

What was said previously for table TR is also valid for the series made of light alloy. However, differences as far as sizing and load rating are present. The height A is smaller for type TRL1, TRL3 and TRL6 series (see dimension table).

The series TRL6 has two additional sizes with respect to its cast iron counterpart TR6. While the series TRL3 includes four additional sizes. The load ratings are lower than series TR and so is the weight.

Therefore, the table TRL are indicated for movements with high acceleration since their mass is lower and consequently the inertia.

Tables of series TRL are supplied with attaching holes.



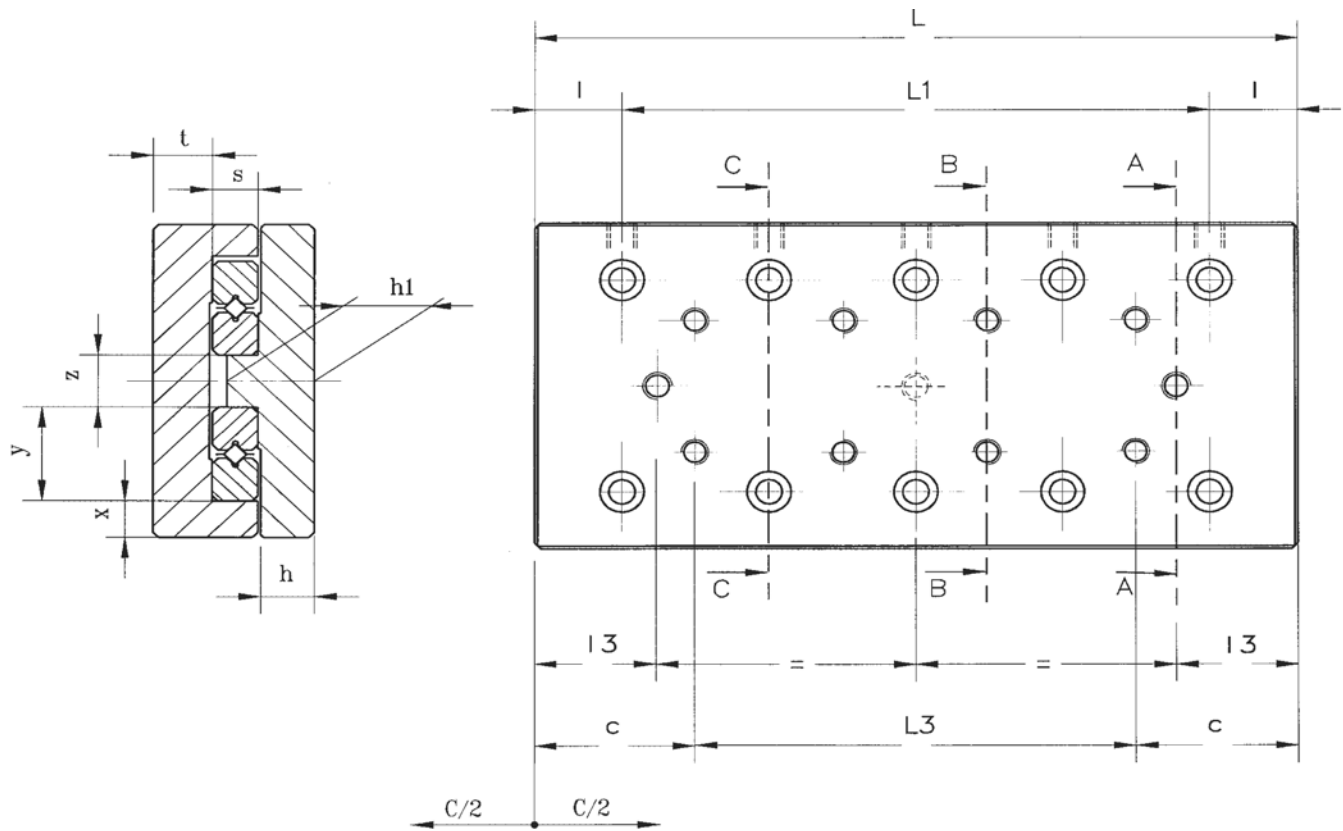


Table designation	Stroke C	L(±0,1)	Ø Roller	L1	L3	c	h	h1	l	l3	s	t	x	Y	z
TRL1 25	10	25	1,5	1x10	-	12,5	4,1	7,6	7,5	3,5	4	4,5	4	8,5	5
TRL1 35	18	35		2x10	1x10					4,5					
TRL1 45	25	45		3x10	2x10					6					
TRL1 55	32	55		4x10	3x10					7,5					
TRL1 65	40	65		5x10	4x10					8,5					
TRL1 75	45	75		6x10	5x10					11					
TRL1 85	50	85		7x10	6x10					13,5					
TRL1 95	55	95		8x10	7x10					15					
TRL1 105	60	105		9x10	8x10					17,5					
TRL2 35	18	35		2	1x15					-					
TRL2 50	30	50	2x15		1x15	4,5									
TRL2 65	40	65	3x15		2x15	7									
TRL2 80	50	80	4x15		3x15	9,5									
TRL2 95	60	95	5x15		4x15	12									
TRL2 110	70	110	6x15		5x15	14,5									
TRL2 125	80	125	7x15		6x15	17									
TRL2 140	90	140	8x15		7x15	19,5									
TRL2 155	100	155	9x15		8x15	22									

