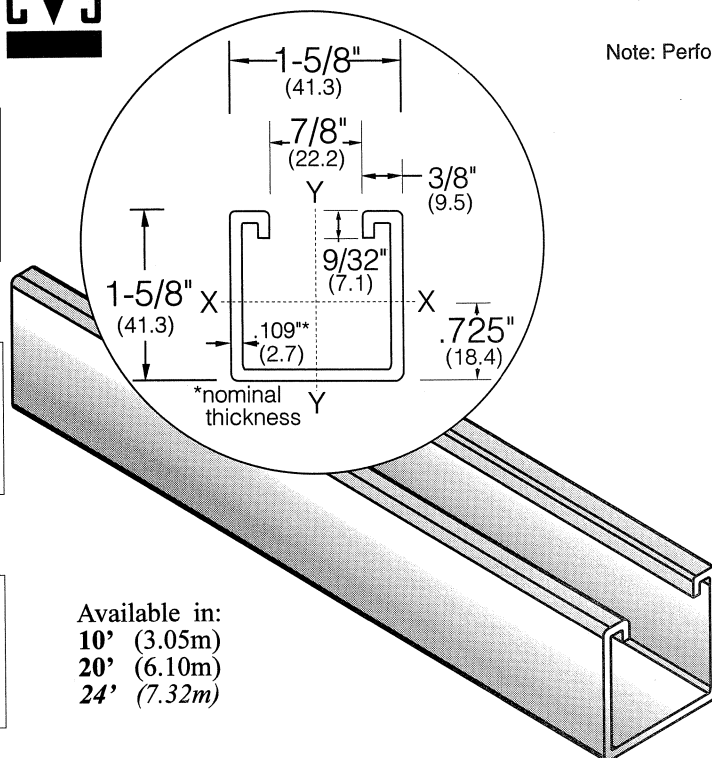




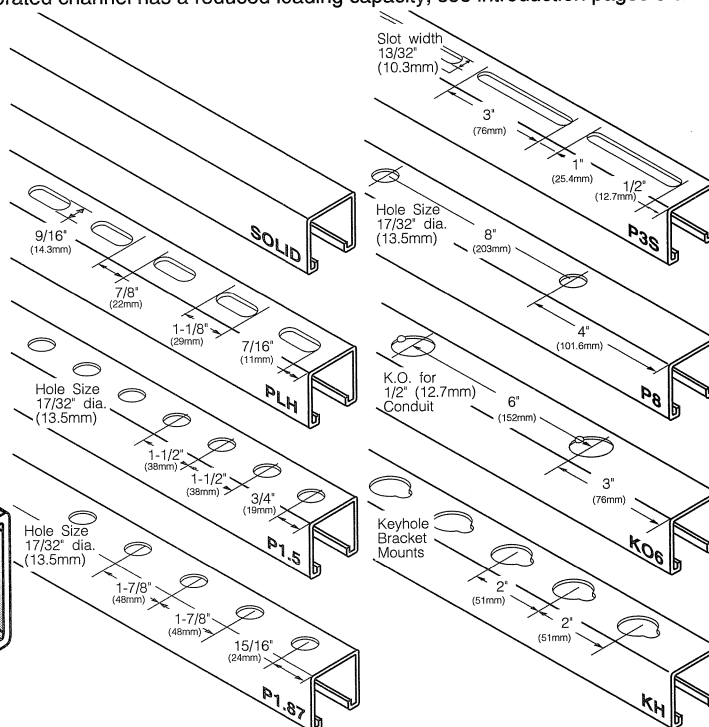
VERSABAR CORPORATION



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)

Produced and stocked in the following finishes and materials:					
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



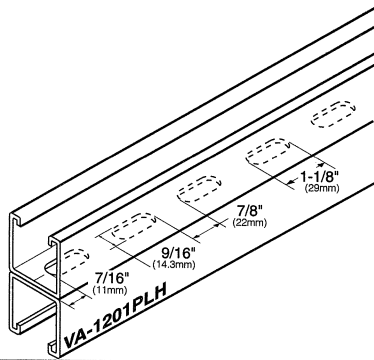
Engineering Data

elements of sections		Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-1		sq. in.	cm ²				
12 ga.	Wgt. Per L.F. (Kg. Per M)			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	1.90 lbs. (2.83)	.559	3.61				
					.1850 In. ⁴ 7.70 cm. ⁴	.2042 In. ³ 3.34 cm. ³	.580 In. 1.47 cm.
					.2340 In. ⁴ 9.74 cm. ⁴	.2880 In. ³ 4.72 cm. ³	.653 In. 1.66 cm.

beam loading data									column loading data									
Span or Unbraced Column Height		Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80		Maximum Allowable Column Load Applied at Center of Gravity								
										K=.65		K=.80		K=1.0		K=1.2		
in. (mm)	Lbs. kN	in. (mm)	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN					
24 610	1691 7.5	0.06 1.5	1689 7.5	1689 7.5	3401 15.1	9601 42.7	9501 42.3	9321 41.5	9101 40.5									
36 914	1131 5.0	0.13 3.3	1131 5.0	900 4.0	3002 13.4	7642 34.0	7402 32.9	7002 31.1	6490 28.9									
48 1219	852 3.8	0.22 5.6	759 3.4	509 2.3	2571 11.4	5911 26.3	5531 24.6	4981 22.2	4430 19.7									
60 1524	680 3.0	0.35 8.9	491 2.2	321 1.4	2229 9.9	4781 21.3	4391 19.5	3851 17.1	3331 14.8									
72 1829	561 2.5	0.50 12.7	339 1.5	219 1.0	1971 8.8	4091 18.2	3681 16.4	3142 14.0	2649 11.8									
84 2134	479 2.1	0.68 17.3	251 1.1	171 0.8	1759 7.8	3602 16.0	3171 14.1	2631 11.7	2161 9.6									
96 2438	421 1.9	0.89 22.6	189 0.8	129 0.6	1582 7.0	3221 14.3	2770 12.3	2242 10.0	1802 8.0									
108 2743	381 1.7	1.14 29.0	151 0.7	101 0.4	1431 6.4	2911 12.9	2451 10.9	1931 8.6	** **									
120 3048	339 1.5	1.40 35.6	119 0.5	79 0.4	1292 5.7	2641 11.7	2182 9.7	** **	** **									
144 3658	281 1.2	1.99 50.5	81 0.4	59 0.3					**KL/r > 200									
168 4267	241 1.1	2.72 69.1	59 0.3	41 0.2	NOT	• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.												
192 4877	209 0.9	3.55 90.2	51 0.2															
216 5486	191 0.8	4.57 116.1	39 0.2															
240 6096	169 0.8	5.61 142.5																

NOTES

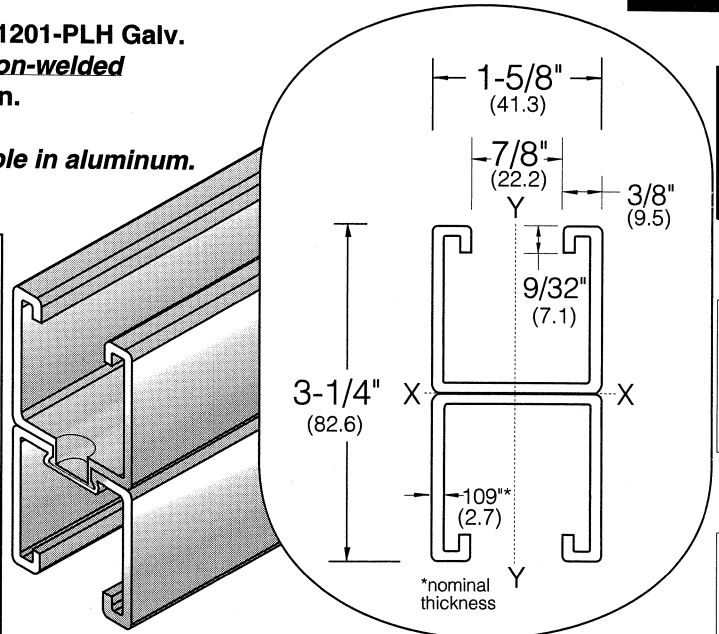
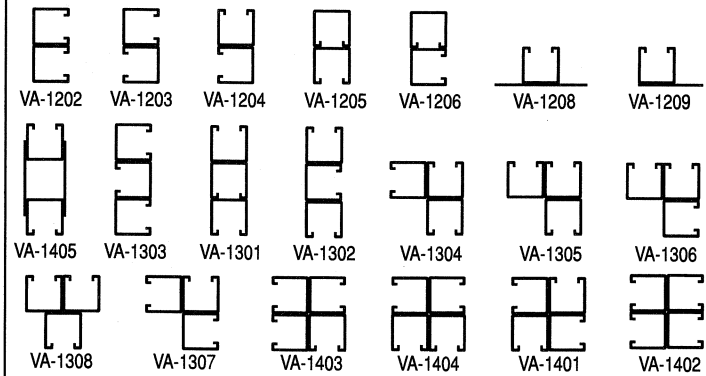
- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



VA-1201 Galv. & VA-1201-PLH Galv.
Feature a superior *non-welded*
"Toggle Lock" design.

VA-1201 Also available in aluminum.

welded combinations



cross sectional cut of spot connection shown for illustrational purposes

Engineering Data

elements of sections			Sectional Area		X-X axis		Moment of inertia	Section modulus	Radius of gyration
VA-1201									
					sq. in.	cm ²	Y-Y axis		Moment of inertia
12 ga.	Wgt. Per L.F. (Kg. Per M)	3.80 lbs. (5.65)	1.118	7.21					

beam loading data							column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity									
								K=.65		K=.80		K=1.0		K=1.2			
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN		
24 610	2610	11.6	0.02 0.4	2610	11.6	2610	11.6	6360	28.3	21400	95.2	21176	94.2	20871	92.8		
36 914	2610	11.6	0.06 1.4	2610	11.6	2610	11.6	6190	27.5	20960	93.2	20412	90.8	19652	87.4		
48 1219	2400	10.7	0.13 3.3	2400	10.7	2401	10.7	5970	26.6	21231	94.4	19366	86.1	17966	79.9		
60 1524	1920	8.5	0.20 5.1	1920	8.5	1629	7.2	5340	23.8	19244	85.6	17941	79.8	15781	70.2		
72 1829	1601	7.1	0.28 7.1	1601	7.1	1129	5.0	3968	17.7	18129	80.6	16251	72.3	13141	58.5		
84 2134	1370	6.1	0.39 9.9	1242	5.5	829	3.7	3026	13.5	16810	74.8	14256	63.4	10080	44.8		
96 2438	1200	5.3	0.50 12.7	949	4.2	641	2.9	2359	10.5	15293	68.0	11952	53.2	7752	34.5		
108 2743	1070	4.8	0.64 16.3	752	3.3	501	2.2	1865	8.3	13566	60.3	9569	42.6	6110	27.2		
120 3048	960	4.3	0.79 20.1	611	2.7	412	1.8	1513	6.7	11643	51.8	7735	34.4	4952	22.0		
144 3658	800	3.6	1.13 28.7	420	1.9	279	1.2										
168 4267	690	3.1	1.55 39.4	310	1.4	211	0.9	NOT TO BE USED	- Long spans may have to be braced to prevent rotation and twist. - Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.								
192 4877	600	2.7	2.02 51.3	241	1.1	161	0.7										
216 5486	530	2.4	2.53 64.3	192	0.9	131	0.6										
240 6096	480	2.1	3.15 80.0	149	0.7	101	0.4										

(Uniform beam loading on 24" and 36" spans limited by weld shear.)

NOTES

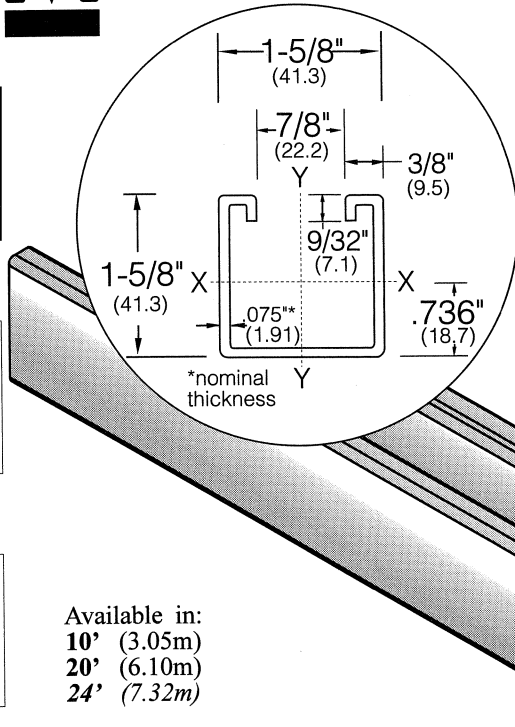
- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



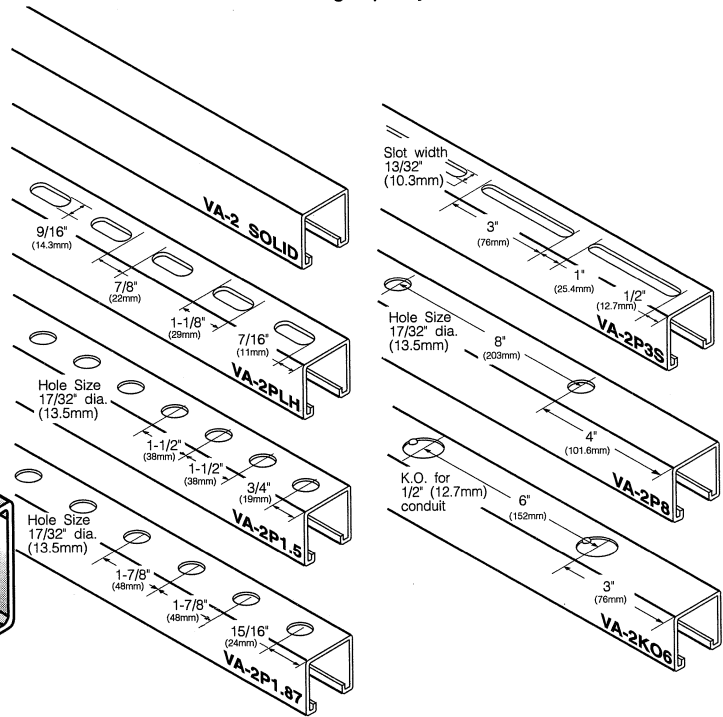
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
●	●	○	●	●	●
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)



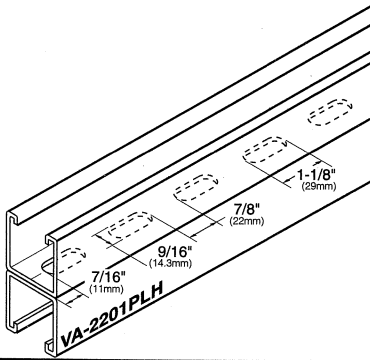
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-2			sq. in.	cm ²	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
14 ga.	Wgt. Per L.F. (Kg. Per M)	1.4 lbs. (2.08)	.412	2.66		.1482 In. ⁴ 6.17 cm. ⁴	.1654 In. ³ 2.71 cm. ³	.596 In. 1.51 cm.
						.1828 In. ⁴ 7.61 cm. ⁴	.2249 In. ³ 3.68 cm. ³	.662 In. 1.68 cm.

