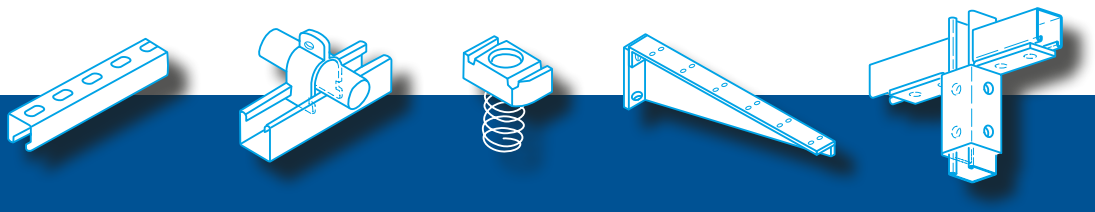
KUMAR

INDUSTRIES, INC.

Manufacturers of "Nu-Strut" Framing Channel System & Custom Steel Fabrication



"Products With Integrity"

4775 CHINO AVENUE • CHINO, CA 91710 • TEL: (909) 591-0722 • FAX: (909) 591-6334
www.kumarindustries.net • Engineering Catalog No 52

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CHANNELS:

NU-STRUT Channels are manufactured by the cold roll forming method from low carbon strip steel. One side of the channel provides a continuous slot with two lips. The attachment of hardware such as spring nuts, which are toothed, is assured to be secure.Steel material conforms to the following specifications.

GAUGE	FINISH	ASTM SPEC NO.
12 Gauge	GR and HDG	ASTM A1011 SS GR 3
12 Gauge	PG	ASTM A653 GR 33
14 Gauge	GR & HDG	ASTM A1011 SS GR 33
14 Gauge	PG	ASTM A653 GR 33
16 Gauge	GR & HDG	ASTM A1011 SS GR 33
16 Gauge	PG	ASTM A653 GR 33
19 Gauge	GR & HDG	ASTM A1008
19 Gauge	PG	ASTM A653 GR 33

FITTINGS:

NU-STRUT Fittings are manufactured from hot-rolled, pickled and oiled strip steel or bar steel conforming to ASTM A575, A576, A635, or A36. The fitting steel also meets the physical requirements of ASTM-A1011-SS-GR33.

NUTS AND SCREWS:

NU-STRUT Channel Nuts are manufactured from steel bar stock, which has been case hardened, after the stamping process. All bolts and nuts have American National coarse screw threads. Nuts are zinc coated. Channel nuts available with or without spring, when provided with spring, galvanized spring steel wire is used. Bar stock used to manufacture channel nuts conforms to ASTM A1011 SS GR 33, screws conform to SAE J429 GR 2 (also meets & exceeds ASTM A307).

FINISHES:

PL (Plain) - Mill finish.

GR (Green) - Channels available in standard green enamel semi-gloss paint applied after steel has been thoroughly cleaned and phosphated.

PG (Pre-Galvanized) - Galvanized steel is used to manufacture channels. Channel sections conform to ASTM A653-G90.

HDG (Hot Dip Galvanized) - Channel which has been hot dip galvanized after fabrication conforms to ASTM A123, ASTM A153, or ASTM A386.

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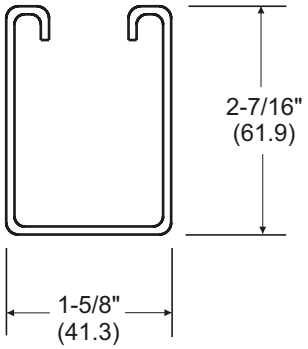
Standard Finish is mill galvanized per ASTM A-653.

See pages 5-10 for channel engineering data.

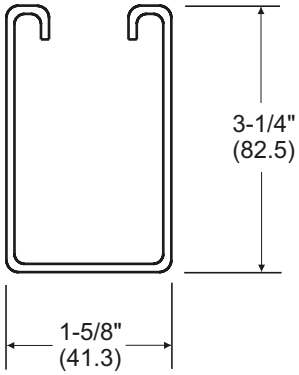
12 GA = .105"
14 GA = .075"
16 GA = .060"
19 GA = .040"

N-100



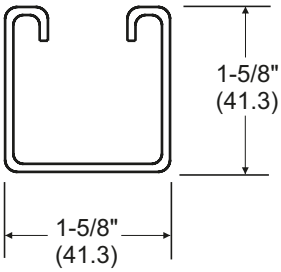
Thickness = 12 GA (2.6 mm)

N-150



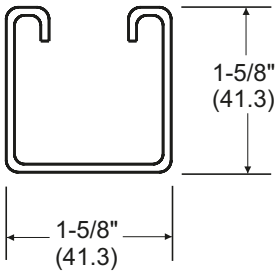
Thickness = 12 GA (2.6 mm)

N-200



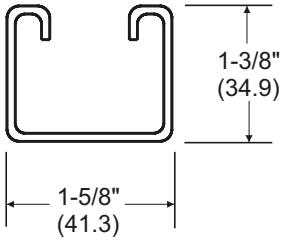
Thickness = 12 GA (2.6 mm)

N-210



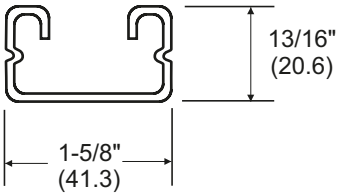
Thickness = 14 GA (1.9 mm)

N-300



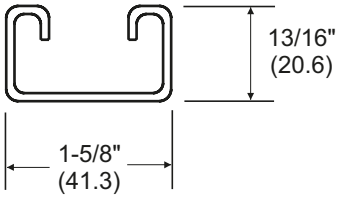
Thickness = 12 GA (2.6 mm)

N-400



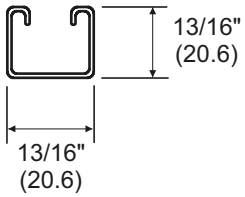
Thickness = 16 GA (1.5 mm)

N-500



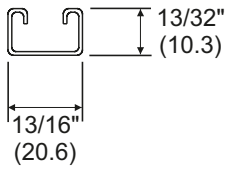
Thickness = 14 GA (1.9 mm)

N-600



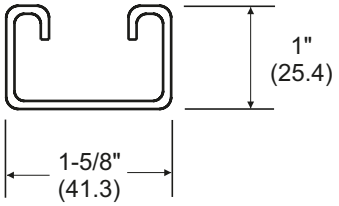
Thickness = 19 GA (1.0 mm)

N-700



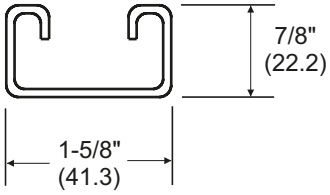
Thickness = 19 GA (1.0 mm)

N-800



Thickness = 12 GA (2.6 mm)

N-900



Thickness = 12 GA (2.6 mm)

CHANNEL COMBINATIONS

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To order one of these channel combinations, add its letter as a suffix to a channel number.
Example: N-200A
Other combinations available upon request.


A


B

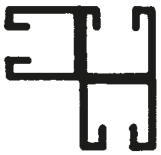

C


D


E


F


G


H


I


J

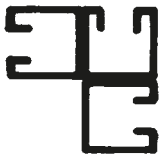

K


L


M


N


O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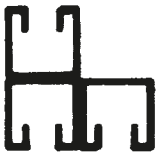
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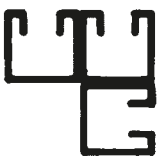
R


S


T


U

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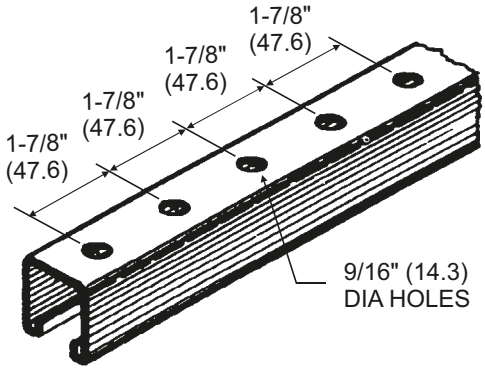
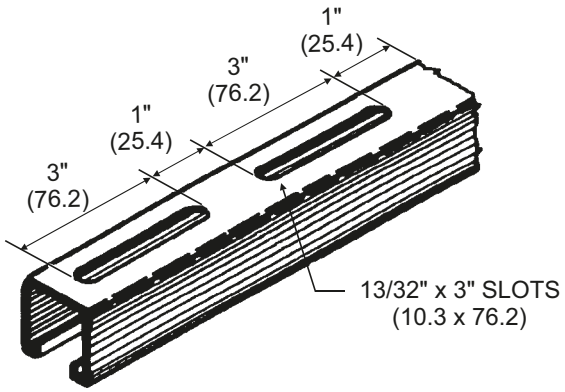
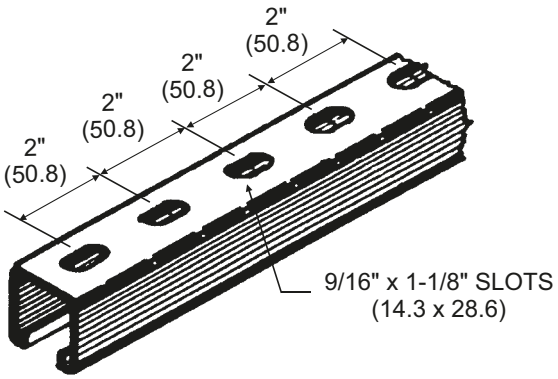
CHANNEL WITH HOLES
Add “H” to the channel number.
Example: N-200-H



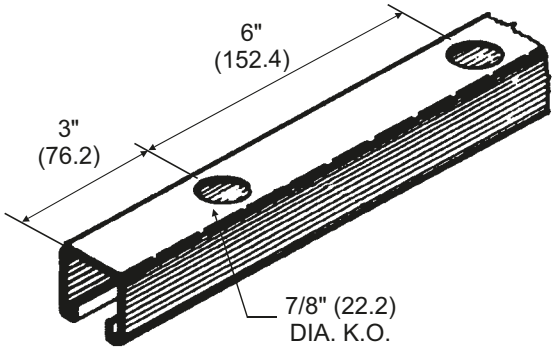
CHANNEL WITH LONG SLOTS
Add “SL” to the channel number.
Example: N-200-SL



CHANNEL WITH SHORT SLOTS
Add “SS” to the channel number.
Example: N-200-SS



CHANNEL WITH KNOCK-OUTS
Add “KO” to the channel number.
Example: N-200-KO



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PROPERTIES OF SECTIONS:

I = Moment of Inertia

S = Section Modulus

r = Radius of Gyration

Wt. = Weight

Area = Cross Sectional Area

STANDARD LENGTHS:

10 ft (3.05 m) & 20 ft (6.09 m)

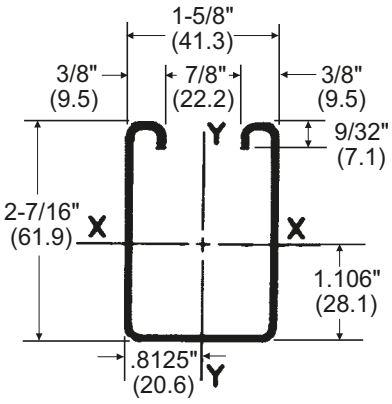
BEAM AND COLUMN DATA:

Uniform Load: Load shown is total load uniformly distributed over a simple span. Stress level is 25,000 psi (172MPa) and is recommended for use where deflection is not critical.

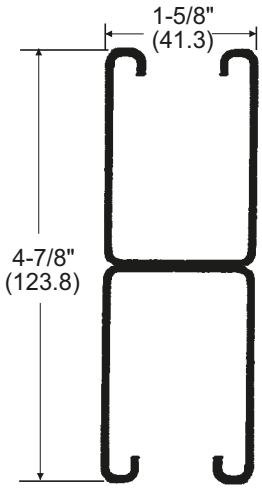
Uniform Load at Deflection = 1/240 Span: Load shown is total load uniformly distributed over a simple span. This load is recommended for use where deflection is required to be unnoticeable.

Maximum Column Loading: Load shown is total allowable axial load. For eccentric loads, reduce values shown accordingly.

For allowable concentrated load at center of span, multiply load shown by 0.5 and deflection shown by 0.8.



Wt. = 2.47 lbs/ft (3.67 kg/m)
Area = 0.727 in^2 (4.69 cm^2)
I_{x-x} = 0.525 in^4 (21.85 cm^4)
S_{x-x} = 0.394 in^3 (6.46 cm^3)
r_{x-x} = 0.850 in (2.16 cm)
I_{Y-Y} = 0.339 in^4 (14.11 cm^4)
S_{Y-Y} = 0.417 in^3 (6.83 cm^3)
r_{Y-Y} = 0.683 in (1.73 cm)
Thickness = 12 GA (2.6 mm)
.105"



Wt. = 4.94 lbs/ft (7.35 kg/m)
Area = 1.454 in^2 (9.38 cm^2)
I_{x-x} = 2.830 in^4 (117.79 cm^4)
S_{x-x} = 1.161 in^3 (19.03 cm^3)
r_{x-x} = 1.395 in (35.43 cm)
I_{Y-Y} = 0.678 in^4 (28.22 cm^4)
S_{Y-Y} = 0.834 in^3 (13.67 cm^3)
r_{Y-Y} = 0.683 in (1.73 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-100 CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	3283	14.71	3283	14.71	8319	37.27
36	914	2188	9.80	2188	9.80	7139	31.98
48	1219	1641	7.35	1641	7.35	5747	25.75
60	1524	1313	5.88	1313	5.88	4306	19.29
72	1829	1094	4.90	972	4.35	3345	14.99
84	2134	938	4.20	714	3.20	2746	12.30
96	2438	820	3.67	546	2.45	2340	10.48
108	2743	729	3.27	432	1.94	2043	9.15
120	3048	656	2.94	350	1.57	1817	8.14

N-100A CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	3800*	17.02	3800*	17.02	18467	82.69
36	914	3800*	17.02	3800*	17.02	18015	80.71
48	1219	3800*	17.02	3800*	17.02	17383	77.88
60	1524	3800*	17.02	3800*	17.02	16570	74.23
72	1829	3225	14.45	3225	14.45	15578	69.79
84	2134	2764	12.38	2764	12.38	14404	64.53
96	2438	2418	10.83	2418	10.83	13050	58.46
108	2743	2150	9.63	2150	9.63	11515	51.59
120	3048	1935	8.67	1886	8.45	9800	43.90

* Limited by spot weld shear.

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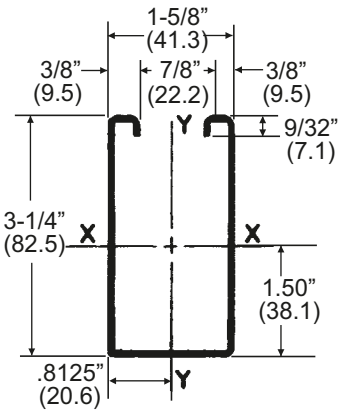
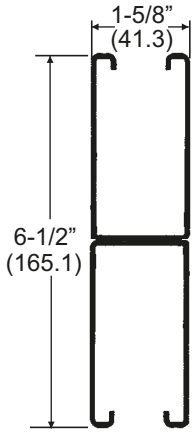


Wt. = 3.05 lbs/ft (4.54 kg/m)
Area = 0.897 in^2 (5.79 cm^2)
I_{x-x} = 1.100 in^4 (45.78 cm^4)
S_{x-x} = 0.629 in^3 (10.31 cm^3)
r_{x-x} = 1.107 in (28.12 cm)
I_{Y-Y} = 0.437 in^4 (18.19 cm^4)
S_{Y-Y} = 0.538 in^3 (8.82 cm^3)
r_{Y-Y} = 0.698 in (17.73 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-150 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	5241	23.48	5241	23.48	7371	33.02
36	914	3494	15.65	3494	15.65	6579	29.47
48	1219	2620	11.74	2620	11.74	5592	25.05
60	1524	2096	9.39	2096	9.39	4489	20.11
72	1829	1747	7.83	1747	7.83	3484	15.61
84	2134	1497	6.71	1496	6.70	2756	12.35
96	2438	1310	5.87	1145	5.13	2307	10.33
108	2743	1164	5.21	905	4.05	1991	8.92
120	3048	1048	4.69	733	3.28	1757	7.87

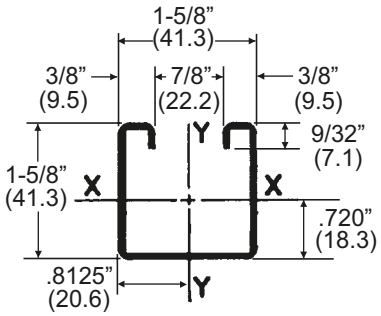


Wt. = 6.10 lbs/ft (9.08 kg/m)
Area = 1.794 in^2 (11.57 cm^2)
I_{x-x} = 6.225 in^4 (259.10 cm^4)
S_{x-x} = 1.915 in^3 (31.39 cm^3)
r_{x-x} = 1.863 in (47.32 cm)
I_{Y-Y} = 0.874 in^4 (36.38 cm^4)
S_{Y-Y} = 1.076 in^3 (17.64 cm^3)
r_{Y-Y} = 0.698 in (17.73 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-150A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	4900*	21.95	4900*	21.95	15930	71.37
36	914	4900*	21.95	4900*	21.95	15674	70.22
48	1219	4900*	21.95	4900*	21.95	15314	68.61
60	1524	4900*	21.95	4900*	21.95	14852	66.54
72	1829	4900*	21.95	4900*	21.95	14288	64.01
84	2134	4559	20.42	4559	20.42	13621	61.02
96	2438	3989	17.87	3989	17.87	12851	57.57
108	2743	3546	15.89	3546	15.89	11979	53.67
120	3048	3191	14.30	3191	14.30	11003	49.29

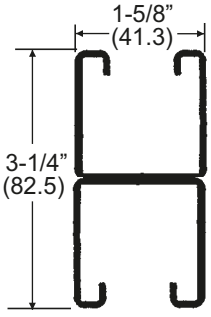
* Limited by spot weld shear.



