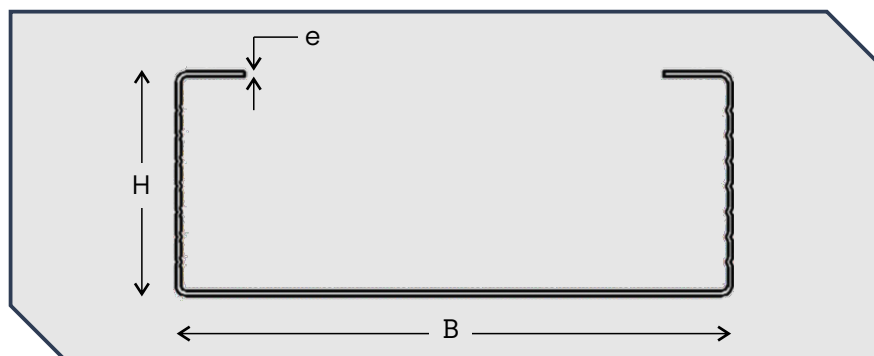


SERIE PMH

Perfiles tipo PARAL Norma NTC 5680 - NTC 5681



Propiedades físicas

PERFILES TIPO PARAL SERIE PMH							PROPIEDADES EFECTIVAS	
	Alma [B]		Aleta [H]		Espesor de diseño [e]	Área de la sección	I_x (*)	M_n/ϕ_b (**)
Referencia	[mm]	[pulg]	[mm]	[pulg]	[mm]	[mm ²]	[mm ⁴]	[N-m]
P25016224	63.50	2 1/2	41.28	1 5/8	0.52	83.82	58575.95	186.46
P25016222	63.50	2 1/2	41.28	1 5/8	0.67	107.30	74603.93	256.62
P25016220	63.50	2 1/2	41.28	1 5/8	0.82	130.47	90216.29	324.07
P25016220N	63.50	2 1/2	41.28	1 5/8	0.87	142.04	96559.49	387.62
P35016224	88.90	3 1/2	41.28	1 5/8	0.52	100.50	129188.42	297.49
P35016222	88.90	3 1/2	41.28	1 5/8	0.67	128.75	164840.03	417.47
P35016220	88.90	3 1/2	41.28	1 5/8	0.82	156.69	199737.96	543.49
P35016220N	88.90	3 1/2	41.28	1 5/8	0.87	164.00	208702.79	579.04
P35016218	88.90	3 1/2	41.28	1 5/8	1.12	210.90	265486.61	793.32
P35016216	88.90	3 1/2	41.28	1 5/8	1.42	263.62	327494.72	980.92
P36216224	92.08	3 5/8	41.28	1 5/8	0.52	102.17	140045.29	308.98
P36216222	92.08	3 5/8	41.28	1 5/8	0.67	130.89	178719.10	433.93
P36216220	92.08	3 5/8	41.28	1 5/8	0.82	159.31	216590.02	565.35
P36216220N	92.08	3 5/8	41.28	1 5/8	0.87	166.74	226296.32	602.72
P36216218	92.08	3 5/8	41.28	1 5/8	1.12	214.48	288016.15	828.65
P36216216	92.08	3 5/8	41.28	1 5/8	1.42	268.15	355457.23	1028.81
P40016224	101.60	4	41.28	1 5/8	0.52	107.17	175670.51	343.40
P40016222	101.60	4	41.28	1 5/8	0.67	137.32	224269.99	483.35
P40016220	101.60	4	41.28	1 5/8	0.82	167.16	271910.13	631.13
P40016220N	101.60	4	41.28	1 5/8	0.87	174.98	284176.75	673.88
P40016218	101.60	4	41.28	1 5/8	1.12	225.18	362020.09	933.91
P40016216	101.60	4	41.28	1 5/8	1.42	281.71	447367.91	1172.24

