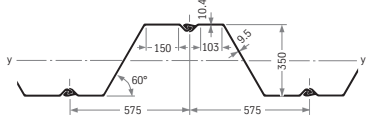
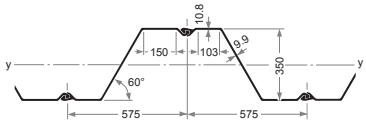
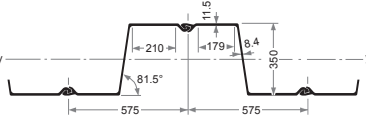
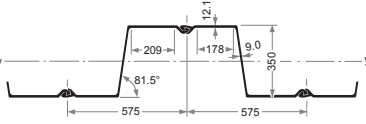
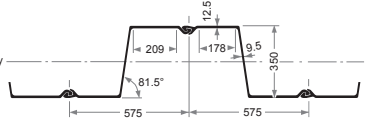
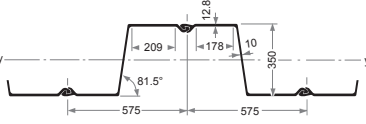
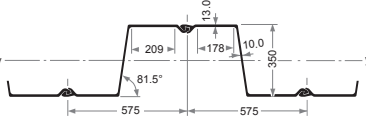
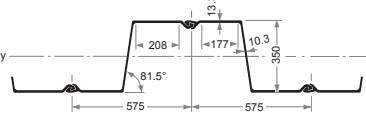


# Hot Rolled Sheets: Hoesch (Z) Sections

Section width per D = 1150 mm

Section	Elastic section modulus $W_y$ cm <sup>3</sup>	Plastic section modulus $W_y$ cm <sup>3</sup>	Weight kg/m	Cross sectional area cm <sup>2</sup>	Circumference <sup>1)</sup> cm	Coating area <sup>2)</sup> m <sup>2</sup> /m	Static moment $S_y$ cm <sup>3</sup>	Second moment of inertia $I_y$ cm <sup>4</sup>	Radius of gyration $i_y$ cm	Classification to ENV 1993-5		
										Steel grades S 240 GP   S 355 GP   S 430 GP		
<b>HOESCH 1755</b>	<b>1750</b>	<b>2018</b>	<b>120.8</b>	<b>153.9</b>	<b>270</b>	<b>2.70</b>	<b>1009</b>	<b>30625</b>	<b>14.11</b>	<b>2</b>	<b>2</b>	<b>3</b>
 per E	1006		69.5	88.5	177	1.68	–	17610	14.11	–	–	–
per D	2012		139.0	177.0	332	3.23	–	35220	14.11	–	–	–
per Dr <sup>3)</sup>	3018		208.5	265.5	487	4.78	–	52830	14.11	–	–	–
<b>HOESCH 1805</b>	<b>1800</b>	<b>2082</b>	<b>125.0</b>	<b>159.2</b>	<b>270</b>	<b>2.70</b>	<b>1041</b>	<b>31500</b>	<b>14.06</b>	<b>2</b>	<b>2</b>	<b>2</b>
 per E	1035		71.9	91.6	177	1.68	–	18110	14.06	–	–	–
per D	2070		143.8	183.0	332	3.23	–	36230	14.06	–	–	–
per Dr <sup>3)</sup>	3105		215.7	275.0	487	4.78	–	54340	14.06	–	–	–
<b>HOESCH 2305</b>	<b>2320</b>	<b>2586</b>	<b>142.3</b>	<b>181.3</b>	<b>303</b>	<b>3.03</b>	<b>1293</b>	<b>40600</b>	<b>14.97</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1334		81.8	104.2	196	1.87	–	23350	14.97	–	–	–
per D	2668		163.6	208.4	369	3.60	–	46690	14.97	–	–	–
per Dr <sup>3)</sup>	4002		245.4	312.6	542	5.33	–	70040	14.97	–	–	–
<b>HOESCH 2405</b>	<b>2400</b>	<b>2676</b>	<b>148.0</b>	<b>188.5</b>	<b>303</b>	<b>3.03</b>	<b>1338</b>	<b>42000</b>	<b>14.93</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1380		85.1	108.4	196	1.87	–	24150	14.93	–	–	–
per D	2760		170.2	216.8	369	3.60	–	48300	14.93	–	–	–
per Dr <sup>3)</sup>	4140		255.3	325.2	542	5.33	–	72450	14.93	–	–	–
<b>HOESCH 2505</b>	<b>2480</b>	<b>2760</b>	<b>152.0</b>	<b>193.0</b>	<b>303</b>	<b>3.03</b>	<b>1380</b>	<b>43400</b>	<b>14.90</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1426		87.4	111.0	196	1.87	–	24955	14.90	–	–	–
per D	2852		174.8	222.0	369	3.60	–	49910	14.90	–	–	–
per Dr <sup>3)</sup>	4278		262.2	333.0	542	5.33	–	74865	14.90	–	–	–
<b>HOESCH 2555 K</b>	<b>2540</b>	<b>2820</b>	<b>155.0</b>	<b>197.4</b>	<b>303</b>	<b>3.03</b>	<b>1410</b>	<b>44450</b>	<b>14.80</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1460		89.1	113.5	196	1.87	–	25550	14.80	–	–	–
per D	2920		178.2	227.0	369	3.60	–	51100	14.80	–	–	–
per Dr <sup>3)</sup>	4380		267.3	340.5	542	5.33	–	76650	14.80	–	–	–
<b>HOESCH 2555</b>	<b>2550</b>	<b>2840</b>	<b>158.1</b>	<b>201.3</b>	<b>303</b>	<b>3.03</b>	<b>1420</b>	<b>44625</b>	<b>14.89</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1466		90.9	115.7	196	1.87	–	25660	14.89	–	–	–
per D	2932		181.8	231.4	369	3.60	–	51320	14.89	–	–	–
per Dr <sup>3)</sup>	4398		272.7	347.1	542	5.33	–	76980	14.89	–	–	–
<b>HOESCH 2605</b>	<b>2600</b>	<b>2910</b>	<b>162.3</b>	<b>206.8</b>	<b>303</b>	<b>3.03</b>	<b>1455</b>	<b>45500</b>	<b>14.83</b>	<b>2</b>	<b>3</b>	<b>3</b>
 per E	1495		93.3	118.9	196	1.87	–	26160	14.83	–	–	–
per D	2990		186.6	237.8	369	3.60	–	52330	14.83	–	–	–
per Dr <sup>3)</sup>	4485		279.9	356.7	542	5.33	–	78490	14.83	–	–	–