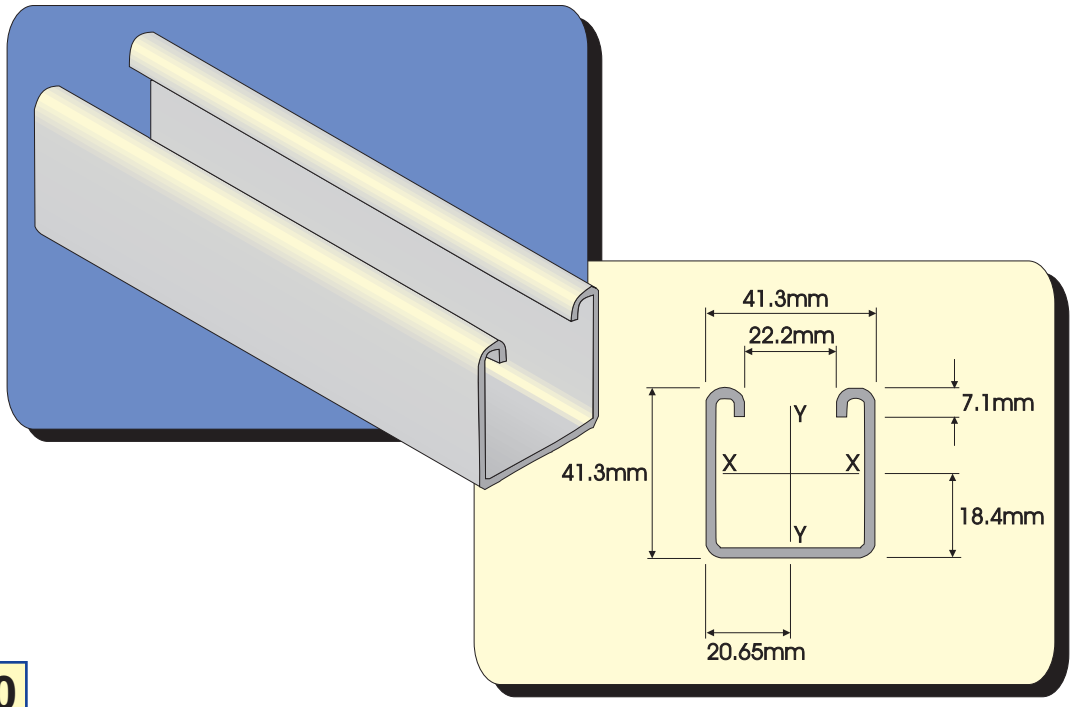
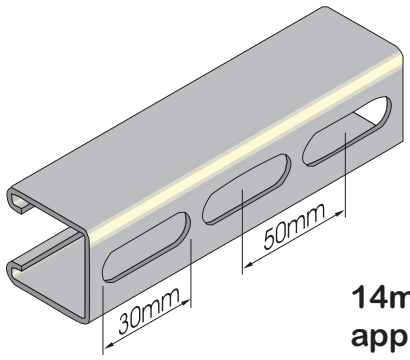


FM1000

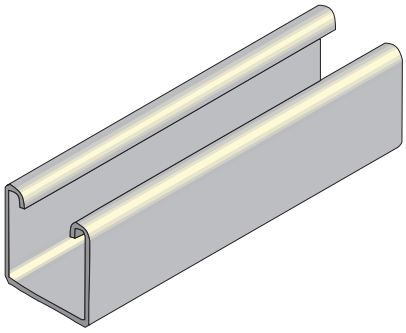
WEIGHT: 2.60kg/m
THICKNESS: 2.5mm
MATERIAL: 250MPa (min yield stress) mild steel
FINISHES: Plain, Galvabond, Hot Dipped Galvanised, Polyester Powder Coated, 316 GR Stainless Steel. (Other finishes available on request)

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHANNEL	WEIGHT kg/m	AREA OF SECTION mm^2	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^2$	RADIUS OF GYRATION r mm	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^3$	RADIUS OF GYRATION r mm
FM1000	2.60	331	.070	2.925	14.5	0.093	4.452	16.7
FM1001	5.20	662	.319	7.715	22.1	0.186	8.904	16.7

FM1000T



14mm x 30mm Slots at approx. 50mm centres.



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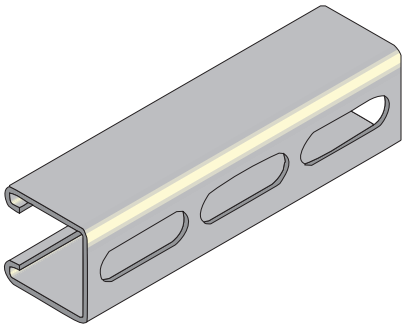
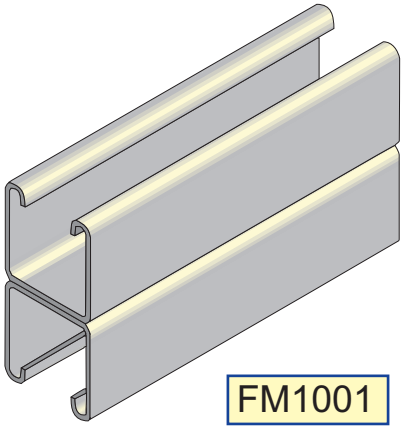


FM1000T



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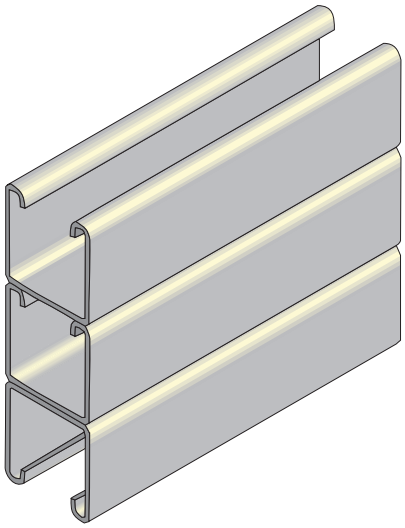

