



TELESCOPING RHS SECTIONS



Telescoping RHS Sections

Square Sections						
Female (Outer)			Clearance		Male (Outer)	
d mm	b mm	t mm	Top mm	Side mm	d mm	b mm
20	20	1.6	1.8	1.8	15	15
25	25	1.6	1.8	1.8	20	20
25	25	2.0	1.0	1.0	20	20
30	30	1.6	1.8	1.8	25	25
30	30	2.0	1.0	1.0	25	25
35	35	1.6	1.8	1.8	30	30
35	35	2.0	1.0	1.0	30	30
40	40	1.6	1.8	1.8	35	35
40	40	2.0	1.0	1.0	35	35
50	50	1.6	6.8	6.8	40	40
50	50	2.0	6.0	6.0	40	40
50	50	2.5	5.0	5.0	40	40
50	50	3.0	4.0	4.0	40	40
50	50	4.0	2.0	2.0	40	40
65	65	1.6	11.8	11.8	50	50
65	65	2.0	11.0	11.0	50	50
65	65	2.5	10.0	10.0	50	50
65	65	3.0	9.0	9.0	50	50
65	65	4.0	7.0	7.0	50	50
65	65	5.0	5.0	5.0	50	50
65	65	6.0	3.0	3.0	50	50
75	75	2.0	6.0	6.0	65	65
75	75	2.5	5.0	5.0	65	65
75	75	3.0	4.0	4.0	65	65
75	75	3.5	3.0	3.0	65	65
75	75	4.0	2.0	2.0	65	65
89	89	3.5	6.9	6.9	75	75
89	89	5.0	3.9	3.9	75	75
89	89	6.0	1.9	1.9	75	75
100	100	3.0	4.0	4.0	89	89
100	100	4.0	2.0	2.0	89	89
125	125	4.0	17.0	17.0	100	100
150	150	5.0	15.0	15.0	125	125
150	150	6.0	13.0	13.0	125	125
200	200	5.0	40.0	40.0	150	150
200	200	6.0	38.0	38.0	150	150
250	250	6.0	38.0	38.0	200	200

Rectangular Sections						
Female (Outer)			Clearance		Male (Outer)	
d mm	b mm	t mm	Top mm	Side mm	d mm	b mm
65	35	2.0	11.0	6.0	50	25
65	35	2.5	10.0	5.0	50	25
65	35	3.0	9.0	4.0	50	25
65	35	4.0	7.0	2.0	50	25
75	50	2.0	6.0	11.0	65	35
75	50	2.5	5.0	10.0	65	35
75	50	3.0	4.0	9.0	65	35
75	50	4.0	2.0	7.0	65	35
100	50	2.0	21.0	21.0	75	25
100	50	2.5	20.0	20.0	75	25
100	50	3.0	19.0	19.0	75	25
100	50	3.5	18.0	18.0	75	25
100	50	4.0	17.0	17.0	75	25
100	50	2.0	31.0	11.0	65	35
100	50	2.5	30.0	10.0	65	35
100	50	3.0	29.0	9.0	65	35
100	50	3.5	28.0	8.0	65	35
100	50	4.0	27.0	7.0	65	35
100	50	5.0	25.0	5.0	65	35
100	50	6.0	23.0	3.0	65	35
125	75	3.0	19.0	19.0	100	50
125	75	4.0	17.0	17.0	100	50
125	75	5.0	15.0	15.0	100	50
125	75	6.0	13.0	13.0	100	50
150	100	4.0	17.0	17.0	125	75
150	100	5.0	15.0	15.0	125	75
150	100	6.0	13.0	13.0	125	75
200	100	4.0	42.0	42.0	150	50
200	100	5.0	40.0	40.0	150	50
200	100	6.0	38.3	8.0	150	50
250	150	5.0	40.0	40.0	200	100
250	150	6.0	38.0	38.0	200	100

Please note: RHS is not a precision tube. While in accordance with specifications; dimensions may vary marginally, particularly corner radii.

To use this chart, first take the outer RHS size you require, take 2 x t + 1 mm away from this size. From the chart, select an inner size RHS that comes close to your requirements, allowing the desired clearance. Remember that all RHS made under the ERW method of production will have an internal weld bead of approximately 1.0 mm in height. Not all available sizes of RHS could be listed due to page size limitations. Another factor to take into consideration is the corner radii as these may differ for each tube manufacturer to the next.