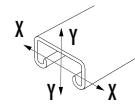
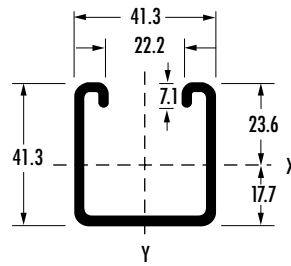
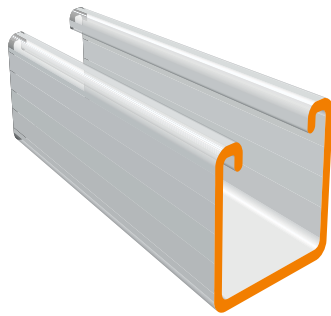


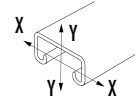
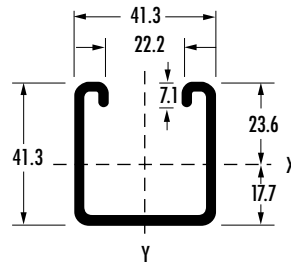
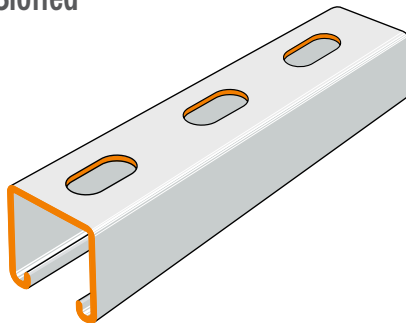
## 41x41x2.5 GP Plain



$I_{x-x} = 0.069 \cdot 10^6 \text{mm}^4$   
 $Z_{x-x} = 2.920 \cdot 10^3 \text{mm}^3$   
 $r_{x-x} = 14.5 \text{mm}$   
 $I_{y-y} = 0.092 \cdot 10^6 \text{mm}^4$   
 $Z_{y-y} = 4.451 \cdot 10^3 \text{mm}^3$   
 $r_{y-y} = 16.7 \text{mm}$

L(mm)	SWL(kN)	F	fmax(mm)	F(kN)
250	6.68		0.24	40.96
500	3.34		0.96	33.16
750	2.24		2.17	25.40
1000	1.67		3.85	19.97
1250	1.34		6.00	14.78
1500	1.11		8.66	11.88
1750	0.96		11.78	9.9
2000	0.83		15.39	8.41
2250	0.74		19.47	7.24
2500	0.66		24.03	6.31
2750	0.61		29.08	5.53
3000	0.56		34.62	-

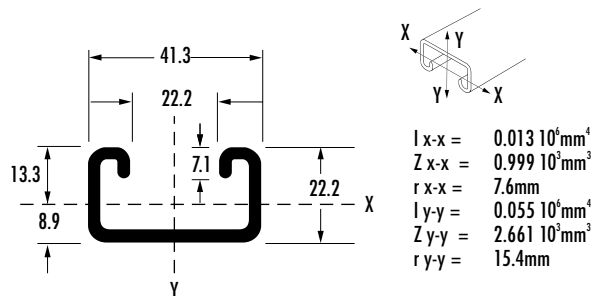
## 41x41x2.5 GP Slotted



$I_{x-x} = 0.059 \cdot 10^6 \text{mm}^4$   
 $Z_{x-x} = 2.698 \cdot 10^3 \text{mm}^3$   
 $r_{x-x} = 14.1 \text{mm}$   
 $I_{y-y} = 0.091 \cdot 10^6 \text{mm}^4$   
 $Z_{y-y} = 4.423 \cdot 10^3 \text{mm}^3$   
 $r_{y-y} = 17.6 \text{mm}$

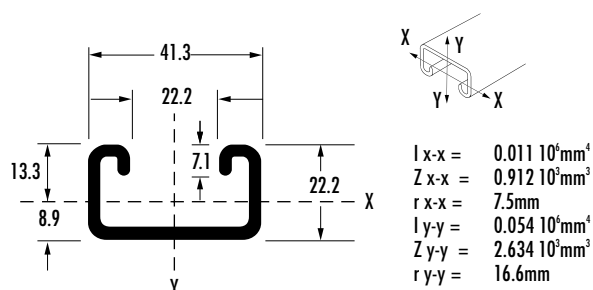
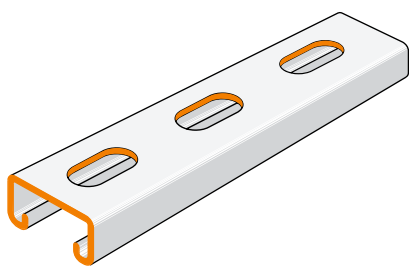
L(mm)	SWL(kN)	F	fmax(mm)	F(kN)
250	6.01		0.22	36.86
500	3.01		0.86	29.84
750	2.02		1.95	22.86
1000	1.51		3.47	17.37
1250	1.20		5.40	13.30
1500	1.00		7.79	10.69
1750	0.86		10.60	8.91
2000	0.75		13.85	7.57
2250	0.67		17.52	6.52
2500	0.60		21.63	5.68
2750	0.55		26.18	4.98
3000	0.51		31.15	-