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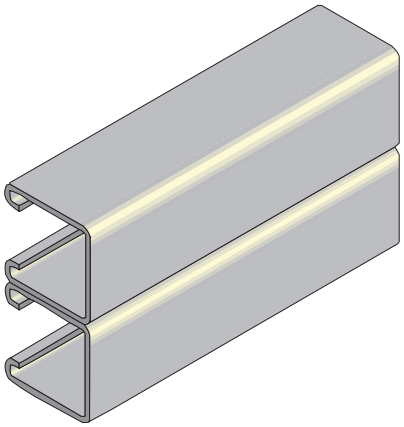
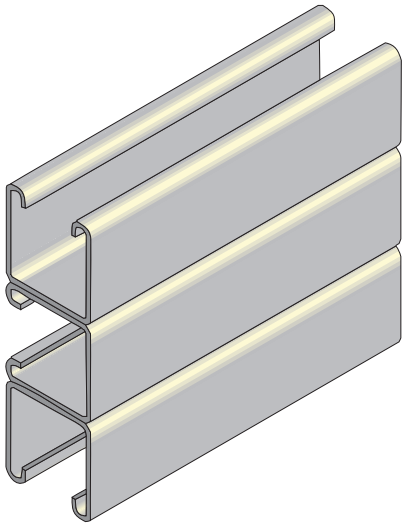


FM1001A



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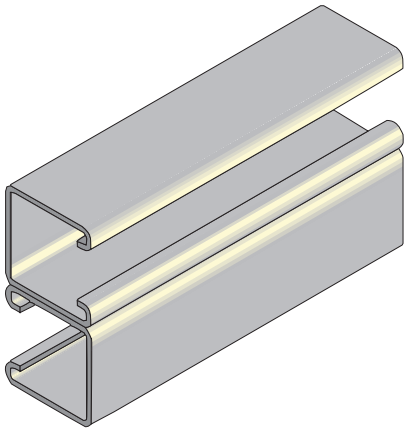
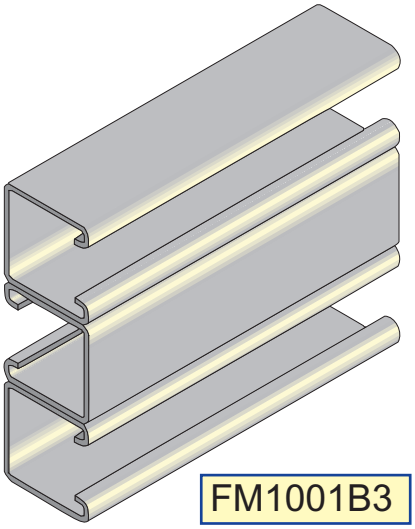


FM1001B



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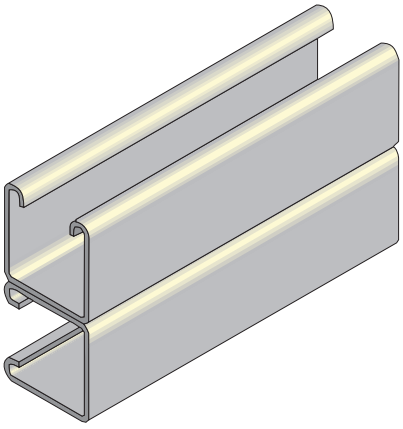

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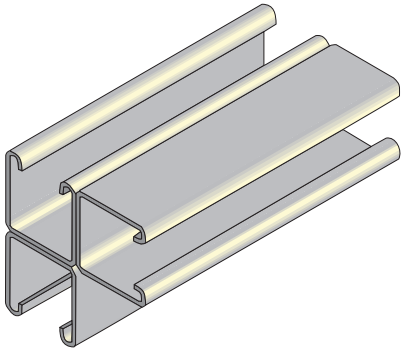
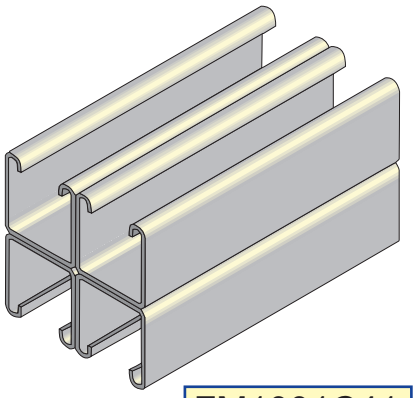


FM1001C3



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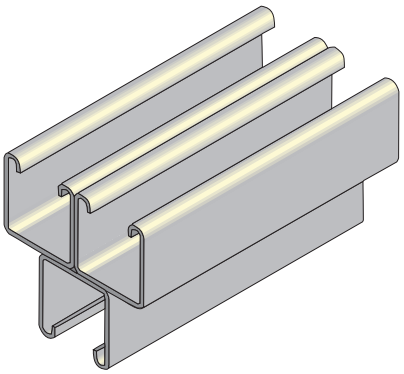
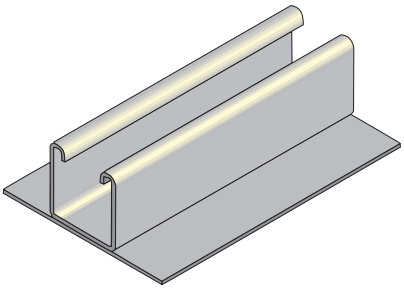
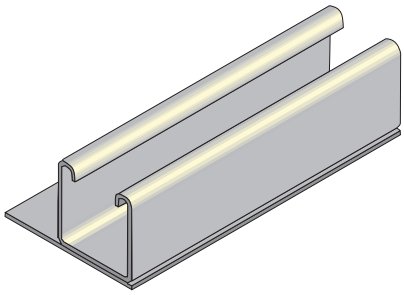