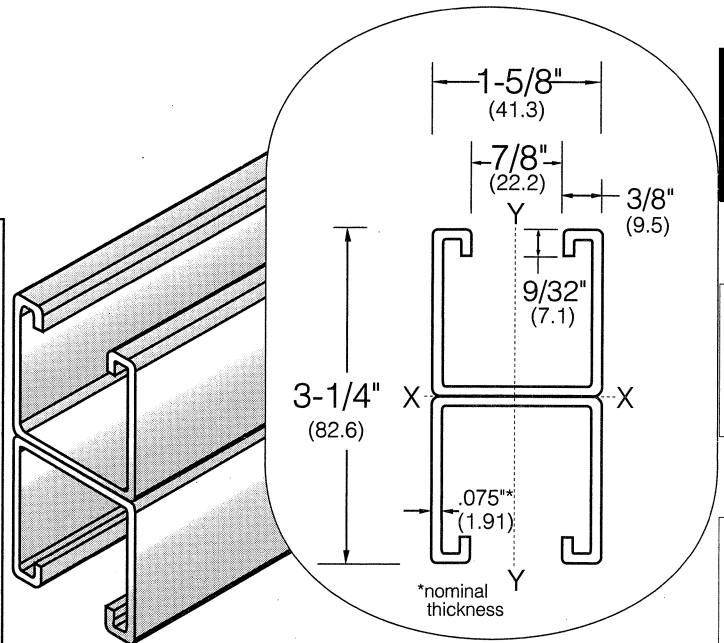
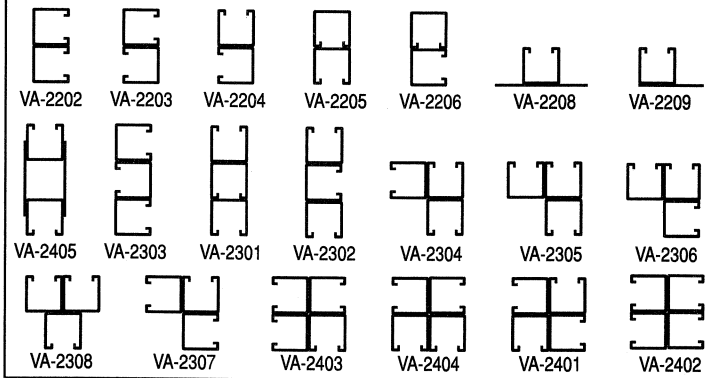
beam loading data								column loading data									
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections				Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
										K=.65		K=.80		K=1.0		K=1.2	
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN		
24 610	1380	6.1	0.06	1.4	1380	6.1	1380	6.1	2721	12.1	6123	27.2	5875	26.1	5485	24.4	
36 914	920	4.1	0.13	3.3	920	4.1	719	3.2	2332	10.4	5361	23.8	5038	22.4	4305	19.1	
48 1219	688	3.1	0.23	5.8	606	2.7	404	1.8	1889	8.4	3731	16.6	3541	15.8	3010	13.4	
60 1524	550	2.4	0.36	9.0	388	1.7	259	1.2	1591	7.1	2879	12.8	2693	12.0	2206	9.8	
72 1829	459	2.0	0.51	13.0	269	1.2	180	0.8	1392	6.2	2391	10.6	2215	9.9	1742	7.7	
84 2134	395	1.8	0.70	17.7	197	0.9	130	0.6	1231	5.5	2069	9.2	1891	8.4	1443	6.4	
96 2438	343	1.5	0.92	23.4	149	0.7	99	0.4	1101	4.9	1851	8.2	1610	7.2	1238	5.5	
108 2743	305	1.4	1.16	29.5	118	0.5	80	0.4	1003	4.5	1669	7.4	1398	6.2	1077	4.8	
120 3048	277	1.2	1.44	36.6	97	0.4	65	0.3	913	4.1	1531	6.8	1238	5.5	**	**	
144 3658	225	1.0	2.04	51.8	69	0.3	46	0.2							**	**	
168 4267	198	0.9	2.82	71.6	49	0.2	27	0.1	NOT	• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry. • Maximum allowable uniformly distributed loads are listed for simple							
192 4877	166	0.7	3.57	90.7	39	0.2	27	0.1									
216 5486	147	0.7	4.50	114.3	29	0.1											
240 6096	138	0.6	5.73	145.5													

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



welded combinations



Engineering Data

elements of sections		
VA-2201		
14 ga.	Wgt. Per L.F. (Kg. Per M)	2.8 lbs. (4.16)

Sectional Area	
sq. in.	cm ²
.824	5.32

X-X axis	Moment of inertia	Section modulus	Radius of gyration
	.7401 In. ⁴ 30.80 cm. ⁴	.4555 In. ³ 7.46 cm. ³	.942 In. 2.39 cm.
Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	.3655 In. ⁴ 15.21 cm. ⁴	.4499 In. ³ 7.37 cm. ³	.622 In. 1.68 cm.

beam loading data							column loading data								
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading	Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity								
							K=.65		K=.80		K=1.0		K=1.2		
	in. (mm)	Lbs. kN	in. (mm)	Lbs. kN	Lbs. kN		Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN		
24 610	1751 7.8	0.01 0.4	1751 7.8	1751 7.8	4925 21.9	13093 58.2	12995 57.8	12832 57.1	12635 56.2						
36 914	1751 7.8	0.05 1.2	1751 7.8	1751 7.8	4820 21.4	12850 57.2	12632 56.2	12260 54.5	11809 52.5						
48 1219	1751 7.8	0.12 2.9	1751 7.8	1751 7.8	4675 20.8	12514 55.7	12120 53.9	11460 51.0	10652 47.4						
60 1524	1519 6.8	0.20 5.0	1517 6.7	1293 5.8	4019 17.9	12085 53.8	11459 51.0	10431 46.4	9170 40.8						
72 1829	1264 5.6	0.28 7.1	1266 5.6	897 4.0	3050 13.6	11549 51.4	10653 47.4	9172 40.8	7362 32.7						
84 2134	1086 4.8	0.38 9.7	988 4.4	661 2.9	2363 10.5	10925 48.6	9705 43.2	7685 34.2	5466 24.3						
96 2438	951 4.2	0.50 12.7	758 3.4	504 2.2	1867 8.3	10200 45.4	8610 38.3	6020 26.8	4185 18.6						
108 2743	842 3.7	0.63 16.1	598 2.7	398 1.8	1497 6.7	9375 41.7	7365 32.8	4766 21.2	3308 14.7						
120 3048	758 3.4	0.78 19.9	485 2.2	323 1.4	1215 5.4	8455 37.6	6029 26.8	3857 17.2	**						
144 3658	639 2.8	1.14 29.0	337 1.5	216 1.0					**						
										$\frac{**KL}{r} > 200$					
168 4267	546 2.4	1.56 39.6	245 1.1	166 0.7	N O T	- Long spans may have to be braced to prevent rotation and twist. - Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.									
192 4877	476 2.1	2.02 51.3	182 0.8	125 0.6											
216 5486	415 1.8	2.52 64.0	146 0.6	92 0.4											
240 6096	375 1.7	3.14 79.8	113 0.5	73 0.3											

(Uniform beam loading on 24" and 36" spans limited by weld shear.)

NOTES

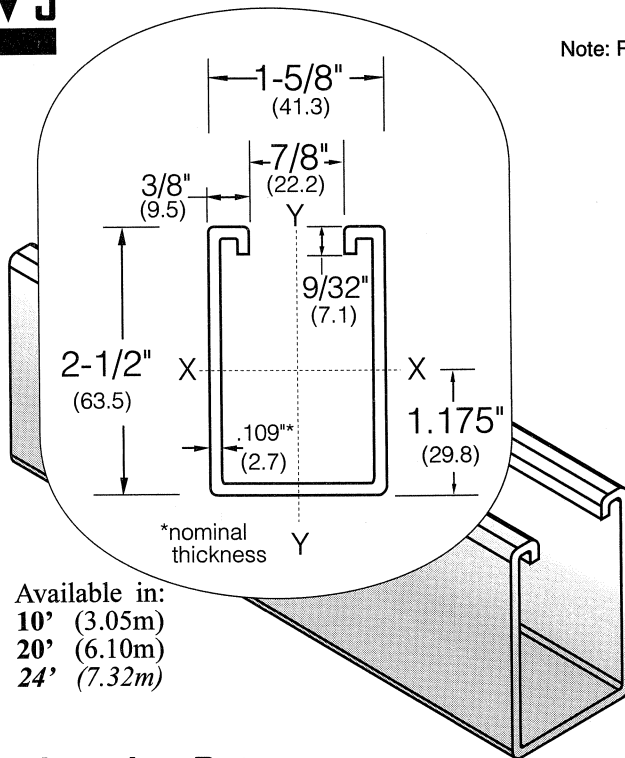
- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



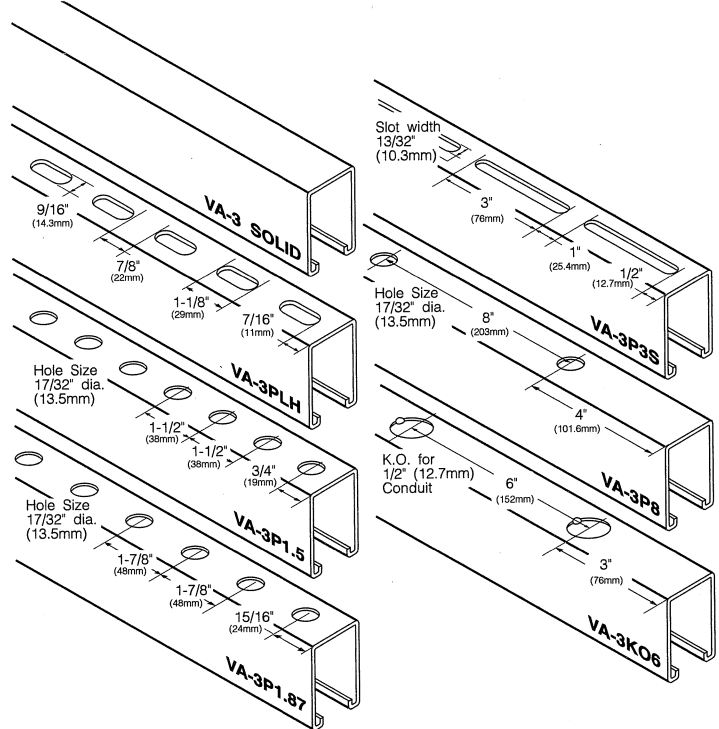
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)



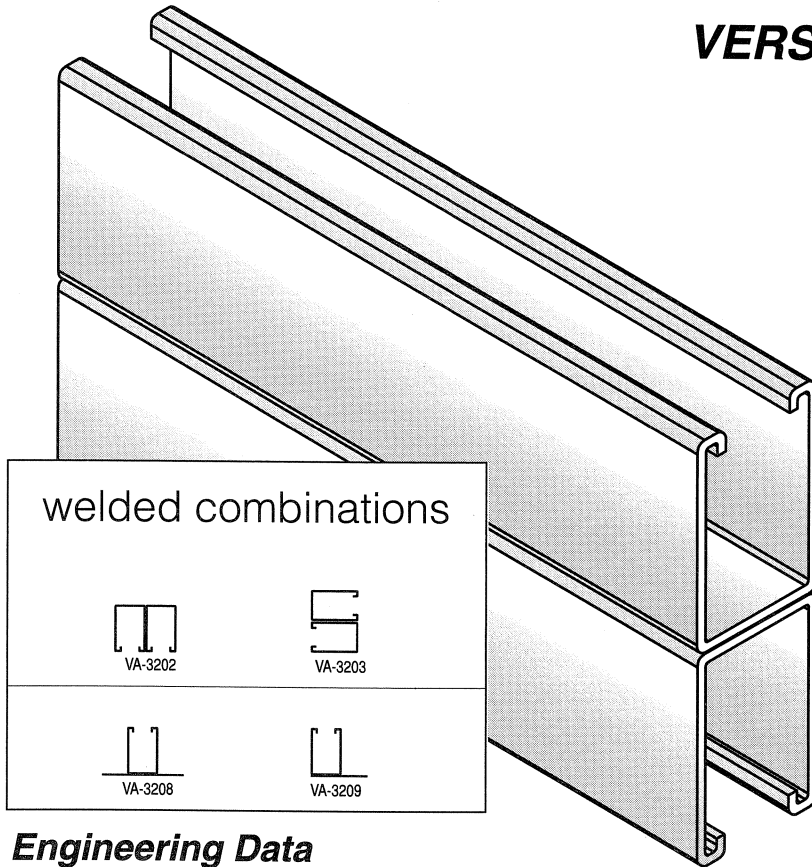
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-3			sq. in.	cm ²	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
12 ga.	Wgt. Per L.F. (Kg. Per M)	2.47 lbs. (3.67)	.727	4.69		.5203 In. ⁴ 21.65 cm. ⁴	.3927 In. ³ 6.43 cm. ³	.852 In. 2.16 cm.

beam loading data								column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections				Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity								
										K=.65		K=.80		K=1.0		K=1.2		
in. (mm)	Lbs.	kN	in. (mm)	Span/240		Span/360		Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	
24 610	3283	14.6	0.04	1.0	3283	14.6	3283	14.6	4492	20.0	9640	42.9	9245	41.1	8631	38.4	7935	35.3
36 914	2193	9.8	0.09	2.3	2193	9.8	2193	9.8	3816	17.0	8563	38.1	7935	35.3	6789	30.2	5575	24.8
48 1219	1643	7.3	0.15	3.8	1643	7.3	1432	6.4	3086	13.7	5812	25.9	5542	24.7	4782	21.3	3720	16.5
60 1524	1313	5.8	0.24	6.1	1313	5.8	911	4.1	2612	11.6	4483	19.9	4231	18.8	3526	15.7	2810	12.5
72 1829	1093	4.9	0.34	8.6	951	4.2	635	2.8	2198	9.8	3732	16.6	3485	15.5	2810	12.5	2275	10.1
84 2134	943	4.2	0.47	11.9	703	3.1	471	2.1	1720	7.7	3253	14.5	2993	13.3	2346	10.4	1915	8.5
96 2438	823	3.7	0.61	15.5	541	2.4	365	1.6	1391	6.2	2911	12.9	2602	11.6	2020	9.0	1655	7.4
108 2743	733	3.3	0.78	19.8	422	1.9	281	1.2	1156	5.1	2645	11.8	2275	10.1	1776	7.9	1448	6.4
120 3048	663	2.9	0.96	24.4	341	1.5	233	1.0	978	4.4	2431	10.8	2020	9.0	1577	7.0	**	**
144 3658	553	2.5	1.39	35.3	241	1.1	162	0.7									$\frac{K L}{r} > 200$	
168 4267	473	2.1	1.88	47.8	172	0.8	122	0.5	NOT	• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry. • Member allowable stresses for distributed loads are listed for simple								
192 4877	415	1.8	2.45	62.2	131	0.6	91	0.4										
216 5486	362	1.6	3.06	77.7	111	0.5	72	0.3										
240 6096	332	1.5	3.85	97.8	92	0.4	63	0.3										

