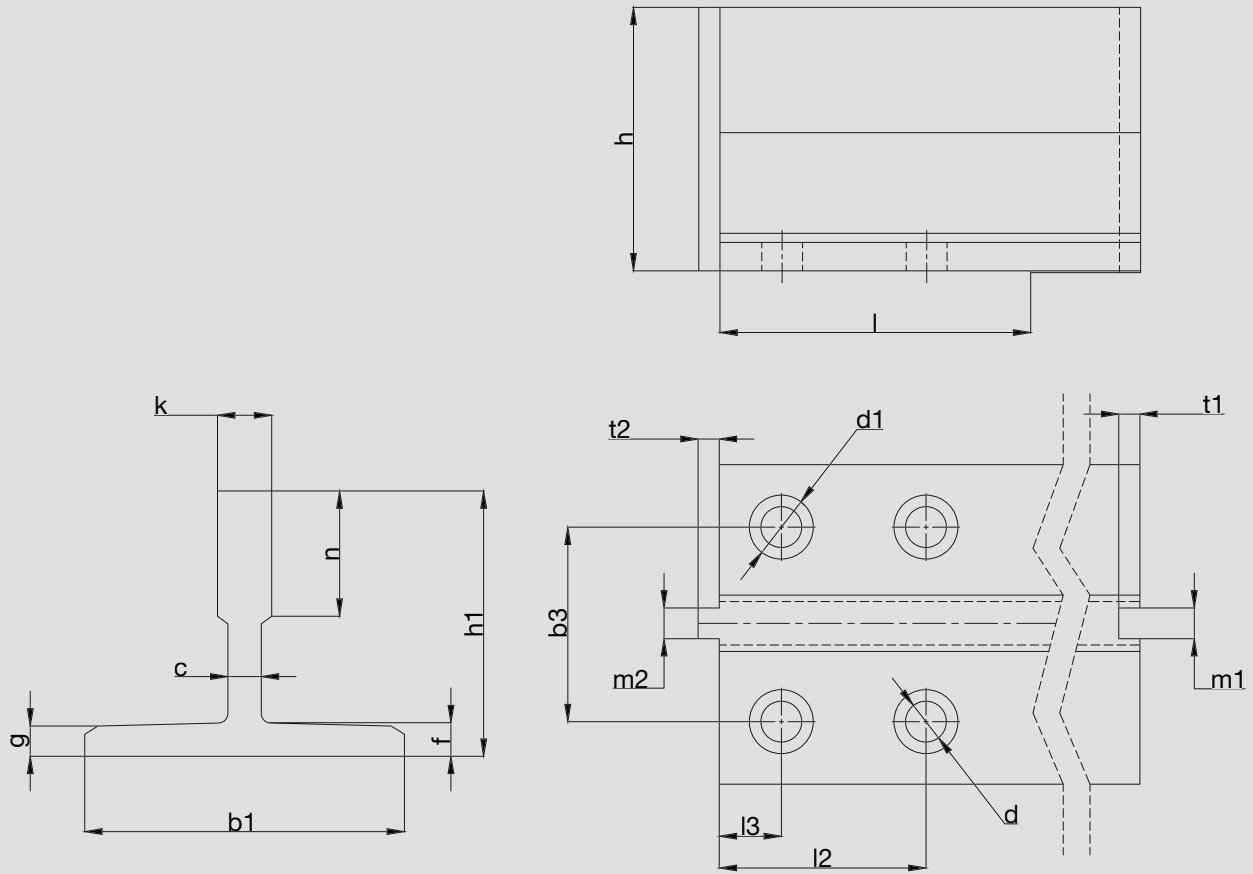
Model and parameter of Machined Guide Rail

RAIL	b1	h1	h	k	n	c	g	f	rs	m1	m2	t1	t2	l	l2	l3	b3	d	d1	
	Tolerance																			
	±1.5	±0.75	±0.1	0 ±0.1	0 ±3		±0.75			0 +0.6	0 -0.6	±0.1	±0.1	0 3	±0.2	±0.2	±0.2			
T70-1/B	70	65	64	9	34	6	6	8	1.5	3	2.97	3.5	3	128	105	25	42	13	26	
T75-3/B	75	62	61	10	30	8	7	8	3	3	2.97	3.5	3	123	90	30	43	13	26	
T78/B	78	56	55	10	25	8	7	9	3	3	2.97	3.5	3	123	90	30	43	13	26	
T82/B	82.5	68.25	66.6	9	25.4	7.5	6	8.25	3	3	2.97	3.5	3	111	81	27	50.8	13	26	
T89/B	89	62	61	16	33.4	10	7.9	11.1	3	6.4	6.37	7.14	6.35	156	114.3	38.1	57.2	13	26	
T90/B	90	75	74	16	42	10	8	10	4	6.4	6.37	7.14	6.35	156	114.3	38.1	57.2	13	26	
T114/B	114	89	88	16	38	10	8	12	4	6.4	6.37	7.14	6.35	156	114.3	38.1	74	17	33	
T127-1/B	127	89	88	16	44.5	10	8	11.1	4	6.4	6.37	7.14	6.35	156	114.3	38.1	79.4	17	33	
T127-2/B	127	89	88	16	50.8	10	12.7	15.9	5	6.4	6.37	7.14	6.35	156	114.3	38.1	79.4	17	33	
T140-1/B	140	108	107	19	50.8	12.7	12.7	15.9	5	6.4	6.37	7.14	6.35	193	152.4	31.8	92.1	21	40	
T140-2/B	140	102	101	28.6	50.8	17.5	14.5	17.5	5	6.4	6.37	7.14	6.35	193	152.4	31.8	92.1	21	40	
T140-3/B	140	127	126	31.75	57	19	17.5	25.4	5	6.4	6.37	7.14	6.35	193	152.4	31.8	92.1	21	40	