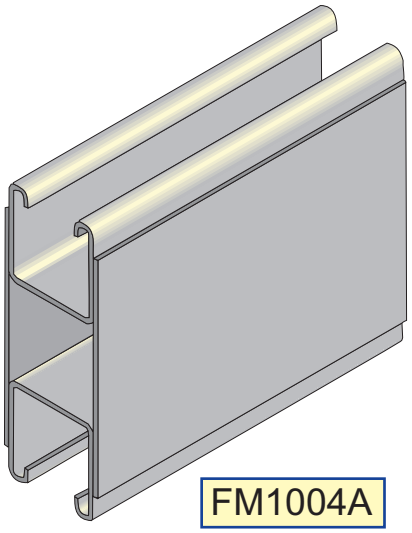
FM1001D3



FM1003



FM1003-1

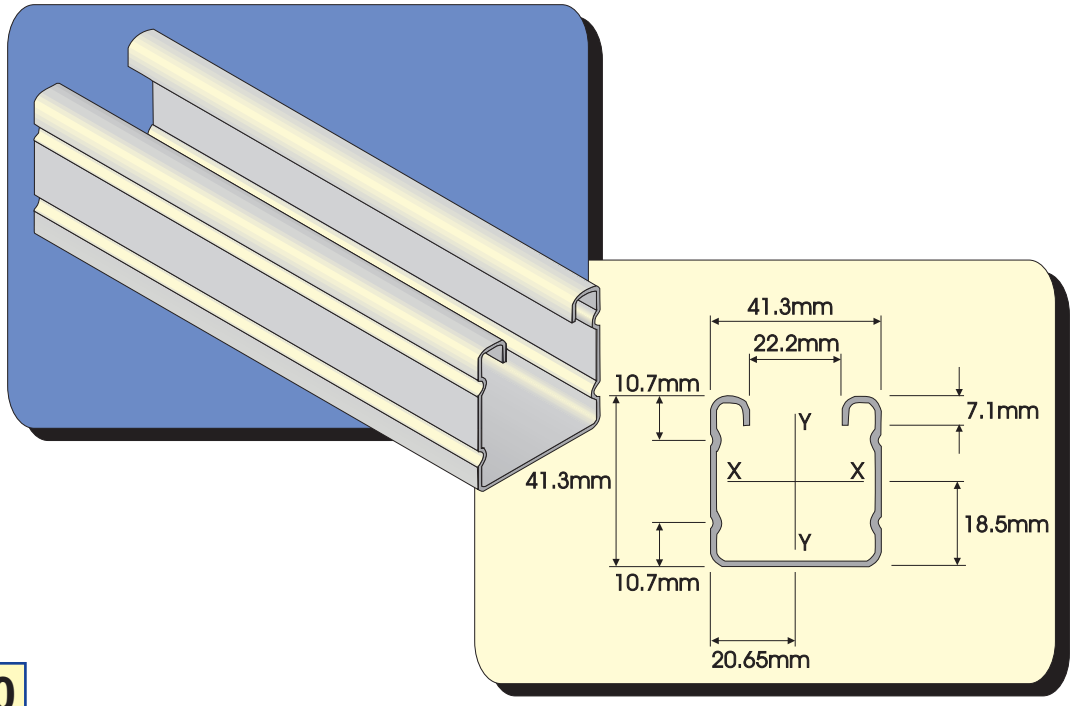


FM1004A

LOADING CRITERIA

-Loads indicated below are accordance with AS/NZS 4600 1996. Cold-formed steel structure
- Minimum yield stress : FY = 210 Mpa
- Beam Load and deflection data are based on a uniformly loaded simply supported beam
- For point load at mid span multiply maximum allowable load by .5 and deflection by .8
- Load values are for bending about the X-X axis only

BEAM SPAN OR UNSUPPORTED COLUMN HEIGHT (mm)	CHANNEL TYPE	BEAM MAX. ALLOWABLE LOAD (Kg)	DEFLECTION AT MAX. ALLOWABLE LOAD (mm)	COLUMN MAX. ALLOWABLE LOAD (KG)
250	FM1000	1485	0.22	4550
250	FM1001	2565	0.08	9770
500	FM1000	743	0.87	3685
500	FM1001	1958	0.50	9410
750	FM1000	495	1.97	2825
750	FM1001	1305	1.13	8835
1000	FM1000	350	3.50	2145
1000	FM1001	980	2.01	8091
1250	FM1000	296	5.47	1642
1250	FM1001	784	3.14	7225
1500	FM1000	248	7.87	1321
1500	FM1001	655	4.49	6290
1750	FM1000	215	10.71	1100
1750	FM1001	560	6.13	5342
2000	FM1000	186	13.99	936
2000	FM1001	489	8.01	4420
2250	FM1000	165	17.71	806
2250	FM1001	436	10.15	3560
2500	FM1000	148	21.86	700
2500	FM1001	395	12.52	2886
2750	FM1000	136	26.45	615
2750	FM1001	358	15.10	2385
3000	FM1000	125	31.46	N/R
3000	FM1001	325	18.03	2003

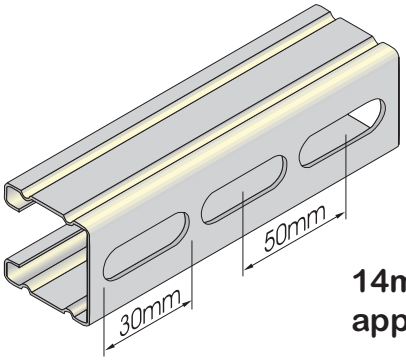


FM2000

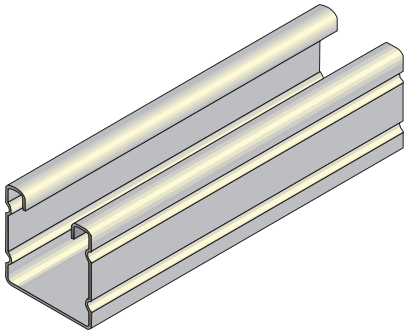
WEIGHT: 1.80kg/m
THICKNESS: 1.6mm
MATERIAL: 250MPa (min yield stress) mild steel
FINISHES: Plain, Galvabond, Hot Dipped Galvanised, Polyester Powder Coated (Other finishes available on request)