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



welded combinations



VA-3202



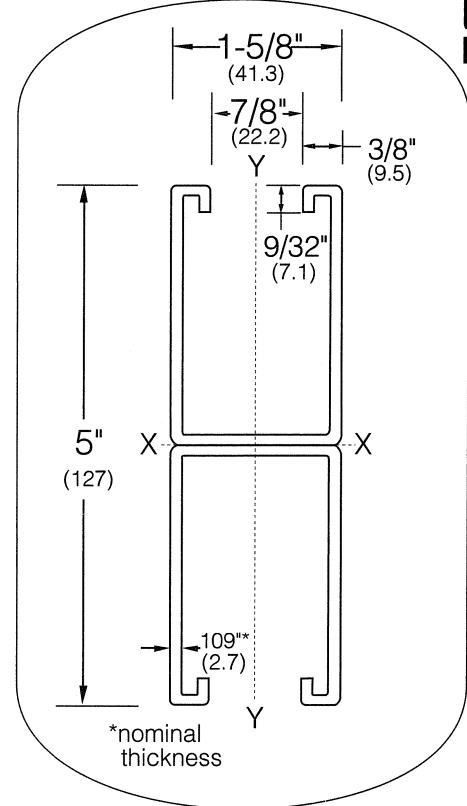
VA-3203



VA-3208



VA-3209



*nominal thickness

Engineering Data

elements of sections		
VA-3201		
12 ga.	Wgt. Per L.F. (Kg. Per M)	4.94 lbs. (7.35)

Sectional Area	
sq. in.	cm ²
1.453	9.37

X-X axis	Moment of inertia	Section modulus	Radius of gyration
	2.8132 In. ⁴ 117.09 cm. ⁴	1.1541 In. ³ 18.91 cm. ³	1.402 In. 3.56 cm.
Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	.6611 In. ⁴ 27.52 cm. ⁴	.8137 In. ³ 13.33 cm. ³	.679 In. 1.72 cm.

beam loading data							column loading data									
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity								
								K=.65		K=.80		K=1.0		K=1.2		
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	
24 610	4200	18.7	0.01 0.3	4200	18.7	4200	18.7	7958	35.4	20659	91.9	20523	91.3	20301	90.3	
36 914	4200	18.7	0.03 0.8	4200	18.7	4200	18.7	7850	34.9	20326	90.4	20025	89.1	19515	86.8	
48 1219	4200	18.7	0.08 2.0	4200	18.7	4200	18.7	7690	34.2	19870	88.4	19326	86.0	18420	81.9	
60 1524	3872	17.2	0.13 3.3	3872	17.2	3872	17.2	6945	30.9	19271	85.7	18415	81.9	17020	75.7	
72 1829	3221	14.3	0.19 4.8	3221	14.3	3221	14.3	5336	23.7	18541	82.5	17325	77.1	15281	68.0	
84 2134	2765	12.3	0.26 6.6	2765	12.3	2511	11.2	4178	18.6	17678	78.6	16015	71.2	13251	58.9	
96 2438	2421	10.8	0.34 8.6	2421	10.8	1922	8.5	3329	14.8	16690	74.2	14503	64.5	10892	48.5	
108 2743	2152	9.6	0.43 10.9	2152	9.6	1525	6.8	2695	12.0	15561	69.2	12801	56.9	8625	38.4	
120 3048	1931	8.6	0.52 13.2	1841	8.2	1234	5.5	2208	9.8	14296	63.6	10892	48.5	6972	31.0	
144 3658	1615	7.2	0.75 19.1	1283	5.7	856	3.8									
168 4267	1385	6.2	1.03 26.2	942	4.2	631	2.8	NOT To be Used	- Long spans may have to be braced to prevent rotation and twist. - Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.	$\frac{K L}{r} > 200$						
192 4877	1215	5.4	1.34 34.0	721	3.2	489	2.2									
216 5486	1075	4.8	1.69 42.9	576	2.6	382	1.7									
240 6096	972	4.3	2.11 53.6	462	2.1	311	1.4									

$$** \frac{KL}{r} > 200$$

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

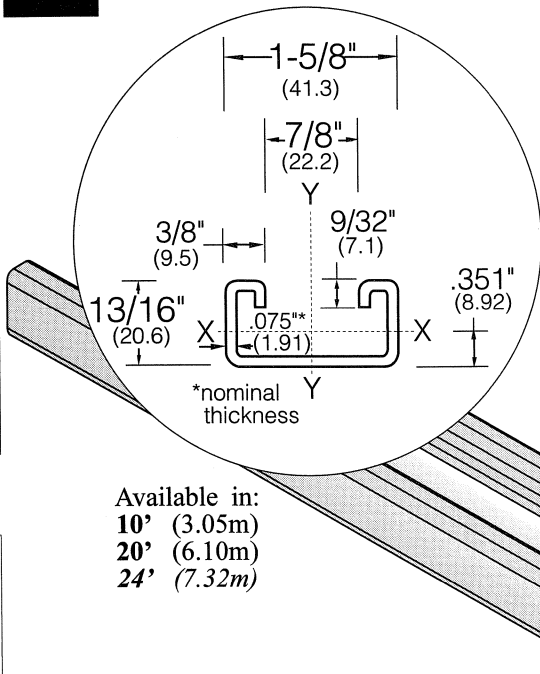
(Uniform beam loading on 24" and 36" spans limited by weld shear.)



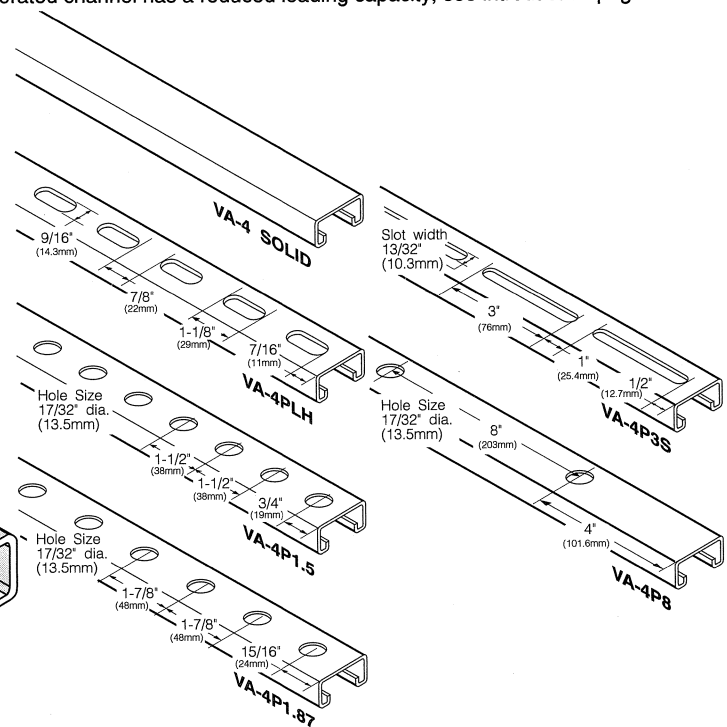
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
●	●	●	●	●	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)



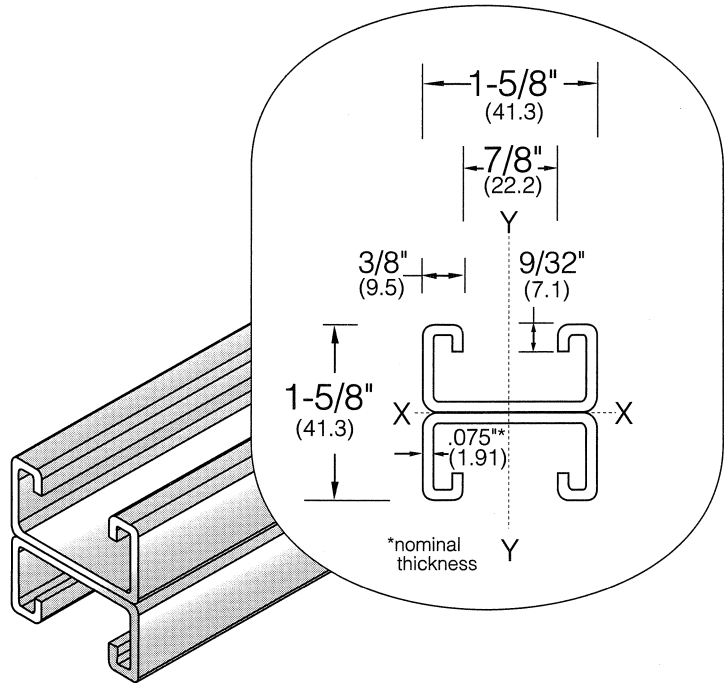
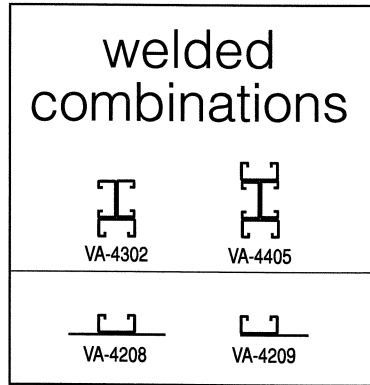
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-4			sq. in.	cm ²				
14 ga.	Wgt. Per L.F.	.97 lbs.			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	(Kg. Per M)	(1.44)	.285	1.84				
						.0262 In. 4 1.09 cm. 4	.0558 In. 3 .91 cm. 3	.298 In. .75 cm.
						.1096 In. 4 4.56 cm. 4	.1348 In. 3 2.21 cm. 3	.609 In. 1.54 cm.

beam loading data								column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
in. (mm)	Lbs.	kN	in. (mm)		Span/240 Lbs. kN	Span/360 Lbs. kN	Lbs. kN	K=.65	K=.80	K=1.0	K=1.2				
24 610	466	2.1	0.11 2.7		431 1.9	288 1.3	1689 7.5	5760 25.6	5462 24.3	4970 22.1	4298 19.1				
36 914	312	1.4	0.24 6.2		192 0.9	127 0.6	1420 6.3	5041 22.4	4298 19.1	3072 13.7	2132 9.5				
48 1219	231	1.0	0.43 11.0		108 0.5	73 0.3	1100 4.9	3918 17.4	2701 12.0	1729 7.7	1200 5.3				
60 1524	187	0.8	0.68 17.2		70 0.3	47 0.2	880 3.9	2620 11.7	1722 7.7	**	**				
72 1829	154	0.7	0.97 24.7		49 0.2	33 0.1	650 2.9	1819 8.1	1195 5.3	**	**				
84 2134	135	0.6	1.32 33.6		35 0.2	22 0.1	510 2.3	1335 5.9	**	**	**				
96 2438	117	0.5	1.73 43.9		28 0.1	18 0.1	380 1.7	**	**	**	**				
108 2743	103	0.5	2.19 55.6		21 0.1	12 0.1	300 1.3	**	**	**	**				
120 3048	92	0.4	2.70 68.7		17 0.1	8 0.0	210 0.9	**	**	**	**				
												**KL/r > 200			

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia		Section modulus		Radius of gyration	
VA-4201			sq. in.	cm ²	Y-Y axis	Moment of inertia		Section modulus		Radius of gyration	
14 ga.	Wgt. Per L.F. (Kg. Per M)	1.94 lbs. (2.89)	.571	3.68							
						.1217 In. ⁴ 5.06 cm. ⁴		.1498 In. ³ 2.45 cm. ³		.454 In. 1.15 cm.	
						.2191 In. ⁴ 9.12 cm. ⁴		.2697 In. ³ 4.42 cm. ³		.609 In. 1.54 cm.	

beam loading data								column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
in. (mm)	Lbs.	kN	in. (mm)		Span/240	Span/360	Lbs. kN	K=.65	K=.80	K=1.0	K=1.2				
24 610	869	3.9	0.04 1.1		869 3.9	869 3.9	3300 14.7	12210 54.3	11821 52.6	11312 50.3	10682 47.5				
36 914	833	3.7	0.14 3.6		833 3.7	592 2.6	2850 12.7	11380 50.6	10803 48.1	9714 43.2	8405 37.4				
48 1219	625	2.8	0.25 6.4		498 2.2	333 1.5	2700 12.0	10420 46.4	9317 41.4	7402 32.9	5295 23.6				
60 1524	495	2.2	0.39 9.9		321 1.4	212 0.9	2265 10.1	9208 41.0	7409 33.0	4910 21.8	3362 15.0				
72 1829	418	1.9	0.56 14.3		222 1.0	147 0.7	1920 8.5	7620 33.9	5302 23.6	3408 15.2	2350 10.5				
84 2134	358	1.6	0.77 19.5		165 0.7	112 0.5	1602 7.1	5902 26.3	3925 17.5	2480 11.0	** **				
96 2438	313	1.4	1.00 25.4		123 0.5	80 0.4	1401 6.2	4521 20.1	2961 13.2	** **	** **				
108 2743	278	1.2	1.27 32.2		96 0.4	64 0.3	1220 5.4	3602 16.0	2380 10.6	** **	** **				
120 3048	249	1.1	1.56 39.7		70 0.3	55 0.2	931 4.1	2910 12.9	** **	** **	** **				
** $\frac{KL}{r} > 200$															

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

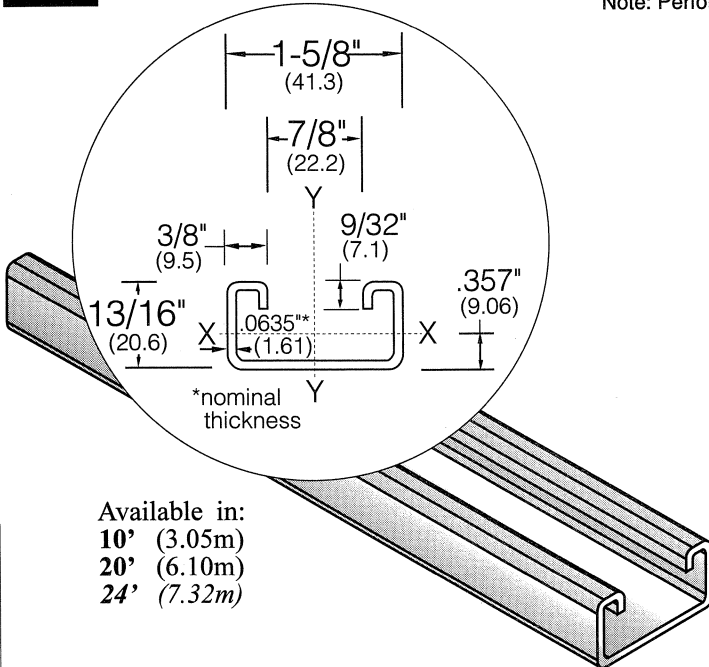
(Uniform beam loading on 24" and 36" spans limited by weld shear.)