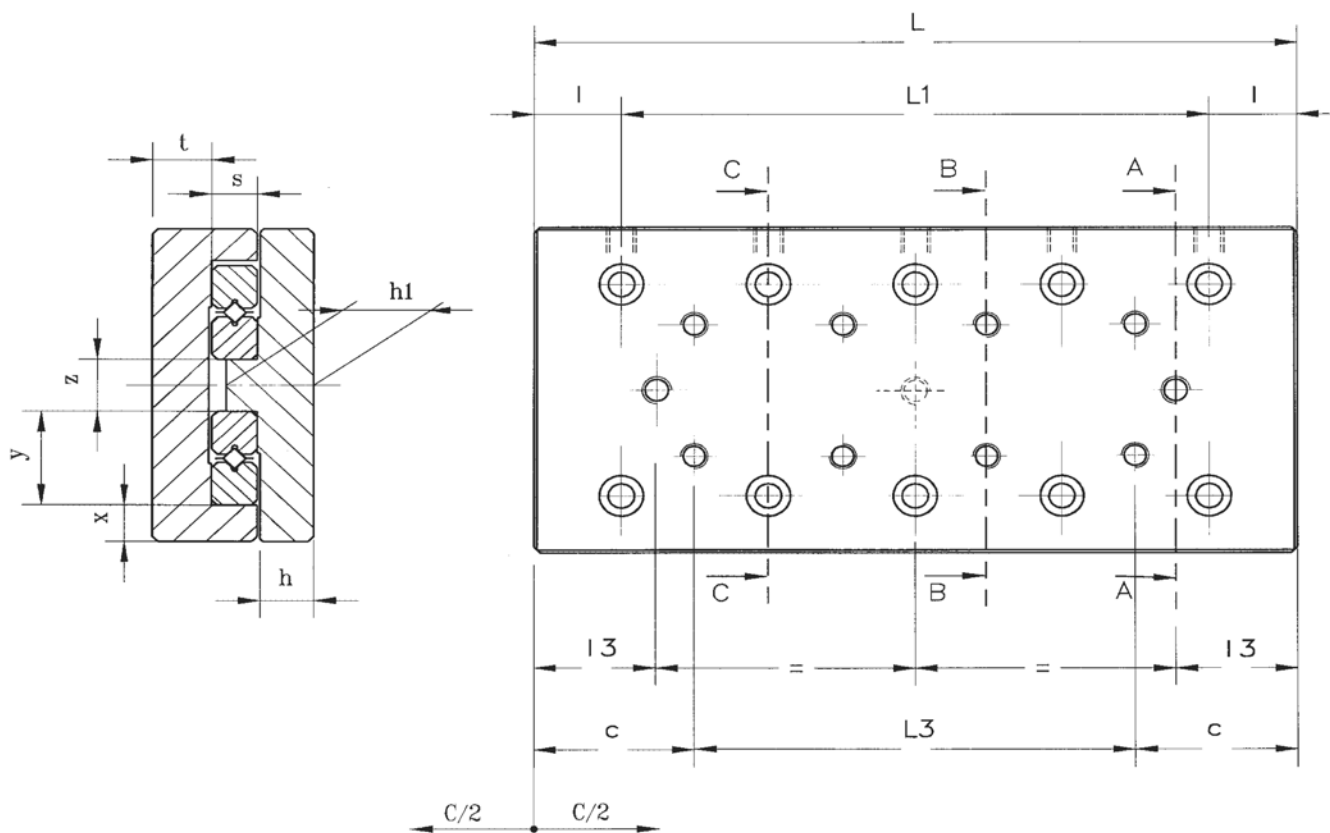


Table designation	Stroke C	L(±0,1)	Ø Roller	L ₁	L ₃	c	h	h ₁	l	l ₃	s	t	x	Y	z										
TRL3 55	30	55	3	1x25	-	27,5	8,2	12,5	15	5,5	8	8,5	7	18	10										
TRL3 80	45	80		2x25	1x25					10,5															
TRL3 105	60	105		3x25	2x25					15,5															
TRL3 130	75	130		4x25	3x25					20,5															
TRL3 155	90	155		5x25	4x25					25,5															
TRL3 180	105	180		6x25	5x25					30,5															
TRL3 205	130	205		7x25	6x25					30,5															
TRL3 230	155	230		8x25	7x25					30,5															
TRL3 255	180	255		9x25	8x25					30,5															
TRL3 280	205	280		10x25	9x25					30,5															
TRL3 305	230	305		11x25	10x25					30,5															
TRL6 110	60	110		6	1x50					-						55	11,5	19,5	30	16	15	13	12	31	14
TRL6 160	95	160			2x50					1x50										23,5					
TRL6 210	130	210	3x50		2x50	31																			
TRL6 260	165	260	4x50		3x50	38,5																			