Wt. = 1.90 lbs/ft (2.83 kg/m)
Area = 0.558 in^2 (3.60 cm^2)
I_{x-x} = 0.185 in^4 (7.70 cm^4)
S_{x-x} = 0.204 in^3 (3.34 cm^3)
r_{x-x} = 0.576 in (14.63 cm)
I_{Y-Y} = 0.234 in^4 (9.74 cm^4)
S_{Y-Y} = 0.288 in^3 (4.72 cm^3)
r_{Y-Y} = 0.647 in (16.43 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-200 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	1700	7.62	1700	7.62	8370	37.50
36	914	1133	5.08	1133	5.08	7020	31.45
48	1219	850	3.81	772	3.46	5573	24.97
60	1524	680	3.05	494	2.21	4246	19.02
72	1829	566	2.54	343	1.54	3411	15.28
84	2134	485	2.17	252	1.13	2858	12.80
96	2438	425	1.90	193	0.86	2455	11.00
108	2743	377	1.69	152	0.68	2142	9.60
120	3048	340	1.52	123	0.55	1890	8.47



Wt. = 3.80 lbs/ft (5.65 kg/m)
Area = 1.116 in^2 (7.20 cm^2)
I_{x-x} = 0.940 in^4 (39.12 cm^4)
S_{x-x} = 0.578 in^3 (9.47 cm^3)
r_{x-x} = 0.918 in (23.32 cm)
I_{Y-Y} = 0.468 in^4 (19.48 cm^4)
S_{Y-Y} = 0.576 in^3 (9.44 cm^3)
r_{Y-Y} = 0.647 in (16.43 cm^4)
Thickness = 12 GA (2.6 mm)
.105"

N-200A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	2480*	11.11	2480*	11.11	19047	85.33
36	914	2480*	11.11	2480*	11.11	18357	82.24
48	1219	2408	10.79	2408	10.79	17389	77.90
60	1524	1926	8.63	1926	8.63	16146	72.33
72	1829	1605	7.19	1605	7.19	14625	65.52
84	2134	1376	6.16	1278	5.72	12829	57.47
96	2438	1204	5.39	979	4.39	10755	48.18
108	2743	1070	4.79	773	3.46	8571	38.40
120	3048	963	4.31	626	2.80	6943	31.10

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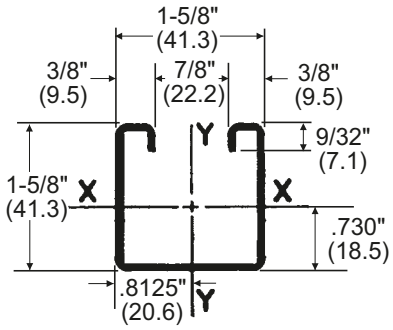
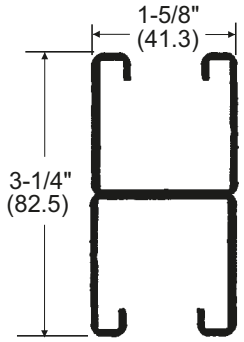


Wt. = 1.40 lbs/ft (2.08 kg/m)
Area = 0.412 in^2 (2.66 cm^2)
I_{x-x} = 0.146 in^4 (6.08 cm^4)
S_{x-x} = 0.163 in^3 (2.67 cm^3)
r_{x-x} = 0.595 in (15.11 cm)
I_{Y-Y} = 0.180 in^4 (7.49 cm^4)
S_{Y-Y} = 0.222 in^3 (3.64 cm^3)
r_{Y-Y} = 0.661 in (16.79 cm)
Thickness = 14 GA (1.9 mm)
.075"

N-210 CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	1358	6.08	1358	6.08	5286	23.68
36	914	905	4.05	905	4.05	4534	20.31
48	1219	679	3.04	608	2.72	3638	16.30
60	1524	543	2.43	389	1.74	2707	12.13
72	1829	452	2.02	270	1.21	2091	9.37
84	2134	388	1.74	198	0.89	1708	7.65
96	2438	339	1.52	152	0.68	1447	6.48
108	2743	301	1.35	120	0.54	1257	5.63
120	3048	271	1.21	97	0.43	1112	4.98

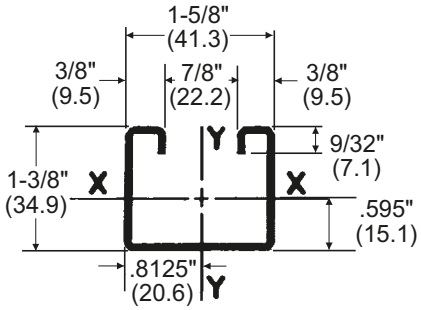


Wt. = 2.80 lbs/ft (4.17 kg/m)
Area = 0.824 in^2 (5.31 cm^2)
I_{x-x} = 0.730 in^4 (30.38 cm^4)
S_{x-x} = 0.449 in^3 (7.36 cm^3)
r_{x-x} = 0.941 in (23.90 cm)
I_{Y-Y} = 0.360 in^4 (14.98 cm^4)
S_{Y-Y} = 0.444 in^3 (7.28 cm^3)
r_{Y-Y} = 0.661 in (16.79 cm)
Thickness = 14 GA (1.9 mm)
.075"

N-210A CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	1700*	7.62	1700*	7.62	11890	53.27
36	914	1700*	7.62	1700*	7.62	11693	52.38
48	1219	1700*	7.62	1700*	7.62	10903	48.84
60	1524	1483	6.64	1483	6.64	10310	46.19
72	1829	1247	5.59	1247	5.59	9585	42.94
84	2134	1069	4.79	993	4.45	8730	39.11
96	2438	935	4.19	760	3.40	7741	34.68
108	2743	831	3.72	600	2.69	6622	29.67
120	3048	748	3.35	486	2.18	5421	24.29

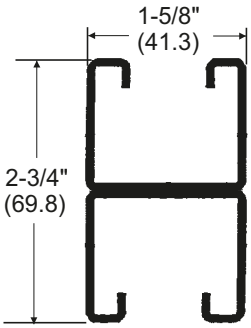
* Limited by spot weld shear.



Wt. = 1.70 lbs/ft (2.53 kg/m)
Area = 0.502 in^2 (3.24 cm^2)
I_{x-x} = 0.121 in^4 (5.04 cm^4)
S_{x-x} = 0.155 in^3 (2.54 cm^3)
r_{x-x} = 0.491 in (12.47 cm)
I_{Y-Y} = 0.206 in^4 (8.57 cm^4)
S_{Y-Y} = 0.254 in^3 (4.16 cm^3)
r_{Y-Y} = 0.640 in (16.26 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-300 CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	1291	5.78	1291	5.78	8193	36.70
36	914	861	3.86	861	3.86	6876	30.80
48	1219	645	2.89	504	2.26	5535	24.80
60	1524	516	2.31	322	1.44	4300	19.26
72	1829	430	1.93	224	1.00	3483	15.60
84	2134	369	1.65	164	0.73	2918	13.07
96	2438	332	1.49	126	0.56	2496	11.18
108	2743	287	1.29	99	0.44	2162	9.69
120	3048	258	1.16	80	0.36	1793	8.03



Wt. = 3.40 lbs/ft (5.06 kg/m)
Area = 1.004 in^2 (6.48 cm^2)
I_{x-x} = 0.595 in^4 (24.77 cm^4)
S_{x-x} = 0.433 in^3 (7.10 cm^3)
r_{x-x} = 0.770 in (19.56 cm)
I_{Y-Y} = 0.412 in^4 (17.15 cm^4)
S_{Y-Y} = 0.508 in^3 (8.33 cm^3)
r_{Y-Y} = 0.640 in (16.26 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-300A CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
24	610	2150*	9.63	2150*	9.63	18275	81.87
36	914	2150*	9.63	2150*	9.63	17955	80.44
48	1219	1804	8.08	1804	8.08	16875	75.60
60	1524	1443	6.46	1443	6.46	15489	69.39
72	1829	1202	5.38	1101	4.93	13793	61.79
84	2134	1030	4.61	809	3.62	11790	52.82
96	2438	902	4.04	619	2.77	9472	42.43
108	2743	811	3.63	489	2.19	7484	33.53
120	3048	721	3.23	396	1.77	6062	27.16

* Limited by spot weld shear.

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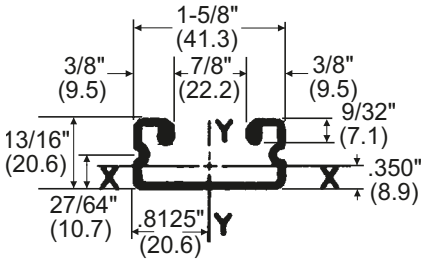
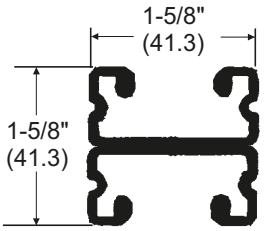


Wt. = 0.80 lbs/ft (1.19 kg/m)
Area = 0.226 in^2 (1.46 cm^2)
I_{x-x} = 0.022 in^4 (0.92 cm^4)
S_{x-x} = 0.048 in^3 (0.79 cm^3)
r_{x-x} = 0.311 in (7.90 cm)
I_{Y-Y} = 0.085 in^4 (3.54 cm^4)
S_{Y-Y} = 0.105 in^3 (1.72 cm^3)
r_{Y-Y} = 0.613 in (15.57 cm)
Thickness = 16 GA (1.5 mm)
.060"



Wt. = 1.60 lbs/ft (2.38 kg/m)
Area = 0.452 in^2 (2.91 cm^2)
I_{x-x} = 0.108 in^4 (4.49 cm^4)
S_{x-x} = 0.133 in^3 (2.18 cm^3)
r_{x-x} = 0.489 in (12.42 cm)
I_{Y-Y} = 0.170 in^4 (7.08 cm^4)
S_{Y-Y} = 0.210 in^3 (3.44 cm^3)
r_{Y-Y} = 0.613 in (15.57 cm)
Thickness = 16 GA (1.5 mm)
.060"

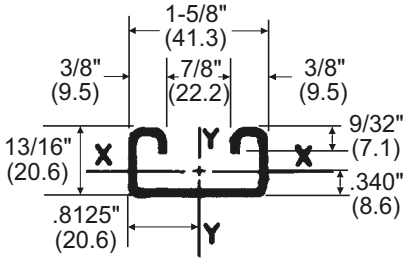
N-400 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	400	1.79	336	1.50	3930	17.61
36	914	266	1.19	162	0.73	3214	14.40
48	1219	200	0.90	91	0.41	2101	9.41
60	1524	160	0.72	58	0.26	1345	6.03
72	1829	133	0.60	40	0.18	934	4.18
84	2134	114	0.51	29	0.13	-	-
96	2438	100	0.45	22	0.10	-	-
108	2743	88	0.39	18	0.08	-	-
120	3048	80	0.36	14	0.06	-	-

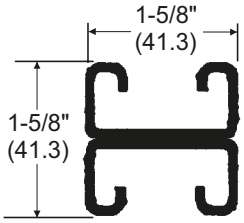
N-400A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	630*	2.82	630*	2.82	8785	39.36
36	914	630*	2.82	630*	2.82	8072	36.16
48	1219	554	2.48	450	2.02	7074	31.69
60	1524	443	1.98	288	1.29	5790	25.94
72	1829	369	1.65	200	0.90	4257	19.07
84	2134	316	1.42	146	0.65	3128	14.01
96	2438	277	1.24	112	0.50	2394	10.73
108	2743	246	1.10	88	0.39	1892	8.48
120	3048	221	0.99	72	0.32	1532	6.86

* Limited by spot weld shear.



Wt. = 0.97 lbs/ft (1.44 kg/m)
Area = 0.290 in^2 (1.87 cm^2)
I_{x-x} = 0.027 in^4 (1.12 cm^4)
S_{x-x} = 0.057 in^3 (0.93 cm^3)
r_{x-x} = 0.305 in (7.75 cm)
I_{Y-Y} = 0.108 in^4 (4.49 cm^4)
S_{Y-Y} = 0.133 in^3 (2.18 cm^3)
r_{Y-Y} = 0.610 in (15.49 cm)
Thickness = 14 GA (1.9 mm)
.075"



Wt. = 1.94 lbs/ft (2.89 kg/m)
Area = 0.580 in^2 (3.74 cm^2)
I_{x-x} = 0.119 in^4 (4.95 cm^4)
S_{x-x} = 0.146 in^3 (2.39 cm^3)
r_{x-x} = 0.453 in (11.51 cm)
I_{Y-Y} = 0.216 in^4 (8.99 cm^4)
S_{Y-Y} = 0.266 in^3 (4.36 cm^3)
r_{Y-Y} = 0.610 in (15.49 cm^4)
Thickness = 14 GA (1.9 mm)
.075"

N-500 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	475	2.13	449	2.01	4917	22.03
36	914	316	1.42	199	0.89	3870	17.34
48	1219	237	1.06	112	0.50	2432	10.89
60	1524	190	0.85	71	0.32	1557	6.97
72	1829	158	0.71	49	0.22	1080	4.84
84	2134	135	0.60	36	0.16	-	-
96	2438	118	0.53	28	0.12	-	-
108	2743	105	0.47	22	0.10	-	-
120	3048	95	0.43	17	0.08	-	-

N-500A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	840	3.76	840	3.76	10921	48.93
36	914	811	3.63	811	3.63	9978	44.70
48	1219	608	2.72	495	2.22	8658	38.79
60	1524	486	2.18	317	1.42	6960	31.18
72	1829	405	1.81	220	0.99	5013	22.46
84	2134	347	1.55	161	0.72	3683	16.50
96	2438	304	1.36	123	0.55	2820	12.63
108	2743	270	1.21	97	0.43	2228	9.98
120	3048	243	1.09	79	0.35	-	-

* Limited by spot weld shear.

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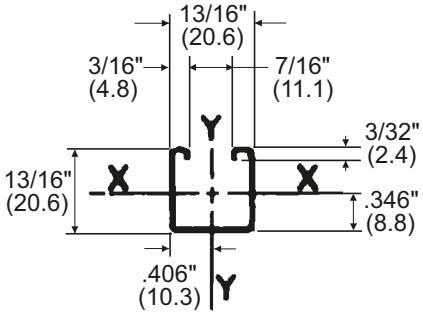
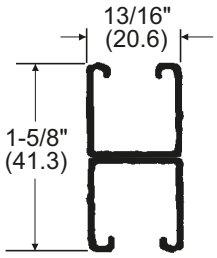


Wt. = 0.41 lbs/ft (0.61 kg/m)
Area = 0.122 in^2 (0.79 cm^2)
I_{x-x} = 0.0102 in^4 (0.42 cm^4)
S_{x-x} = 0.0219 in^3 (0.14 cm^3)
r_{x-x} = 0.2891 in (7.34 cm)
I_{Y-Y} = 0.0134 in^4 (0.56 cm^4)
S_{Y-Y} = 0.0329 in^3 (0.54 cm^3)
r_{Y-Y} = 0.3314 in (8.42 cm)
Thickness = 19 GA (1.0 mm) .040"

N-600 CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
12	305	291	1.30	291	1.30	1800	8.06
24	610	142	0.64	130	0.58	1353	6.06
36	914	99	0.44	60	0.27	877	3.93
48	1219	72	0.32	33	0.15	573	2.57
60	1524	59	0.26	22	0.10	414	1.85
72	1829	48	0.21	15	0.07	336	1.50

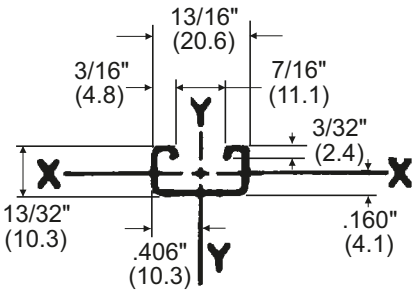


Wt. = 0.82 lbs/ft (1.22 kg/m)
Area = 0.244 in^2 (1.57 cm^2)
I_{x-x} = 0.0498 in^4 (2.07 cm^4)
S_{x-x} = 0.0614 in^3 (1.01 cm^3)
r_{x-x} = 0.4518 in (11.48 cm)
I_{Y-Y} = 0.0268 in^4 (1.11 cm^4)
S_{Y-Y} = 0.0658 in^3 (1.08 cm^3)
r_{Y-Y} = 0.3314 in (8.42 cm)
Thickness = 19 GA (1.0 mm) .040"

N-600A CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
12	305	345*	1.54	345*	1.54	3925	17.58
24	610	336	1.50	336	1.50	3710	16.62
36	914	272	1.22	270	1.21	3352	15.02
48	1219	207	0.93	165	0.74	2631	11.79
60	1524	161	0.72	103	0.46	1891	8.47
72	1829	138	0.62	74	0.33	1326	5.94

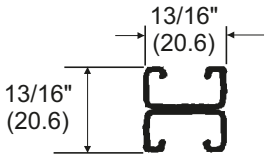
* Limited by spot weld shear.



Wt. = 0.30 lbs/ft (0.45 kg/m)
Area = 0.085 in^2 (0.55 cm^2)
I_{x-x} = 0.0017 in^4 (0.07 cm^4)
S_{x-x} = 0.0070 in^3 (0.11 cm^3)
r_{x-x} = 0.1414 in (3.59 cm)
I_{Y-Y} = 0.0077 in^4 (0.32 cm^4)
S_{Y-Y} = 0.0190 in^3 (0.31 cm^3)
r_{Y-Y} = 0.301 in (7.64 cm)
Thickness = 19 GA (1.0 mm) .040"

N-700 CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
12	305	93	0.42	91	0.41	1426	6.39
24	610	46	0.21	22	0.10	875	3.92
36	914	31	0.14	10	0.04	394	1.76
48	1219	23	0.10	6	0.03	205	0.92
60	1524	18	0.08	4	0.02	131	0.59



Wt. = 0.60 lbs/ft (0.89 kg/m)
Area = 0.170 in^2 (1.10 cm^2)
I_{x-x} = 0.0078 in^4 (0.32 cm^4)
S_{x-x} = 0.0191 in^3 (0.31 cm^3)
r_{x-x} = 0.2142 in (5.44 cm)
I_{Y-Y} = 0.0154 in^4 (0.64 cm^4)
S_{Y-Y} = 0.0380 in^3 (0.62 cm^3)
r_{Y-Y} = 0.301 in (7.64 cm)
Thickness = 19 GA (1.0 mm) .040"

N-700A CHANNEL

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	lbs	kN	lbs	kN	lbs	kN
12	305	168	0.75	168	0.75	3083	13.81
24	610	127	0.57	101	0.45	2594	11.62
36	914	85	0.38	46	0.21	1779	7.97
48	1219	64	0.29	26	0.12	931	4.17
60	1524	51	0.23	16	0.07	596	2.67

* Limited by spot weld shear.

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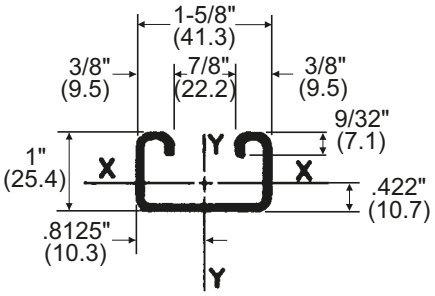
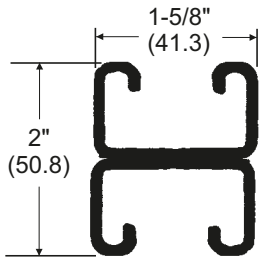


Wt. = 1.44 lbs/ft (2.14 kg/m)
Area = 0.426 in^2 (2.75 cm^2)
I_{x-x} = 0.053 in^4 (2.21 cm^4)
S_{x-x} = 0.092 in^3 (1.51 cm^3)
r_{x-x} = 0.352 in (8.94 cm)
I_{Y-Y} = 0.160 in^4 (1.06 cm^4)
S_{Y-Y} = 0.197 in^3 (3.23 cm^3)
r_{Y-Y} = 0.613 in (15.57 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-800 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	766	3.43	766	3.43	7273	32.58
36	914	511	2.29	392	1.76	6345	28.43
48	1219	383	1.72	220	0.99	4684	20.98
60	1524	306	1.37	141	0.63	3160	14.16
72	1829	255	1.14	98	0.44	2195	9.83
84	2134	219	0.98	72	0.32	1612	7.22
96	2438	191	0.86	55	0.25	-	-
108	2743	170	0.76	43	0.19	-	-
120	3048	153	0.68	35	0.16	-	-

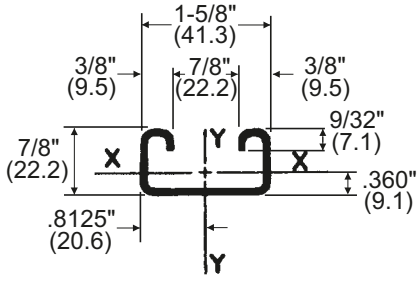


Wt. = 2.88 lbs/ft (4.28 kg/m)
Area = 0.852 in^2 (5.49 cm^2)
I_{x-x} = 0.255 in^4 (10.61 cm^4)
S_{x-x} = 0.255 in^3 (4.18 cm^3)
r_{x-x} = 0.547 in (13.89 cm)
I_{Y-Y} = 0.320 in^4 (13.32 cm^4)
S_{Y-Y} = 0.394 in^3 (6.46 cm^3)
r_{Y-Y} = 0.613 in (15.57 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-800A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	1550	6.94	1550	6.94	17781	79.66
36	914	1416	6.34	1416	6.34	16284	72.95
48	1219	1062	4.76	1062	4.73	14525	65.07
60	1524	850	3.81	680	3.05	12515	56.07
72	1829	708	3.17	472	2.11	10248	45.91
84	2134	607	2.72	346	1.55	7780	34.85
96	2438	531	2.38	265	1.19	5957	26.69
108	2743	472	2.11	209	0.94	4707	21.09
120	3048	425	1.90	170	0.76	3812	17.08

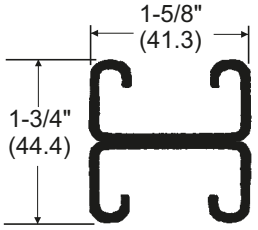
* Limited by spot weld shear.