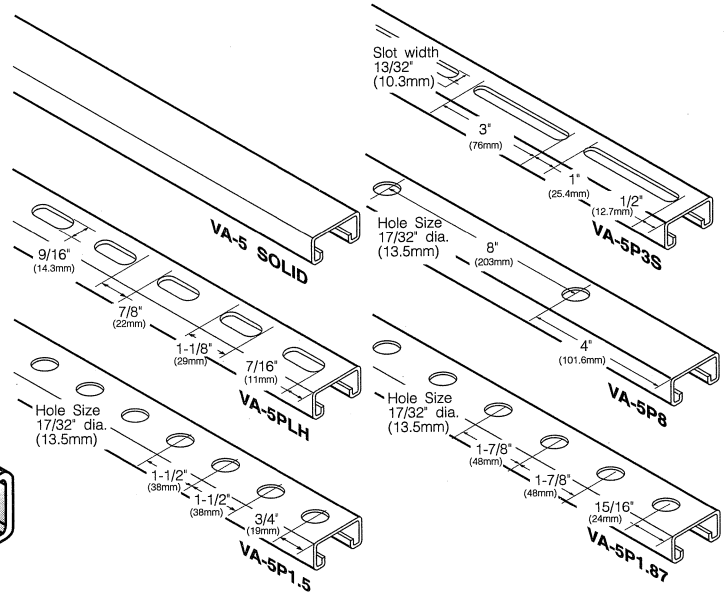
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
●	●	○	○	●	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-5			sq. in.	cm ²				
16 ga.	Wgt. Per L.F.	.82 lbs.			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	(Kg. Per M)	(1.2)	.239	1.50				
						.023 In. 4 .96 cm. 4	.048 In. 3 .79 cm. 3	.308 In. .78 cm.
						.091 In. 4 3.80 cm. 4	.112 In. 3 1.80 cm. 3	.617 In. 1.60 cm.

beam loading data						column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity					
in. (mm)	Lbs.	kN	in. (mm)		Span/240 Lbs. kN	Span/360 Lbs. kN	Lbs. kN	K=.65 Lbs. kN	K=.80 Lbs. kN	K=1.0 Lbs. kN	K=1.2 Lbs. kN		
24 610	400	1.8	0.11 2.7		370 1.6	247 1.1	1375 6.1	3718 16.5	3672 16.3	3600 16.0	3502 15.6		
36 914	268	1.2	0.24 6.2		162 0.7	102 0.5	988 4.4	2065 9.2	1951 8.7	1871 8.3	1760 7.8		
48 1219	195	0.9	0.43 10.9		90 0.4	60 0.3	682 3.0	1125 5.0	1060 4.7	1040 4.6	992 4.4		
60 1524	152	0.7	0.66 16.8		55 0.2	38 0.2	492 2.2	710 3.2	698 3.1	620 2.8	** **		
72 1829	125	0.6	0.95 24.1		38 0.2	26 0.1	375 1.7	489 2.2	481 2.1	** **	** **		
84 2134	102	0.5	1.26 32.0		28 0.1	18 0.1	** **	361 1.6	** **	** **			
96 2438	95	0.4	1.72 43.7		20 0.1	13 0.1	** **	** **	** **	** **			
108 2743	85	0.4	2.19 55.6		16 0.1	9 0.0	** **	** **	** **	** **			
120 3048	75	0.3	2.68 68.1		12 0.1		** **	** **	** **	** **			
												** $\frac{KL}{r} > 200$	

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

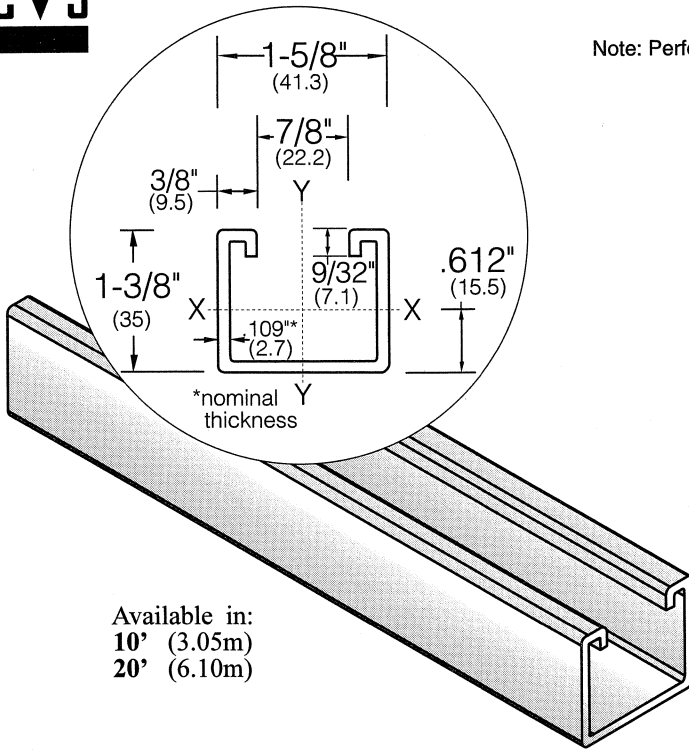


VERSABAR CORPORATION

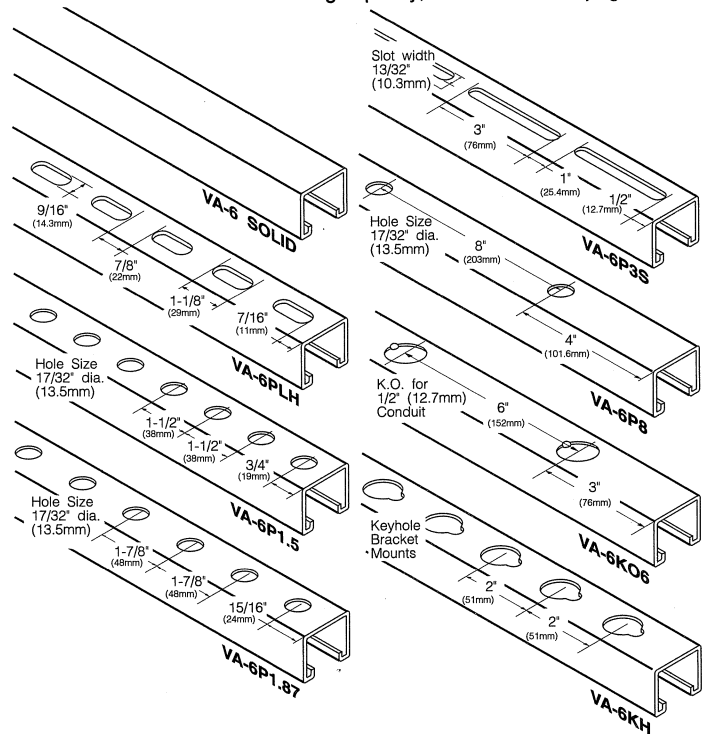
Produced and stocked in the following finishes and materials:

●	○	○	●	○	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)



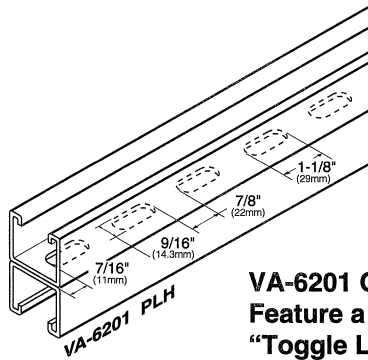
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-6			sq. in.	cm ²	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
12 ga.	Wgt. Per L.F. (Kg. Per M)	1.7 lbs. (2.53)	.500	3.23		.1209 In. 4 5.03 cm. 4	.1559 In. 3 2.55 cm. 3	.493 In. 1.25 cm.

beam loading data							column loading data									
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading	Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity									
							K=.65		K=.80		K=1.0		K=1.2			
	in. (mm)	Lbs. kN	in. (mm)	Lbs. kN	Lbs. kN		Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN			
24 610	1298 5.8	0.07 1.7	1298 5.8	1298 5.8	3129 13.9	8892 39.6	8802 39.2	8402 37.4	7648 34.0							
36 914	865 3.8	0.15 3.7	865 3.8	588 2.6	2850 12.7	7531 33.5	7315 32.5	6592 29.3	5429 24.1							
48 1219	651 2.9	0.26 6.7	494 2.2	329 1.5	2415 10.7	6402 28.5	5995 26.7	4781 21.3	3871 17.2							
60 1524	521 2.3	0.41 10.4	318 1.4	210 0.9	2101 9.3	5503 24.5	4778 21.3	4002 17.8	3002 13.4							
72 1829	432 1.9	0.59 15.0	221 1.0	148 0.7	1875 8.3	4710 21.0	3872 17.2	2993 13.3	2415 10.7							
84 2134	372 1.7	0.80 20.4	161 0.7	109 0.5	1685 7.5	4109 18.3	3245 14.4	2492 11.1	** **							
96 2438	324 1.4	1.05 26.6	123 0.5	82 0.4	1452 6.5	3532 15.7	2776 12.3	1991 8.9	** **							
108 2743	291 1.3	1.33 33.7	98 0.4	68 0.3	1285 5.7	3081 13.7	2410 10.7	** **	** **							
120 3048	260 1.2	1.64 41.6	80 0.4	52 0.2	1102 4.9	2720 12.1	1991 8.9	** **	** **							
144 3658	219 1.0	2.40 61.0	59 0.3	38 0.2					$\frac{KL}{r} > 200$							
168 4267	181 0.8	3.11 79.0	40 0.2	29 0.1												
192 4877	159 0.7	4.13 104.9	28 0.1													
216 5486	141 0.6	5.15 130.8														
240 6096	131 0.6	6.56 166.6														
					NOT	• Long spans may have to be braced to prevent rotation and twist.										
						• Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.										

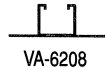
NOTES

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VA-6201 Galv. & VA-6201-PLH Galv.
Feature a superior *non-welded*
"Toggle Lock" design.

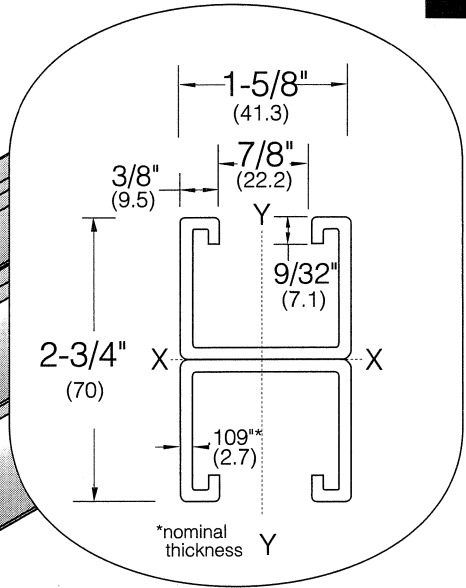
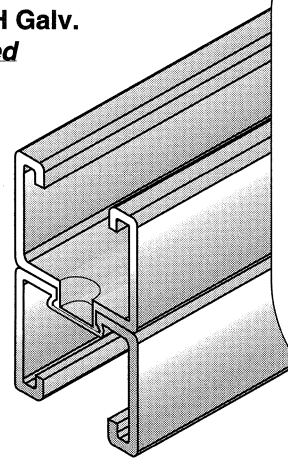
welded
combinations



VA-6208



VA-6209



cross sectional cut of spot connection shown for illustrational purposes

Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-6201			sq. in.	cm ²				
12 ga.	Wgt. Per L.F.	3.4 lbs.						
	(Kg. Per M)	(5.06)	1.00	6.45				
					Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
						.5997 In. ⁴ 24.96 cm. ⁴	.4361 In. ³ 7.14 cm. ³	.776 In. 1.97 cm.
						.4087 In. ⁴ 17.01 cm. ⁴	.5030 In. ³ 8.24 cm. ³	.640 In. 1.62 cm.

beam loading data								column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity										
								K=.65		K=.80		K=1.0		K=1.2				
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN			
24 610	2212	9.8	0.02 0.6	2212	9.8	2212	9.8	5663	25.2	21040	93.6	20810	92.6	20425	90.9	19962	88.8	
36 914	2212	9.8	0.08 1.9	2212	9.8	2212	9.8	5482	24.4	20475	91.1	19963	88.8	19083	84.9	18024	80.2	
48 1219	1816	8.1	0.15 3.8	1816	8.1	1629	7.2	5243	23.3	19685	87.6	18762	83.5	17215	76.6	15329	68.2	
60 1524	1452	6.5	0.23 5.9	1452	6.5	1046	4.7	4720	21.0	18667	83.0	17225	76.6	14806	65.9	11859	52.8	
72 1829	1209	5.4	0.33 8.5	1089	4.8	725	3.2	3451	15.4	17428	77.5	15342	68.2	11861	52.8	8318	37.0	
84 2134	1035	4.6	0.45 11.5	798	3.5	533	2.4	2610	11.6	15962	71.0	13124	58.4	8796	39.1	6115	27.2	
96 2438	903	4.0	0.59 15.0	612	2.7	406	1.8	2019	9.0	14265	63.5	10532	46.8	6742	30.0	4682	20.8	
108 2743	802	3.6	0.75 19.0	482	2.1	323	1.4	1598	7.1	12341	54.9	8321	37.0	5326	23.7	**	**	
120 3048	725	3.2	0.92 23.5	392	1.7	261	1.2	1292	5.7	10210	45.4	6742	30.0	4318	19.2	**	**	
144 3658	598	2.7	1.33 33.8	269	1.2	178	0.8									**KL r	>200	
168 4267	518	2.3	1.84 46.7	195	0.9	128	0.6	N O T	• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.									
192 4877	448	2.0	2.37 60.2	145	0.6	95	0.4											
216 5486	398	1.8	3.00 76.2	118	0.5	76	0.3											
240 6096	354	1.6	3.70 94.0	92	0.4	56	0.2											

NOTES

- Long spans may have to be braced to prevent rotation and twist.
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- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

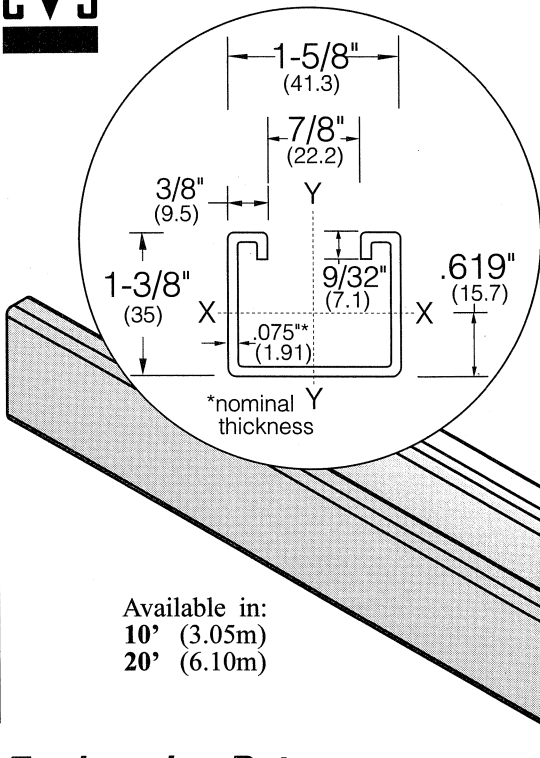
(Uniform beam loading on 24" and 36" spans limited by weld shear.)