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHANNEL	WEIGHT kg/m	AREA OF SECTION mm^2	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^2$	RADIUS OF GYRATION r mm	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^3$	RADIUS OF GYRATION r mm
FM2000	1.80	229	0.053	2.300	15.2	0.066	3.150	16.9
FM2001	3.60	458	0.263	6.325	23.8	0.132	6.400	16.9

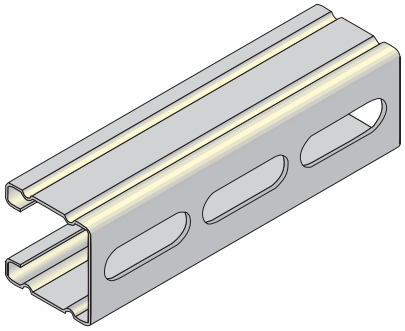
FM2000T



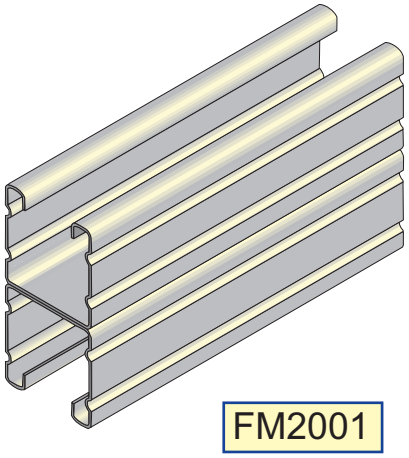
14mm x 30mm Slots at approx. 50mm centres.



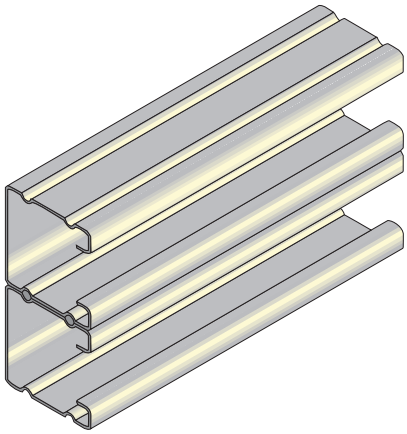
FM2000



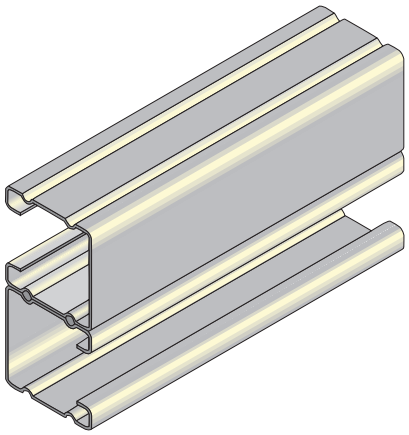
FM2000T



FM2001



FM2001A



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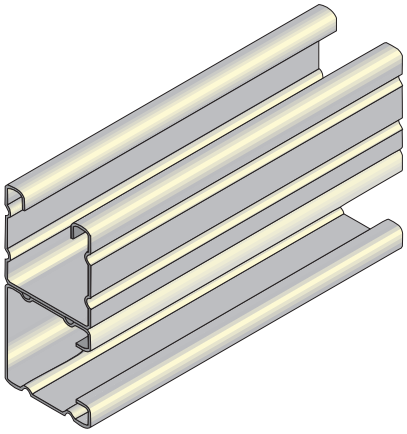

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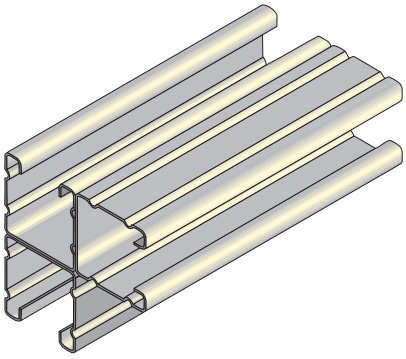
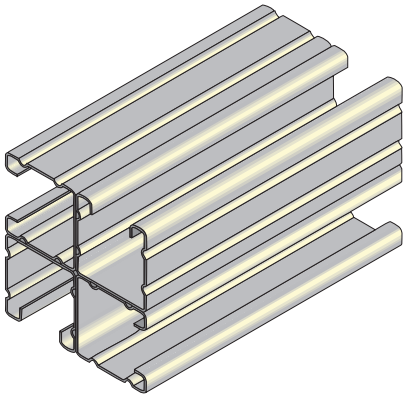
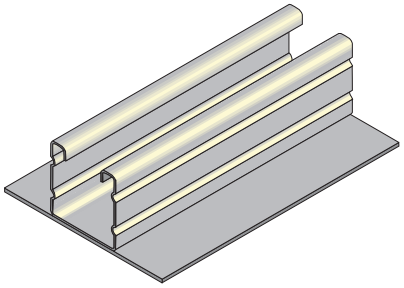