Wt. = 1.36 lbs/ft (2.02 kg/m)
Area = 0.400 in^2 (2.58 cm^2)
I_{x-x} = 0.040 in^4 (1.66 cm^4)
S_{x-x} = 0.078 in^3 (1.28 cm^3)
r_{x-x} = 0.316 in (8.03 cm)
I_{Y-Y} = 0.148 in^4 (6.16 cm^4)
S_{Y-Y} = 0.182 in^3 (2.98 cm^3)
r_{Y-Y} = 0.608 in (15.44 cm)
Thickness = 12 GA (2.6 mm)
.105"

N-900 CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	650	2.91	642	2.88	7858	35.20
36	914	433	1.94	296	1.33	6198	27.77
48	1219	325	1.46	166	0.74	4101	18.37
60	1524	260	1.16	106	0.47	2648	11.86
72	1829	216	0.97	74	0.33	1838	8.23
84	2134	185	0.83	54	0.24	-	-
96	2438	162	0.73	41	0.18	-	-
108	2743	144	0.64	32	0.14	-	-
120	3048	130	0.58	26	0.12	-	-



Wt. = 2.72 lbs/ft (4.05 kg/m)
Area = 0.800 in^2 (5.16 cm^2)
I_{x-x} = 0.180 in^4 (7.49 cm^4)
S_{x-x} = 0.206 in^3 (3.38 cm^3)
r_{x-x} = 0.474 in (12.04 cm)
I_{Y-Y} = 0.296 in^4 (12.32 cm^4)
S_{Y-Y} = 0.364 in^3 (5.97 cm^3)
r_{Y-Y} = 0.608 in (15.44 cm^4)
Thickness = 12 GA (2.6 mm)
.105"

N-900A CHANNEL

BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	1350	6.05	1350	6.05	17490	78.35
36	914	1144	5.12	1144	5.12	15695	70.31
48	1219	858	3.84	750	3.36	13558	60.74
60	1524	686	3.07	480	2.15	11097	49.71
72	1829	572	2.56	333	1.49	8290	37.14
84	2134	490	2.19	244	1.09	6096	27.31
96	2438	429	1.92	187	0.84	4668	20.91
108	2743	381	1.71	148	0.66	-	-
120	3048	343	1.54	120	0.54	-	-

* Limited by spot weld shear.

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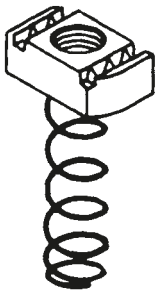
CLAMPING NUT WITH LONG SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1-4	1/4	6.3	20	1/4	6.3	7.5	3.4
N-1-6	3/8	9.5	16	3/8	9.5	10.0	4.5
N-1-8	1/2	12.7	13	1/2	12.7	12.0	5.4
N-1-10	5/8	15.9	11	7/16	11.1	16.0	7.3
N-1-12	3/4	19.0	10	7/16	11.1	15.5	7.0

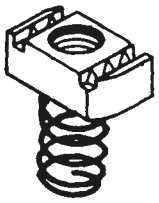
For N-100 and N-150 Channels



CLAMPING NUT WITH REGULAR SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2-0832	#8	N/A	32	1/4	6.3	7.5	3.4
N-2-1032	#10	N/A	32	1/4	6.3	7.5	3.4
N-2-1024	#10	N/A	24	1/4	6.3	7.5	3.4
N-2-4	1/4	6.3	20	1/4	6.3	7.5	3.4
N-2-5	5/16	7.9	18	3/8	9.5	9.7	4.4
N-2-6	3/8	9.5	16	3/8	9.5	10.0	4.5
N-2-8	1/2	12.7	13	1/2	12.7	11.5	5.2
N-2-10	5/8	15.9	11	7/16	11.1	15.0	6.8
N-2-12	3/4	19.0	10	7/16	11.1	15.0	6.8

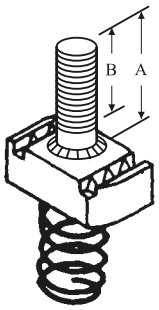
For N-200, N-210, and N-300 Channels



CHANNEL STUD NUT WITH SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	"A" STUD in	"A" STUD mm	"B" THREAD in	"B" THREAD mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2-4 NS-1	1/4	6.3	20	7/8	22.2	5/8	15.9	8	3.6
N-2-4 NS-2	1/4	6.3	20	1 1/8	28.6	7/8	22.2	9	4.1
N-2-4 NS-3	1/4	6.3	20	1 3/8	34.9	1 1/8	28.6	9	4.1
N-2-5 NS-1	5/16	7.9	18	7/8	22.2	5/8	15.9	12	5.4
N-2-5 NS-2	5/16	7.9	18	1 1/8	28.6	7/8	22.2	12	5.4
N-2-5 NS-3	5/16	7.9	18	1 3/8	34.9	1 1/8	28.6	13	5.9
N-2-6 NS-1	3/8	9.5	16	7/8	22.2	5/8	15.9	13	5.9
N-2-6 NS-2	3/8	9.5	16	1 1/8	28.6	7/8	22.2	13	5.9
N-2-6 NS-3	3/8	9.5	16	1 3/8	34.9	1 1/8	28.6	13	5.9
N-2-6 NS-4	3/8	9.5	16	1 5/8	41.3	1 3/8	34.9	15	6.8
N-2-6 NS-5	3/8	9.5	16	1 7/8	47.6	1 5/8	41.3	16	7.3
N-2-6 NS-6	3/8	9.5	16	2 1/8	54	1 7/8	47.6	16	7.3
N-2-8 NS-2	1/2	12.7	13	7/8	22.2	1/2	12.7	14	6.4
N-2-8 NS-3	1/2	12.7	13	1 1/8	28.6	3/4	19.0	15	6.8
N-2-8 NS-4	1/2	12.7	13	1 3/8	34.9	1	25.4	17	7.7
N-2-8 NS-5	1/2	12.7	13	1 5/8	41.3	1 1/4	31.7	18	8.2
N-2-8 NS-6	1/2	12.7	13	1 7/8	47.6	1 1/2	38.1	19	8.6
N-2-8 NS-7	1/2	12.7	13	2 1/8	54	1 3/4	44.5	20	9.1
N-2-10 NS-2	5/8	15.9	11	1 1/8	28.6	5/8	15.9	18	8.2
N-2-10 NS-3	5/8	15.9	11	1 3/8	34.9	7/8	22.2	20	9.1

For N-200, N-210, and N-300 Channels



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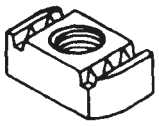
CLAMPING NUT WITHOUT SPRING

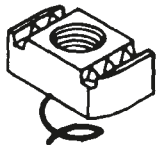
CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2-0832 WS	#8	N/A	32	1/4	6.3	6.5	2.9
N-2-1032 WS	#10	N/A	32	1/4	6.3	6.5	2.9
N-2-1024 WS	#10	N/A	24	1/4	6.3	6.5	2.9
N-2-4 WS	1/4	6.3	20	1/4	6.3	6.5	2.9
N-2-5 WS	5/16	7.9	18	3/8	9.5	8.7	3.9
N-2-6 WS	3/8	9.5	16	3/8	9.5	9.0	4.1
N-2-8 WS	1/2	12.7	13	1/2	12.7	10.6	4.8
N-2-10 WS	5/8	15.9	11	7/16	11.1	14.0	6.3
N-2-12 WS	3/4	19.0	10	7/16	11.1	14.0	6.3
***N-5-8 WS**	1/2	12.7	13	3/8	9.5	8.5	3.9



For N-100, N-150, N-200, N-210, N-300, N-800, and N-900 Channels
*Use with N-400 and N-500

CLAMPING NUT WITH SHORT SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-5-0832	#8	N/A	32	1/4	6.3	7.5	3.4
N-5-1032	#10	N/A	32	1/4	6.3	7.5	3.4
N-5-1024	#10	N/A	24	1/4	6.3	7.5	3.4
N-5-4	1/4	6.3	20	1/4	6.3	7.5	3.4
N-5-5	5/16	7.9	18	3/8	9.5	8.7	3.9
N-5-6	3/8	9.5	16	3/8	9.5	9.0	4.1
N-5-8	1/2	12.7	13	3/8	9.5	8.2	3.7



For N-400, N-500, N-800, and N-900 Channels

PULL OUT AND SLIP LOAD DATA

CHANNEL	CLAMPING NUT	RESISTANCE TO SLIP				RESISTANCE TO PULL-OUT			
		SAFETY FACTOR OF 3 lbs/bolt	SAFETY FACTOR OF 3 kg/bolt	SAFETY FACTOR OF 5 lbs/bolt	SAFETY FACTOR OF 5 kg/bolt	SAFETY FACTOR OF 3 lbs/bolt	SAFETY FACTOR OF 3 kg/bolt	SAFETY FACTOR OF 5 lbs/bolt	SAFETY FACTOR OF 5 kg/bolt
N-200	N-2-8	1500	681	900	409	2000	908	1200	545
N-210	N-2-8	1200	545	600	272	1500	681	900	409
N-300	N-2-8	1500	681	900	409	2000	908	1200	545
N-500	N-5-8	1000	454	600	272	1000	454	600	272

Nut and bolt tightened to 50lbs. torque

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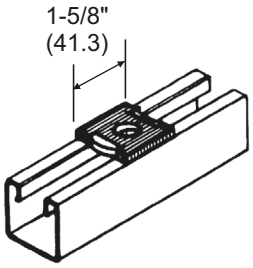
MINI NUT WITH STANDARD SPRING							
CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-6-0836	#8	N/A	36	0.150	3.8	1.0	0.5
N-6-0832	#8	N/A	32	0.150	3.8	1.0	0.5
N-6-1032	#10	N/A	32	0.150	3.8	1.0	0.5
N-6-1024	#10	N/A	24	0.150	3.8	1.0	0.5
N-6-4	1/4	6.3	20	0.150	3.8	1.0	0.5

For N-600 Channel

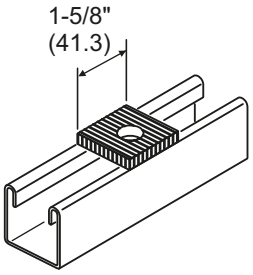
MINI NUT WITH SHORT SPRING							
CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-7-0836	#8	N/A	36	0.150	3.8	1.0	0.5
N-7-0832	#8	N/A	32	0.150	3.8	1.0	0.5
N-7-1032	#10	N/A	32	0.150	3.8	1.0	0.5
N-7-1024	#10	N/A	24	0.150	3.8	1.0	0.5
N-7-4	1/4	6.3	20	0.150	3.8	1.0	0.5

For N-700 Channel

NO-TWIST SQUARE WASHER						
CATALOG NUMBER	BOLT SIZE in	BOLT SIZE mm	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1002	5/16	7.9	11/32	8.7	18	8.2
N-1003	3/8	9.5	7/16	11.1	18	8.2
N-1004	1/2	12.7	9/16	14.3	17	7.7
N-1005	5/8	15.9	11/16	17.5	16	7.3
N-1006	3/4	19.0	13/16	20.6	15	6.8



FLAT SQUARE WASHER (WITHOUT INDENT)						
CATALOG NUMBER	BOLT SIZE in	BOLT SIZE mm	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1002 F	5/16	7.9	11/32	8.7	18	8.2
N-1003 F	3/8	9.5	7/16	11.1	18	8.2
N-1004 F	1/2	12.7	9/16	14.3	17	7.7
N-1005 F	5/8	15.9	11/16	17.5	16	7.3
N-1006 F	3/4	19.0	13/16	20.6	15	6.8



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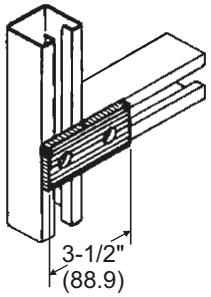
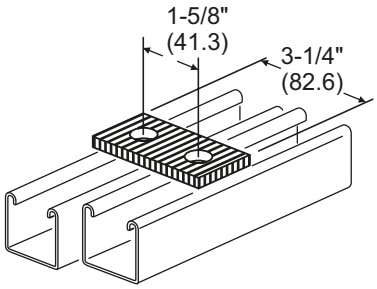
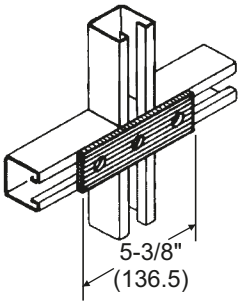
TWO-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1007	38 Lbs (17.3 Kg)



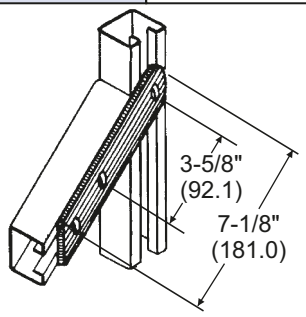
TWO-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1011	35 Lbs (15.9 Kg)



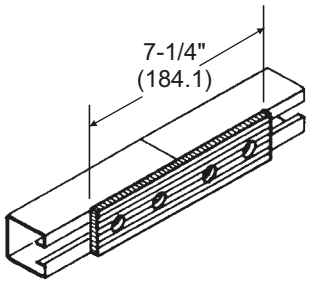
THREE-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1008	59 Lbs (26.8 Kg)



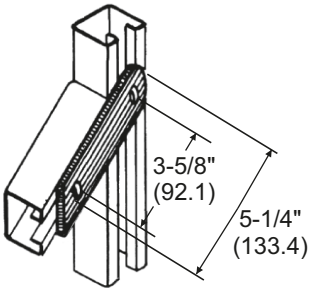
THREE-HOLE SWIVEL PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1012	74 Lbs (33.6 Kg)



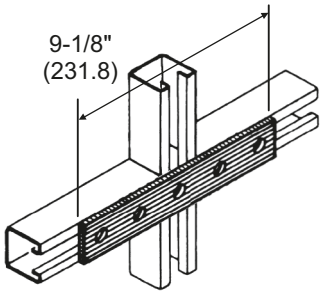
FOUR-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1009	76 Lbs (34.5 Kg)



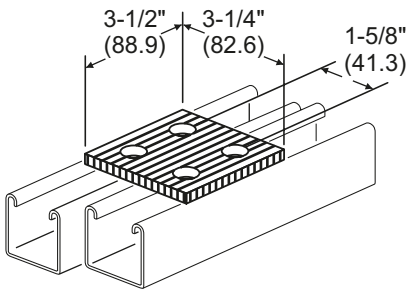
TWO-HOLE SWIVEL PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1013	55 Lbs (25.0 Kg)



FIVE-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1010	94 Lbs (42.75 Kg)



FOUR-HOLE SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1014	73 Lbs (33.1 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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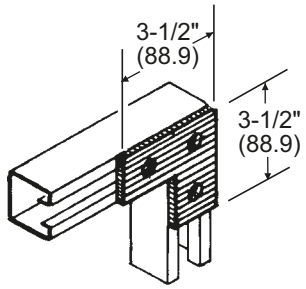
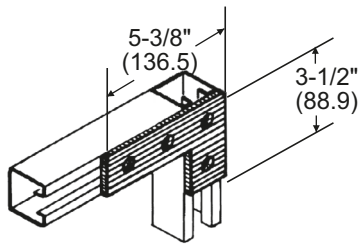
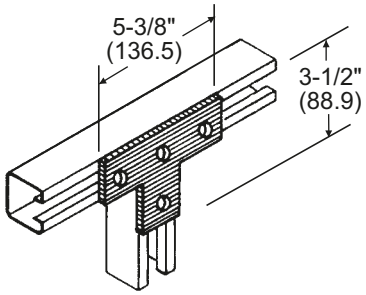
THREE-HOLE FLAT CORNER PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1021	58 Lbs (26.3 Kg)



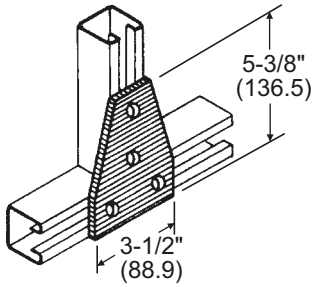
FOUR-HOLE FLAT CORNER PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1025	80 Lbs (36.3 Kg)



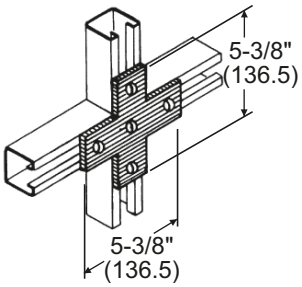
TEE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1022	80 Lbs (36.3 Kg)



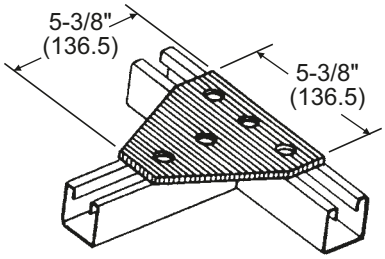
FOUR-HOLE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1026	100 Lbs (45.4 Kg)



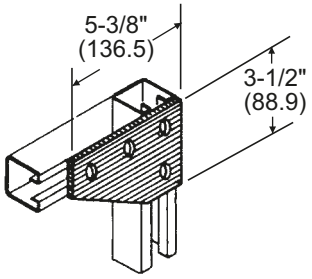
CROSS PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1023	100 Lbs (45.4 Kg)



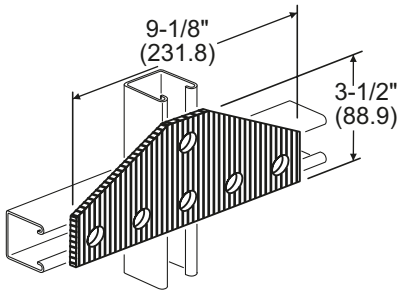
FIVE-HOLE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1027	145 Lbs (65.8 Kg)



FOUR-HOLE CORNER PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1024	105 Lbs (47.7 Kg)



SIX-HOLE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-1028	176 Lbs (79.9 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

PRODUCTS WITH INTEGRITY

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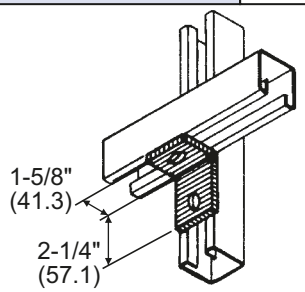
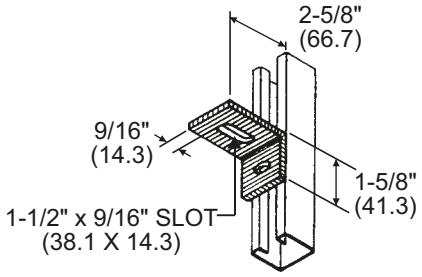
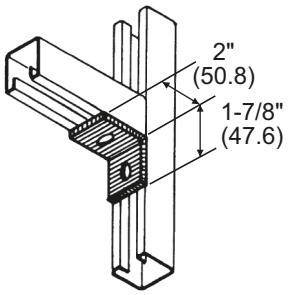
TWO-HOLE RACK CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1102	36 Lbs (16.3 Kg)



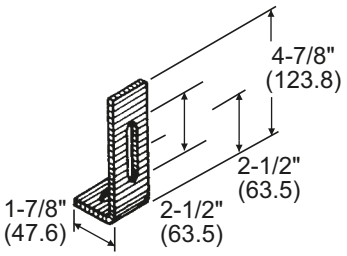
TWO-HOLE ADJUSTMENT ANGLE 1-5/8"	
CATALOG NUMBER	WEIGHT PER 100
N-1106	36 Lbs (16.3 Kg)



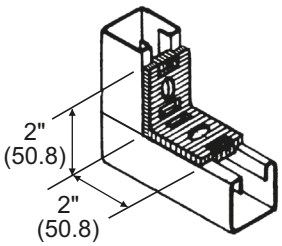
TWO-HOLE END CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1103	36 Lbs (16.3 Kg)



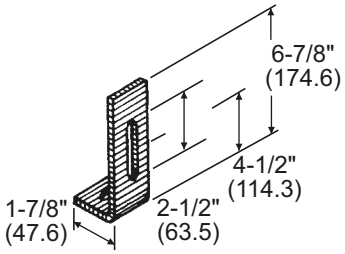
TWO-HOLE ADJUSTMENT ANGLE	
CATALOG. NUMBER	WEIGHT PER 100
N-1107	65 Lbs (29.5 Kg)



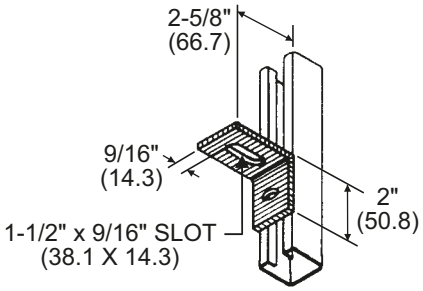
TWO-HOLE "NO-TWIST" CORNER ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1104	40 Lbs (18.2 Kg)



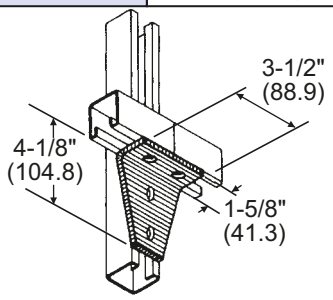
TWO-HOLE ADJUSTMENT ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1108	85 Lbs (38.6 Kg)