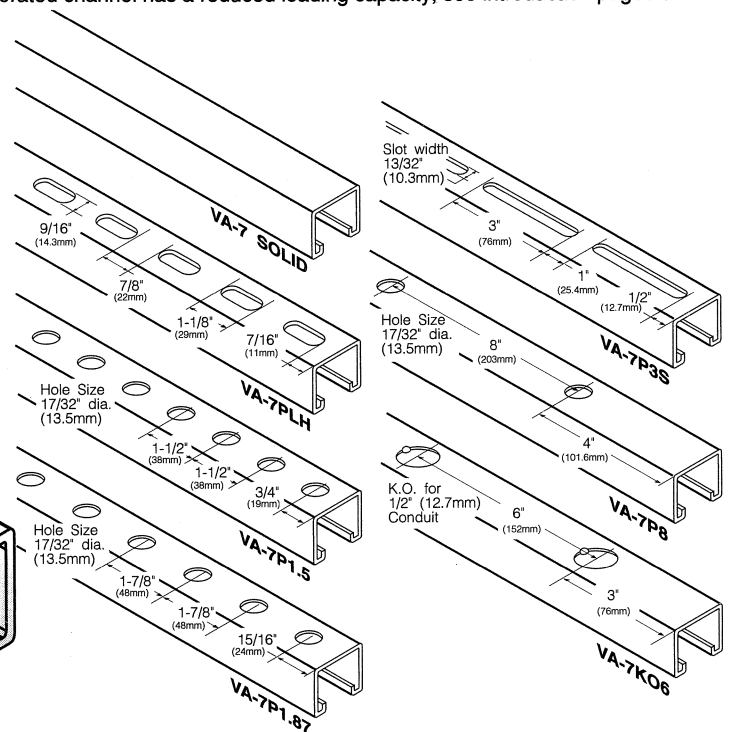
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-7			sq. in.	cm ²				
14 ga.	Wgt. Per L.F.	1.3 lbs.			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	(Kg. Per M)	(1.936)	.371	2.40				
						.102 In. 4 4.25 cm. 4	.135 In. 3 2.208 cm. 3	.533 In. 1.3513 cm.
						.151 In. 4 6.28 cm. 4	.187 In. 3 3.058 cm. 3	.425 In. 1.0775 cm.

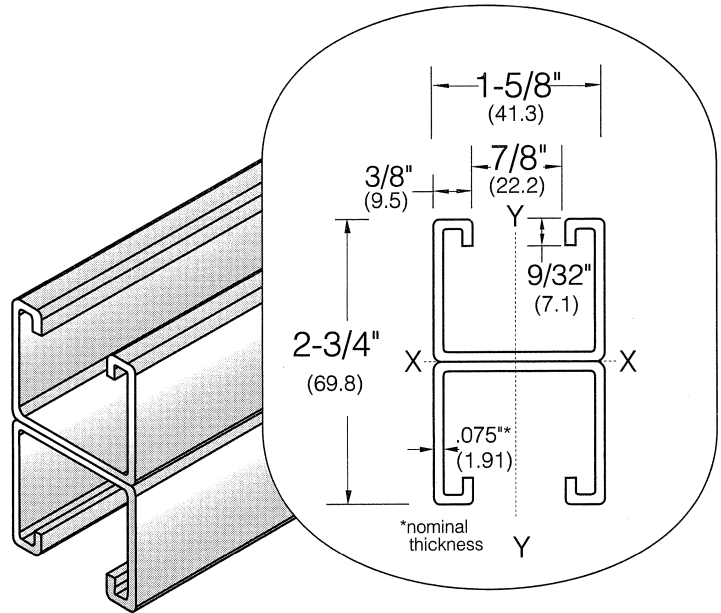
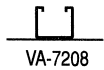
beam loading data								column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=80	Maximum Allowable Column Load Applied at Center of Gravity							
in. (mm)	Lbs.	kN	in. (mm)		Span/240 Lbs. kN	Span/360 Lbs. kN	Lbs. kN	K=65 Lbs. kN	K=80 Lbs. kN	K=1.0 Lbs. kN	K=1.2 Lbs. kN				
24 610	1012	4.5	0.07 1.7		1012 4.5	1012 4.5	2159 9.6	5068 22.5	5017 22.3	4621 20.6	3976 17.7				
36 914	674	3.0	0.15 3.7		674 3.0	458 2.0	1966 8.7	4292 19.1	4169 18.5	3625 16.1	2823 12.6				
48 1219	507	2.3	0.27 6.9		385 1.7	256 1.1	1666 7.4	3649 16.2	3417 15.2	2629 11.7	2012 8.9				
60 1524	406	1.8	0.42 10.7		248 1.1	163 0.7	1449 6.4	3136 13.9	2723 12.1	2201 9.8	1561 6.9				
72 1829	336	1.5	0.60 15.2		172 0.8	115 0.5	1293 5.8	2684 11.9	2207 9.8	1646 7.3	1255 5.6				
84 2134	290	1.3	0.81 20.6		125 0.6	85 0.4	1162 5.2	2342 10.4	1849 8.2	1370 6.1	** **				
96 2438	252	1.1	1.06 26.9		95 0.4	63 0.3	1001 4.5	2013 9.0	1582 7.0	1095 4.9	** **				
108 2743	226	1.0	1.34 34.0		76 0.3	53 0.2	886 3.9	1756 7.8	1373 6.1	** **	** **				
120 3048	202	0.9	1.65 41.9		62 0.3	40 0.2	760 3.4	1550 6.9	1134 5.0	** **	** **				
												** $\frac{KL}{r} > 200$			

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



welded
combinations



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-7201			sq. in.	cm ²				
14 ga.	Wgt. Per L.F. (Kg. Per M)	2.668 lbs (3.97)	.743	4.80		.478 In. 4 19.89 cm. 4	.347 In. 3 5.68 cm. 3	.817 In. 2.071 cm.
					Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
						.304 In. 4 12.65 cm. 4	.374 In. 3 6.11 cm. 3	.425 In. 1.0775 cm.

beam loading data								column loading data									
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity									
								Span/240		Span/360		K=.65		K=.80		K=1.0	
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN		
24 610	1273	5.7	0.02 0.6	1273	5.7	1273	5.7	4303	19.1	13044	58.0	13110	58.3	12867	57.2	12576	55.9
36 914	1273	5.7	0.08 1.9	1273	5.7	1273	5.7	4166	18.5	12694	56.5	12576	55.9	12022	53.5	11355	50.5
48 1219	1273	5.7	0.15 3.8	1273	5.7	1273	5.7	3984	17.7	12204	54.3	11820	52.6	10845	48.2	9657	43.0
60 1524	1132	5.0	0.24 6.1	1147	5.1	826	3.7	3587	16.0	11573	51.5	10851	48.3	9327	41.5	7471	33.2
72 1829	943	4.2	0.34 8.6	860	3.8	572	2.5	2622	11.7	10805	48.1	9665	43.0	7472	33.2	5240	23.3
84 2134	807	3.6	0.45 11.4	630	2.8	421	1.9	1983	8.8	9896	44.0	8268	36.8	5541	24.6	3852	17.1
96 2438	704	3.1	0.60 15.2	483	2.1	320	1.4	1534	6.8	8844	39.3	6635	29.5	4247	18.9	2949	13.1
108 2743	625	2.8	0.76 19.3	380	1.7	255	1.1	1214	5.4	7651	34.0	5242	23.3	3355	14.9	**	**
120 3048	565	2.5	0.93 23.6	309	1.4	206	0.9	981	4.4	6330	28.2	4247	18.9	2720	12.1	**	**
																$\frac{KL}{r} > 200$	

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

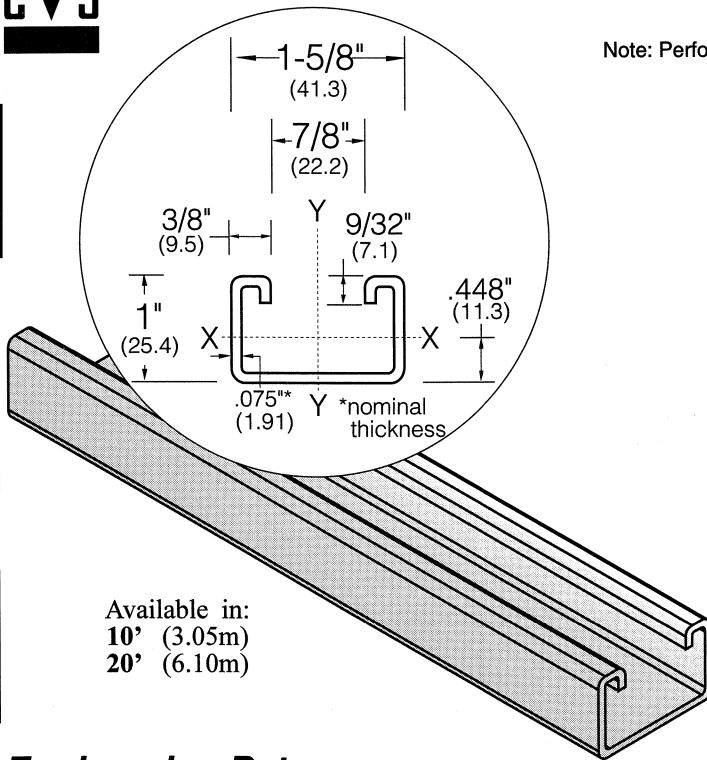
(Uniform beam loading on 24" and 36" spans limited by weld shear.)



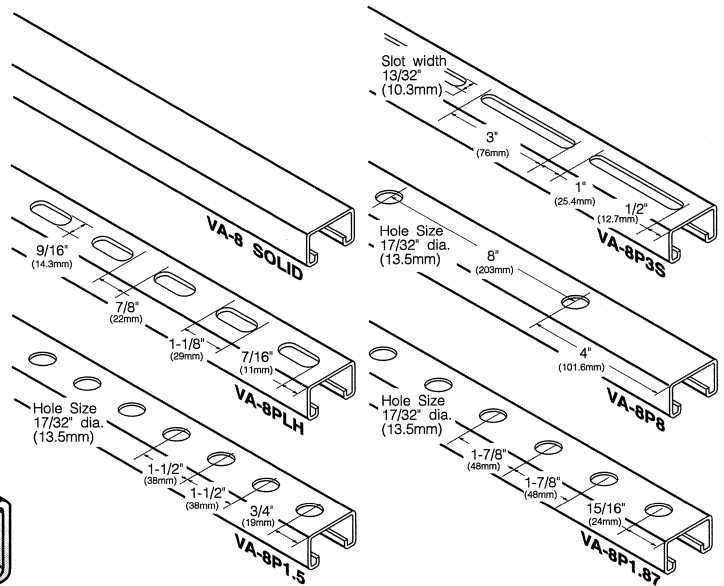
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
●	○	○	○	○	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-8			sq. in.	cm ²				
14 ga.	Wgt. Per L.F. (Kg. Per M)	1.13 lbs. (1.68)	.318	2.04	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration

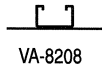
beam loading data						column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity					
in. (mm)	Lbs.	kN	in. (mm)		Span/240 Lbs. kN	Span/360 Lbs. kN	Lbs. kN	K=.65 Lbs. kN	K=.80 Lbs. kN	K=1.0 Lbs. kN	K=1.2 Lbs. kN		
24 610	546	2.4	0.11 2.8		546 2.4	374 1.7	2166 9.6	4845 21.6	4548 20.2	4119 18.3	3588 16.0		
36 914	390	1.7	0.23 5.8		234 1.0	156 0.7	1876 8.3	4332 19.3	3978 17.7	2739 12.2	2080 9.3		
48 1219	250	1.1	0.42 10.7		136 0.6	93 0.4	1531 6.8	3819 17.0	3020 13.4	1870 8.3	1144 5.1		
60 1524	210	0.9	0.64 16.3		93 0.4	56 0.2	1173 5.2	2793 12.4	1938 8.6	1127 5.0	** **		
72 1829	179	0.8	0.91 23.1		66 0.3	39 0.2	897 4.0	2052 9.1	1362 6.1	** **	** **		
84 2134	156	0.7	1.23 31.2		46 0.2	31 0.1	690 3.1	1527 6.8	969 4.3	** **	** **		
96 2438	132	0.6	1.60 40.6		37 0.2	25 0.1	586 2.6	1128 5.0	** **	** **	** **		
108 2743	109	0.5	1.98 50.3		28 0.1	17 0.1	496 2.2	855 3.8	** **	** **	** **		
120 3048	105	0.5	2.50 63.5		21 0.1	14 0.1	414 1.8	** **	** **	** **	** **		
												$\frac{KL}{r} > 200$	

NOTES

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- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



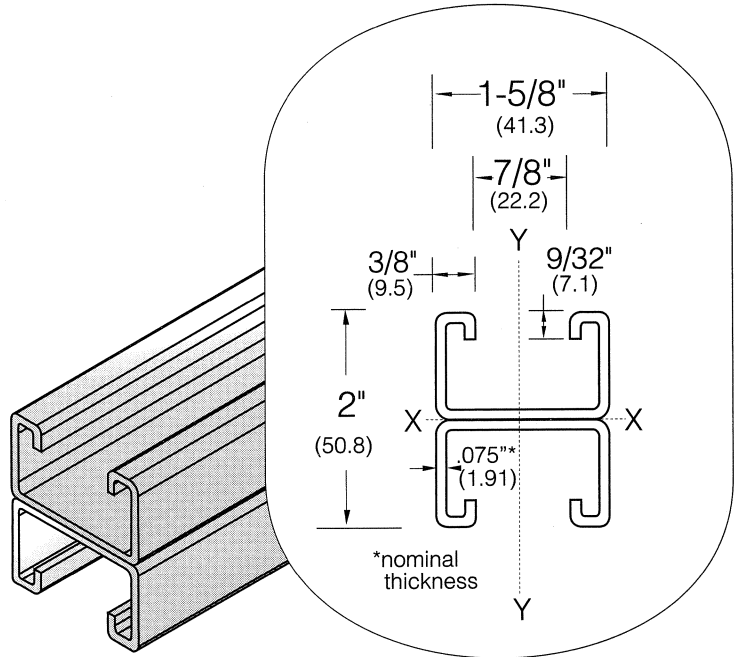
welded
combinations



VA-8208



VA-8209



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-8201			sq. in.	cm ²	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
14 ga.	Wgt. Per L.F. (Kg. Per M)	2.20 lbs. (3.276)						
			.636	4.11				

beam loading data								column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
								K=.65		K=.80		K=1.0		K=1.2	
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN
24 610	954	4.2	0.07 1.8	954	4.2	954	4.2	4028 17.9	11780 52.4	11340 50.4	10710 47.6	10395 46.2			
36 914	954	4.2	0.10 2.5	954	4.2	845 3.8	3800 16.9	11160 49.6	10710 47.6	9450 42.0	8820 39.2				
48 1219	834	3.7	0.20 5.1	829 3.7	553 2.5	529 2.4	347 1.5	3192 14.2	10540 46.9	9450 42.0	7560 33.6	6300 28.0			
60 1524	663	2.9	0.32 8.1	529 2.4	347 1.5	363 1.6	244 1.1	3192 14.2	9300 41.4	7560 33.6	5670 25.2	3780 16.8			
72 1829	553	2.5	0.46 11.7	363 1.6	244 1.1			2812 12.5	8060 35.9	6300 28.0	3780 16.8	2520 11.2			
84 2134	475	2.1	0.62 15.7	268 1.2	173 0.8			2432 10.8	6820 30.3	4725 21.0	2520 11.2	1890 8.4	1890 8.4	1890 8.4	1890 8.4
96 2438	413	1.8	0.81 20.6	205 0.9	134 0.6			2052 9.1	5580 24.8	3780 16.8	1890 8.4	**	**	**	**
108 2743	366	1.6	1.03 26.2	158 0.7	102 0.5			1748 7.8	4340 19.3	2520 11.2	1260 5.6	**	**	**	**
120 3048	327	1.5	1.27 32.3	126 0.6	86 0.4			1520 6.8	3100 13.8	1890 8.4	**	**	**	**	**
$**\frac{KL}{r} > 200$															

NOTES

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- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

(Uniform beam loading on 24" and 36" spans limited by weld shear.)

