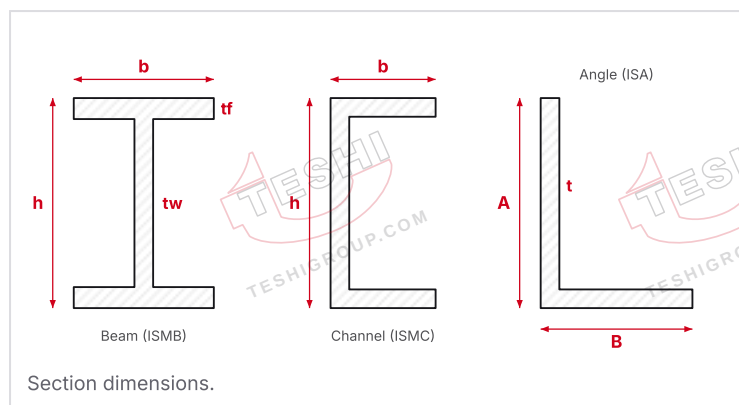


DIMENSIONAL STANDARD · IS 808

ISA Steel Angle Sizes and Weights — IS 808

Leg size, thickness and mass per metre of equal and unequal steel angles.

Leg size, thickness and mass per metre of **hot-rolled steel angles** (ISA) to IS 808, for equal and unequal leg angles.



A × B Leg sizes
t Thickness
kg/m Mass per metre

Equal angles

Designation A × B × t	A mm	B mm	t mm	Mass kg/m
ISA 25 × 25 × 3	25	25	3	1.1
ISA 25 × 25 × 4	25	25	4	1.4
ISA 25 × 25 × 5	25	25	5	1.8
ISA 30 × 30 × 3	30	30	3	1.4
ISA 30 × 30 × 4	30	30	4	1.8
ISA 30 × 30 × 5	30	30	5	2.2
ISA 35 × 35 × 3	35	35	3	1.6
ISA 35 × 35 × 4	35	35	4	2.1
ISA 35 × 35 × 5	35	35	5	2.6
ISA 35 × 35 × 6	35	35	6	3.0
ISA 40 × 40 × 3	40	40	3	1.8
ISA 40 × 40 × 4	40	40	4	2.4
ISA 40 × 40 × 5	40	40	5	3.0
ISA 40 × 40 × 6	40	40	6	3.5
ISA 45 × 45 × 3	45	45	3	2.1
ISA 45 × 45 × 4	45	45	4	2.7
ISA 45 × 45 × 5	45	45	5	3.4
ISA 45 × 45 × 6	45	45	6	4.0
ISA 50 × 50 × 3	50	50	3	2.3
ISA 50 × 50 × 4	50	50	4	3.0
ISA 50 × 50 × 5	50	50	5	3.8
ISA 50 × 50 × 6	50	50	6	4.5
ISA 55 × 55 × 5	55	55	5	4.1
ISA 55 × 55 × 6	55	55	6	4.9

Designation A × B × t	A mm	B mm	t mm	Mass kg/m
ISA 55 × 55 × 8	55	55	8	6.4
ISA 55 × 55 × 10	55	55	10	7.9
ISA 60 × 60 × 5	60	60	5	4.5
ISA 60 × 60 × 6	60	60	6	5.4
ISA 60 × 60 × 8	60	60	8	7.0
ISA 60 × 60 × 10	60	60	10	8.6
ISA 65 × 65 × 5	65	65	5	4.9
ISA 65 × 65 × 6	65	65	6	5.8
ISA 65 × 65 × 8	65	65	8	7.7
ISA 65 × 65 × 10	65	65	10	9.4
ISA 70 × 70 × 5	70	70	5	5.3
ISA 70 × 70 × 6	70	70	6	6.3
ISA 70 × 70 × 8	70	70	8	8.3
ISA 70 × 70 × 10	70	70	10	10.2
ISA 75 × 75 × 5	75	75	5	5.7
ISA 75 × 75 × 6	75	75	6	6.8
ISA 75 × 75 × 8	75	75	8	8.9
ISA 75 × 75 × 10	75	75	10	11.0
ISA 80 × 80 × 6	80	80	6	7.3
ISA 80 × 80 × 8	80	80	8	9.6
ISA 80 × 80 × 10	80	80	10	11.8
ISA 80 × 80 × 12	80	80	12	14.0
ISA 90 × 90 × 6	90	90	6	8.2
ISA 90 × 90 × 8	90	90	8	10.8
ISA 90 × 90 × 10	90	90	10	13.4
ISA 90 × 90 × 12	90	90	12	15.8
ISA 100 × 100 × 6	100	100	6	9.2
ISA 100 × 100 × 8	100	100	8	12.1
ISA 100 × 100 × 10	100	100	10	14.9
ISA 100 × 100 × 12	100	100	12	17.7
ISA 110 × 110 × 8	110	110	8	13.4
ISA 110 × 110 × 10	110	110	10	16.6
ISA 110 × 110 × 12	110	110	12	19.7
ISA 110 × 110 × 16	110	110	16	25.7
ISA 130 × 130 × 8	130	130	8	15.9
ISA 130 × 130 × 10	130	130	10	19.7
ISA 130 × 130 × 12	130	130	12	23.5
ISA 130 × 130 × 16	130	130	16	30.7
ISA 150 × 150 × 10	150	150	10	22.9