TWO-HOLE ADJUSTMENT ANGLE 2"	
CATALOG NUMBER	WEIGHT PER 100
N-1105	40 Lbs (18.2 Kg)



FOUR-HOLE SHELF ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1109	102 Lbs (46.3 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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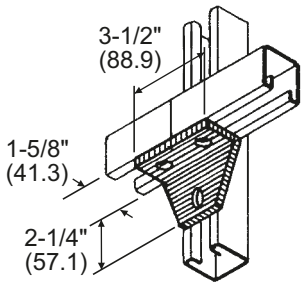
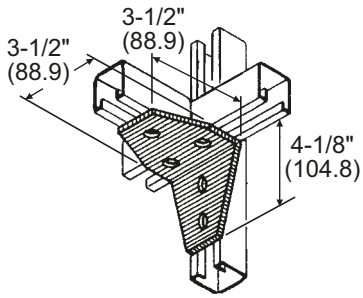
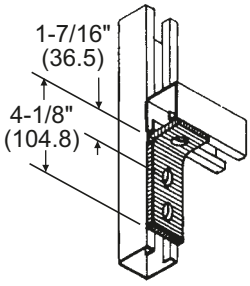
THREE-HOLE SHELF ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1110	67 Lbs (30.4 Kg)



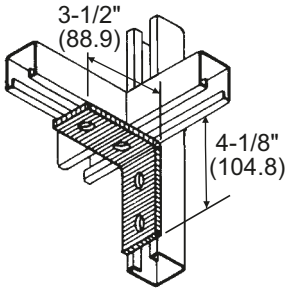
FIVE-HOLE THREE-WAY SHELF ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1117	135 Lbs (61.3 Kg)



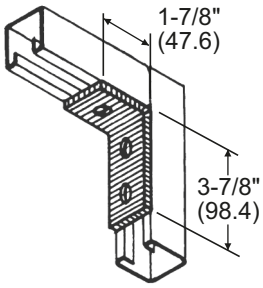
THREE-HOLE RACK CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1112	58 Lbs (26.3 Kg)



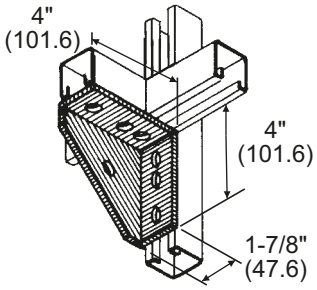
FOUR-HOLE RACK CORNER ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1123	74 Lbs (33.6 Kg)



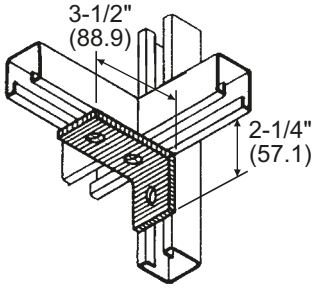
THREE-HOLE END CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1113	58 Lbs (26.3 Kg)



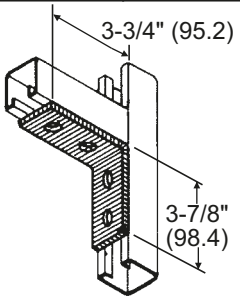
UNIVERSAL SHELF BRACKET	
CATALOG NUMBER	WEIGHT PER 100
N-1124	132 Lbs (59.9 Kg)



THREE-HOLE RACK CORNER ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1115	54 Lbs (24.5 Kg)



FOUR-HOLE CORNER ANGLE	
CATALOG NUMBER	WEIGHT PER 100
N-1125	76 Lbs (34.5 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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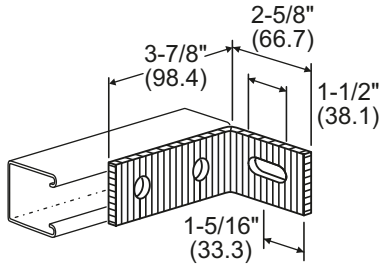
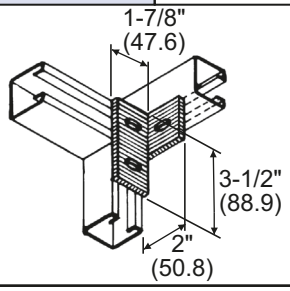
TWO-HOLE SLOTTED ANGLE

CATALOG NUMBER	WEIGHT PER 100
N-1126	66 Lbs (29.9 Kg)



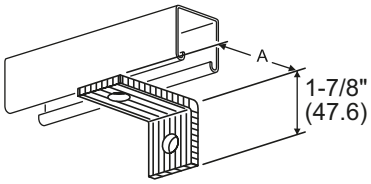
THREE-HOLE BENT ANGLE RIGHT HAND

CATALOG NUMBER	WEIGHT PER 100
N-1135	65 Lbs (29.5 Kg)



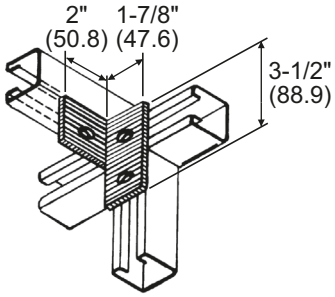
TWO-HOLE ANGLE

CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1127	3	76.2	49	22.2
N-1128	3-1/2	88.9	54	24.5
N-1129	4	101.6	61	27.7



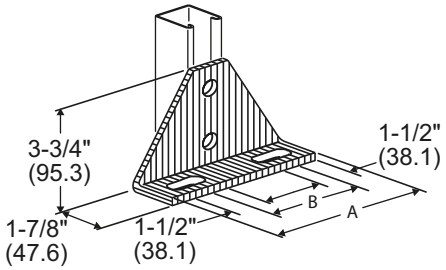
THREE-HOLE BENT ANGLE LEFT HAND

CATALOG NUMBER	WEIGHT PER 100
N-1136	65 Lbs (29.5 Kg)



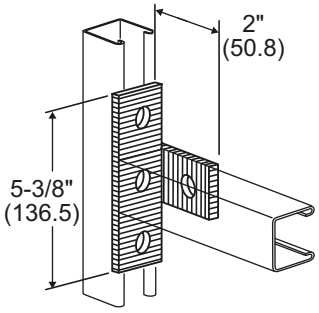
TWO-HOLE TWO-SLOTTED ANGLE

CATALOG NUMBER	A in	A mm	B in	B mm	WT. PER 100 lbs	WT. PER 100 kg
N-1130	6-5/8	168.3	4	101.6	190	86.2
N-1131	8-5/8	219.1	6	152.4	242	109.8



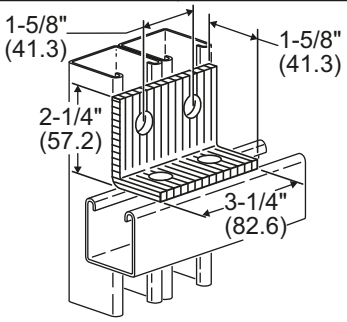
FOUR-HOLE BENT ANGLE

CATALOG NUMBER	WEIGHT PER 100
N-1137	80 Lbs (36.3 Kg)



FOUR-HOLE TWO-WIDE CONNECTOR ANGLE

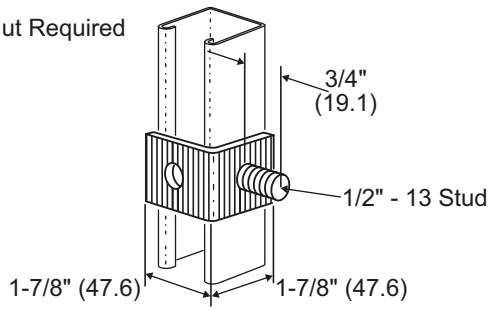
CATALOG NUMBER	WEIGHT PER 100
N-1132	75 Lbs (34.1 Kg)



BENT ANGLE WITH STUD

CATALOG NUMBER	WEIGHT PER 100
N-1141	45 Lbs (20.4 Kg)

N-3463 Nut Required



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

PRODUCTS WITH INTEGRITY

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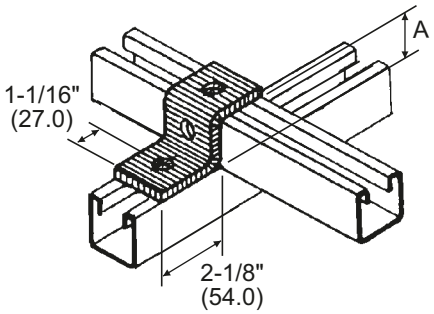
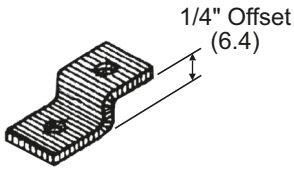
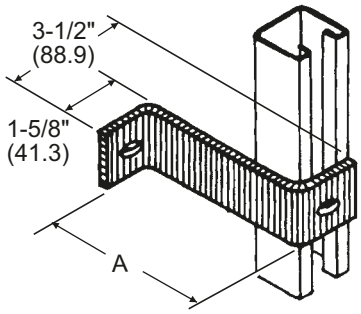
ì zî SUPPORTS					
CATALOG NUMBER	CHANNEL	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1209	N-100A	4-7/8	123.8	93	42.2
N-1210	N-150 N-200A	3-1/4	82.6	70	31.8
N-1211	N-100	2-7/16	61.9	67	30.4
N-1212	N-200	1-5/8	41.3	55	25.0
N-1213	N-300	1-3/8	34.9	53	24.1
N-1215	N-400 N-500	13/16	20.6	47	21.3
N-1218	N-800	1	25.4	47	21.3



ìZî SUPPORTS	
CATALOG NUMBER	WEIGHT PER 100
N-1219	38 Lbs (17.2 Kg)



EXTENDED ìZî SUPPORTS				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1224	4	101.6	77	35.0
N-1225	5	127.0	95	43.1
N-1226	6	152.4	98	44.5
N-1227	7	177.8	105	47.7
N-1228	8	203.2	120	54.5



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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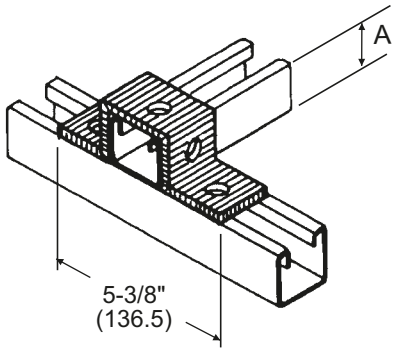
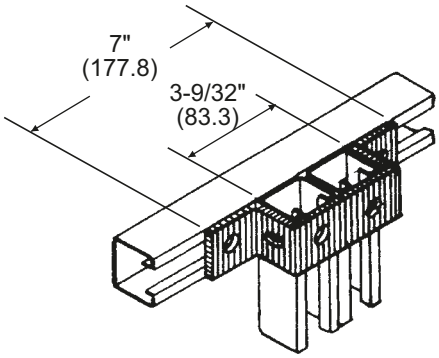
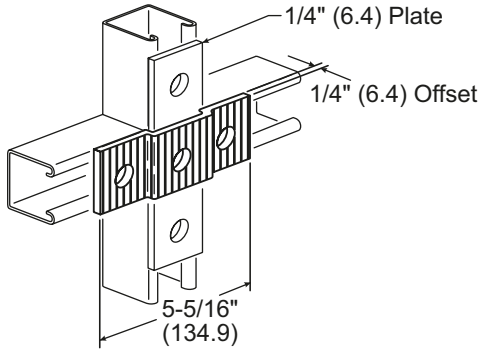
"U" SUPPORTS					
CATALOG NUMBER	CHANNEL	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1311	N-100	2-7/16	61.9	110	49.9
N-1312	N-200	1-5/8	41.3	85	38.6
N-1313	N-300	1-3/8	34.9	84	38.1
N-1315	N-400 N-500	13/16	20.6	71	32.2
N-1316	N-150 N-200A	3-1/4	82.6	128	58.1
N-1318	N-800	1	25.4	76	34.5



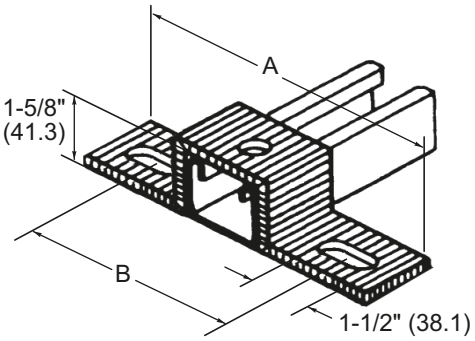
SIX-HOLE "U" SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
N-1317	105 Lbs (47.7 Kg)



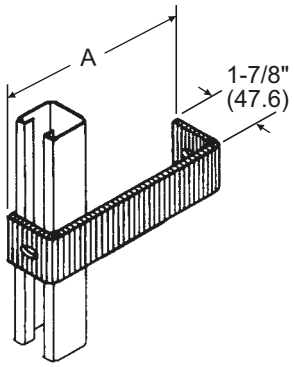
FLAT PLATE "U" SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
N-1319	58 Lbs (26.3 Kg)



SLOTTED "U" SUPPORTS						
CATALOG NUMBER	A in	A mm	B in	B mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1320	7-1/4	184.2	4-1/8	104.8	105	47.7
N-1321	8-1/2	215.9	5-3/8	136.5	120	54.5
N-1322	10-3/8	263.5	7-1/4	184.2	130	59.0



EXTENDED "U" SUPPORTS				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1324	4	101.6	80	36.3
N-1325	5	127.0	89	40.4
N-1326	6	152.4	101	45.8
N-1327	7	177.8	112	50.8
N-1328	8	203.2	124	56.3



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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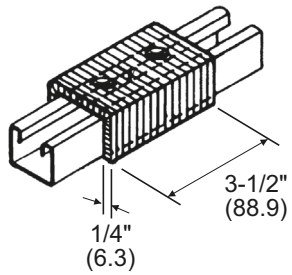
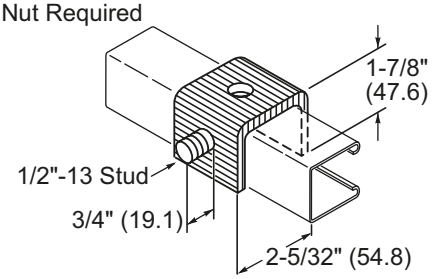
TWO-HOLE SPLICE CLEVIS FOR N-500	
CATALOG NUMBER	WEIGHT PER 100
N-1342	84 Lbs (38.1 Kg)

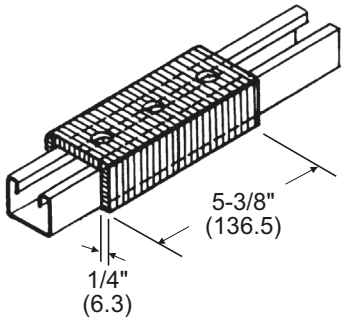


BENT "U" SUPPORT WITH STUD	
CATALOG NUMBER	WEIGHT PER 100
N-1350	63 Lbs (28.6 Kg)

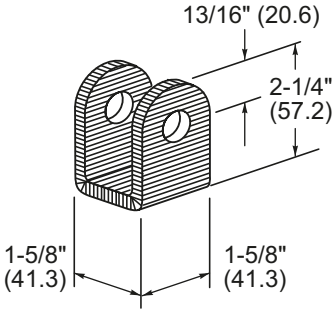
N-3463 Nut Required



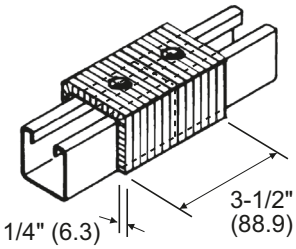
THREE-HOLE SPLICE CLEVIS FOR N-500	
CATALOG NUMBER	WEIGHT PER 100
N-1343	126 Lbs (57.2 Kg)



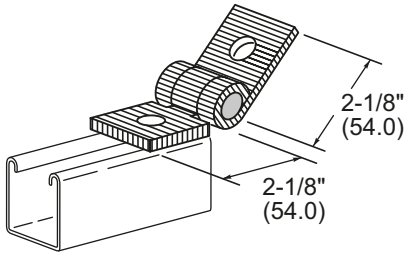
BENT "U" SUPPORT WITH HOLES	
CATALOG NUMBER	WEIGHT PER 100
N-1360	53 Lbs (24.1 Kg)



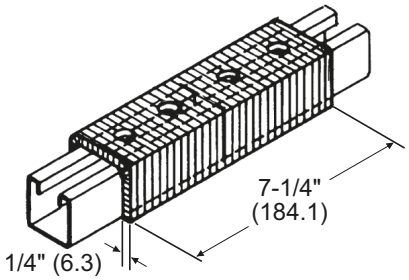
TWO-HOLE SPLICE CLEVIS FOR N-200, N-210	
CATALOG NUMBER	WEIGHT PER 100
N-1344	123 Lbs (55.8 Kg)



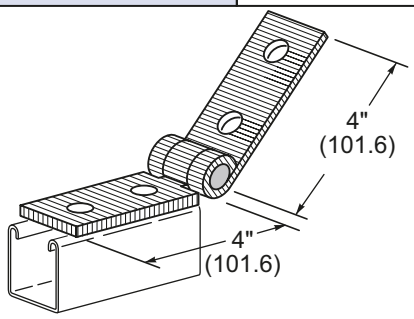
TWO-HOLE HINGE	
CATALOG NUMBER	WEIGHT PER 100
N-1361	68 Lbs (30.9 Kg)



FOUR-HOLE SPLICE CLEVIS FOR N-200, N-210	
CATALOG NUMBER	WEIGHT PER 100
N-1345	266 Lbs (120.8 Kg)



FOUR-HOLE HINGE	
CATALOG NUMBER	WEIGHT PER 100
N-1362	109 Lbs (49.5 Kg)



FITTING DATA: Each fitting $^{1}/_{4}$" thick, $1^{5}/_{8}$" wide • Holes $^{9}/_{16}$" diameter, centered $1^{7}/_{8}$" apart, $^{13}/_{16}$" from edge

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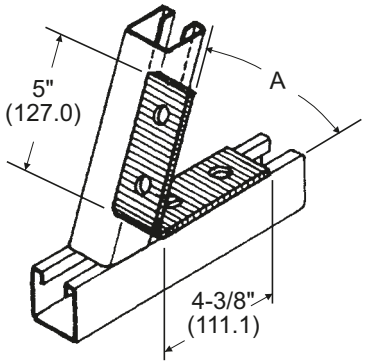
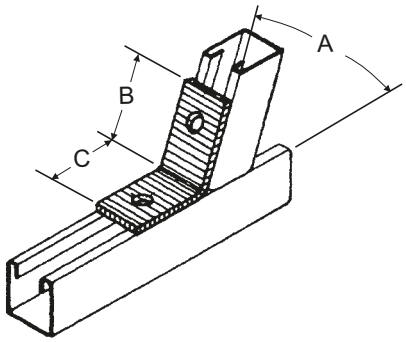
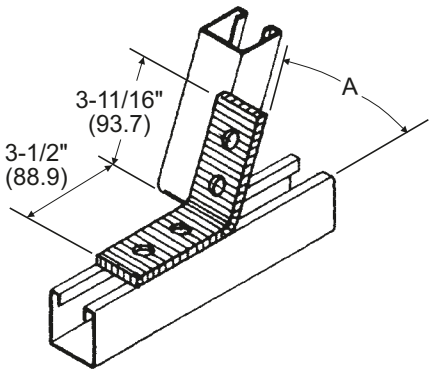
FOUR-HOLE CLOSED ANGLE			
CATALOG NUMBER	A degrees	WEIGHT PER 100 lbs	kg
N-1413	60	101	45.9
N-1415	45	101	45.9



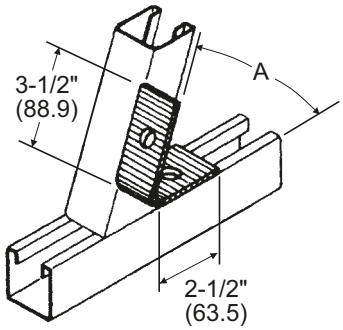
TWO-HOLE OPEN ANGLE							
CATALOG NUMBER	A degrees	B in	B mm	C in	C mm	WEIGHT PER 100 lbs	kg
N-1423	60	3-3/8	85.7	1-7/8	47.6	58	26.3
N-1425	45	3	76.2	2-5/16	58.7	58	26.3
N-1427	30	3-1/4	82.6	2-1/16	52.4	58	26.3