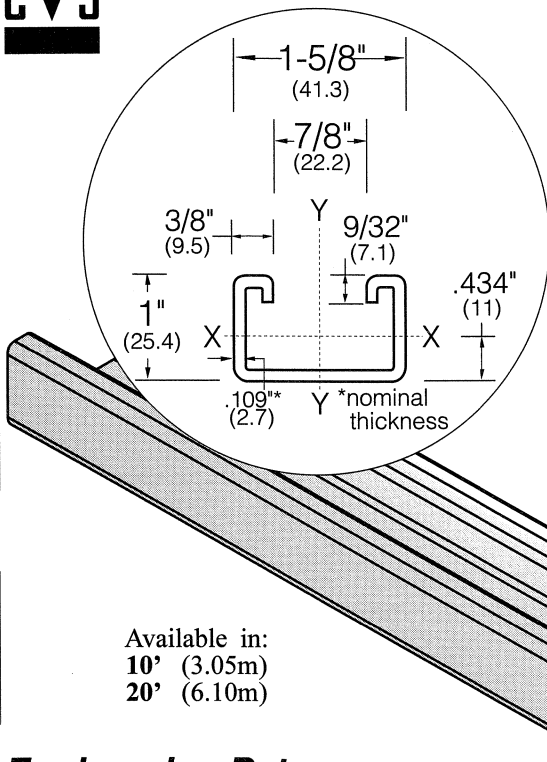


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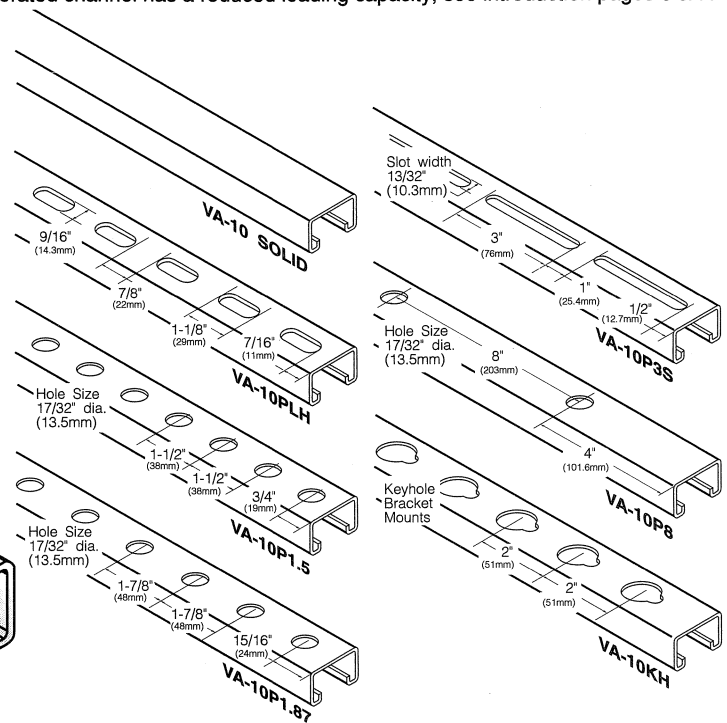
Produced and stocked in the following finishes and materials:

G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)



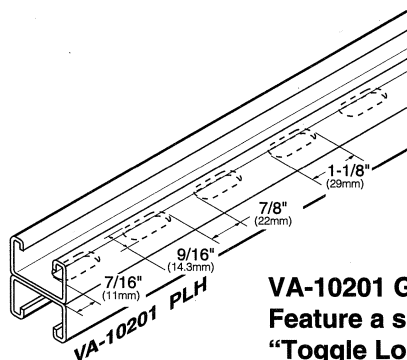
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-10			sq. in.	cm ²				
12 ga.	Wgt. Per L.F.	1.44 lbs.			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	(Kg. Per M)	(2.14)	.424	2.73				
						.0533 In. 4 2.22 cm. 4	.0923 In. 3 1.51 cm. 3	.356 In. .90 cm.
						.1598 In. 4 6.65 cm. 4	.1967 In. 3 3.22 cm. 3	.616 In. 1.56 cm.

beam loading data								column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
in. (mm)	Lbs.	kN	in. (mm)		Span/240 Lbs. kN	Span/360 Lbs. kN	Lbs. kN	K=.65 Lbs. kN	K=.80 Lbs. kN	K=1.0 Lbs. kN	K=1.2 Lbs. kN				
24 610	762	3.4	0.10 2.5		762 3.4	578 2.6	3141 14.0	8538 38.0	8133 36.2	7585 33.7	7047 31.3				
36 914	506	2.3	0.22 5.6		385 1.7	256 1.1	2721 12.1	7555 33.6	7048 31.4	5921 26.3	4333 19.3				
48 1219	379	1.7	0.40 10.2		216 1.0	143 0.6	2225 9.9	6787 30.2	5402 24.0	3509 15.6	2438 10.8				
60 1524	305	1.4	0.62 15.7		138 0.6	92 0.4	1719 7.6	5271 23.4	3509 15.6	2245 10.0	**	**	**	**	**
72 1829	254	1.1	0.89 22.6		95 0.4	64 0.3	1349 6.0	3693 16.4	2438 10.8	**	**	**	**	**	**
84 2134	219	1.0	1.20 30.5		70 0.3	47 0.2	1085 4.8	2712 12.1	1789 8.0	**	**	**	**	**	**
96 2438	190	0.8	1.58 40.1		54 0.2	36 0.2	891 4.0	2077 9.2	**	**	**	**	**	**	**
108 2743	170	0.8	1.95 49.5		42 0.2	29 0.1	742 3.3	1641 7.3	**	**	**	**	**	**	**
120 3048	154	0.7	2.47 62.7		35 0.2	23 0.1	625 2.8	**	**	**	**	**	**	**	**
$\frac{KL}{r} > 200$															

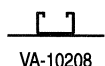
NOTES

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VA-10201 Galv. & VA-10201-PLH Galv.
Feature a superior *non-welded*
"Toggle Lock" design.

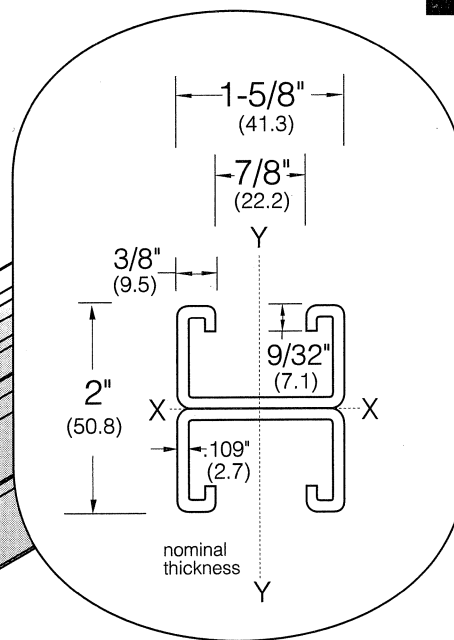
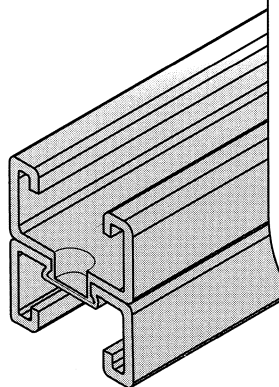
welded
combinations



VA-10208



VA-10209



cross sectional cut of spot connection shown for illustrational purposes

Engineering Data

elements of sections		
VA-10201		
12 ga.	Wgt. Per L.F.	2.88 lbs.
	(Kg. Per M)	(4.28)

Sectional Area	
sq. in.	cm ²
.847	5.46

X-X axis	Moment of inertia	Section modulus	Radius of gyration
	.2570 In. ⁴ 10.70 cm. ⁴	.2570 In. ³ 4.21 cm. ³	.552 In. 1.40 cm.
Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	.3196 In. ⁴ 13.30 cm. ⁴	.3933 In. ³ 6.44 cm. ³	.616 In. 1.56 cm.

beam loading data							column loading data							
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading	Uniform Loading at Deflections			Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity						
in. (mm)	Lbs.	kN	in. (mm)	Span/240	Span/360		Lbs.	kN	K=.65	K=.80	K=1.0	K=1.2		
				Lbs.	kN	Lbs.			Lbs.	kN	Lbs.	kN	Lbs.	kN
24 610	1585	7.1	0.04 1.0	1585	7.1	1585	7.1	24.7	20190	89.8	19695	87.6	18761	83.5
36 914	1425	6.3	0.11 2.9	1425	6.3	1245	5.5	23.3	18951	84.3	18054	80.3	16475	73.3
48 1219	1069	4.8	0.20 5.2	1049	4.7	701	3.1	21.4	17595	78.3	16106	71.6	13795	61.4
60 1524	855	3.8	0.32 8.1	672	3.0	448	2.0	19.3	15989	71.1	13889	61.8	10621	47.2
72 1829	713	3.2	0.46 11.6	466	2.1	309	1.4	17.1	14185	63.1	11381	50.6	7475	33.3
84 2134	611	2.7	0.62 15.8	342	1.5	227	1.0	14.8	12125	53.9	8636	38.4	5399	24.0
96 2438	533	2.4	0.81 20.7	262	1.2	175	0.8	12.8	9998	44.5	6602	29.4	4166	18.5
108 2743	474	2.1	1.03 26.1	206	0.9	138	0.6	11.1	7899	35.1	5222	23.2	3396	15.1
120 3048	427	1.9	1.27 32.3	167	0.7	111	0.5	9.7	6405	28.5	4211	18.7	**	**
														** $\frac{KL}{r} > 200$

NOTES

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(Uniform beam loading on 24" and 36" spans limited by weld shear.)

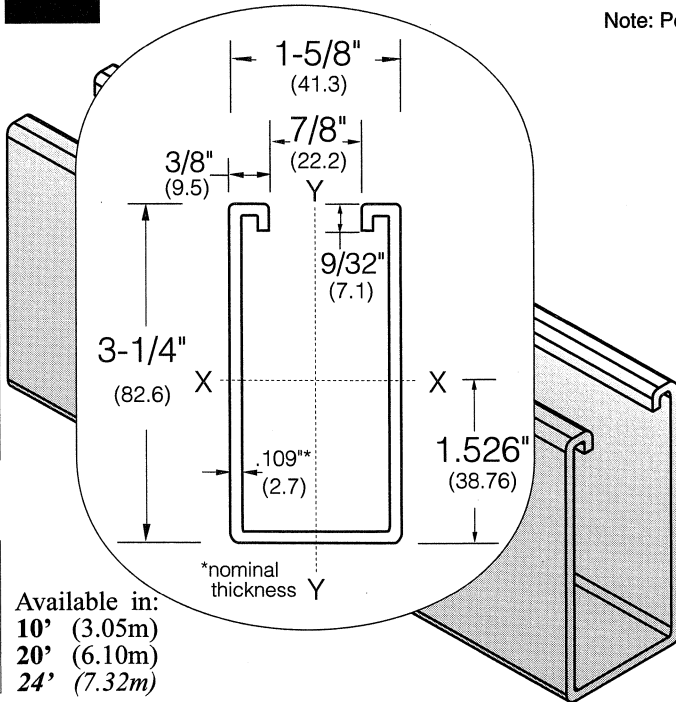


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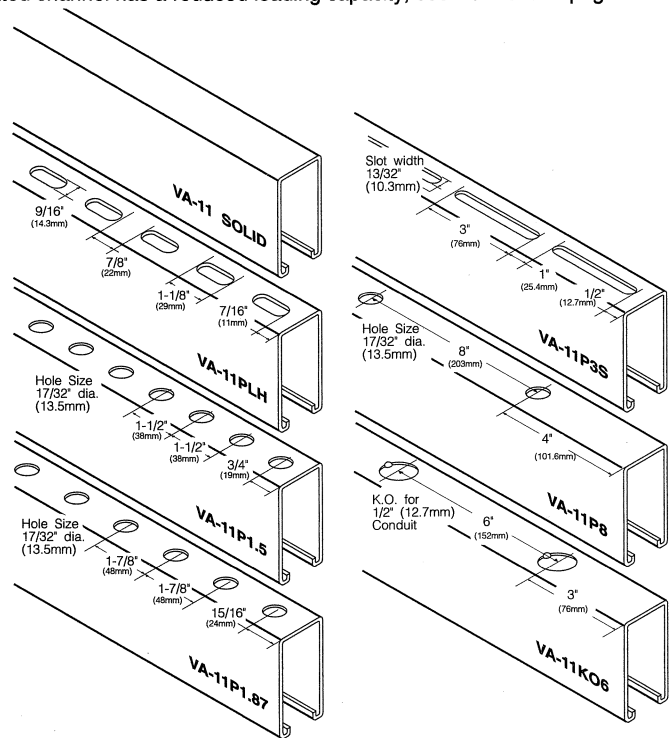
Produced and stocked in the following finishes and materials:

