International Standard 657/11

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Hot-rolled steel sections — Part 11 : Sloping flange channel sections (Metric series) — Dimensions and sectional properties

Profilés en acier laminés à chaud — Partie 11 : Profils en U à ailes inclinées (Série métrique) — Dimensions et caractéristiques rapportées aux axes

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 657/11 was developed by Technical Committee ISO/TC 17, *Steel*, and was circulated to the member bodies in October 1977.

It has been approved by the member bodies of the following countries :

Austria	Germany, F.R.	Netherlands
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Bulgaria	Iran	Norway
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Czechoslovakia	Sweden
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Hot-rolled steel sections — Part 11 : Sloping flange channel sections (Metric series) — Dimensions and sectional properties

1 Scope and field of application

This International Standard specifies dimensions and sectional properties of metric series hot-rolled steel sloping flange channel sections.

2 Designation

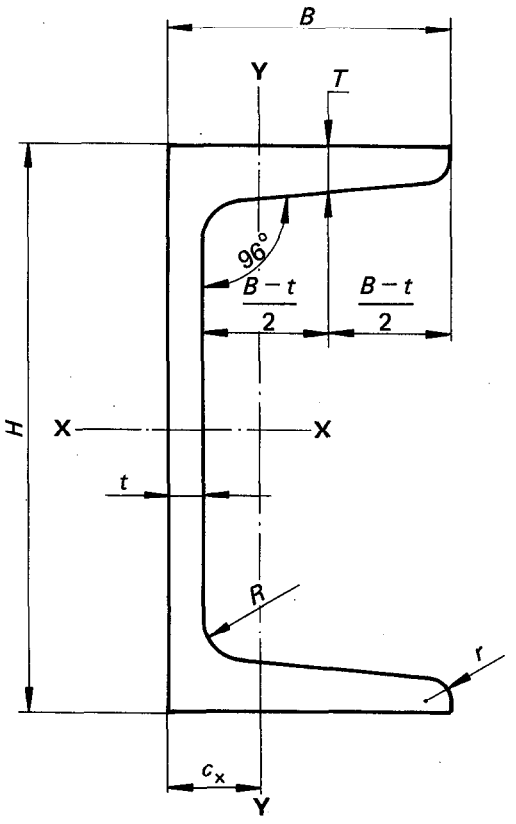
Sloping flange channel sections shall be designated by the letters CH followed by the depth and mass per metre.

Example : CH 160 × 18

3 Dimensions and sectional properties

The dimensions and sectional properties of sloping flange channel sections are given in the table.

Table — Dimensions and sectional properties of hot-rolled steel sloping flange channel sections (Metric series)



Designation	Mass	Sectional area	Dimensions						Centroid	Sectional properties about axes					
										X — X			Y — Y		
	M	A	H	B	T	t	R*	r*	c_x	I_x	Z_x	r_x	I_y	Z_y	r_y
	kg/m	cm^2	mm	mm	mm	mm	mm	mm	cm	cm^4	cm^3	cm	cm^4	cm^3	cm
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
CH 80 × 8	8,23	10,5	80	45	7,5	5,5	8,0	4,0	1,43	102	25,6	3,12	18,0	5,85	1,30
CH 100 × 10	10,3	13,1	100	50	8,0	5,9	8,0	4,5	1,51	200	40,0	3,91	27,2	7,77	1,44
CH 120 × 12	12,5	16,0	120	55	8,5	6,3	8,0	4,5	1,60	350	58,4	4,68	39,5	10,1	1,57
CH 140 × 15	15,0	19,2	140	60	9,0	6,7	9,0	4,5	1,68	570	81,4	5,45	55,3	12,8	1,67
CH 160 × 18	18,2	23,2	160	65	10,0	7,2	9,0	5,5	1,81	900	113	6,22	79,0	16,8	1,81
CH 180 × 21	21,3	27,2	180	70	10,5	7,7	10,0	5,5	1,90	1 320	147	6,98	105	20,6	1,94
CH 200 × 25	25,2	32,1	200	75	11,5	8,2	12,0	6,0	2,02	1 930	193	7,75	142	26,0	2,10
CH 220 × 29	28,7	36,6	220	80	12,0	8,7	12,0	6,5	2,11	2 640	240	8,50	183	31,0	2,23
CH 250 × 34	33,9	43,2	250	85	13,0	9,2	13,5	7,0	2,20	4 000	320	9,63	240	38,2	2,36
CH 300 × 45	45,2	57,5	300	100	15,0	10,0	15,0	8,0	2,60	7 800	520	11,6	452	61,1	2,80
CH 350 × 52	51,8	66,0	350	100	16,0	10,5	16,0	8,0	2,48	11 900	678	13,4	496	66,3	2,74
CH 400 × 59	58,9	75,0	400	100	17,0	11,0	17,0	8,5	2,38	17 200	858	15,2	541	71,0	2,68

* The fillet and toe radii (R and r) are given only for information and for calculating the properties of the sections.