TRL6 310	200	310	5x50		4x50	46																			
TRL6 360	265	360	6x50		5x50	38,5																			
TRL6 410	280	410	7x50		6x50	56																			
TRL6 460	325	460	8x50		7x50	58,5																			
TRL6 510	380	510	9x50		8x50	56																			

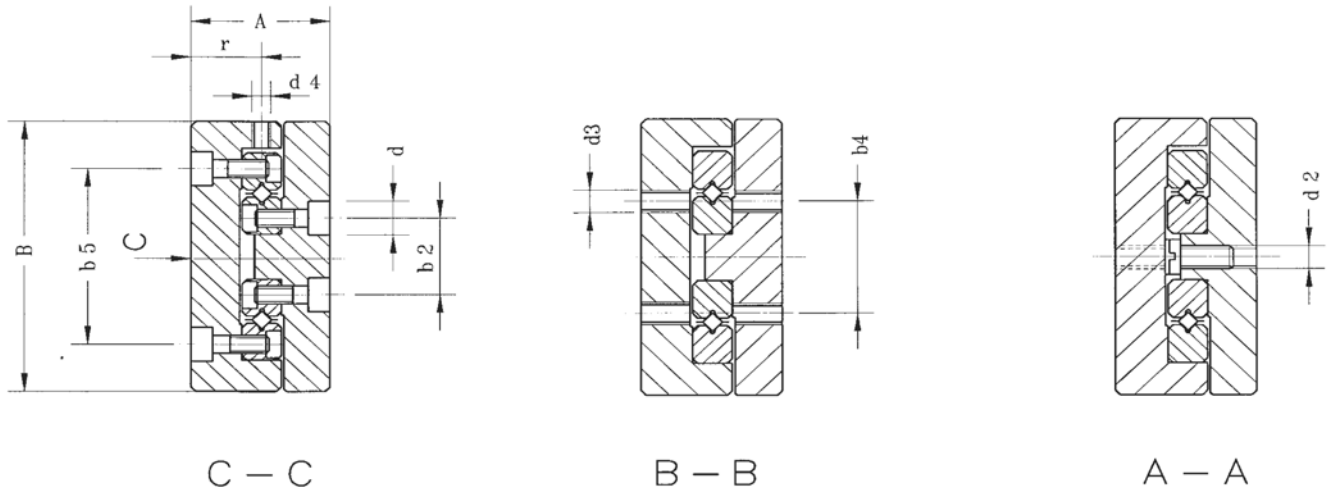


Table designation	A	B	b ₅	b ₂	b ₄	d	d ₂	d ₃	d ₄	r	Maximum allowable load (N)	Table Weight (Kg)
TRL1 25	13±0,1	30±0,2	18,4	8,6	10	4,1	M2	M2	M2,5	9	250	0,03
TRL1 35											350	0,05
TRL1 45											450	0,06
TRL1 55											530	0,08
TRL1 65											650	0,09
TRL1 75											750	0,11
TRL1 85											900	0,12
TRL1 95											1000	0,14
TRL1 105											1150	0,16
TRL2 35	21±0,1	40±0,2	25	11	15	6	M3	M3	M3	11	425	0,09
TRL2 50											595	0,15
TRL2 65											850	0,19
TRL2 80											1020	0,23
TRL2 95											1275	0,27
TRL2 110											1445	0,31
TRL2 125											1700	0,35
TRL2 140											1870	0,39
TRL2 155											2125	0,43