Designation A × B × t	A mm	B mm	t mm	Mass kg/m
ISA 150 × 150 × 12	150	150	12	27.3
ISA 150 × 150 × 16	150	150	16	35.8
ISA 150 × 150 × 20	150	150	20	44.1
ISA 200 × 200 × 12	200	200	12	36.9
ISA 200 × 200 × 16	200	200	16	48.5
ISA 200 × 200 × 20	200	200	20	60.0
ISA 200 × 200 × 25	200	200	25	73.9

Unequal angles

Designation A × B × t	A mm	B mm	t mm	Mass kg/m
ISA 30 × 20 × 3	30	20	3	1.1
ISA 30 × 20 × 4	30	20	4	1.4
ISA 30 × 20 × 5	30	20	5	1.8
ISA 40 × 25 × 3	40	25	3	1.5
ISA 40 × 25 × 4	40	25	4	1.9
ISA 40 × 25 × 5	40	25	5	2.4
ISA 40 × 25 × 6	40	25	6	2.8
ISA 45 × 30 × 3	45	30	3	1.7
ISA 45 × 30 × 4	45	30	4	2.2
ISA 45 × 30 × 5	45	30	5	2.8
ISA 45 × 30 × 6	45	30	6	3.3
ISA 50 × 30 × 3	50	30	3	1.8
ISA 50 × 30 × 4	50	30	4	2.4
ISA 50 × 30 × 5	50	30	5	3.0
ISA 50 × 30 × 6	50	30	6	3.5
ISA 60 × 40 × 5	60	40	5	3.7
ISA 60 × 40 × 6	60	40	6	4.4
ISA 60 × 40 × 8	60	40	8	5.8
ISA 65 × 45 × 5	65	45	5	4.1
ISA 65 × 45 × 6	65	45	6	4.9
ISA 65 × 45 × 8	65	45	8	6.4
ISA 70 × 45 × 5	70	45	5	4.3
ISA 70 × 45 × 6	70	45	6	5.2
ISA 70 × 45 × 8	70	45	8	6.7
ISA 70 × 45 × 10	70	45	10	8.3
ISA 75 × 50 × 5	75	50	5	4.7
ISA 75 × 50 × 6	75	50	6	5.6
ISA 75 × 50 × 8	75	50	8	7.4
ISA 75 × 50 × 10	75	50	10	9.0

Designation A × B × t	A mm	B mm	t mm	Mass kg/m
ISA 80 × 50 × 5	80	50	5	4.9
ISA 80 × 50 × 6	80	50	6	5.9
ISA 80 × 50 × 8	80	50	8	7.7
ISA 80 × 50 × 10	80	50	10	9.4
ISA 90 × 60 × 6	90	60	6	6.8
ISA 90 × 60 × 8	90	60	8	8.9
ISA 90 × 60 × 10	90	60	10	11.0
ISA 90 × 60 × 12	90	60	12	13.0
ISA 100 × 65 × 6	100	65	6	7.5
ISA 100 × 65 × 8	100	65	8	9.9
ISA 100 × 65 × 10	100	65	10	12.2
ISA 100 × 75 × 6	100	75	6	8.0
ISA 100 × 75 × 8	100	75	8	10.5
ISA 100 × 75 × 10	100	75	10	13.0
ISA 100 × 75 × 12	100	75	12	15.4
ISA 125 × 75 × 6	125	75	6	9.2
ISA 125 × 75 × 8	125	75	8	12.1
ISA 125 × 75 × 10	125	75	10	14.9

Notes

- Values are those of IS 808:1989.
- Other sizes and thicknesses are available on enquiry.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

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