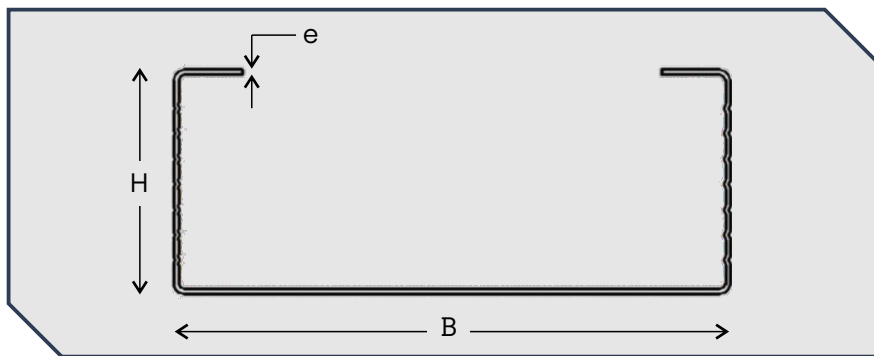
(*) Momento de inercia I_x , se da para cálculos de deflexión.

(**) Momento permisible, es tomado como el valor más bajo basado en el pandeo local o pandeo distorsional. Para el pandeo distorsional, $K_\phi=0$ y $\beta=1$



SERIE PMH

Perfiles tipo PARAL Norma NTC 5680 - NTC 5681



Propiedades físicas

PERFILES TIPO PARAL SERIE PMH							PROPIEDADES EFECTIVAS	
	Alma [B]		Aleta [H]		Espesor de diseño [e]	Área de la sección	I_x (*)	M_n/ϕ_b (**)
Referencia	[mm]	[pulg]	[mm]	[pulg]	[mm]	[mm ²]	[mm ⁴]	[N-m]
P45016222	114.30	4 1/2	41.28	1 5/8	0.67	145.88	294778.07	549.42
P45016220	114.30	4 1/2	41.28	1 5/8	0.82	177.64	357568.46	719.34
P45016220N	114.30	4 1/2	41.28	1 5/8	0.87	185.96	373767.22	769.49
P45016218	114.30	4 1/2	41.28	1 5/8	1.12	239.47	476720.41	1070.44
P45016216	114.30	4 1/2	41.28	1 5/8	1.42	299.80	589968.20	1363.79
P50016222	127.00	5	41.28	1 5/8	0.67	154.45	377055.75	615.19
P50016220	127.00	5	41.28	1 5/8	0.82	188.11	457558.17	807.49
P50016220N	127.00	5	41.28	1 5/8	0.87	199.15	483584.19	872.74
P50016218	127.00	5	41.28	1 5/8	1.12	253.75	610740.31	1207.89
P50016216	127.00	5	41.28	1 5/8	1.42	317.90	756755.82	1557.21
P55016222	139.70	5 1/2	41.28	1 5/8	0.67	163.02	471794.51	680.18
P55016220	139.70	5 1/2	41.28	1 5/8	0.82	198.58	572724.48	894.94
P55016220N	139.70	5 1/2	41.28	1 5/8	0.87	207.92	598842.58	960.58
P55016218	139.70	5 1/2	41.28	1 5/8	1.12	268.03	765232.51	1345.32
P55016216	139.70	5 1/2	41.28	1 5/8	1.42	335.99	949191.01	1755.45
P60016220	152.40	6	41.28	1 5/8	0.82	209.05	703912.61	983.32
P60016220N	152.40	6	41.28	1 5/8	0.87	218.90	736099.92	1055.18
P60016218	152.40	6	41.28	1 5/8	1.12	282.31	941349.75	1483.28
P60016216	152.40	6	41.28	1 5/8	1.42	354.08	1168733.99	1962.16

(*) Momento de inercia I_x , se da para cálculos de deflexión.

(**) Momento permisible, es tomado como el valor más bajo basado en el pandeo local o pandeo distorsional. Para el pandeo distorsional, $K_\phi=0$ y $\beta=1$