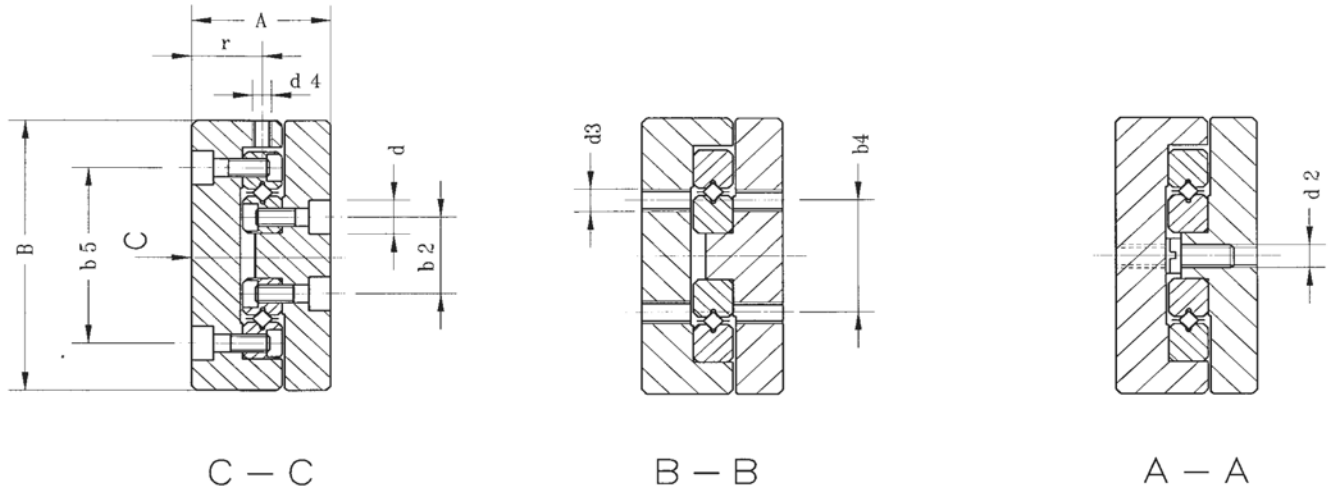


Table designation	A	B	b ₅	b ₂	b ₄	d	d ₂	d ₃	d ₄	r	Maximum allowable load (N)	Table weight (Kg)
TRL3 55	25±0,1	60±0,2	39	17	25	7,5	M4	M4	M4	12,5	910	0,29
TRL3 80											1300	0,42
TRL3 105											1820	0,55
TRL3 130											2220	0,68
TRL3 155											2730	0,81
TRL3 180											3120	0,94
TRL3 205											3510	1,07
TRL3 230											3770	1,2
TRL3 255											4160	1,33
TRL3 280											4420	1,46
TRL3 305											4820	1,59
TRL6 110											40±0,1	100±0,2
TRL6 160	5830	2,25										
TRL6 210	7420	3										
TRL6 260	9540	3,75										
TRL6 310	11660	4,5										
TRL6 360	12720	5,25										
TRL6 410	14840	6										
TRL6 460	16430	6,75										
TRL6 510	18020	7,5										

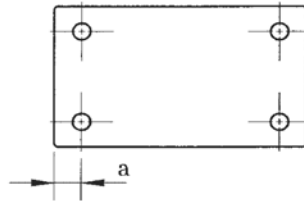
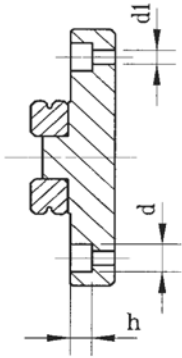


Fig. 1

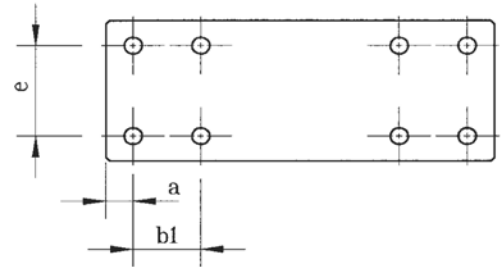


Fig. 2

The parallelism of matched tables is contained within 0.01 mm (Dimension A-A1)