FM2001C3



FM2001C4

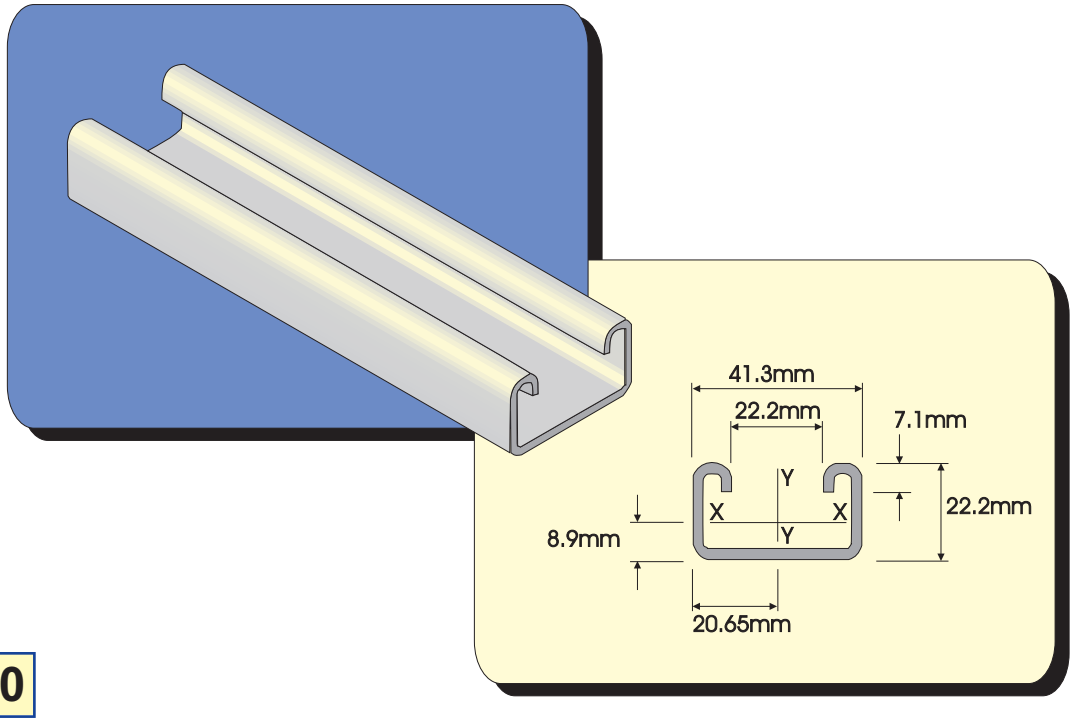


FM2003

LOADING CRITERIA

-Loads indicated below are accordance with AS/NZS 4600 1996. Cold-formed steel structure
- Minimum yield stress : FY = 210 Mpa
- Beam Load and deflection data are based on a uniformly loaded simply supported beam
- For point load at mid span multiply maximum allowable load by .5 and deflection by .8
- Load values are for bending about the X-X axis only

BEAM SPAN OR UNSUPPORTED COLUMN HEIGHT (mm)	CHANNEL TYPE	BEAM MAX. ALLOWABLE LOAD (Kg)	DEFLECTION AT MAX. ALLOWABLE LOAD (mm)	COLUMN MAX. ALLOWABLE LOAD (KG)
250	FM2000	1032	0.21	3293
250	FM2001	1180	0.05	7085
500	FM2000	610	0.93	2655
500	FM2001	1180	0.36	6820
750	FM2000	405	2.11	1922
750	FM2001	1110	1.16	6397
1000	FM2000	305	3.77	1292
1000	FM2001	835	2.08	5850
1250	FM2000	245	5.86	904
1250	FM2001	670	3.25	5216
1500	FM2000	205	8.49	690
1500	FM2001	555	4.68	4533
1750	FM2000	175	11.52	557
1750	FM2001	476	6.34	3840
2000	FM2000	135	8.40	547
2000	FM2001	350	4.62	3178
2250	FM2000	127	19.06	403
2250	FM2001	371	10.49	2549
2500	FM2000	120	23.54	354
2500	FM2001	334	12.99	2065
2750	FM2000	110	28.48	315
2750	FM2001	300	15.67	2065
3000	FM2000	102	33.90	283
3000	FM2001	278	18.65	1434

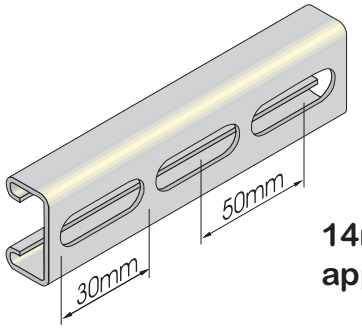


FM3300

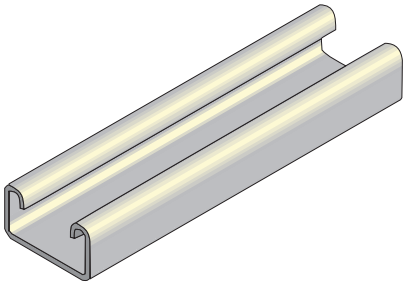
WEIGHT: 1.83kg/m
THICKNESS: 2.5mm
MATERIAL: 250MPa (min yield stress) mild steel
FINISHES: Plain, Galvabond, Hot Dipped Galvanised, Polyester Powder Coated (Other finishes available on request)

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHANNEL	WEIGHT kg/m	AREA OF SECTION mm^2	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^2$	RADIUS OF GYRATION r mm	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^3$	RADIUS OF GYRATION r mm
FM3300	1.83	233	0.013	1.000	7.6	0.056	2.662	15.4
FM3301	3.66	466	0.064	2.843	11.6	0.111	5.331	15.4

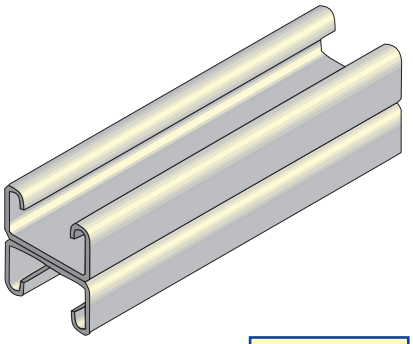
FM3300T



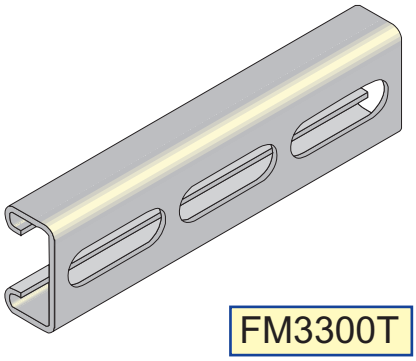
14mm x 30mm Slots at approx. 50mm centres.



