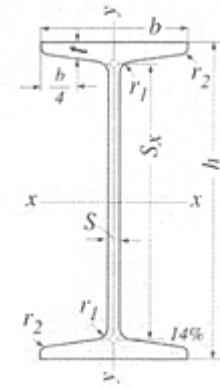


# Perfil Normal doble "T" - IPN

- F=** Sección  
**G=** Peso  
**J=** Momento de inercia  
**U=** Superficie exterior por metro de perfil  
**W=** Momento resistente  
**i=** Radio de giro  
**Sx=** Momento estático de media sección del perfil  
**sx=**  $J_x/S_x$  - Separación entre los centros de tracción y compresión



Denominación	Dimensiones en mm								Eje flexión x-x			Eje flexión y-y				
						F	G	U	$J_x$	$W_x$	$i_x$	$J_y$	$W_y$	$i_y=i_{1 \text{ min}}$	$S_x$	$s_x$
	h	b	$S=r_1$	t	$r_2$	cm <sup>2</sup>	Kg./m	m <sup>2</sup> /m	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>3</sup>	cm
80	80	42	3.9	5.9	2.3	7.57	5.94	0.304	77.8	19.5	3.20	6.29	3.00	0.91	11.4	6.84
100	100	50	4.5	6.8	2.7	10.60	8.34	0.370	171	34.2	4.01	12.2	4.88	1.07	19.9	8.57
120	120	58	5.1	7.7	3.1	14.20	11.10	0.439	328	54.7	4.81	22	7.41	1.23	31.8	10.30
140	140	66	5.7	8.6	3.4	18.20	14.30	0.502	573	81.9	5.61	35	10.70	1.40	47.4	12.00
160	160	74	6.3	9.5	3.8	22.80	17.90	0.575	935	117	6.40	55	14.80	1.55	68.0	13.70
180	180	82	6.9	10.4	4.1	27.90	21.90	0.640	1,450	161	7.20	81	19.80	1.71	93.4	15.50
200	200	90	7.5	11.3	4.5	33.40	26.20	0.709	2,140	214	8.00	117	26.00	1.87	125	17.20
220	220	98	8.1	12.2	4.9	39.50	31.10	0.775	3,060	278	8.80	162	33.10	2.02	162	18.90
240	240	106	8.7	13.1	5.2	46.10	36.20	0.844	4,250	354	9.59	221	41.70	2.20	206	20.60
260	260	113	9.4	14.1	5.6	53.30	41.90	0.906	5,740	442	10.40	288	51.00	2.32	257	22.30
280	280	119	10.1	15.2	6.1	61.00	47.90	0.966	7,590	542	11.10	364	61.20	2.45	316	24.00
300	300	125	10.8	16.2	6.5	69.00	54.20	1.030	9,800	653	11.90	451	72.20	2.56	381	25.70
320	320	131	11.5	17.3	6.9	77.70	61.00	1.090	12,510	782	12.70	555	84.70	2.67	457	27.40
340	340	137	12.2	18.3	7.3	86.70	68.00	1.150	15,700	923	13.50	674	98.40	2.80	540	29.10
360	360	143	13.0	19.5	7.8	97.00	76.10	1.210	19,610	1,090	14.20	818	114	2.90	638	30.70
380	380	149	13.7	20.5	8.2	107.00	84.00	1.270	24,010	1,260	15.00	975	131	3.02	741	32.40
400	400	155	14.4	21.6	8.6	118.00	92.40	1.330	29,210	1,460	15.70	1,160	149	3.13	857	34.10
425	425	163	15.3	23.0	9.2	132.00	104.00	1.410	36,970	1,740	16.70	1,440	176	3.30	1,020	36.20
450	450	170	16.2	24.3	9.7	147.00	115.00	1.480	45,850	2,040	17.70	1,730	203	3.43	1,200	38.30
475	475	178	17.1	25.6	10.3	163.00	128.00	1.550	56,480	2,380	18.60	2,090	235	3.60	1,400	40.40
500	500	185	18.0	27.0	10.8	179.00	141.00	1.630	68,740	2,750	19.60	2,480	268	3.72	1,620	42.40
550	550	200	19.0	30.0	11.9	212.00	166.00	1.800	99,180	3,610	21.60	3,490	349	4.02	2,120	46.80
600	600	215	21.6	32.4	13.0	254.00	199.00	1.920	139,000	4,630	23.40	4,670	434	4.30	2,730	50.90