FOUR-HOLE OPEN ANGLE			
CATALOG NUMBER	A degrees	WEIGHT PER 100 lbs	kg
N-1443	60	78	35.4
N-1445	45	78	35.4
N-1447	30	78	35.4



TWO-HOLE CLOSED ANGLE			
CATALOG NUMBER	A degrees	WEIGHT PER 100 lbs	kg
N-1463	60	63	28.6
N-1465	45	63	28.6



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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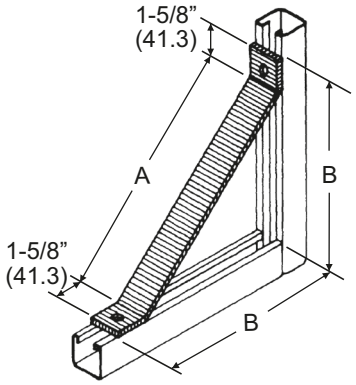
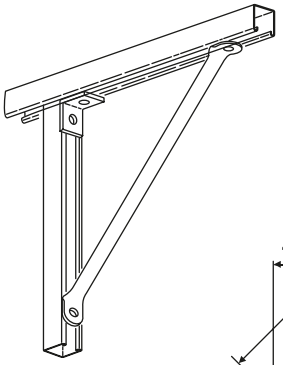
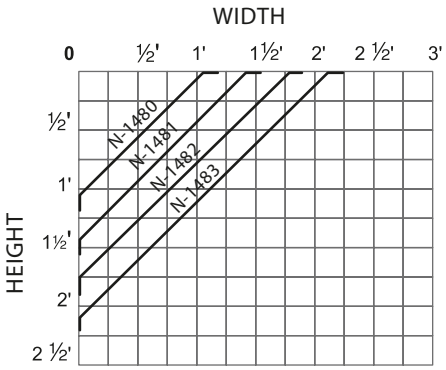
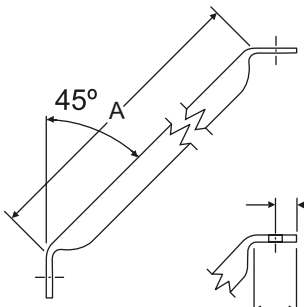
FLAT PLATE KNEE BRACE						
CATALOG NUMBER	A in	A mm	B in	B mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1472	12	304.8	10-1/8	257.5	170	77.2
N-1473	16-5/8	422.3	13-3/8	339.7	230	104.4
N-1474	18	457.2	14-3/8	365.1	238	108.1
N-1475	24	609.6	18-5/8	473.0	306	138.9



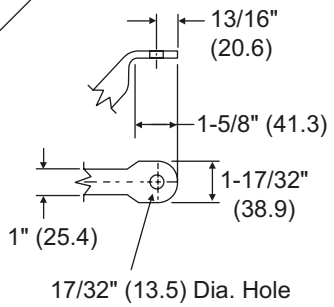
TUBULAR KNEE BRACE				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1480	18	457.2	146	66.3
N-1481	24	609.6	186	84.4
N-1482	30	762.0	227	103.1
N-1483	36	914.4	267	121.2



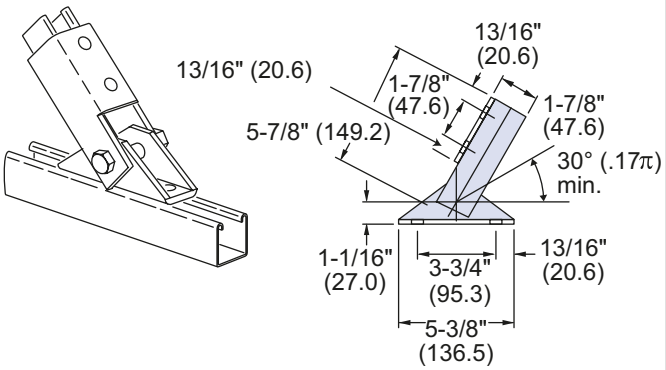




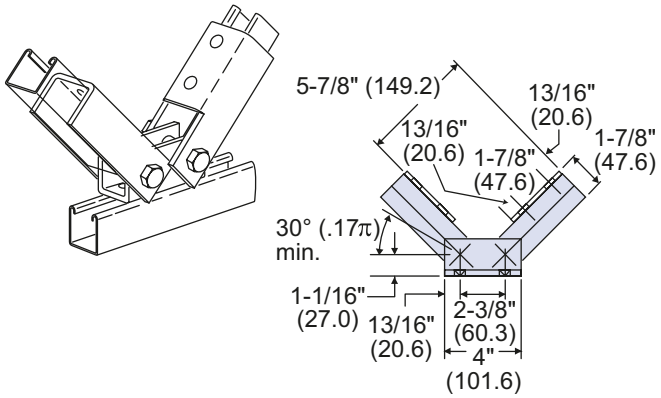
Design Loads
Compression = 1500 Lbs (680.4kg)
Tension = 300 Lbs (136.1kg)



SINGLE ADJUSTABLE BRACE FITTING	
CATALOG NUMBER	WEIGHT PER 100
N-1491	307 Lbs (139.4 Kg)



DOUBLE ADJUSTABLE BRACE FITTING	
CATALOG NUMBER	WEIGHT PER 100
N-1492	497 Lbs (225.4 Kg)



FITTING DATA: Each fitting $^{1}/_{4}$" thick, $1^{5}/_{8}$" wide • Holes $^{9}/_{16}$" diameter, centered $1^{7}/_{8}$" apart, $^{13}/_{16}$" from edge

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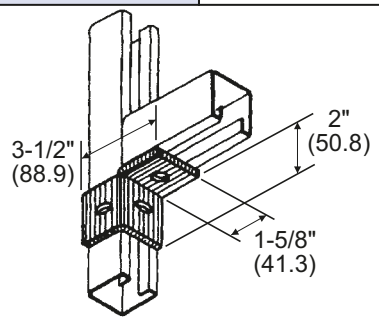
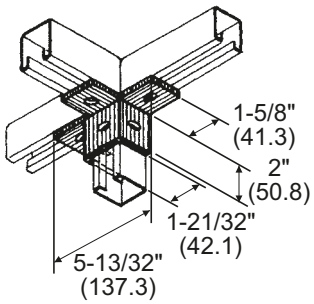
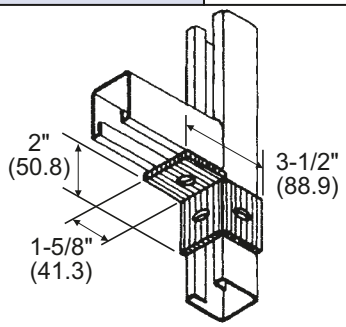
THREE-HOLE RIGHT HAND CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1510	54 Lbs (24.5 Kg)



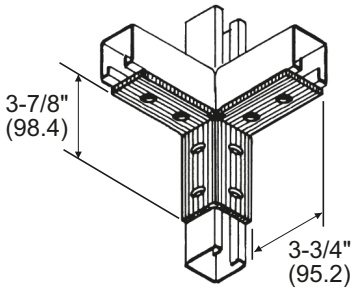
SIX-HOLE TRIPLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1514	110 Lbs (49.9 Kg)



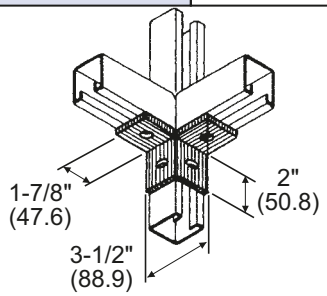
THREE-HOLE LEFT HAND CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1511	54 Lbs (24.5 Kg)



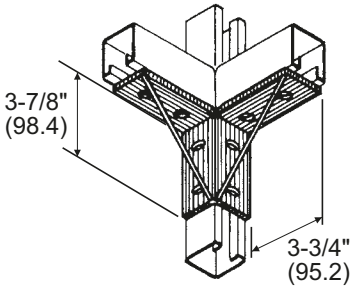
EIGHT-HOLE DOUBLE CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1515	152 Lbs (69.0 Kg)



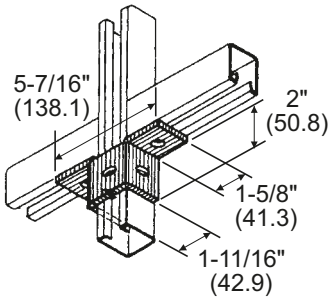
FOUR-HOLE CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1512	71 Lbs (32.2 Kg)



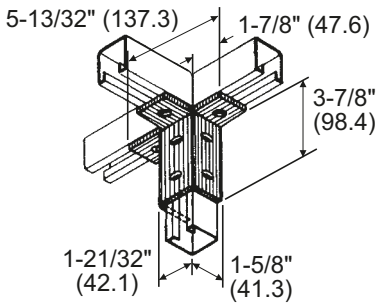
EIGHT-HOLE DOUBLE CORNER GUSSETTED CONN.	
CATALOG NUMBER	WEIGHT PER 100
N-1516	196 Lbs (89.0 Kg)



FIVE-HOLE DOUBLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1513	95 Lbs (43.1 Kg)



NINE-HOLE TRIPLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1517	177 Lbs (80.4 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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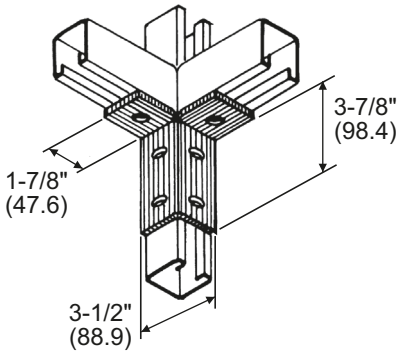
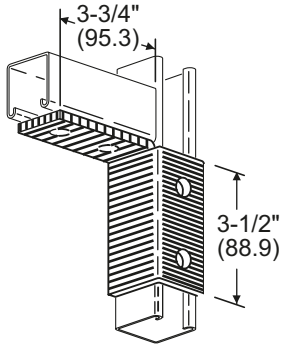
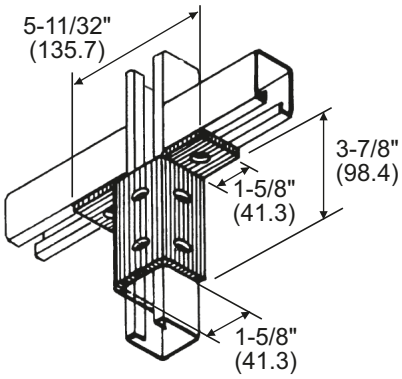
SIX-HOLE DOUBLE CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1518	110 Lbs (49.9 Kg)



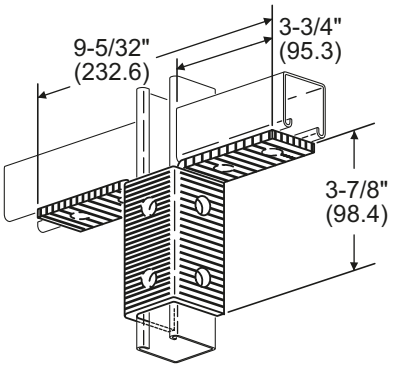
SINGLE WING LEFT HAND CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1521	119 Lbs (54.0 Kg)



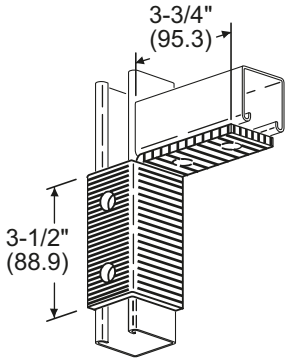
EIGHT-HOLE DOUBLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1519	156 Lbs (70.8 Kg)



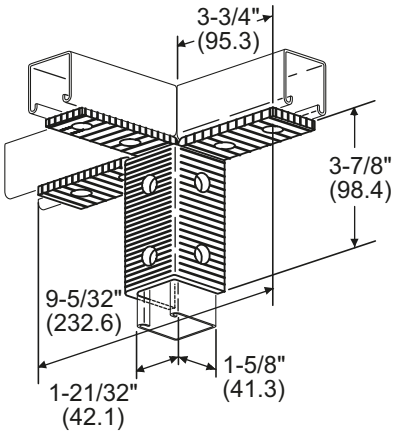
TEN-HOLE DOUBLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1522	193 Lbs (87.6 Kg)



SINGLE WING RIGHT HAND CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1520	119 Lbs (54.0 Kg)



TWELVE-HOLE DOUBLE WING CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
N-1523	230 Lbs (104.4 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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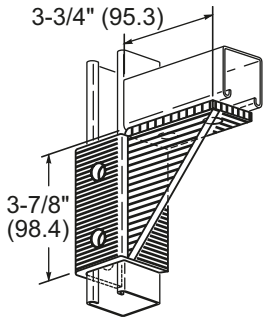
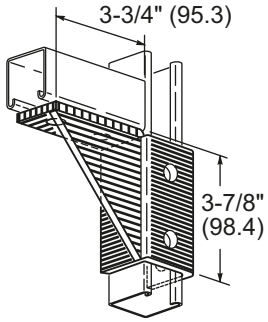
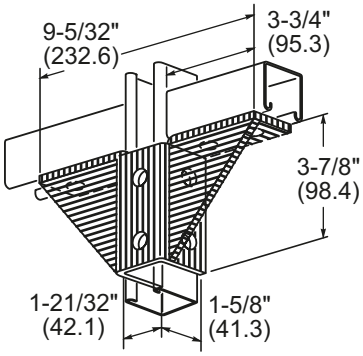
SINGLE WING RIGHT HAND CONNECTOR WITH GUSSET	
CATALOG NUMBER	WEIGHT PER 100
N-1524	176 Lbs (79.9 Kg)



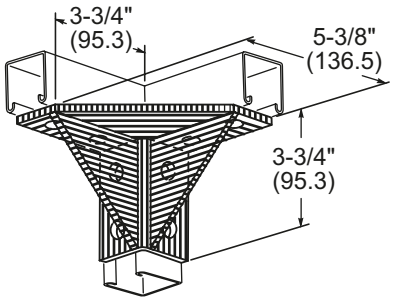
SINGLE WING LEFT HAND CONNECTOR WITH GUSSET	
CATALOG NUMBER	WEIGHT PER 100
N-1525	176 Lbs (79.9 Kg)



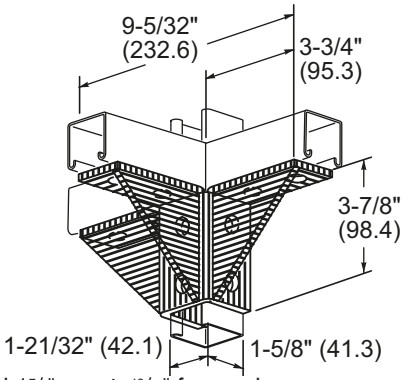
TEN-HOLE DOUBLE WING CONNECTOR WITH GUSSET	
CATALOG NUMBER	WEIGHT PER 100
N-1526	274 Lbs (124.4 Kg)



EIGHT-HOLE DOUBLE CORNERCONNECTOR WITH GUSSET	
CATALOG NUMBER	WEIGHT PER 100
N-1527	315 Lbs (142.9 Kg)



TWELVE-HOLE TRIPLE WING CONNECTOR WITH GUSSET	
CATALOG NUMBER	WEIGHT PER 100
N-1528	310 Lbs (140.7 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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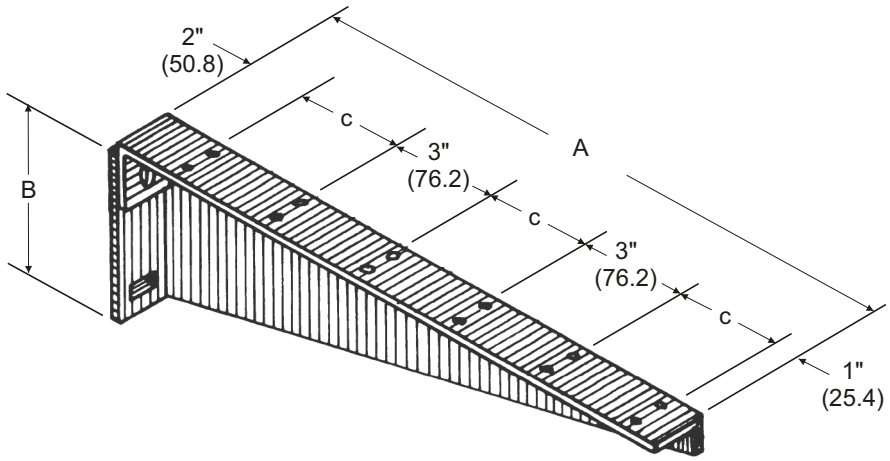


SINGLE HOLE SHOWN ON “B” LEG 7/16" (11.1) DIA.

3/8" x 1" (9.5 x 25.4) SLOTTED HOLE

SHELF BRACKETS									
LEFT HAND	RIGHT HAND	A		B		C		WEIGHT PER 100	
		in	mm	in	mm	in	mm	lbs	kg
N-1601	**N-1602**	6	152.4	1-15/16	49.2	3	76.2	67	30.4
N-1603	**N-1604**	8	203.2	2-7/16	61.9	5	127.0	92	41.8
N-1605	**N-1606**	10	254.0	2-15/16	74.6	7	177.8	120	54.5
N-1607	**N-1608**	12	304.8	3-7/16	87.3	3	76.2	152	69.0
N-1609	**N-1610**	14	355.6	3-15/16	100.0	4	101.6	173	78.5
N-1611	**N-1612**	16	406.4	4-7/16	112.7	5	127.0	223	101.2
N-1613	**N-1614**	18	457.2	4-15/16	125.4	6	152.4	266	120.8
N-1615	**N-1616**	20	508.0	5-7/16	138.1	7	177.8	308	139.8
N-1617	**N-1618**	22	558.8	5-15/16	150.8	8	203.2	355	161.2
N-1619	**N-1620**	24	609.6	6-7/16	163.5	5	127.0	400	181.6
N-1621	**N-1622**	26	660.4	6-15/16	176.2	5-11/16	144.5	445	202.0
N-1623	**N-1624**	28	711.2	7-7/16	188.9	6-5/16	160.3	493	223.8
N-1625	**N-1626**	30	762.0	7-15/16	201.6	7	177.8	545	247.4

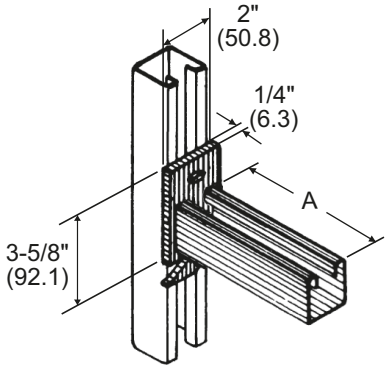
Right Hand Shown 12 GA (2.6 mm) Steel

DESIGN UNIFORM LOAD 250 Lbs (1.12 kN)

KUMAR INDUSTRIES, INC. TEL: (909) 591-0722 FAX: (909) 591-6334

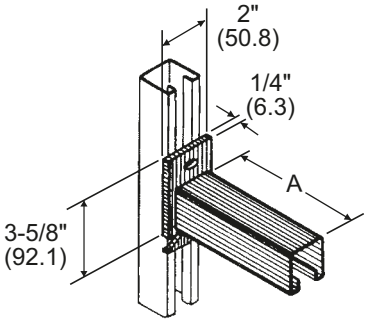
CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		N-200	
	in	mm	lbs	kg	lbs	kN
N-1631	6	152.4	151	68.6	1200	5.38
N-1632	12	304.8	251	114.0	600	2.69
N-1633	18	457.2	351	159.4	400	1.79
N-1634	24	609.6	451	204.8	300	1.34

When installed in the inverted position, use 60% of loads shown.



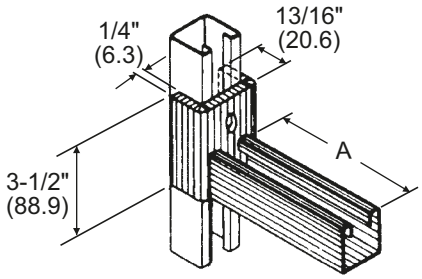
CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		N-200	
	in	mm	lbs	kg	lbs	kN
N-1635	6	152.4	151	68.6	1200	5.38
N-1636	12	304.8	251	114.0	600	2.69
N-1637	18	457.2	351	159.4	400	1.79
N-1638	24	609.6	451	204.8	300	1.34

When installed in the inverted position, use 60% of loads shown.



