

Hot Rolled Sheets: Hoesch (Z) Sections

Section width per D = 1150 mm

Section	Elastic section modulus W_y cm ³	Plastic section modulus W_{py} cm ³	Weight kg/m	Cross sectional area cm ²	Circumference ¹⁾ cm	Coating area ²⁾ m ² /m	Static moment S_y cm ³	Second moment of inertia I_y cm ⁴	Radius of gyration i_y cm	Classification to ENV 1993-5		
										S 240 GP	S 355 GP	S 430 GP
HOESCH 1105	1100	1256	101.0	128.7	259	2.59	628	14300	10.54	2	3	3
per m wall												
per E	628		58.1	74.0	163	1.54	–	8223	10.54	–	–	–
per D	1266		116.2	148.0	304	2.95	–	16446	10.54	–	–	–
per Dr ³⁾	1899		174.3	222.0	445	4.36	–	24669	10.54	–	–	–
HOESCH 1205	1140	1330	107	135.7	259	2.59	665	14820	10.40	2	3	3
per m wall												
per E	655		61.5	78.0	163	1.54	–	8520	10.40	–	–	–
per D	1310		123	156.0	304	2.95	–	17040	10.40	–	–	–
per Dr ³⁾	1970		184.5	234.0	445	4.36	–	25560	10.40	–	–	–
HOESCH 1205 K	1200	1380	112.5	143.3	259	2.59	690	15600	10.46	2	2	3
per m wall												
per E	690		64.7	82.4	163	1.54	–	8970	10.46	–	–	–
per D	1380		129.4	164.8	304	2.95	–	17940	10.46	–	–	–
per Dr ³⁾	2070		194.1	247.2	445	4.36	–	26910	10.46	–	–	–
HOESCH 1255	1250	1446	118.0	150.3	259	2.59	723	16250	10.40	2	2	3
per m wall												
per E	719		67.9	86.4	163	1.54	–	9340	10.40	–	–	–
per D	1438		135.8	172.8	304	2.95	–	18690	10.40	–	–	–
per Dr ³⁾	2157		203.7	259.2	445	4.36	–	28030	10.40	–	–	–
HOESCH 1605	1600	1812	107.0	136.3	270	2.70	906	28000	14.33	2	3	3
per m wall												
per E	920		61.5	78.4	177	1.68	–	16100	14.33	–	–	–
per D	1840		123.0	156.8	332	3.23	–	32200	14.33	–	–	–
per Dr ³⁾	2760		184.5	235.2	487	4.78	–	48300	14.33	–	–	–
HOESCH 1655	1650	1886	111.9	142.5	270	2.70	943	28870	14.23	2	3	3
per m wall												
per E	949		64.3	82.0	177	1.68	–	16600	14.23	–	–	–
per D	1898		128.6	164.0	332	3.23	–	33200	14.23	–	–	–
per Dr ³⁾	2847		192.9	246.0	487	4.78	–	49809	14.23	–	–	–
HOESCH 1705	1720	1978	116.0	148.0	270	2.70	989	30100	14.27	2	3	3
per m wall												
per E	989		66.7	85.0	177	1.68	–	17308	14.27	–	–	–
per D	1978		133.4	170.0	332	3.23	–	34615	14.27	–	–	–
per Dr ³⁾	2967		200.1	255.0	487	4.78	–	51923	14.27	–	–	–
HOESCH 1705 K	1700	1958	117.0	149.0	270	2.70	979	29750	14.13	2	3	3
per m wall												
per E	978		67.3	85.7	177	1.68	–	17106	14.13	–	–	–
per D	1955		134.6	171.4	332	3.23	–	34213	14.13	–	–	–
per Dr ³⁾	2933		201.9	257.1	487	4.78	–	51319	14.13	–	–	–