FM3300



FM3301

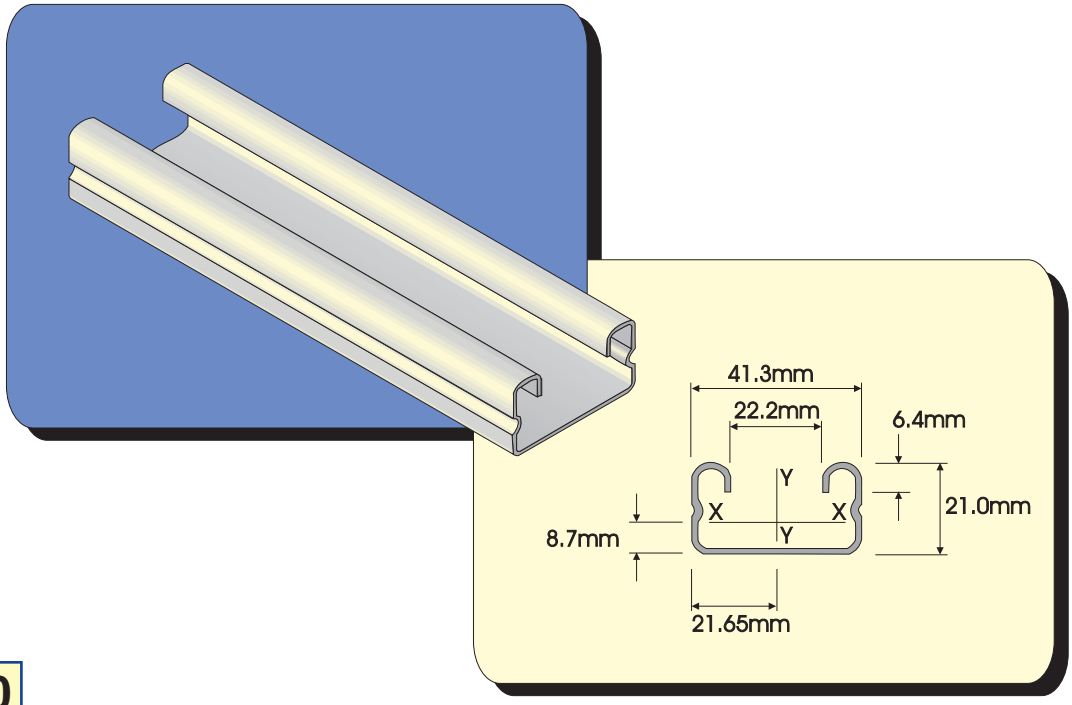


FM3300T

LOADING CRITERIA

-Loads indicated below are accordance with AS/NZS 4600 1996. Cold-formed steel structure
- Minimum yield stress : FY = 210 Mpa
- Beam Load and deflection data are based on a uniformly loaded simply supported beam
- For point load at mid span multiply maximum allowable load by .5 and deflection by .8
- Load values are for bending about the X-X axis only

BEAM SPAN OR UNSUPPORTED COLUMN HEIGHT (mm)	CHANNEL TYPE	BEAM MAX. ALLOWABLE LOAD (Kg)	DEFLECTION AT MAX. ALLOWABLE LOAD (mm)	COLUMN MAX. ALLOWABLE LOAD (KG)
250	FM3300	554	0.42	3490
250	FM3301	1560	0.26	7319
500	FM3300	278	1.69	2778
500	FM3301	780	1.02	6734
750	FM3300	185	3.78	1943
750	FM3301	520	2.27	5860
1000	FM3300	139	6.75	1210
1000	FM3301	392	4.03	4820
1250	FM3300	112	10.54	792
1250	FM3301	315	6.30	3750
1500	FM3300	93	15.18	560
1500	FM3301	261	9.07	2752
1750	FM3300	79	20.65	0.00
1750	FM3301	225	12.35	2022
2000	FM3300	70	26.96	0.00
2000	FM3301	196	16.10	1550
2250	FM3300	62	34.15	0.00
2250	FM3301	175	20.40	1225
2500	FM3300	56	42.15	0.00
2500	FM3301	157	25.15	0.00
2750	FM3300	51	50.98	0.00
2750	FM3301	143	30.45	0.00
3000	FM3300	47	60.65	0.00
3000	FM3301	131	36.20	0.00

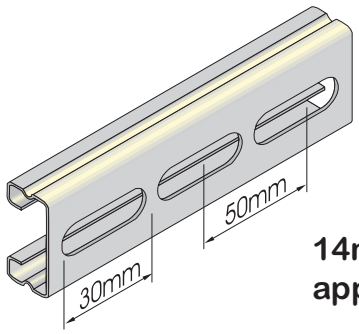


FM4000

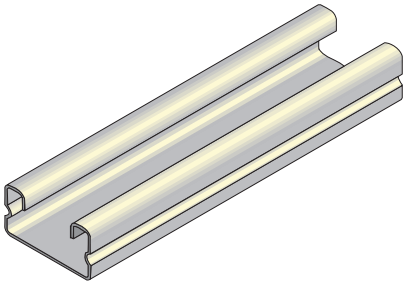
WEIGHT: 1.27kg/m
THICKNESS: 1.6mm
MATERIAL: 250MPa (min yield stress) mild steel
FINISHES: Plain, Galvabond, Hot Dipped Galvanised, Polyester Powder Coated (Other finishes available on request)

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHANNEL	WEIGHT kg/m	AREA OF SECTION mm^2	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^2$	RADIUS OF GYRATION r mm	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^3$	RADIUS OF GYRATION r mm
FM4000	1.27	161	0.010	0.787	7.8	0.040	1.881	15.6
FM4001	2.54	322	0.045	2.084	11.8	0.079	3.765	15.6

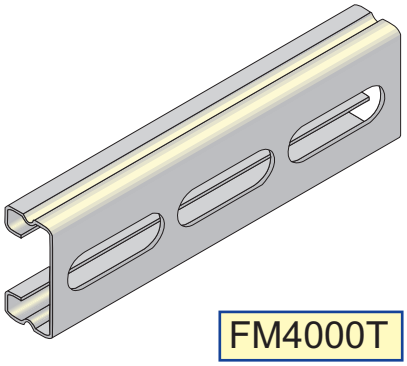
FM4000T



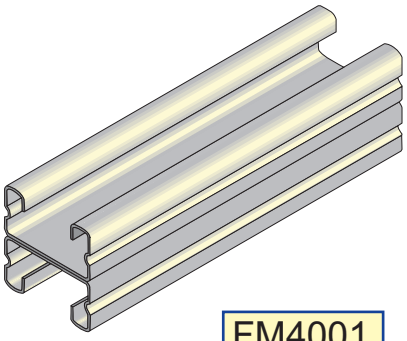
14mm x 30mm Slots at approx. 50mm centres.