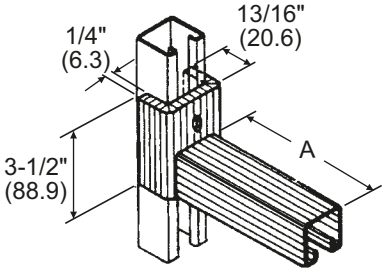
CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		N-200	
	in	mm	lbs	kg	lbs	kN
N-1641	6	152.4	191	86.7	1600	7.17
N-1642	12	304.8	292	132.6	800	3.58

When installed in the inverted position, use 60% of loads shown.



CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		N-200	
	in	mm	lbs	kg	lbs	kN
N-1645	6	152.4	191	86.6	1600	7.17
N-1646	12	304.8	292	132.6	800	3.58

When installed in the inverted position, use 60% of loads shown.



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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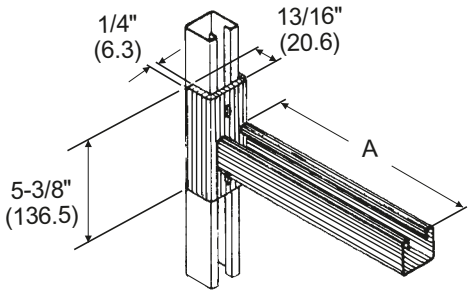
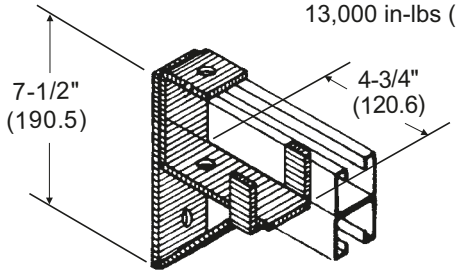
CHANNEL BRACKETS						
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	N-200 lbs	N-200 kN
N-1647	18	457.2	436	197.9	600	2.60
N-1648	24	609.6	536	243.3	450	2.01



BRACKET FOR N-200A	
CATALOG NUMBER	WEIGHT PER 100
N-1650	272 Lbs (123.5 Kg)

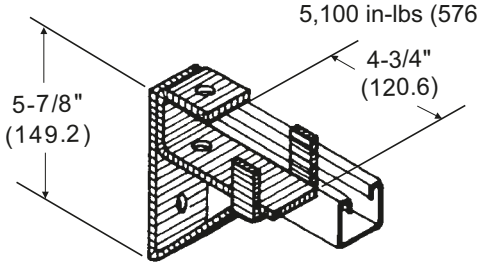
Loading* Design Moment
For 12 GA Steel
13,000 in-lbs (1469 Nm)



* Applies to fitting only, not to strength of strut arm.

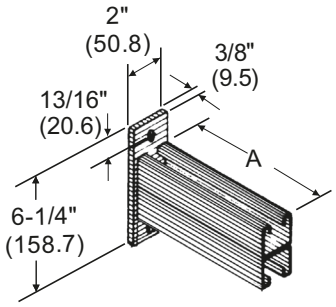
BRACKET FOR N-200	
CATALOG NUMBER	WEIGHT PER 100
N-1651	229 Lbs (104.0 Kg)

Loading* Design Moment
For 12 GA Steel
5,100 in-lbs (576 Nm)



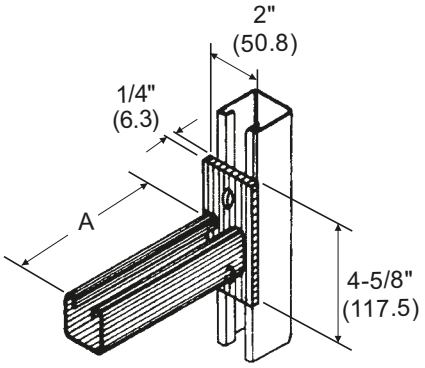
* Applies to fitting only, not to strength of strut arm.

CHANNEL BRACKETS						
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	N-200 lbs	N-200 kN
N-1652	12	304.8	514	233.4	2000	8.96
N-1653	18	457.2	714	324.0	1300	5.82
N-1654	24	609.6	914	415.0	1000	4.48
N-1655	30	762.0	1114	505.8	800	3.58
N-1656	36	914.4	1314	596.6	650	2.91



CHANNEL BRACKETS						
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	N-200 lbs	N-200 kN
N-1661	6	152.4	153	69.4	1600	7.17
N-1662	12	304.8	248	112.6	800	3.58
N-1663	18	457.2	342	155.3	550	2.46
N-1664	24	609.6	437	198.4	400	1.79

Safety factor 2-1/2



FITTING DATA: Each fitting $^{1}/_{4}$" thick, $1^{5}/_{8}$" wide • Holes $^{9}/_{16}$" diameter, centered $1^{7}/_{8}$" apart, $^{13}/_{16}$" from edge

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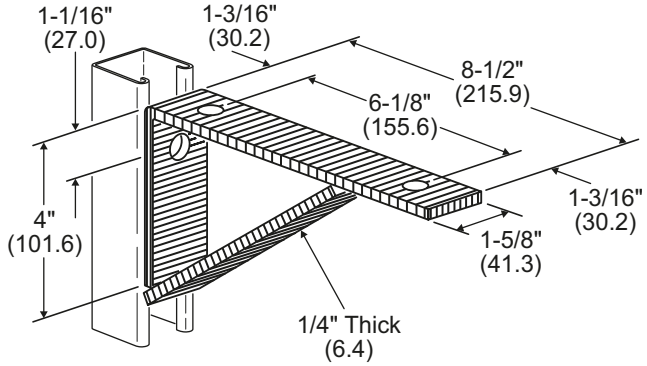
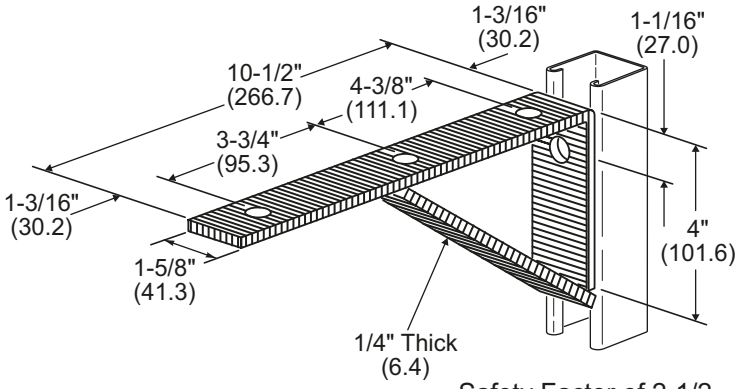
SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1669	N-200	12	800	3.58	174	78.9



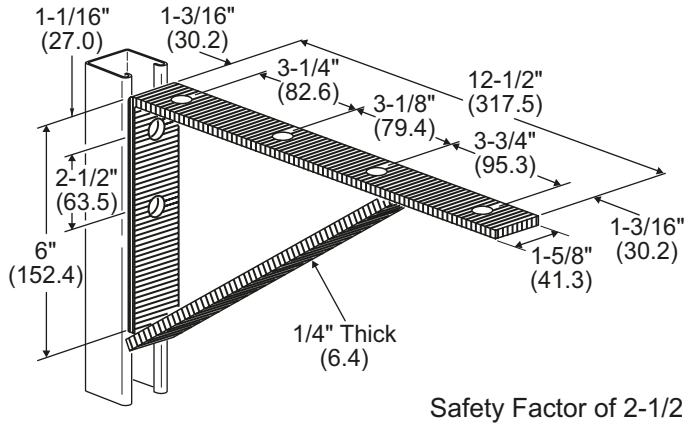
Safety Factor of 2-1/2

SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1671	N-200	12	800	3.58	206	93.4



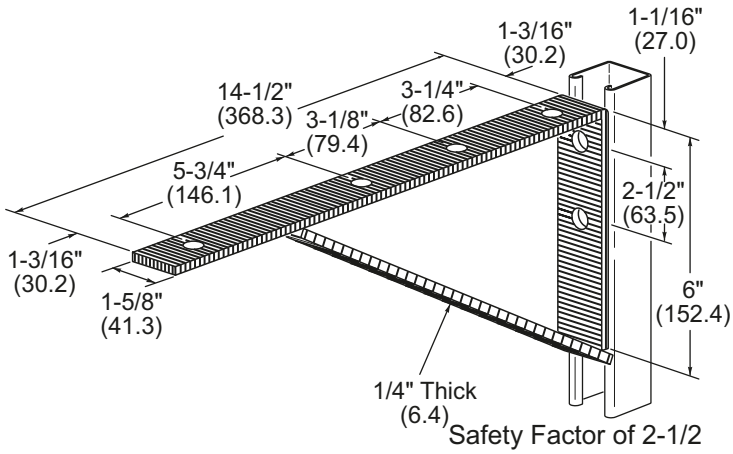
Safety Factor of 2-1/2

SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1673	N-200	12	900	4.03	264	119.7



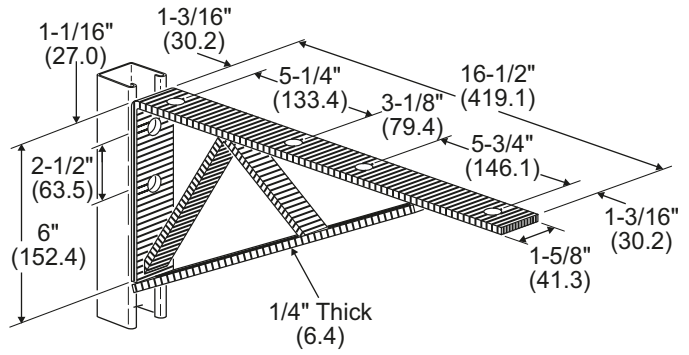
Safety Factor of 2-1/2

SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1675	N-200	12	900	4.03	295	133.8



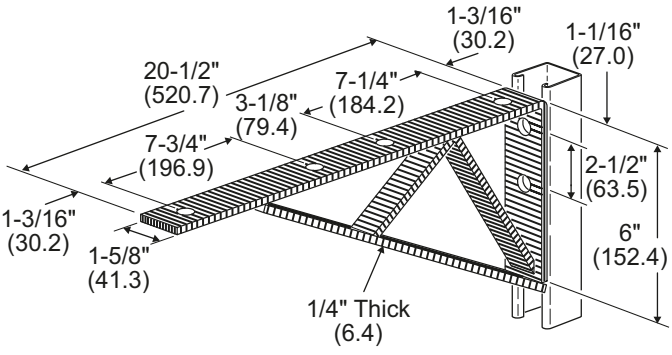
Safety Factor of 2-1/2

SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1677	N-200	12	1200	5.87	385	174.6



Safety Factor of 2-1/2

SHELF BRACKETS						
CATALOG NUMBER	VERTICAL CHANNEL PART #	GAUGE	UNIF. LOAD Lbs	kN	WT PER 100 Lbs	Kg
N-1681	N-200	12	600	2.69	459	208.2



Safety Factor of 2-1/2

FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered as shown, 13/16" from edge

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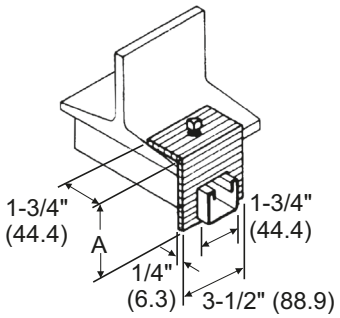
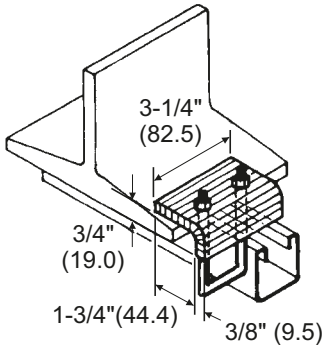
BEAM CLAMPS								
CATALOG NUMBER	A in	A mm	CHANNEL HT. in	CHANNEL HT. mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	REC. LOAD lbs	REC. LOAD kN
N-1702	3-1/2	88.9	1-5/8	41.3	108	49.0	480	2.15
N-1703	3-1/4	82.5	1-3/8	34.9	100	45.4	480	2.15
N-1705	2-11/16	68.3	13/16	20.6	98	44.4	480	2.15

Recommended Load 480 Lbs. (2.15 kN) when used in pairs.
1/2" x 1-1/2" (12.7 x 38.1) Set screw included.



ì U" BOLT BEAM CLAMPS					
CATALOG NUMBER	CHANNEL	LENGTH OF ìU" BOLT in	LENGTH OF ìU" BOLT mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-1708	N-200A	5	127.0	91	41.3
N-1709	N-200	3-3/8	85.7	82	37.2

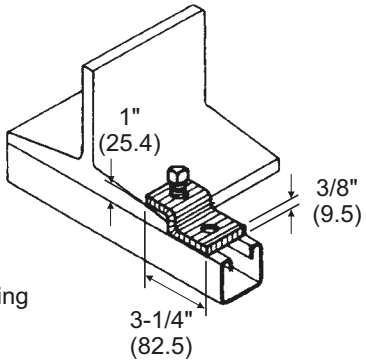
Recommended Load 1,000 Lbs. (4.48 kN) when used in pairs.
3/8" Dia. (9.5 mm) U-Bolt with nuts included.



OFFSET BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1712	72 Lbs (32.7 Kg)

Recommended Load 600 Lbs (2.69 kN) when used in pairs.

1/2"-13 x 1-1/2"
(12.7 x 38.1)
Set Screw Included

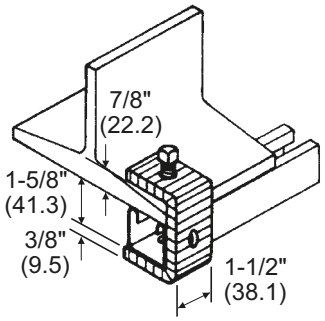


Clamp requires: N-3409
Cap Screw & N-2-8 Clamping
Nut (Order Separately)

TWO-HOLE BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1714	106 Lbs (48.0 Kg)

Recommended Load 1000 Lbs (4.48 kN) when used in pairs.

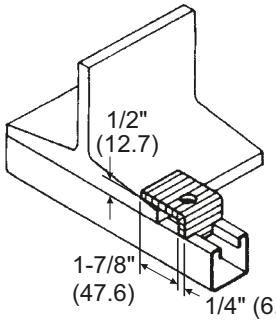
1/2"-13 x 1-1/2"
(12.7 x 38.1)
Set Screw Included



Clamp requires: N-3409
Cap Screw & N-2-8 Clamping
Nut (Order Separately)

ONE-HOLE BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1713	30 Lbs (13.6 Kg)

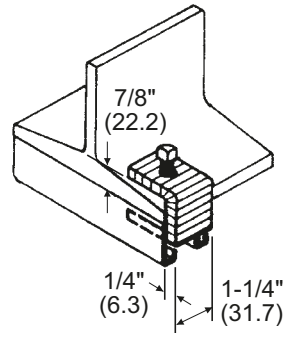
Recommended Load 600 Lbs (2.69 kN) when used in pairs.



Clamp requires: N-3411
Cap Screw & N-2-8 Clamping
Nut (Order Separately)

LIGHT DUTY BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1715	41 Lbs (18.6 Kg)

Recommended Load 450 Lbs (2.02 kN) when used in pairs.



3/8"-16 x 1-1/2"
(9.5 x 38.1)
Set Screw Included

FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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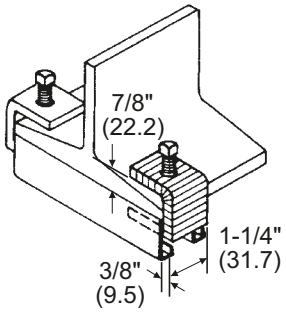
HEAVY DUTY BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1716	60 Lbs (27.2 Kg)

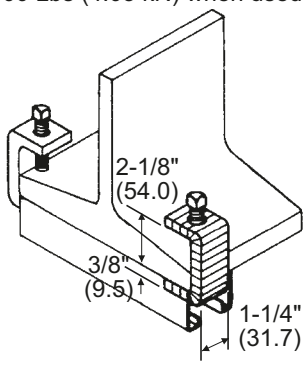
Recommended Load 1000 Lbs (4.48 kN) when used in pairs.



1/2"-13 x 1-1/2"
(12.7 x 38.1)
Set Screw Included

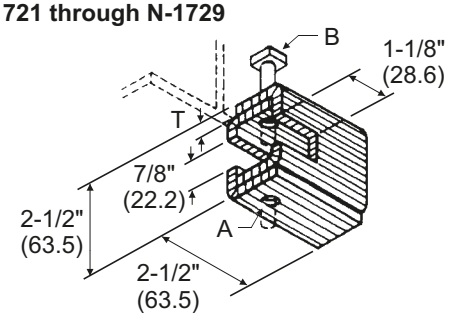
THICK FLANGE BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1717	80 Lbs (36.3 Kg)

Recommended Load 900 Lbs (4.03 kN) when used in pairs.

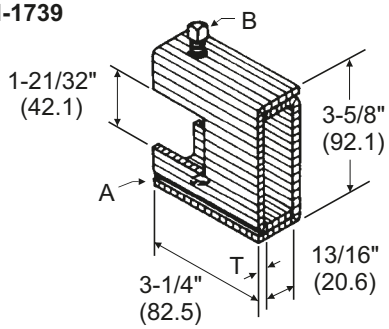


1/2"-13 x 1-1/2"
(12.7 x 38.1)
Set Screw Included

N-1721 through N-1729



N-1731 through N-1739



BEAM CLAMPS										
CATALOG NUMBER	A		T		B		WEIGHT PER 100		LOAD CAPACITY	
	in	mm	in	mm	in	mm	lbs	kg	lbs	kN
N-1721	1/4"-20	6.3	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	67	30.4	650	2.91
N-1722	5/16"-18	7.9	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	67	30.4	650	2.91
N-1723	3/8"-16	9.5	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	67	30.4	650	2.91
N-1724	3/8"-16	9.5	3/16	4.8	1/2 x 1-1/2	12.7 x 38.1	100	45.4	1100	4.93
N-1725	1/2"-13	12.7	3/16	4.8	1/2 x 1-1/2	12.7 x 38.1	100	45.4	1100	4.93
N-1726	1/2"-13	12.7	1/4	6.3	1/2 x 1-1/2	12.7 x 38.1	130	59.0	1600	7.17
N-17237	5/8"-11	15.9	1/4	6.3	1/2 x 1-1/2	12.7 x 38.1	130	59.0	1600	7.17
N-1728	5/8"-11	15.9	5/16	7.9	5/8 x 1-1/2	15.9 x 38.1	160	72.6	2400	10.75
N-1729	3/4"-10	19.0	5/16	7.9	5/8 x 1-1/2	15.9 x 38.1	160	72.6	2400	10.75

BEAM CLAMPS										
CATALOG NUMBER	A		T		B		WEIGHT PER 100		LOAD CAPACITY	
	in	mm	in	mm	in	mm	lbs	kg	lbs	kN
N-1731	1/4"-20	6.3	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
N-1732	5/16"-18	7.9	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
N-1733	3/8"-16	9.5	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
N-1734	3/8"-16	9.5	3/16	4.8	1/2 x 2	12.7 x 50.8	160	72.6	1300	5.82
N-1735	1/2"-13	12.7	3/16	4.8	1/2 x 2	12.7 x 50.8	160	72.6	1300	5.82
N-1736	1/2"-13	12.7	1/4	6.3	1/2 x 2	12.7 x 50.8	200	90.7	1900	8.51
N-1737	5/8"-11	15.9	1/4	6.3	1/2 x 2	12.7 x 50.8	200	90.7	1900	8.51
N-1738	5/8"-11	15.9	5/16	7.9	5/8 x 2	15.9 x 50.8	250	113.5	2800	12.54
N-1739	3/4"-10	19.0	5/16	7.9	5/8 x 2	15.9 x 50.8	250	113.5	2800	12.54

FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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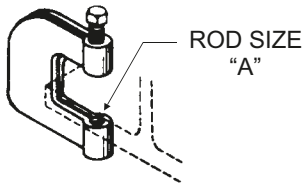
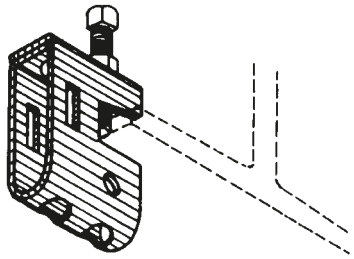
STEEL C-CLAMP				
CATALOG NUMBER	ROD SIZE "A" in	mm	WEIGHT PER 100 lbs	kg
N-1741	3/8	9.5	50	22.7
N-1742	1/2	12.7	55	25.0
N-1743	5/8	15.9	64	29.1

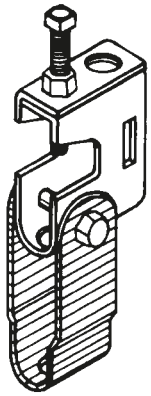


BEAM CLAMP	
CATALOG NUMBER	WEIGHT PER 100
N-1750	33 Lbs (15.0 Kg)

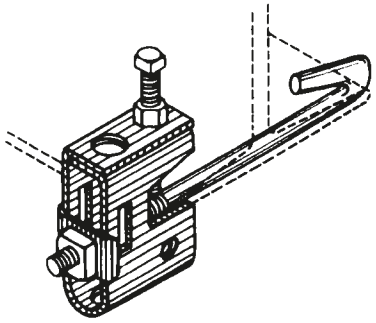


3/8" (9.5) Set Screw Included

SWIVEL HANGER	
CATALOG NUMBER	WEIGHT PER 100
N-1751	17 Lbs (7.7 Kg)

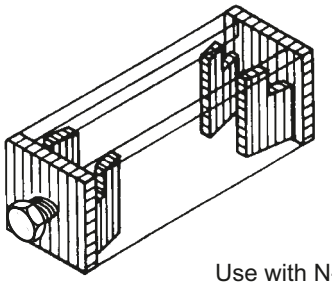


ì J" BOLTS				
CATALOG NUMBER	SIZE in	mm	WEIGHT PER 100 lbs	kg
N-1755	6	152.4	13	5.9
N-1756	10	254.0	15	6.8



COLUMN SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
N-1760	54 Lbs (24.5 Kg)

Recommended Load 785 Lbs (3.52 kN) when used in pairs.