●	○	○	○	○	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)
24' (7.32m)



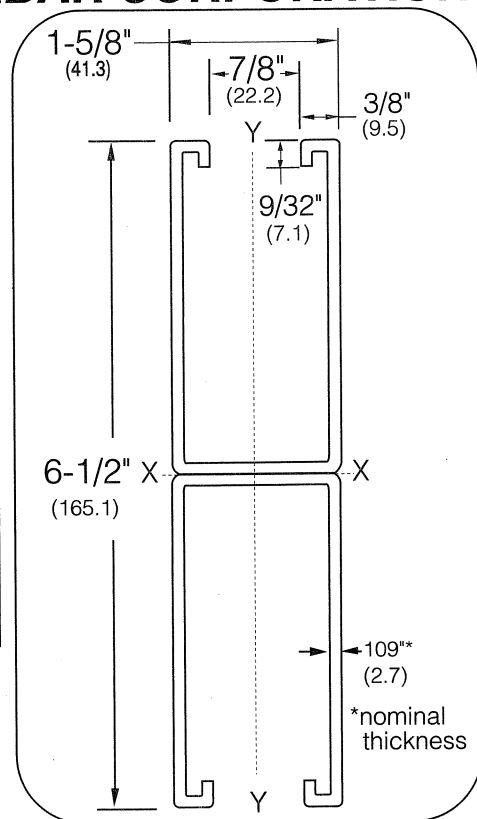
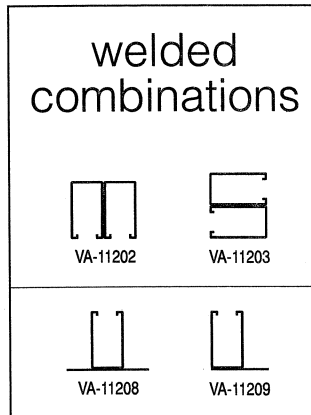
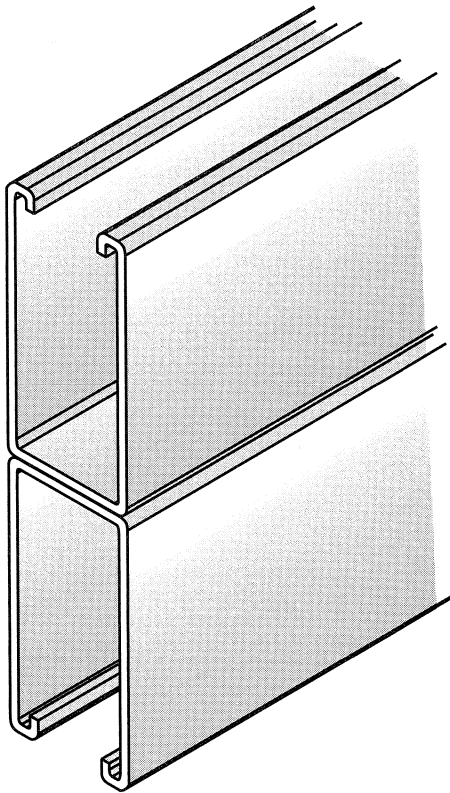
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-11			sq. in.	cm ²				
12 ga.	Wgt. Per L.F. (Kg. Per M)	3.05 lbs. (4.54)	.897	5.79				
					Y-Y axis	Moment of inertia	Section modulus	Radius of gyration

beam loading data						column loading data									
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
								K=.65		K=.80		K=1.0		K=1.2	
in. (mm)	Lbs.	kN	in. (mm)		Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN	Lbs. kN
24 610	5235	23.3	0.03	0.7	5235 23.3	5235 23.3	4700 20.9	8500 37.8	8200 36.5	7900 35.1	7400 32.9	6600 29.4	5700 25.4	3900 17.3	3000 13.3
36 914	3487	15.5	0.07	1.7	3487 15.5	3487 15.5	4200 18.7	7900 35.1	7400 32.9	6600 29.4	5700 25.4	4700 21.1	3900 17.3	3000 13.3	2300 10.2
48 1219	2618	11.6	0.12	3.0	2618 11.6	2618 11.6	3400 15.1	6000 26.7	5800 25.8	5000 22.2	4500 20.0	3600 16.0	3000 13.3	2300 10.2	1900 8.5
60 1524	2090	9.3	0.18	4.6	2100 9.3	1912 8.5	2700 12.0	5000 22.2	4500 20.0	3600 16.0	3000 13.3	2300 10.2	1900 8.5	1500 6.7	1200 5.3
72 1829	1745	7.8	0.26	6.7	1745 7.8	1327 5.9	2300 10.2	4000 17.8	3500 15.6	2795 12.4	2300 10.2	1900 8.5	1500 6.7	1200 5.3	900 4.0
84 2134	1492	6.6	0.36	9.1	1465 6.5	977 4.3	1900 8.5	3000 13.3	2700 12.0	2300 10.2	1900 8.5	1500 6.7	1200 5.3	900 4.0	700 3.1
96 2438	1309	5.8	0.47	11.9	1122 5.0	747 3.3	1600 7.1	2800 12.5	2300 10.2	1900 8.5	1500 6.7	1200 5.3	900 4.0	700 3.1	500 2.2
108 2743	1166	5.2	0.59	15.0	885 3.9	589 2.6	1350 6.0	2200 9.8	2000 8.9	1720 7.7	1500 6.7	1200 5.3	900 4.0	700 3.1	500 2.2
120 3048	1042	4.6	0.73	18.6	716 3.2	478 2.1	1200 5.3	2000 8.9	1800 8.0	1530 6.8	1300 5.8	1100 4.9	900 4.0	700 3.1	500 2.2
144 3658	870	3.9	1.05	26.7	498 2.2	330 1.5									
168 4267	748	3.3	1.43	36.4	367 1.6	245 1.1									
192 4877	656	2.9	1.87	47.5	279 1.2	188 0.8									
216 5486	580	2.6	2.37	60.1	219 1.0	149 0.7									
240 6096	524	2.3	2.92	74.3	178 0.8	120 0.5									

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



Engineering Data

elements of sections		
VA-11201		
12 ga.	Wgt. Per L.F. (Kg. Per M)	6.10 lbs. (9.08)

Sectional Area	
sq. in.	cm ²
1.794	11.59

X-X axis	Moment of inertia	Section modulus	Radius of gyration
	6.2139 In. ⁴ 258.64 cm. ⁴	1.9120 In. ³ 31.33 cm. ³	1.876 In. 4.76 cm.
Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	.8542 In. ⁴ 35.55 cm. ⁴	1.0513 In. ³ 17.23 cm. ³	.696 In. 1.77 cm.

beam loading data								column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections				Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity								
										K=.65		K=.80		K=1.0		K=1.2		
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN			
24 610	5132	22.8	0.01	0.1	5132	22.8	5132	22.8	7740	34.4	18200	81.0	17710	78.8	17600	78.3	17500	77.8
36 914	5132	22.8	0.02	0.4	5132	22.8	5132	22.8	7700	34.3	17590	78.2	17420	77.5	17200	76.5	16800	74.7
48 1219	5132	22.8	0.04	1.0	5132	22.8	5132	22.8	7500	33.4	17300	77.0	17020	75.7	16600	73.8	15900	70.7
60 1524	4525	20.1	0.08	2.0	4525	20.1	4525	20.1	7400	32.9	17000	75.6	16600	73.8	15800	70.3	14800	65.8
72 1829	3775	16.8	0.11	2.8	3775	16.8	3775	16.8	6200	27.6	16600	73.8	15900	70.7	14900	66.3	13400	59.6
84 2134	3240	14.4	0.15	3.8	3240	14.4	3240	14.4	5000	22.2	16200	72.1	15200	67.6	13700	60.9	11700	52.0
96 2438	2840	12.6	0.20	5.1	2840	12.6	2840	12.6	4050	18.0	15700	69.8	14300	63.6	13000	57.8	9800	43.6
108 2743	2515	11.2	0.25	6.4	2515	11.2	2515	11.2	3340	14.9	15000	66.7	13400	59.6	11000	48.9	7800	34.7
120 3048	2270	10.1	0.31	7.9	2270	10.1	2270	10.1	2790	12.4	14600	64.9	12600	56.0	9100	40.5	**	**
144 3658	1890	8.4	0.44	11.2	1890	8.4	1695	7.5									$^{**}\frac{KL}{r} > 200$	
168 4267	1620	7.2	0.60	15.2	1620	7.2	1250	5.6	N O T E	• Long spans may have to be braced to prevent rotation and twist.								
192 4877	1415	6.3	0.79	20.1	1415	6.3	960	4.3		• Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.								
216 5486	1270	5.6	1.00	25.4	1140	5.1	760	3.4		• Maximum allowable uniformly distributed loads are listed for simple								
240 6096	1140	5.1	1.24	31.5	915	4.1	620	2.8										

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

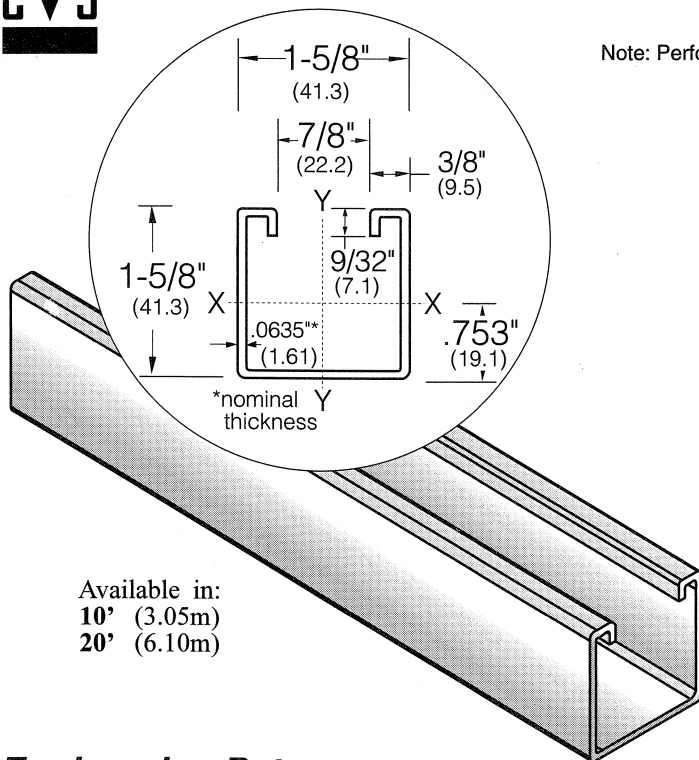
(Uniform beam loading on 24" and 36" spans limited by weld shear.)



VERSABAR CORPORATION

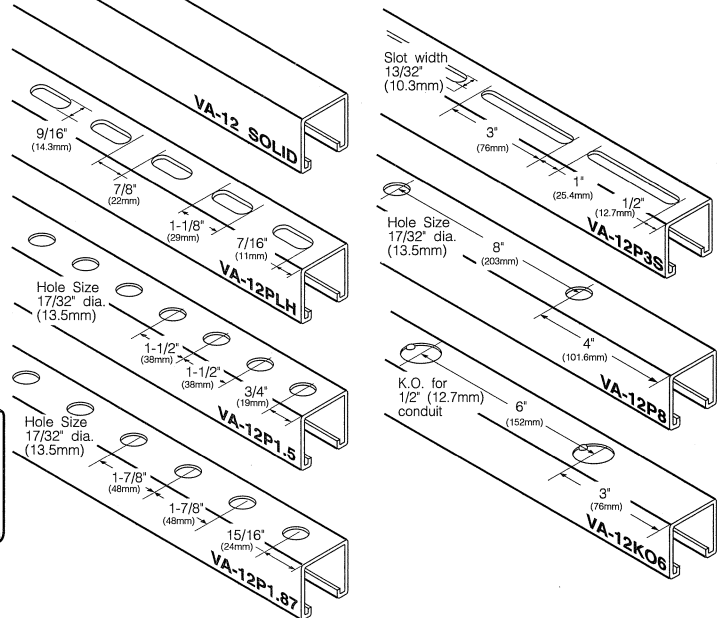
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)

Special Order Item - Non Stock



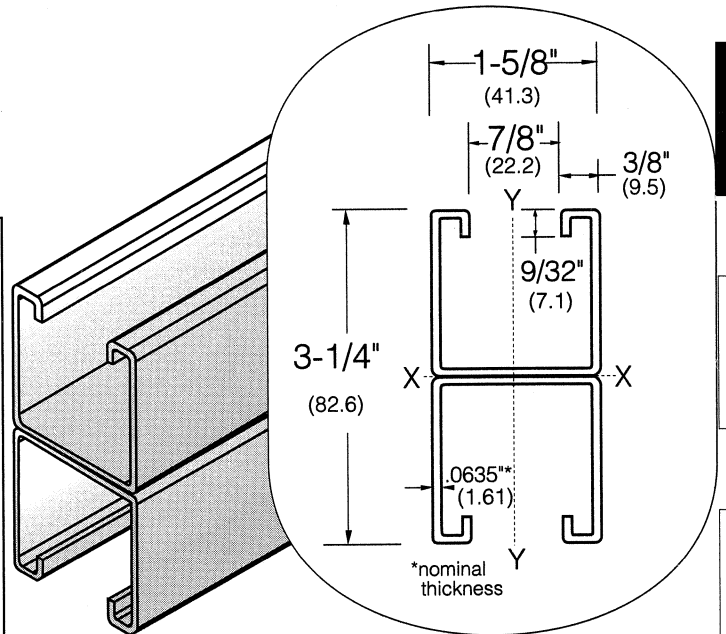
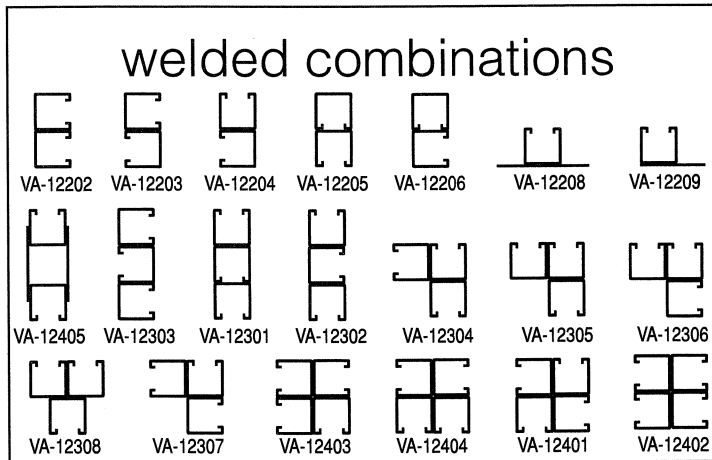
Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-12			sq. in.	cm ²				
16 ga.	Wgt. Per L.F.	1.20 lbs.			Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	(Kg. Per M)	(1.787)	.340	2.20				
						.123 In. 4 5.11 cm. 4	.140 In. 3 2.288 cm. 3	.610 In. 1.546 cm.
						.149 In. 4 6.20 cm. 4	.184 In. 3 3.00 cm. 3	.672 In. 1.704 cm.

