

ACEROS ESTRUCTURALES

TABLAS DE PERFILERIA

VIGAS W-H

Nombre Comercial	Designación	Altura mm	Aleta mm	Espesor Altura mm	Espesor Aleta mm	Peso Kg/m mm
H 4	HEA 100	96	100	5.0	8.0	16.7
H 5	HEA 120	114	120	5.0	8.0	19.9
H 5 1/2	HEA 140	133	140	5.5	8.5	24.7
H 6	HEA 160	152	160	6.0	9.0	30.4
H 6	WF 6 X15	152	152	5.8	6.6	22.4
H 7	HEA 180	171	180	6.0	9.5	35.5
H 8	HEA 200	190	200	6.5	10.0	42.3
H 8	WF 8 X 31	203	203	7.2	11.0	46.2
H 9	HEA 220	210	220	7.0	11.0	50.5
H 9 1/2	HEA 240	230	240	7.5	12.0	60.3
H 10	HEA 260	250	260	7.5	12.5	68.2
H 11	HEA 280	270	280	8.0	13.0	76.4
H 12	HEA 300	290	300	8.5	14.0	88.3
H 14	HEA 360	350	300	10.0	17.5	112.0
H 16	HEA 400	390	300	11.0	19.0	125.0
H 18	HEA 450	440	300	11.5	21.0	140.0

VIGAS S-I

Nombre Comercial	Designación	Altura mm	Aleta mm	Espesor Altura mm	Espesor Aleta mm	Peso Kg/m mm
I 3	S 3 x 5.7	76	59.1	4.3	6.6	8.5
I 80	IPE 80	80	46.0	3.8	5.2	6.0
I 4	S 4 x 7.7	102	67.6	4.9	7.4	11.5
I 100	IPE 100	100	55.0	4.1	5.7	8.1
I 6	S 6 x 12.5	152	84.6	5.9	9.1	18.6
I 120	IPE 120	120	64.0	4.4	6.3	10.4
I 140	IPE 140	140	73.0	4.7	6.9	12.9
I 160	IPE 160	160	82.0	5.0	7.4	15.8
I 180	IPE 180	180	91.0	5.3	8.0	18.8
I 200	IPE 200	200	100.0	5.6	8.5	22.4
I 220	IPE 220	220	110.0	5.9	9.2	26.2
I 240	IPE 240	240	120.0	6.2	9.8	30.7
I 270	IPE 270	270	135.0	6.6	10.2	36.1
I 300	IPE 300	300	150.0	7.1	10.7	42.2
I 330	IPE 330	330	160.0	7.5	11.5	49.1
I 360	IPE 360	360	170.0	8.0	12.7	57.1
I 400	IPE 400	400	180.0	8.6	13.5	66.3
I 450	IPE 450	450	190.0	9.4	14.6	77.6

VIGAS C -CANAL U

Nombre Comercial	Designación	Altura mm	Aleta mm	Espesor Altura mm	Espesor Aleta mm	Peso Kg/m mm
U 3 X 1 1/2	C3 X 4.1	76.2	35.8	4.3	6.9	6.1
U 80	UPN 80	80.0	45.0	6.0	8.0	8.6
U 4 X 1 1/2	C 4 X 5.4	101.6	40.1	4.6	7.5	8.0
U 100	UPN 100	100.0	50.0	6.0	8.5	10.6
U 120	UPN 120	120.0	55.0	7.0	9.0	13.4
U 6 X 2	C 6 X 8.2	152.4	48.8	5.1	8.7	12.2
U 160	UPN 160	160.0	65.0	7.5	10.5	18.9
U 200	UPN 200	200.0	75.0	8.5	11.5	25.3
U 8 X 2 1/4	C 8 X 11.5	203.2	57.4	5.6	9.9	17.1
U 10 X 2 1/2	C 10 X 15.3	254.0	66.0	6.1	11.1	22.8