Use with N-200 channel

FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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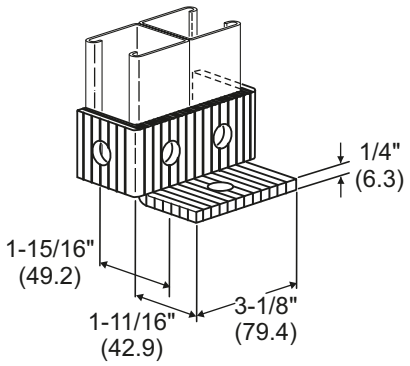
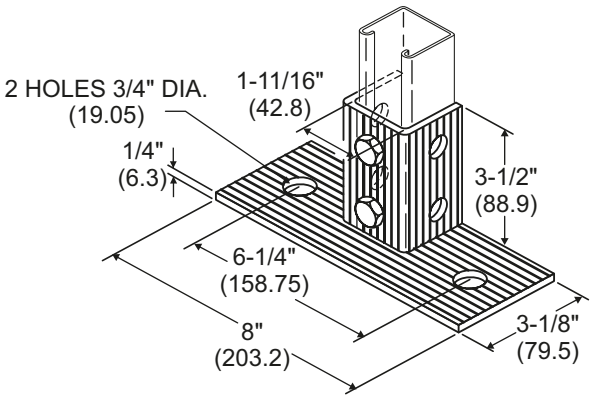
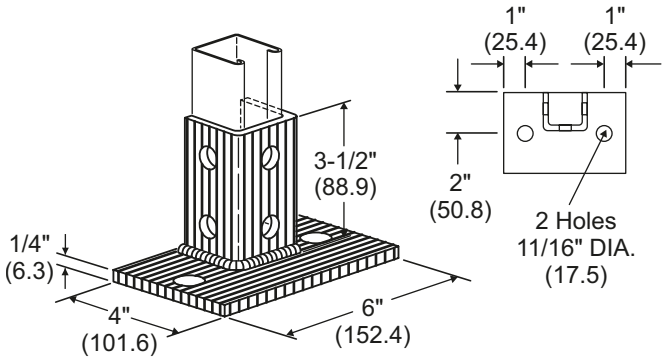
FIVE-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1804	116 Lbs (52.7 Kg)



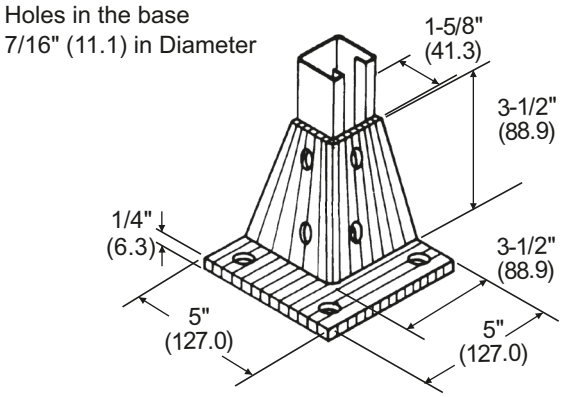
EIGHT-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1807	365 Lbs (165.5 Kg)



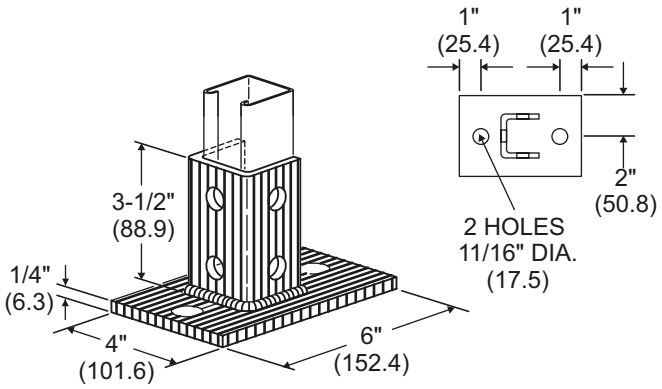
EIGHT-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1805	358 Lbs (162.5 Kg)



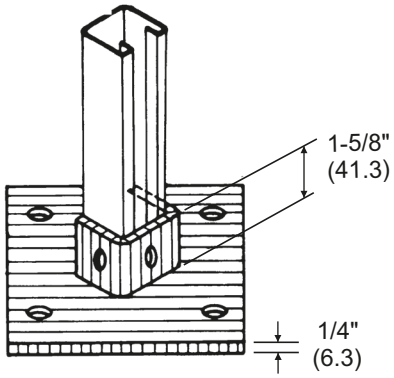
EIGHT-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1811	288 Lbs (130.6 Kg)



EIGHT-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1806	358 Lbs (162.5 Kg)



SEVEN-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1813	314 Lbs (142.6 Kg)



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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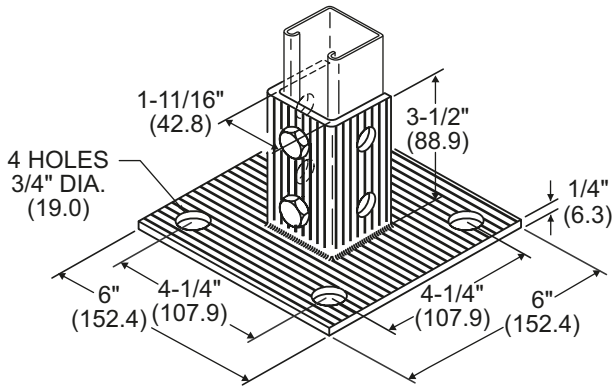
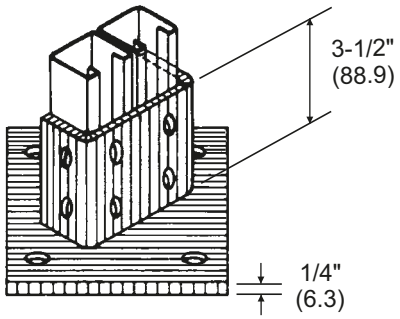
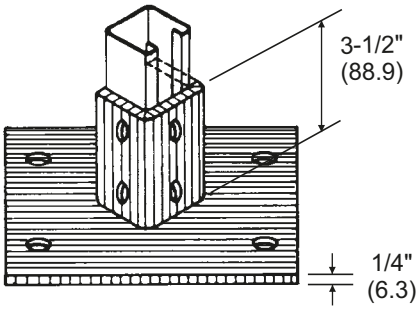
TEN-HOLE POST BASE (SQUARE)	
CATALOG NUMBER	WEIGHT PER 100
N-1814 SQ	392 Lbs (178.0 Kg)



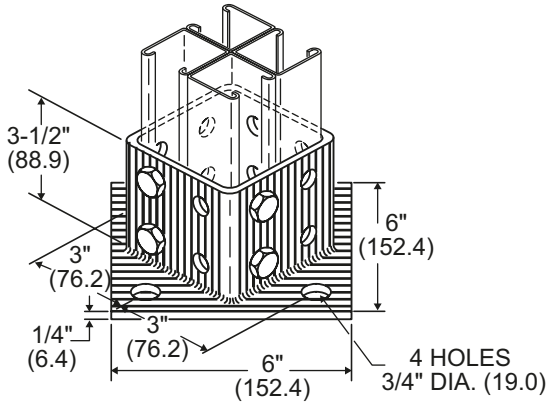
TWELVE-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1816	400 Lbs (181.6 Kg)



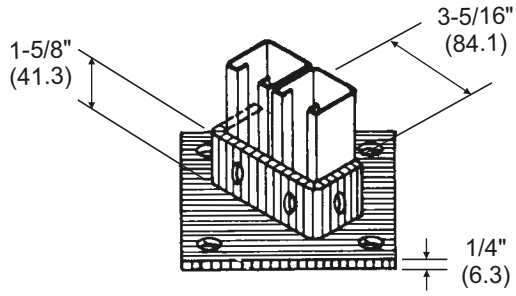
TEN-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1814	392 Lbs (178.0 Kg)



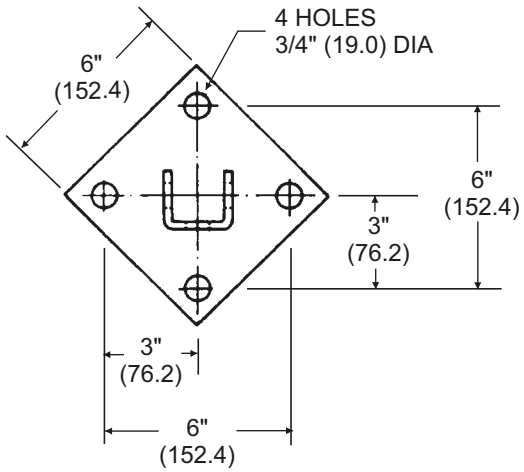
TWENTY-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1818	550 Lbs (249.5 Kg)



EIGHT-HOLE POST BASE	
CATALOG NUMBER	WEIGHT PER 100
N-1815	330 Lbs (149.8 Kg)



BASE PLATE



FITTING DATA: Each fitting 1/4" thick, 1 5/8" wide • Holes 9/16" diameter, centered 1 7/8" apart, 13/16" from edge

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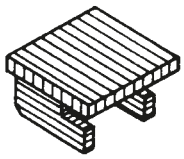
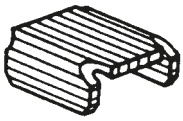
END CAP FOR N-200 CHANNEL	
CATALOG NUMBER	WEIGHT PER 100
N-1920	13 Lbs (5.9 Kg)

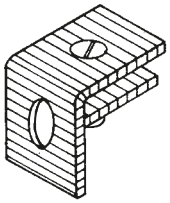


ECONOMY END CAPS			
CATALOG NUMBER	CHANNEL	WEIGHT PER 100 lbs	kg
N-1930	N-200	6	2.7
N-1931	N-210	6	2.7
N-1933	N-300	5	2.3
N-1935	N-500	5	2.3
N-1938	N-800	5	2.3



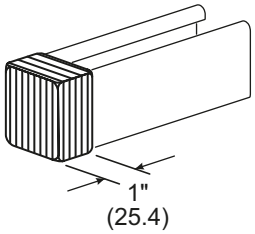
END CAPS WITH KNOCK-OUTS					
CATALOG NUMBER	CONDUIT SIZE in	mm	CHANNEL	WEIGHT PER 100 lbs	kg
N-1940	1/2	12.7	N-200	26	11.8
N-1941	3/4	19.0	N-200	26	11.8
N-1942	1/2	12.7	N-300	25	11.4
N-1943	3/4	19.0	N-300	25	11.4

Flat head machine screw and clamp nut included.



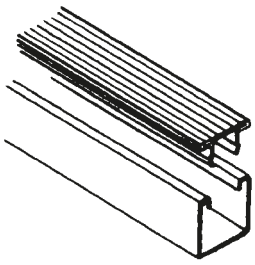
PLASTIC END CAP FOR N-200 CHANNEL	
CATALOG NUMBER	WEIGHT PER 100
N-1950	3.4 Lbs (1.5 Kg)

Standard finish: White



SNAP CLOSURE STRIP FOR ALL 1-5/8" WIDE CHANNELS	
CATALOG NUMBER	WEIGHT PER 100 FT.
N-2500 PL	48 Lbs (21.8 Kg)
N-2500 P/G	48 Lbs (21.8 Kg)
N-2500 GR	48 Lbs (21.8 Kg)
N-2500 WP	7 Lbs (3.18 Kg)
N-2500 BP	7 Lbs (3.18 Kg)

Material: 18 GA (1.2 mm) For PL, PG & Green
Standard Finish: PL = Plain, P/G = Pregalvanized, GR = Green,
WP = White Plastic, BP = Black Plastic



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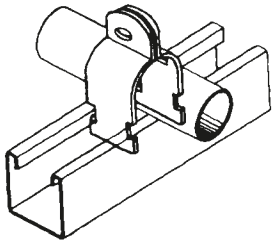
THINWALL CONDUIT (EMT) CLAMPS

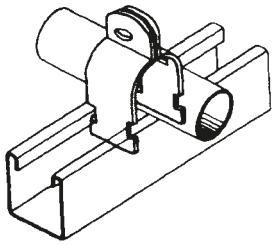
CATALOG NUMBER	NOMINAL SIZE in	mm	WEIGHT PER 100 lbs	kg	GAGE	SLOTTED HEX CAP SCREW in	mm
N-2025	3/8	9.5	9	4.1	16	1/4 x 3/4	6.3 x 19.0
N-2026	1/2	12.7	11	5.0	16	1/4 x 3/4	6.3 x 19.0
N-2028	3/4	19.0	12	5.4	16	1/4 x 3/4	6.3 x 19.0
N-2030	1	25.4	15	6.8	14	1/4 x 3/4	6.3 x 19.0
N-2032	1-1/4	31.7	18	8.2	14	1/4 x 3/4	6.3 x 19.0
N-2034	1-1/2	38.1	29	13.2	12	5/16 x 1	7.9 x 25.4
N-2038	2	50.8	33	15.0	12	5/16 x 1	7.9 x 25.4



Includes Slotted Indented Hex Head Cap Screw and Kep Nut.

UNIVERSAL CLAMP SERIES

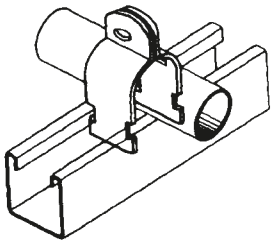
CATALOG NUMBER	NOMINAL SIZE in	mm	WEIGHT PER 100 lbs	kg	GAGE	SLOTTED HEX CAP SCREW in	mm
N-2055	3/8	9.5	9	4.1	16	5/16 x 1-1/4	7.9 x 31.7
N-2056	1/2	12.7	11	5.0	16	5/16 x 1-1/4	7.9 x 31.7
N-2058	3/4	19.0	12	5.4	16	5/16 x 1-1/4	7.9 x 31.7
N-2060	1	25.4	15	6.8	14	5/16 x 1-1/4	7.9 x 31.7
N-2062	1-1/4	31.7	18	8.2	14	5/16 x 1-1/4	7.9 x 31.7
N-2064	1-1/2	38.1	29	13.1	14	5/16 x 1-1/4	7.9 x 31.7
N-2068	2	50.8	33	15.0	14	5/16 x 1-1/4	7.9 x 31.7



Includes Slotted Indented Hex Head Cap Screw and Kep Nut.

RIGID CONDUIT OR PIPE CLAMPS

CATALOG NUMBER	NOMINAL SIZE in	mm	WEIGHT PER 100 lbs	kg	GAGE	SLOTTED HEX CAP SCREW in	mm
N-2125	3/8	9.5	10	4.5	16	1/4 x 3/4	6.3 x 19.0
N-2126	1/2	12.7	11	5.0	16	1/4 x 3/4	6.3 x 19.0
N-2128	3/4	19.0	15	6.8	14	1/4 x 3/4	6.3 x 19.0
N-2130	1	25.4	17	7.7	14	1/4 x 3/4	6.3 x 19.0
N-2132	1-1/4	31.7	19	8.6	14	1/4 x 3/4	6.3 x 19.0
N-2134	1-1/2	38.1	29	13.2	12	5/16 x 1	7.9 x 25.4
N-2138	2	50.8	34	15.4	12	5/16 x 1	7.9 x 25.4
N-2142	2-1/2	63.5	40	18.2	12	5/16 x 1	7.9 x 25.4
N-2146	3	76.2	47	21.3	12	5/16 x 1	7.9 x 25.4
N-2150	3-1/2	88.9	62	28.1	11	3/8 x 1	9.5 x 25.4
N-2154	4	101.6	67	30.4	11	3/8 x 1-1/4	9.5 x 31.7
N-2162	5	127.0	80	36.3	11	3/8 x 1-1/4	9.5 x 31.7
N-2170	6	152.4	102	46.3	10	3/8 x 1-1/4	9.5 x 31.7
N-2174	8	203.2	116	52.7	10	3/8 x 1-1/4	9.5 x 31.7



Includes Slotted Indented Hex Head Cap Screw and Kep Nut.

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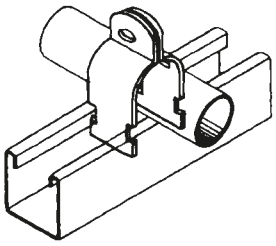
O.D. TUBING CLAMPS

CATALOG NUMBER	NOMINAL SIZE in	NOMINAL SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	GAGE	SLOTTED HEX CAP SCREW in	SLOTTED HEX CAP SCREW mm
N-2224	1/4	6.3	8	3.6	16	1/4 x 3/4	6.3 x 19.0
N-2225	3/8	9.5	8	3.6	16	1/4 x 3/4	6.3 x 19.0
N-2226	1/2	12.7	9	4.1	16	1/4 x 3/4	6.3 x 19.0
N-2227	5/8	15.9	10	4.5	16	1/4 x 3/4	6.3 x 19.0
N-2228	3/4	19.0	11	5.0	16	1/4 x 3/4	6.3 x 19.0
N-2229	7/8	22.2	12	5.4	16	1/4 x 3/4	6.3 x 19.0
N-2230	1	25.4	14	6.4	14	1/4 x 3/4	6.3 x 19.0
N-2231	1-1/8	28.6	15	6.8	14	1/4 x 3/4	6.3 x 19.0
N-2232	1-1/4	31.7	16	7.3	14	1/4 x 3/4	6.3 x 19.0
N-2233	1-3/8	34.9	17	7.7	14	1/4 x 3/4	6.3 x 19.0
N-2234	1-1/2	38.1	18	8.2	14	1/4 x 3/4	6.3 x 19.0
N-2235	1-5/8	41.3	19	8.6	14	1/4 x 3/4	6.3 x 19.0
N-2034	1-3/4	44.4	28	12.7	12	5/16 x 1	7.9 x 25.4
N-2237	1-7/8	47.6	29	13.2	12	5/16 x 1	7.9 x 25.4
N-2238	2	50.8	31	14.1	12	5/16 x 1	7.9 x 25.4
N-2239	2-1/8	54.0	32	14.5	12	5/16 x 1	7.9 x 25.4
N-2240	2-1/4	57.1	33	15.0	12	5/16 x 1	7.9 x 25.4
N-2138	2-3/8	60.3	34	15.4	12	5/16 x 1	7.9 x 25.4
N-2242	2-1/2	63.5	35	15.9	12	5/16 x 1	7.9 x 25.4
N-2243	2-5/8	66.7	37	16.8	12	5/16 x 1	7.9 x 25.4
N-2244	2-3/4	69.9	38	17.3	12	5/16 x 1	7.9 x 25.4
N-2142	2-7/8	73.0	40	18.2	12	5/16 x 1	7.9 x 25.4
N-2246	3	76.2	41	18.6	12	5/16 x 1	7.9 x 25.4
N-2247	3-1/8	79.4	43	19.5	12	5/16 x 1	7.9 x 25.4
N-2248	3-1/4	82.6	45	20.4	12	5/16 x 1	7.9 x 25.4
N-2249	3-3/8	85.7	46	20.9	12	5/16 x 1	7.9 x 25.4
N-2146	3-1/2	88.9	47	21.3	12	5/16 x 1	7.9 x 25.4
N-2251	3-5/8	92.1	56	25.4	11	3/8 x 1-1/4	9.5 x 31.7
N-2252	3-3/4	95.3	58	26.3	11	3/8 x 1-1/4	9.5 x 31.7
N-2253	3-7/8	98.4	60	27.2	11	3/8 x 1-1/4	9.5 x 31.7
N-2150	4	101.6	62	28.1	11	3/8 x 1-1/4	9.5 x 31.7
N-2255	4-1/8	104.8	62	28.1	11	3/8 x 1-1/4	9.5 x 31.7
N-2256	4-1/4	108.0	64	29.1	11	3/8 x 1-1/4	9.5 x 31.7
N-2257	4-3/8	111.1	66	30.0	11	3/8 x 1-1/4	9.5 x 31.7
N-2154	4-1/2	114.3	67	30.4	11	3/8 x 1-1/4	9.5 x 31.7
N-2259	4-5/8	117.5	70	31.7	11	3/8 x 1-1/4	9.5 x 31.7
N-2260	4-3/4	120.6	72	32.7	11	3/8 x 1-1/4	9.5 x 31.7
N-2261	4-7/8	123.8	73	33.1	11	3/8 x 1-1/4	9.5 x 31.7
N-2262	5	127.0	74	33.6	11	3/8 x 1-1/4	9.5 x 31.7
N-2263	5-1/8	130.2	76	34.5	11	3/8 x 1-1/4	9.5 x 31.7
N-2264	5-1/4	133.3	77	35.0	11	3/8 x 1-1/4	9.5 x 31.7
N-2265	5-3/8	136.5	78	35.4	11	3/8 x 1-1/4	9.5 x 31.7
N-2266	5-1/2	139.7	79	35.8	11	3/8 x 1-1/4	9.5 x 31.7
N-2267	5-5/8	142.9	88	40.0	10	3/8 x 1-1/4	9.5 x 31.7
N-2268	5-3/4	146.0	90	40.9	10	3/8 x 1-1/4	9.5 x 31.7
N-2269	5-7/8	149.2	92	41.8	10	3/8 x 1-1/4	9.5 x 31.7
N-2270	6	152.4	92	41.8	10	3/8 x 1-1/4	9.5 x 31.7
N-2274	8	203.2	112	50.8	10	3/8 x 1-1/4	9.5 x 31.7
N-2278	10	254	139	63.0	10	3/8 x 1-1/4	9.5 x 31.7
N-2280	12	304.8	161	73.0	10	3/8 x 1-1/4	9.5 x 31.7



Includes Slotted Hex Head Cap Screw and Kep Nut.