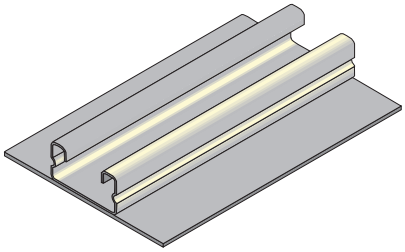
FM4000



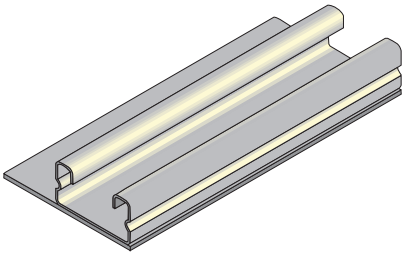
FM4000T



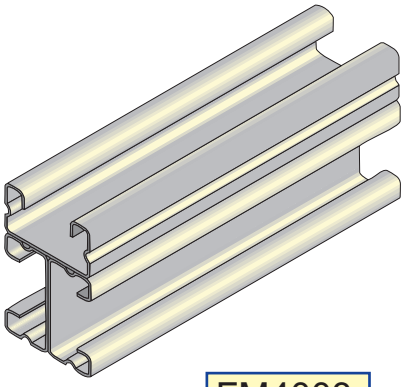
FM4001



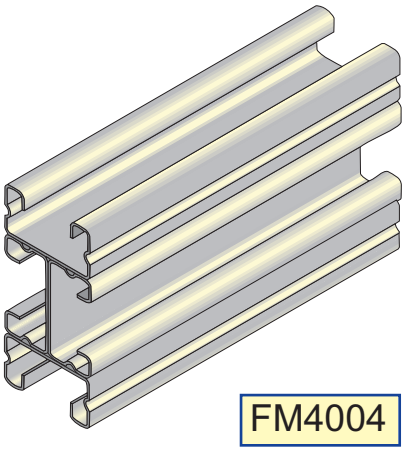
FM4002-1



FM4002-2



FM4003



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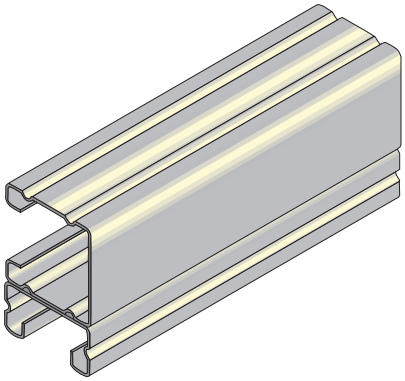
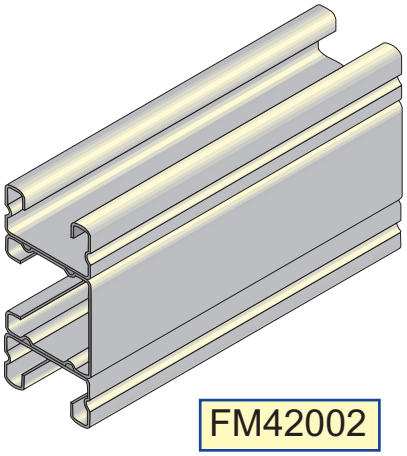


FM42001C

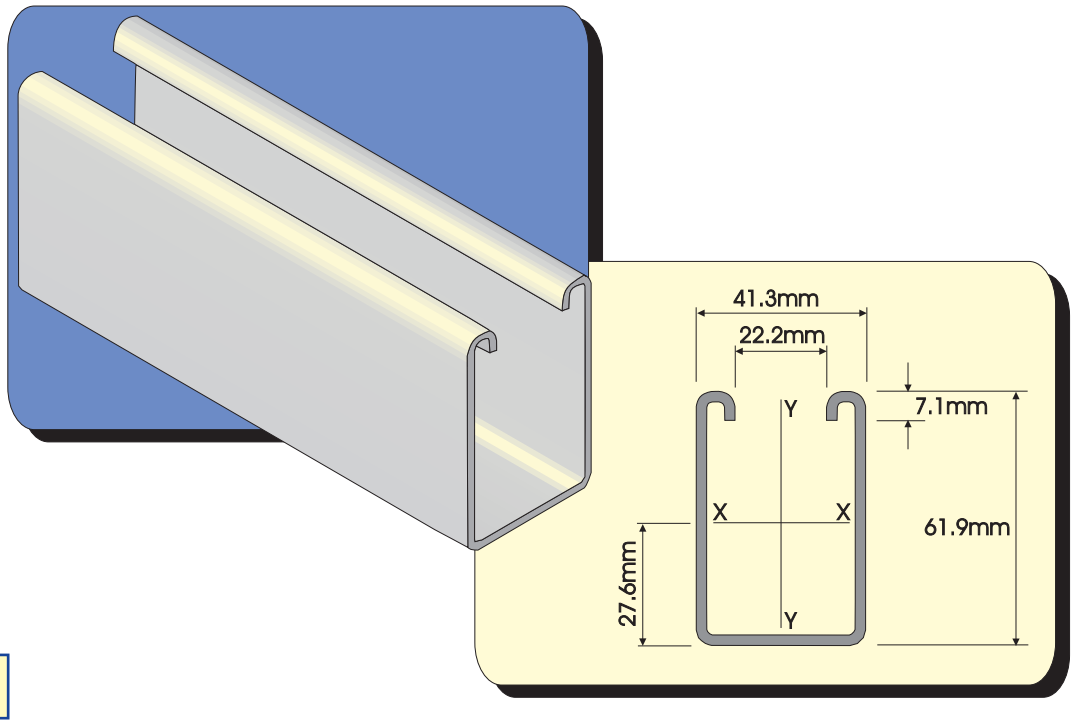


FM42002

LOADING CRITERIA

-Loads indicated below are accordance with AS/NZS 4600 1996. Cold-formed steel structure
- Minimum yield stress : FY = 210 Mpa
- Beam Load and deflection data are based on a uniformly loaded simply supported beam
- For point load at mid span multiply maximum allowable load by .5 and deflection by .8
- Load values are for bending about the X-X axis only