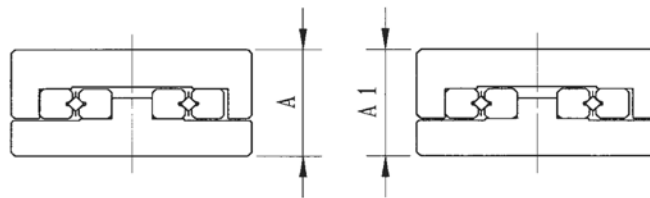


Table designation	a	b1	Fig.	e	h	d	d1
TRL1 25			1				
TRL1 35			1				
TRL1 45			1				
TRL1 55			2				
TRL1 65	3,5	10	2	22	2,5	4,1	2,5
TRL1 75			2				
TRL1 85			2				
TRL1 95			2				
TRL1 105			2				
TRL2 35			1				
TRL2 50			1				
TRL2 65			1				
TRL2 80			2				
TRL2 95	5	15	2	30	3,5	6	3,5
TRL2 110			2				
TRL2 125			2				
TRL2 140			2				
TRL2 155			2				

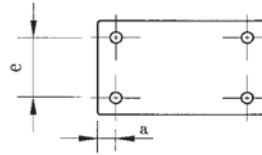
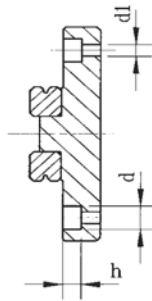


Fig. 1

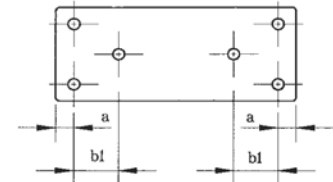


Fig. 3

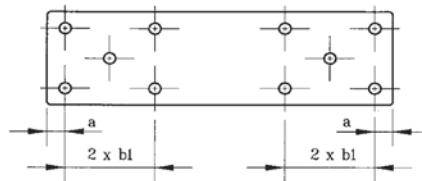


Fig. 4

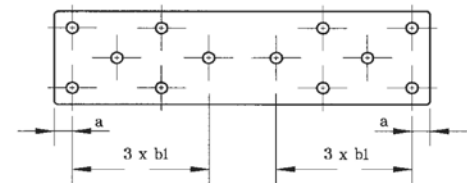


Fig. 5

The parallelism of matched tables is contained within 0.01 mm (Dimension A-A1)

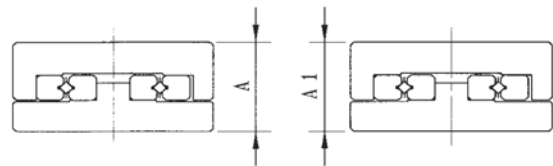
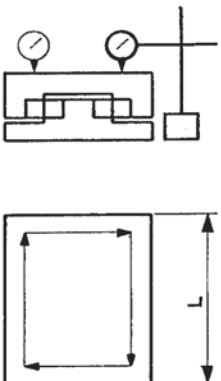
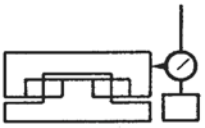
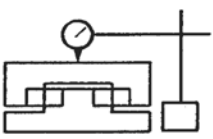
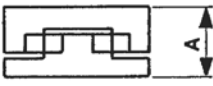


Table designation	a	b1	Fig.	e	h	d	d1
TRL3 55	10	25	1	40	5	7,5	4,5
TRL3 80			1				
TRL3 105			1				
TRL3 130			1				
TRL3 155			3				
TRL3 180			3				
TRL3 205			4				
TRL3 230			4				
TRL3 255			5				
TRL3 280			5				
TRL3 305			5				
TRL6 110	10	50	1	60	7	11	7
TRL6 160			1				
TRL6 210			3				
TRL6 260			3				
TRL6 310			3				
TRL6 360			3				
TRL6 410			4				
TRL6 460			4				
TRL6 510			5				

TABLE LENGTH (mm) TOLERANCE (µm)		from 25 to 50	from 55 to 105	from 110 to 160	from 180 to 310	from 410 to 510		
	Flatness checked on longitudinal and transversal axis of the table	Specification	10	10	15	20	25	
	Parallelism (Lateral)	Specification	4	5	6	8	9	
	Parallelism (Upper Portion) measured on the center line	Specification	2	4	6	8	9	
	Height	Specification	± 100					