41x21x2.5 GP Plain



L(mm)	SWL(kN)	f	f <sub>max</sub> (mm)	F(kN)
250	2.49		0.46	31.39
500	1.24		1.85	24.98
750	0.83		4.17	17.48
1000	0.62		7.41	10.87
1250	0.50		11.58	7.11
1500	0.42		16.68	5.00
1750	0.36		22.69	-
2000	0.31		29.65	-
2250	0.28		37.52	-
2500	0.25		46.32	-
2750	0.23		56.05	-
3000	0.21		66.69	-

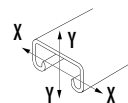
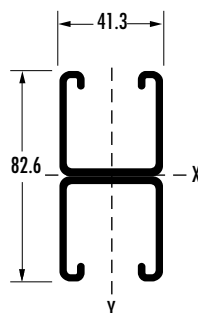
41x21x2.5 GP Slotted



L(mm)	SWL(kN)	f	f <sub>max</sub> (mm)	F(kN)
250	2.24		0.42	28.25
500	1.12		1.66	22.48
750	0.75		3.75	15.73
1000	0.56		6.68	9.78
1250	0.45		10.43	6.40
1500	0.38		15.00	4.50
1750	0.32		20.43	-
2000	0.28		26.69	-
2250	0.25		33.77	-
2500	0.23		41.69	-
2750	0.21		50.45	-
3000	0.19		60.03	-

## 41x41x2.5 GP

### Back to Back Plain

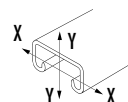
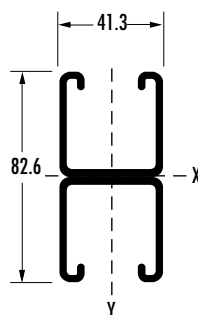


$I_{x-x} = 0.318 \cdot 10^6 \text{ mm}^4$   
 $Z_{x-x} = 7.711 \cdot 10^3 \text{ mm}^3$   
 $r_{x-x} = 22.0 \text{ mm}$   
 $I_{y-y} = 0.184 \cdot 10^6 \text{ mm}^4$   
 $Z_{y-y} = 8.902 \cdot 10^3 \text{ mm}^3$   
 $r_{y-y} = 16.7 \text{ mm}$

L(mm)	SWL(kN)	$f_{\text{max}}(\text{mm})$	F(kN)
250	11.54	0.09	87.94
500	8.81	0.55	84.68
750	5.88	1.24	79.52
1000	4.41	2.20	72.81
1250	3.53	3.44	65.01
1500	2.94	4.95	56.60
1750	2.52	6.74	48.06
2000	2.21	8.81	39.79
2250	1.96	11.14	32.06
2500	1.77	13.76	25.97
2750	1.60	16.65	21.47
3000	1.47	19.82	18.04

## 41x41x2.5 GP

### Back to Back Slotted



$I_{x-x} = 0.318 \cdot 10^6 \text{ mm}^4$   
 $Z_{x-x} = 7.711 \cdot 10^3 \text{ mm}^3$   
 $r_{x-x} = 22.0 \text{ mm}$   
 $I_{y-y} = 0.184 \cdot 10^6 \text{ mm}^4$   
 $Z_{y-y} = 8.902 \cdot 10^3 \text{ mm}^3$   
 $r_{y-y} = 16.7 \text{ mm}$

Mass: 5.18kg/m

L(mm)	F <sub>max</sub> (kN)	$f_{\text{max}}(\text{mm})$	F(kN)
250	10.26	0.09	78.17
500	7.83	0.55	75.27
750	5.23	1.24	70.68
1000	3.92	2.20	64.72
1250	3.13	3.44	57.78
1500	2.61	4.95	50.31
1750	2.24	6.74	42.72
2000	1.96	8.81	35.37
2250	1.74	11.14	28.50
2500	1.57	13.76	23.08
2750	1.43	16.65	19.08
3000	1.31	19.82	16.03