LINEA DE ACEROS ESTRUCTURALES - ANGULOS (KG/M)

ANCHO	ESPESOR								
	2.5 mm	3.0 mm	1/8"	4.5 mm	3/16"	1/4"	5/16"	3/8"	1/2"
19 mm	0.746	0.824	0.938						
25 mm	0.981	1.106		1.607					
1			1.190		1.730	2.222			
1 1/4			1.503		2.200	2.860			
1 1/2			1.823		2.678	3.480			
2			2.520		3.630	4.750	5.830	6.990	
2 1/2					4.610	6.100	7.440	8.780	12.661
3					5.520	7.290	9.080	10.720	13.800
4						9.820	12.200	14.580	19.050
5								18.300	21.110
6								22.200	29.170

LINEA DE ACEROS ESTRUCTURALES - PLATINAS (KG/M)

ANCHO	ESPESOR									
	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	
1/2	0.320	0.480	0.640							
5/8	0.400	0.600	0.790							
3/4	0.480	0.710	0.950							
1	0.630	0.950	1.270	1.900	2.530	3.160	3.800			
1 1/4	0.790	1.190	1.590							
1 1/2	0.950	1.430	1.900	2.850	3.800	4.750	5.700			
2	1.270	1.900	2.530	3.800	5.070	6.330	7.600	10.130		
2 1/2	1.580	2.380	3.170	4.750	6.330	7.920	9.500	12.650		
3	1.900	2.850	3.800	5.700	7.600	9.500	11.400	15.200	18.980	
3 1/2		3.370	4.440	6.640	8.860	11.070	13.290	17.730	22.130	
4		3.800	5.070	7.600	10.130	12.660	15.200	20.260	25.300	
5			6.330	9.500	12.660	15.830	18.990	25.330	31.630	
6			7.600	11.390	15.200	18.990	22.790	30.390	37.960	

LÁMINA PERFORADA

PERFORACIÓN REDONDA

Espe- sor mm	R ∅ mm	Distancia T (mm)	Coef. %
0.5	0.5	1.5	10
0.8	0.8	2.0	26
1.0	1.0	2.0	23
1.0	1.2	2.25	26
1 y 1.5	1.5	3.0	23
1.0	1.8	3.0	33
1 y 1.5	2.0	3.5	30
1 y 1.5	2.5	4.0	35
1 y 1.5	3.0	4.0	33
1 y 1.5	4.0	6.0	40
1 y 1.5	5.0	7.0	46
1 y 1.5	6.0	8.5	44
1 y 1.5	7.0	10.0	44
1 y 1.5	8.0	12.0	48
1 y 1.5	9.0	13.0	45
1 y 1.5	10.0	14.0	46
1 y 1.5	12.0	16.0	51
1 y 1.5	15.0	18.0	63
1 y 1.5	20.0	25.0	58
1 y 1.5	25.0	34.0	49

PERFORACIÓN ALARGADA

Espe- sor mm	R ∅ mm	Distancia T (mm)	Coef. %
1.0	1.0 x 20	5 x 16	50.0
1 y 1.5	1.5 x 20	4 x 26	28.3
1 y 1.5	1.75 x 20	4 x 26	27.0
1.5	2.0 x 20	5 x 25	31.0
1 y 1.5	3.0 x 20	6 x 26	37.2
1 y 1.5	4.0 x 20	16 x 25	38.2
1 y 1.5	5.0 x 20	10 x 25	37.8

PERFORACIÓN MOLINERA

Espe- sor mm	R ∅ mm	Distancia T (mm)	Coef. %
1 y 2	2.0	3.0	40
1.2 y 5	2.5	3.5	46
1 y 3	3.0	4.0	51
1.5 y 3	4.0	5.5	48
1.5 y 3	5.0	6.5	54
2 y 3	6.0	7.5	58
3	7.0	10.0	44
3	8.0	11.0	48