BEAM SPAN OR UNSUPPORTED COLUMN HEIGHT (mm)	CHANNEL TYPE	BEAM MAX. ALLOWABLE LOAD (Kg)	DEFLECTION AT MAX. ALLOWABLE LOAD (mm)	COLUMN MAX. ALLOWABLE LOAD (KG)
250	FM4000	422	.45	2238
250	FM4001	1040	.25	4906
500	FM4000	212	1.78	1631
500	FM4001	557	1.04	4525
750	FM4000	142	3.99	1050
750	FM4001	372	2.34	3955
1000	FM4000	107	7.10	655
1000	FM4001	280	4.15	3275
1250	FM4000	85	11.10	455
1250	FM4001	223	6.50	2570
1500	FM4000	71	15.95	336
1500	FM4001	186	9.32	1910
1750	FM4000	61	21.70	0.00
1750	FM4001	160	12.70	14.01
2000	FM4000	53	28.33	0.00
2000	FM4001	140	16.60	10.75
2250	FM4000	48	35.90	0.00
2250	FM4001	124	20.95	8.50
2500	FM4000	43	44.30	0.00
2500	FM4001	112	25.90	0.00
2750	FM4000	39	53.60	0.00
2750	FM4001	102	31.30	0.00
3000	FM4000	36	63.60	0.00
3000	FM4001	94	37.25	0.00

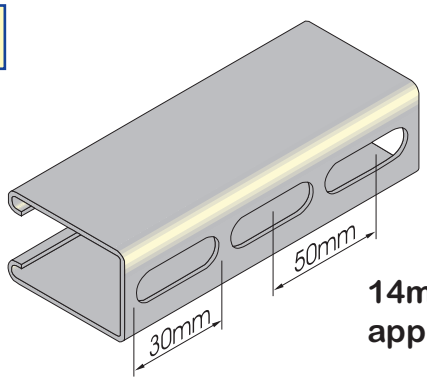


FM5500

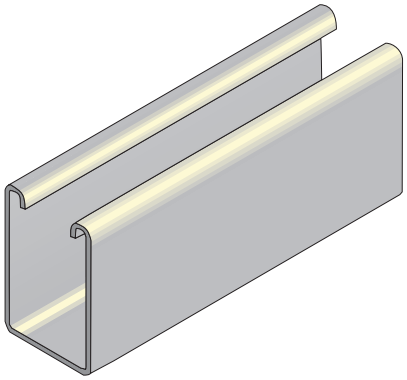
WEIGHT: 3.41kg/m
THICKNESS: 2.5mm
MATERIAL: 250MPa (min yield stress) mild steel
FINISHES: Plain, Galvabond, Hot Dipped Galvanised, Polyester Powder Coated (Other finishes available on request)

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHANNEL	WEIGHT kg/m	AREA OF SECTION mm^2	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^2$	RADIUS OF GYRATION r mm	MOMENT OF INERTIA $I\ 10^6\ mm^4$	SECTION MODULUS $Z\ 10^3\ mm^3$	RADIUS OF GYRATION r mm
FM5500	3.41	434	0.198	5.731	21.3	0.132	6.329	17.4
FM5501	6.82	868	1.054	16.992	31.8	0.262	12.664	17.4

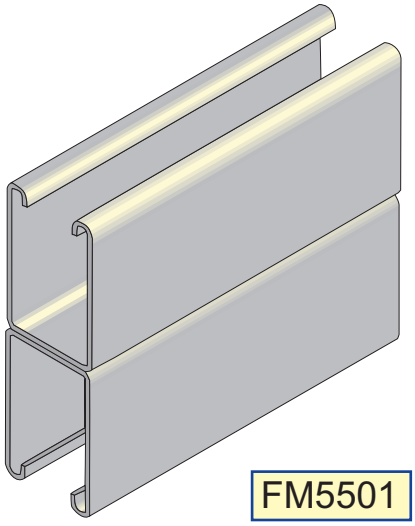
FM5500T



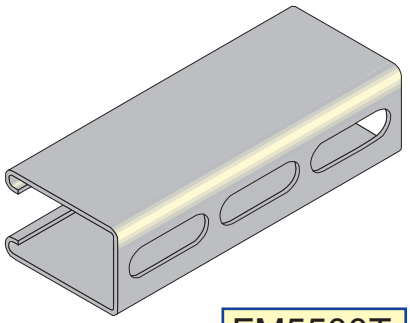
14mm x 30mm Slots at approx. 50mm centres.



FM5500



FM5501



FM5500T

LOADING CRITERIA

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- Load values are for bending about the X-X axis only

BEAM SPAN OR UNSUPPORTED COLUMN HEIGHT (mm)	CHANNEL TYPE	BEAM MAX. ALLOWABLE LOAD (Kg)	DEFLECTION AT MAX. ALLOWABLE LOAD (mm)	COLUMN MAX. ALLOWABLE LOAD (KG)
250	FM5500	2705	0.14	5704
250	FM5501	2705	0.03	1222
500	FM5500	1385	0.56	4592
500	FM5501	2705	0.20	1182
750	FM5500	924	1.28	3379
750	FM5501	2705	0.70	1119
1000	FM5500	693	2.28	2386
1000	FM5501	2050	1.26	1036
1250	FM5500	555	3.58	1739
1250	FM5501	1641	1.97	9372
1500	FM5500	462	5.14	1377
1500	FM5501	1368	2.85	8299
1750	FM5500	396	7.00	1149
1750	FM5501	1173	3.88	7189
2000	FM5500	348	9.17	990
2000	FM5501	1026	5.07	6092
2250	FM5500	309	11.60	873
2250	FM5501	912	6.42	5049
2500	FM5500	278	14.30	782
2500	FM5501	821	7.92	3393
2750	FM5500	253	17.30	644
2750	FM5501	747	9.60	2852
3000	FM5500	232	20.60	590
3000	FM5501	685	11.40	2429