All dimensions are in mm

HIGH PRECISION MACHINED GUIDE RAIL

DRAWING OF HIGH PRECISION GUIDE RAIL



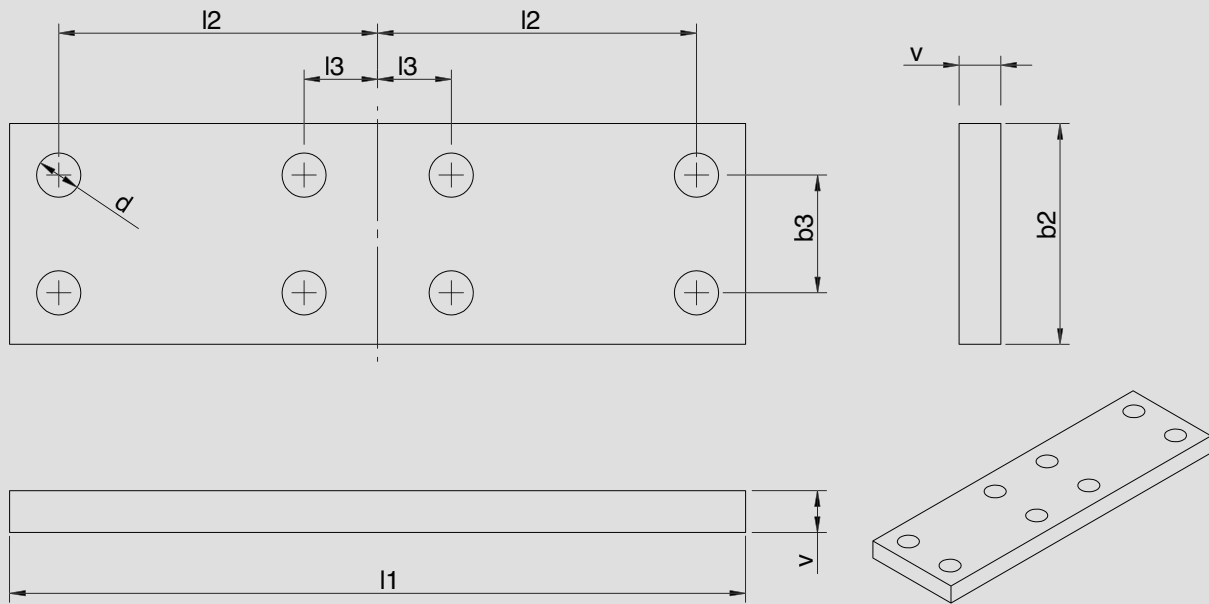
Model and parameter of High Precision Guide Rail

RAIL	b1	h1	h	k	n	c	g	f	m1	m2	t1	t2	l	l2	l3	b3	d	d1	
	Tolerance																		
	±0.5	±0.75	±0.05	0 +0.5	0 +3		±0.75		0 +0.06	0 -0.06	±0.1	±0.1	0 +3	±0.2	±0.2	±0.2	0 +0.43	0 +0.52	
T89/BE	89	62	61	16	33.4	10	8	11.1	6.4	6.37	7.14	6.35	156	114.3	38.1	57.2	13	26	
T90/BE	90	75	74	16	42	10	8	10	6.4	6.37	7.14	6.35	156	114.3	38.1	57.2	13	26	
T114/BE	114	89	88	16	38	10	8	12	6.4	6.37	7.14	6.35	156	114.3	38.1	79.4	17	33	
T127-1/BE	127	89	88	16	44.5	10	8	11.1	6.4	6.37	7.14	6.35	156	114.3	38.1	79.4	17	33	
T127-2/BE	127	89	88	16	50.8	10	12.7	15.9	6.4	6.37	7.14	6.35	156	114.3	38.1	79.4	17	33	
T140-1/BE	140	108	107	19	50.8	12.7	12.7	15.9	6.4	6.37	7.14	6.35	193	152.4	31.8	92.1	21	40	
T140-2/BE	140	102	107	28.6	50.8	17.5	14.5	17.5	6.4	6.37	7.14	6.35	193	152.4	31.8	92.1	21	40	