beam loading data							column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity									
								K=.65		K=.80		K=1.0		K=1.2			
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN		
24 610	1160	5.2	0.06 1.4	1160	5.2	1160	5.2	2100	9.3	3850	17.1	3730	16.6	3550	15.8	3330	14.8
36 914	770	3.4	0.13 3.3	770	3.4	600	2.7	1740	7.7	3450	15.3	3330	14.8	2960	13.2	2540	11.3
48 1219	578	2.6	0.23 5.8	500	2.2	335	1.5	1220	5.4	1940	8.6	1870	8.3	1770	7.9	1660	7.4
60 1524	462	2.1	0.36 9.1	320	1.4	207	0.9	890	4.0	1240	5.5	1200	5.3	1130	5.0	1060	4.7
72 1829	382	1.7	0.51 13.1	220	1.0	148	0.7	670	3.0	860	3.8	830	3.7	780	3.5	730	3.2
84 2134	328	1.5	0.70 17.8	160	0.7	106	0.5	510	2.3	630	2.8	600	2.7	570	2.5	540	2.4
96 2438	287	1.3	0.91 23.2	120	0.5	83	0.4	400	1.8	480	2.1	460	2.0	440	2.0	410	1.8
108 2743	255	1.1	1.16 29.4	95	0.4	62	0.3	320	1.4	370	1.6	360	1.6	350	1.6	**	**
120 3048	230	1.0	1.43 36.2	77	0.3	46	0.2	270	1.2	300	1.3	290	1.3	290	1.3	**	**
144 3658	190	0.8	2.13 54.1	52	0.2	35	0.2									**KL/r > 200	
168 4267	160	0.7	2.87 72.9	32	0.1	27	0.1	N O T	• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.								
192 4877	140	0.6	3.78 96.0	20	0.1												
216 5486	120	0.5	4.66 118.4	15	0.1												
240 6096	110	0.5	5.90 149.9														

NOTES

- Long spans may have to be braced to prevent rotation and twist.
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- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



Engineering Data

Special Order Item - Non Stock

elements of sections		
VA-12201		
16 ga.	Wgt. Per L.F. (Kg. Per M)	2.40 lbs. (3.574)

Sectional Area	
sq. in.	cm ²
.681	4.40

X-X axis	Moment of inertia	Section modulus	Radius of gyration
	.612 In. ⁴ 25.47 cm. ⁴	.377 In. ³ 6.166 cm. ³	.961 In. 2.436 cm.
Y-Y axis	Moment of inertia	Section modulus	Radius of gyration
	.299 In. ⁴ 12.44 cm. ⁴	.368 In. ³ 6.019 cm. ³	.672 In. 1.7037 cm.

beam loading data								column loading data								
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading	Uniform Loading at Deflections				Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity							
									K=.65		K=.80		K=1.0		K=1.2	
in. (mm)	Lbs.	kN	in. (mm)	Span/240		Span/360		Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	
24 610	1210	5.4	0.01 0.4	1210	5.4	1210	5.4	3590	16.0	8090	36.0	8050	35.8	7970	35.5	
36 914	1210	5.4	0.04 1.0	1210	5.4	1210	5.4	3520	15.7	7980	35.5	7880	35.1	7710	34.3	
48 1219	1210	5.4	0.10 2.4	1210	5.4	1210	5.4	3440	15.3	7830	34.8	7640	34.0	7340	32.7	
60 1524	1100	4.9	0.19 4.8	1100	4.9	1072	4.8	3060	13.6	7630	33.9	7340	32.7	6870	30.6	
72 1829	1050	4.7	0.28 7.1	1050	4.7	740	3.3	2380	10.6	7380	32.8	6970	31.0	6290	28.0	
84 2134	900	4.0	0.38 9.7	820	3.6	540	2.4	1880	8.4	7090	31.5	6540	29.1	5610	25.0	
96 2438	788	3.5	0.50 12.7	630	2.8	410	1.8	1510	6.7	6760	30.1	6030	26.8	4820	21.4	
108 2743	700	3.1	0.63 16.1	495	2.2	330	1.5	1230	5.5	6390	28.4	5460	24.3	3930	17.5	
120 3048	625	2.8	0.78 19.9	400	1.8	265	1.2	1010	4.5	5960	26.5	4825	21.5	3190	14.2	
144 3658	518	2.3	1.13 28.7	275	1.2	185	0.8									
168 4267	438	1.9	1.53 38.9	202	0.9	135	0.6									
192 4877	385	1.7	2.03 51.6	155	0.7	105	0.5									
216 5486	330	1.5	2.53 64.3	115	0.5	75	0.3									
240 6096	302	1.3	3.17 80.5	95	0.4	65	0.3									
								• Long spans may have to be braced to prevent rotation and twist. • Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry. • Maximum allowable uniformly distributed loads are listed for simple								

(Uniform beam loading on 24" and 36" spans limited by weld shear.)

NOTES

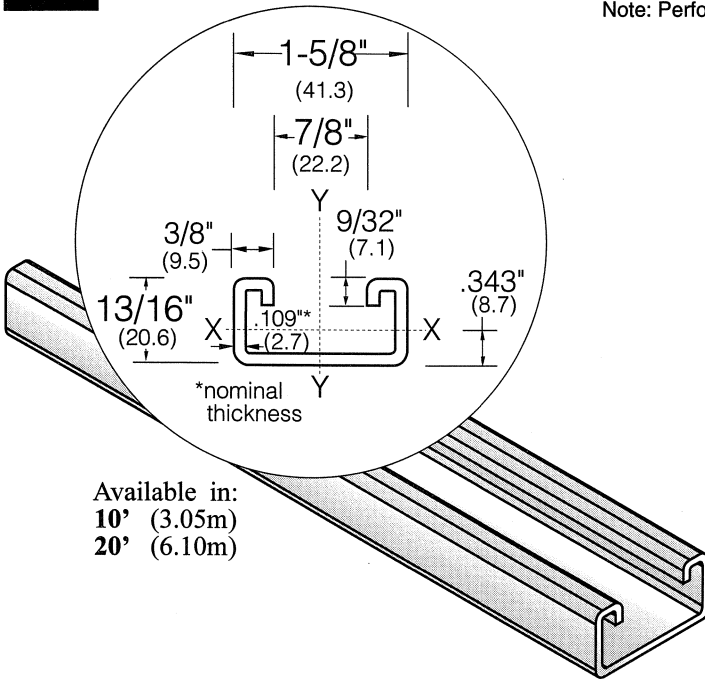
- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



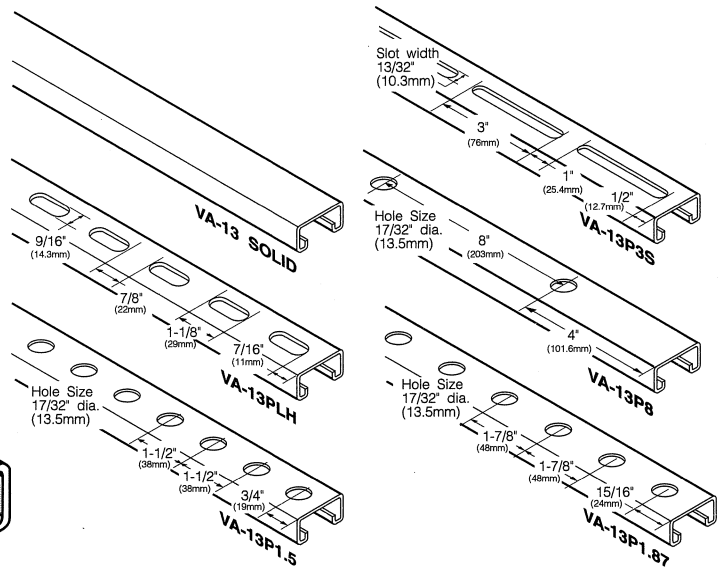
VERSABAR CORPORATION

Produced and stocked in the following finishes and materials:					
●	○	○	○	○	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Note: Perforated channel has a reduced loading capacity, see introduction pages 6 & 7.



Available in:
10' (3.05m)
20' (6.10m)



Engineering Data

elements of sections			Sectional Area		X-X axis	Moment of inertia	Section modulus	Radius of gyration
VA-13			sq. in.	cm ²				
12 ga.	Wgt. Per L.F. (Kg. Per M)	1.27 lbs. (1.89)	.374	2.41	Y-Y axis	Moment of inertia	Section modulus	Radius of gyration

beam loading data							column loading data										
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity									
								K=.65		K=.80		K=1.0		K=1.2			
in. (mm)	Lbs.	kN	in. (mm)	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN		
24 610	532	2.4	0.11 2.7	502	2.2	332	1.5	2750	12.2	7870	35.0	7510	33.4	6515	29.0	5390	24.0
36 914	358	1.6	0.24 6.1	223	1.0	145	0.6	2150	9.6	6650	29.6	5390	24.0	3600	16.0	2500	11.1
48 1219	265	1.2	0.43 10.8	122	0.5	80	0.4	1558	6.9	4780	21.3	3170	14.1	2030	9.0	**	**
60 1524	212	0.9	0.67 16.9	78	0.3	52	0.2	1158	5.2	3078	13.7	2030	9.0	**	**	**	**
72 1829	175	0.8	0.96 24.4	54	0.2	34	0.2	888	4.0	2135	9.5	**	**	**	**		
84 2134	152	0.7	1.31 33.2	39	0.2	25	0.1	700	3.1	1570	7.0	**	**	**	**		
96 2438	132	0.6	1.71 43.4	30	0.1	20	0.1	565	2.5	**	**	**	**				
108 2743	118	0.5	2.16 54.9	22	0.1	16	0.1	460	2.0	**	**						
120 3048	102	0.5	2.67 67.7	18	0.1	12	0.1	390	1.7	**	**						
																	$\frac{KL}{r} > 200$

NOTES

- Long spans may have to be braced to prevent rotation and twist.
- Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
- Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.



VERSABAR CORPORATION

END CAPS and CLOSURE STRIP

VA-9 Closure Strip

Wgt. 42# per C/LF G-90 Mill Galv. Finish*
(63 kg M)



*also available in stainless and aluminum

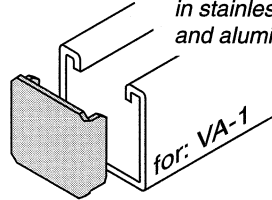
VF-1001

Wgt. 11# per C
(5 kg)



also available
in stainless
and aluminum

Zinc
Plated
Finish Std.*

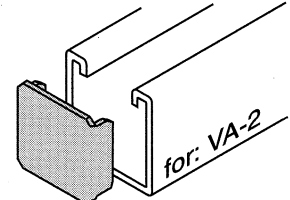


VF-1001-2

Wgt. 11# per C
(5 kg)



Zinc
Plated
Finish

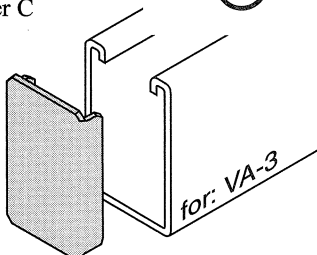


VF-1001-3

Wgt. 17# per C
(7.7 kg)



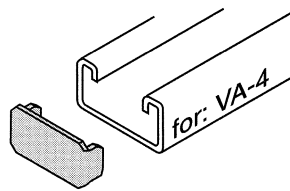
Zinc
Plated
Finish



VF-1001-4

Wgt. 4.8# per C
(2.2 kg)

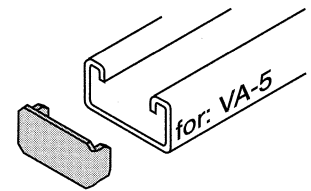
Zinc
Plated
Finish



VF-1001-5

Wgt. 4.8# per C
(2.2 kg)

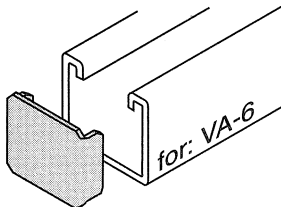
Zinc
Plated
Finish



VF-1001-6

Wgt. 9.5# per C
(4.3 kg)

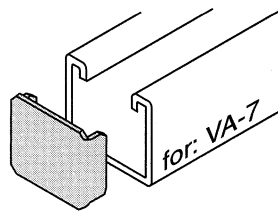
Zinc
Plated
Finish



VF-1001-7

Wgt. 9.5# per C
(4.3 kg)

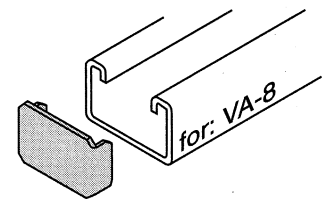
Zinc
Plated
Finish



VF-1001-8

Wgt. 7.5# per C
(3.4 kg)

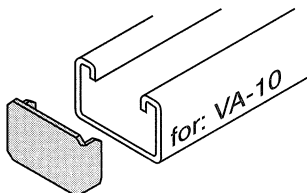
Zinc
Plated
Finish



VF-1001-10

Wgt. 7.5# per C
(3.4 kg)

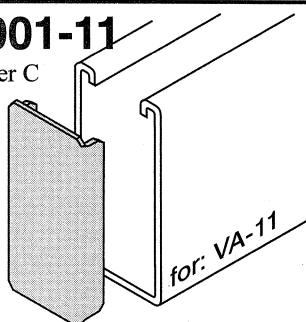
Zinc
Plated
Finish



VF-1001-11

Wgt. 20# per C
(9.1 kg)

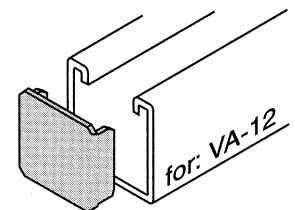
Zinc
Plated
Finish



VF-1001-12

Wgt. 11# per C
(5 kg)

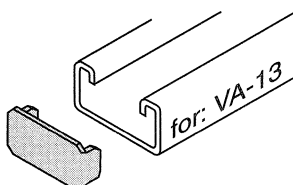
Zinc
Plated
Finish



VF-1001-13

Wgt. 4.8# per C
(2.2 kg)

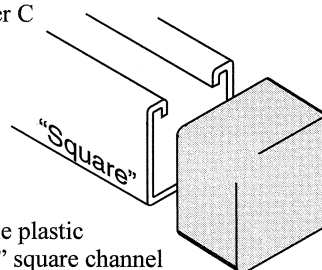
Zinc
Plated
Finish



VF-1001-1-PL Plastic

Wgt. 2.8# per C
(1.27 kg)

White flexible plastic
Fits all 1-5/8" square channel



VF-1001-4-PL Plastic

Wgt. 2# per C
(.91 kg)

White flexible plastic
Fits all 13/16" depth channels

