

P1001

A	= 6.70 cm ²
W/m	= 5.77 kg/m
I y-y	= 36.27 cm ⁴
Z y-y	= 8.78 cm ⁴
r y-y	= 2.32 cm
I z-z	= 18.46 cm ⁴
Z z-z	= 8.94 cm ⁴
r z-z	= 1.66 cm

HG **SS**

L(mm)	F		f=1/200L	f=1/360L	F ₀₅₀
	Fmax(kN)	fmax(mm)			
250	-	-	-	-	28.253
500	-	-	-	-	28.096
750	16.383	1.21	-	-	27.792
1000	12.292	2.15	-	-	27.301
1250	9.830	3.36	-	-	26.438
1500	8.191	4.84	-	7.044	25.025
1750	7.024	6.59	-	5.170	23.220
2000	6.141	8.61	-	3.963	21.288
2250	5.454	10.89	-	3.129	19.394
2500	4.915	13.45	4.562	2.531	17.619
2750	4.464	16.27	3.767	2.090	15.990
3000	4.091	19.37	3.169	1.756	14.519*

HG
Continuously Seam Welded

SS
Spot Welded

*180 ≤ kL/r < 250

P1001T

A	= 6.00 cm ²
W/m	= 5.47 kg/m
I y-y	= 36.21 cm ⁴
Z y-y	= 8.77 cm ⁴
r y-y	= 2.45 cm
I z-z	= 18.34 cm ⁴
Z z-z	= 8.88 cm ⁴
r z-z	= 1.74 cm

PO **PG** **HG** **SS**

L(mm)	F		f=1/200L	f=1/360L	F ₀₅₀
	Fmax(kN)	fmax(mm)			
250	-	-	-	-	27.458
500	-	-	-	-	27.311
750	16.363	1.21	-	-	27.027
1000	12.272	2.15	-	-	26.585
1250	9.820	3.36	-	-	25.830
1500	8.182	4.84	-	7.034	24.584
1750	7.014	6.59	-	5.170	22.906
2000	6.131	8.61	-	3.953	21.042
2250	5.454	10.90	-	3.120	19.198
2500	4.905	13.46	4.552	2.531	17.452
2750	4.464	16.28	3.767	2.090	15.8520
3000	4.091	19.38	3.159	1.756	14.391*

HG
Continuously Seam Welded

PO **PG** **SS**
Spot Welded

*180 ≤ kL/r < 250

Part No.	Length M		Finish				Slot Size (T)	
	3	6	PO	PG	HG	SS	25x11	28x14
P1001	•	•	•	•	•	•		
P1001T	•	•	•	•	•	•		•
P1001T10	•	•	•	•	•	•	•	

Stated loadings apply to mild steel products only.