All dimensions are in mm

FISHPLATE

DRAWING OF FISHPLATE

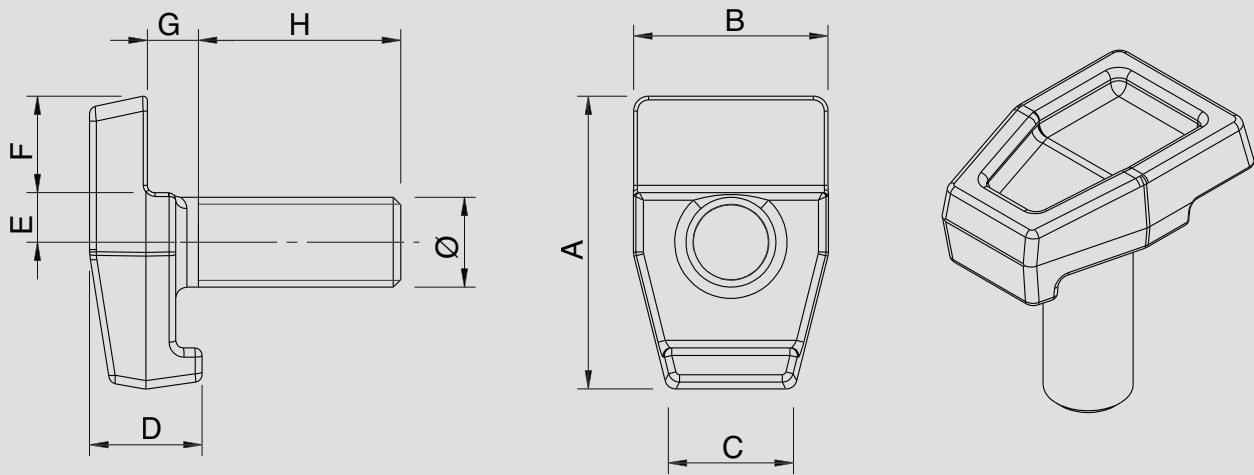


Model and parameter of Machined Guide Rail

RAIL	d	b2	b3	l1	l2	l3	v
	Tolerance						
			±0.2	±1.5	±0.2	±0.2	0 +2
T45/A	9	50	25	160	65	15	8
T50/A	9	50	30	200	75	25	8
T70-1/A	13	70	42	250	105	25	10
T70-1/B	13	70	42	250	105	25	10
T75-3/B	13	75	43	24	90	30	10
T78/B	13	75	43	240	90	30	10
T82/B	13	80	50.8	216	81	27	10
T89/B	13	90	57.2	280	114.3	38.1	13
T90/B	13	90	57.2	280	114.3	38.1	13
T114/B	17	115	74	300	114.3	38.1	18
T127-1/B	17	130	79.4	305	114.3	38.1	18
T127-2/B	17	130	79.4	300	114.3	38.1	18
T140-1/B	21	140	92.1	380	152.4	31.8	28
T140-2/B	21	140	92.1	380	152.4	31.8	28
T140-3/B	21	140	92.1	380	152.4	31.8	38

All dimensions are in mm

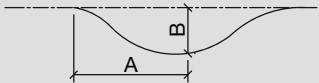
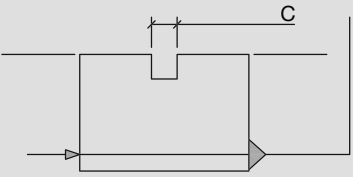
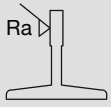
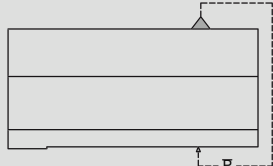
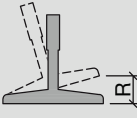
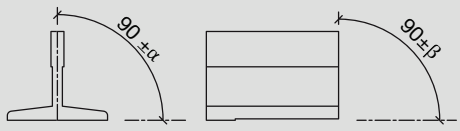
GUIDE CLIP



GUIDE CLIP								
Ø	A	B	C	D	E	F	G	H
M10	32	23	16	13	5.2	11	6	27
M12	39	26	17	15	6.6	13	6.8	30
M14	45	29	18	18.5	8.1	13	9.5	43
M15	50	34	18	20	8.6	15	11.5	52

All dimensions are in mm

GUIDE RAIL KEY FACTOR

KEY FACTOR	PARAMETER	MACHINED TOLERANCE
Straightness 		$B / A = 0.0004$ $B_{\max}(5\text{ m}) = 1\text{ mm}$ $B_{\min} = 0.2\text{ mm}$
Tongue and Groove Centering 	C	0.05 mm
Blade Roughness 	Ra (Long.) Ra (Transv.)	1.6 μ max 0.8 - 3.2 μ
Parallelism 	P	0.05 mm
Twisting 	R max	1 mm / 5 m
Perpendicularity 	α β	5° 12°



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