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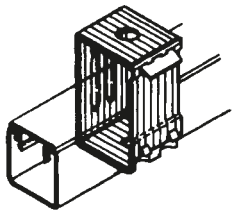
For All Single Channels and N-500A

HANGER					
CATALOG NUMBER	DESCRIPTION	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2420	CHANNEL HANGER	17/32	13.5	25	11.3
N-2422*	FIXTURE HANGER	17/32	13.5	27	12.2

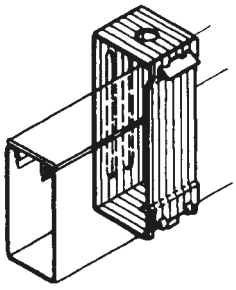
*With 1/4" x 3/4" (6.3 x 19.0) Stud and Wing Nut



For N-200A, N-210A, and N-300A Channels

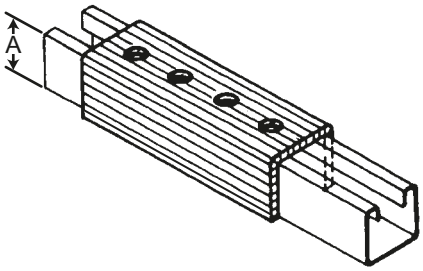
HANGER					
CATALOG NUMBER	DESCRIPTION	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2424	CHANNEL HANGER	17/32	13.5	45	20.4
N-2426*	FIXTURE HANGER	17/32	13.5	47	21.3

*With 1/4" x 3/4" (6.3 x 19.0) Stud and Wing Nut

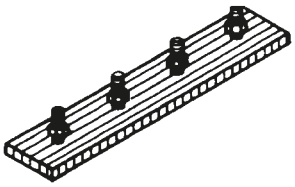


FOUR-HOLE SPLICE CLEVIS					
CATALOG NUMBER	CHANNEL SIZE	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2432	N-200 N-210	1-5/8	41.3	100	45.4
N-2433	N-300	1-3/8	34.9	95	43.1
N-2435	N-500	13/16	20.6	80	36.3

Material : 14GA (1.9 mm)
Should be used with either N-2439 or N-2440

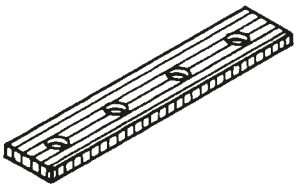


STUD SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-2439	10 Lbs (4.5 Kg)



Material: 14GA (1.9 mm)

TAPPED SPLICE PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-2440	10 Lbs (4.5 Kg)



Material: 14GA (1.9 mm)
Includes 4 pieces 1/4"-20 (6.3) Flat Head Machine Screws

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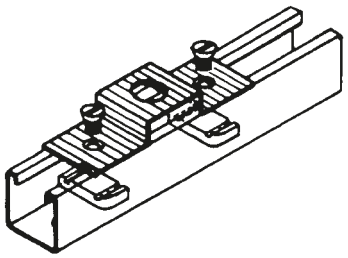
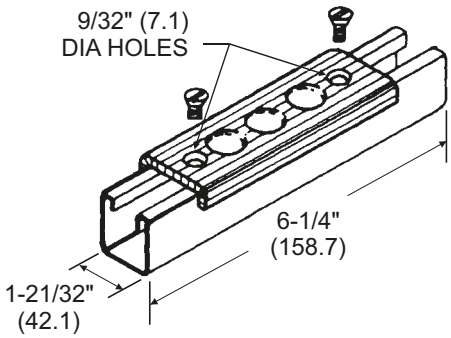
CONDUIT CONNECTOR					
CATALOG NUMBER	USE WITH	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2442	1/2" (12.7) CONDUIT	7/8	22.2	28	12.7
N-2443	3/4" (19.0) CONDUIT	1-3/32	27.8	28	12.7

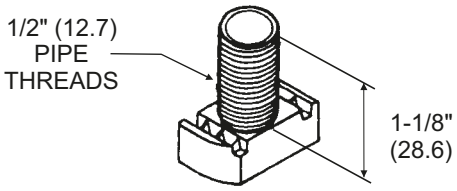
Assembly includes nuts and flat-head machine screws



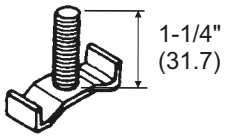
KNOCK-OUT PLATE	
CATALOG NUMBER	WEIGHT PER 100
N-2449	35 Lbs (15.9 Kg)



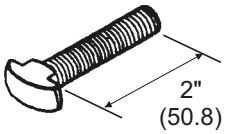
WIRING STUD CAST ALUMINUM	
CATALOG NUMBER	WEIGHT PER 100
N-2462	8 Lbs (3.6 Kg)



FIXTURE STUD NUT	
CATALOG NUMBER	WEIGHT PER 100
N-2460	4 Lbs (1.8 Kg)



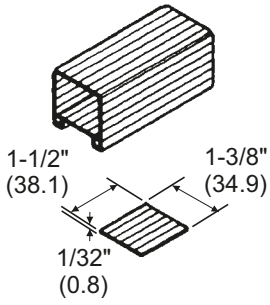
SHOULDER BOLT	
CATALOG NUMBER	WEIGHT PER 100
N-2463	9 Lbs (4.1 Kg)



Diameter: 3/8" (9.5)

FIXTURE NUT	
CATALOG NUMBER	WEIGHT PER 100
N-2461	2 Lbs (0.9 Kg)

FIBER WIRE RETAINER	
CATALOG NUMBER	WEIGHT PER 100
N-2469	3 Lbs (1.4 Kg)



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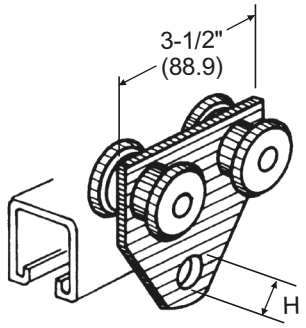
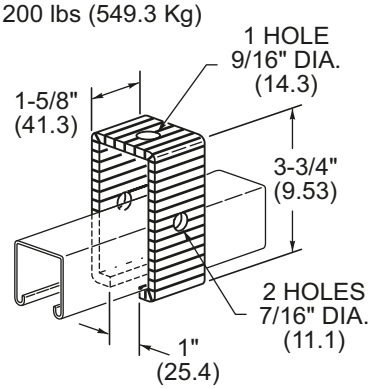
FOUR WHEEL TROLLEY				
CATALOG NUMBER	"H" in	"H" mm	WEIGHT lbs	WEIGHT kg
N-2600	9/16	14.3	1.06	0.5
N-2601	1-1/8	28.6	0.99	0.4



Allowable load 600 lbs (2.67 kN) maximum.
Trolley designed to fit N-200 and N-210 channels.

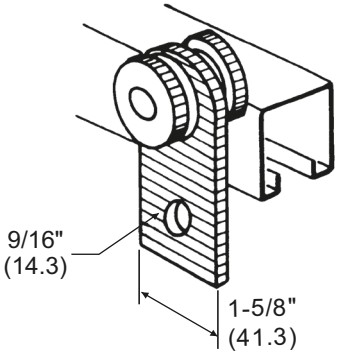
CHANNEL TROLLEY SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
N-2611	102 Lbs (46.3 Kg)

Design load 1200 lbs (549.3 Kg)



Requires 3/8" x 2-1/2" Bolt and 3/8" Nut (Not Included)

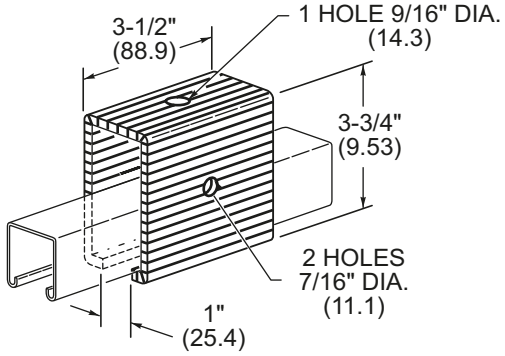
TWO WHEEL TROLLEY	
CATALOG NUMBER	WEIGHT PER 100
N-2602	59 Lbs (26.8 Kg)



Allowable load 300 lbs (1.48 kN) maximum.
Trolley designed to fit N-200 and N-210 channels.

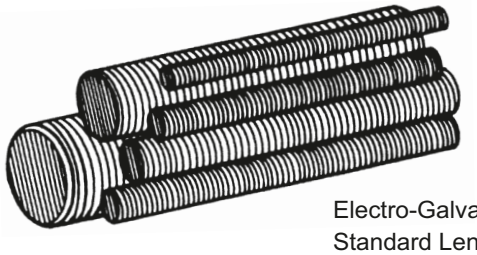
CHANNEL TROLLEY SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
N-2612	220 Lbs (99.9 Kg)

Design load 2500 lbs (1139.0 Kg)



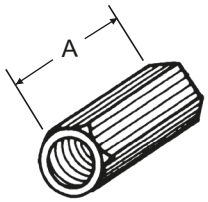
Requires 3/8" x 2-1/2" Bolt and 3/8" Nut (Not Included)

THREADED ROD					
CATALOG NUMBER	DIA. SIZE in	DIA. SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2650	1/4	6.3	20	12	5.4
N-2652	3/8	9.5	16	30	13.6
N-2654	1/2	12.7	13	52	23.6
N-2656	5/8	15.9	11	85	38.6
N-2658	3/4	19.1	10	123	55.8



Electro-Galvanized Finish
Standard Length is 10'-0"

ROD COUPLERS							
CATALOG NUMBER	DIA. SIZE in	DIA. SIZE mm	THREAD	"A" LENGTH in	"A" LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2660	1/4	6.3	20	7/8	22.2	2	0.9
N-2662	5/16	7.9	18	7/8	22.2	2	0.9
N-2664	3/8	9.5	16	1-3/4	44.4	11	5.0
N-2666	1/2	12.7	13	1-3/4	44.4	11	5.0
N-2668	5/8	15.9	11	2-1/8	54.0	16	7.3
N-2670	3/4	19.0	10	2-1/4	57.1	28	12.7



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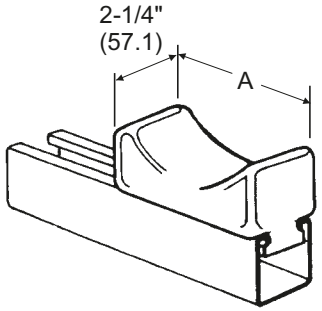
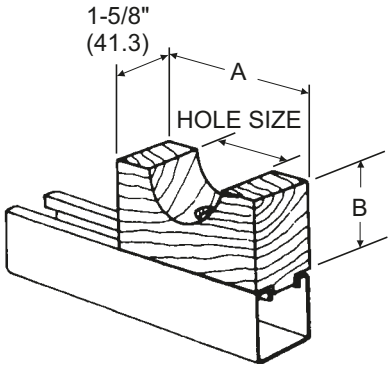
PORCELAIN CABLE SADDLES

CATALOG NUMBER	"A" LENGTH in	"A" LENGTH mm	MAXIMUM CABLE DIA. in	MAXIMUM CABLE DIA. mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2708	3	76.2	3	76.2	73	33.1
N-2709	4	101.6	4-1/2	114.3	104	47.2



MAPLE CABLE SADDLES

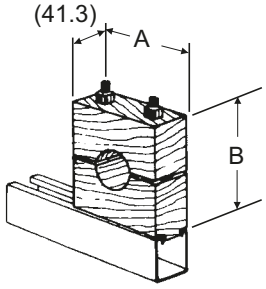
CATALOG NUMBER	HOLE SIZE (CABLE DIA.) in	HOLE SIZE (CABLE DIA.) mm	"A" LENGTH in	"A" LENGTH mm	"B" LENGTH in	"B" LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2810	0 - 1	0 - 25.4	3	76.2	1-3/4	44.4	30	13.6
N-2811	1 - 1-1/2	25.4 - 38.1	3-1/2	88.9	2	50.8	40	18.1
N-2812	1-1/2 - 2	38.1 - 50.8	4	101.6	2-1/4	57.1	50	22.7
N-2813	2 - 2-1/2	50.8 - 63.5	4-1/2	114.3	3-1/2	88.9	70	31.7
N-2814	2-1/2 - 3	63.5 - 76.2	5	127.0	2-3/4	69.8	80	36.3
N-2815	3 - 3-1/2	76.2 - 88.9	5-1/2	139.7	3	76.2	100	45.4
N-2816	3-1/2 - 4	88.9 - 101.6	6	152.4	3-1/4	82.5	130	59.0
N-2817	4 - 4-1/2	101.6 - 114.3	7	177.8	3-3/4	95.2	160	72.6



Furnished with 2 studs, 2 hex nuts, 2 flat washers. Requires two 3/8" clamping nuts. Maple hardwood parafin impregnated. Order separately. Orders must specify exact hole size.

SQUARE MAPLE CABLE CLAMPS

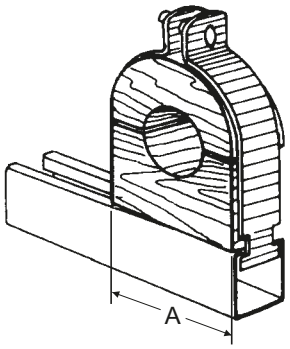
CATALOG NUMBER	HOLE SIZE in	HOLE SIZE mm	"A" LENGTH in	"A" LENGTH mm	"B" LENGTH in	"B" LENGTH mm	STUD SIZE	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2820	0 - 1	0 - 25.4	3-1/2	88.9	3-1/2	88.9	3/8"-16x6	68	30.9
N-2821	1 - 1-1/2	25.4 - 38.1	4	101.6	4	101.6	3/8"-16x6	88	40.0
N-2822	1-1/2 - 2	38.1 - 50.8	4-1/2	114.3	4-1/2	114.3	3/8"-16x7	106	48.1
N-2823	2 - 2-1/2	50.8 - 63.5	5-1/2	139.7	5-1/2	139.7	3/8"-16x8	146	66.3
N-2824	2-1/2 - 3	63.5 - 76.2	6	152.4	6	152.4	3/8"-16x8	188	85.4
N-2825	3 - 3-1/2	76.2 - 88.9	6-1/2	165.1	6-1/2	165.1	3/8"-16x9	223	101.2
N-2826	3-1/2 - 4	88.9 - 101.6	7	177.8	7	177.8	3/8"-16x9	259	117.6
N-2827	4 - 4-1/2	101.6 - 114.3	7-1/2	190.5	7-1/2	190.5	3/8"-16x10	276	125.3



Furnished with 2 studs, 2 hex nuts, 2 flat washers. Requires two 3/8" clamping nuts. Maple hardwood parafin impregnated. Order separately. Orders must specify exact hole size.

MAPLE CABLE CLAMPS

CATALOG NUMBER	HOLE SIZE in	HOLE SIZE mm	"A" LENGTH in	"A" LENGTH mm	PIPE CLAMP INCLUDED	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2870	0 - 5/8	0 - 15.9	1	25.4	N-2130	24	10.9
N-2871	1/2 - 1	12.7 - 25.4	1-1/2	38.1	N-2134	43	19.5
N-2872	3/4 - 1-1/2	19.0 - 38.1	2	50.8	N-2138	54	24.5
N-2873	1-1/4 - 1-3/4	31.7 - 44.4	2-1/2	63.5	N-2142	66	30.0
N-2874	1-1/2 - 2-1/4	38.1 - 57.1	3	76.2	N-2146	85	38.6
N-2875	2 - 2-1/2	50.8 - 63.5	3-1/2	88.9	N-2150	108	49.0
N-2876	2-1/4 - 3	57.1 - 76.2	4	101.6	N-2154	123	55.8
N-2877	3 - 4	76.2 - 101.6	5	127.0	N-2162	163	74.0



Maple Cable Clamps are furnished complete with pipe clamp and hardware.

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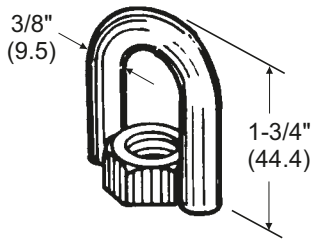
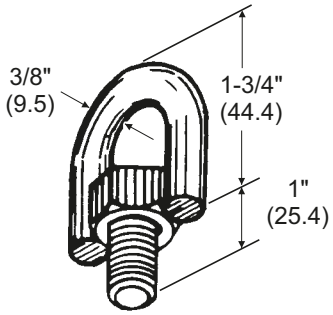
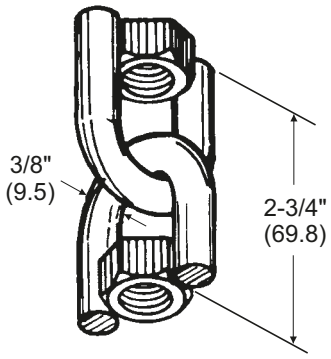
SWIVEL HANGER (FEMALE)					
CATALOG NUMBER	HOLE SIZE in	HOLE SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2905	3/8	9.5	16	15	6.8
N-2906	1/2	12.7	13	29	13.2



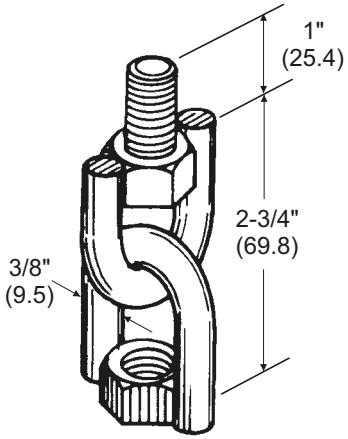
SWIVEL HANGER (MALE)					
CATALOG NUMBER	STUD SIZE in	STUD SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2910	3/8	9.5	16	20	9.1
N-2911	1/2	12.7	13	38	17.3



SWIVEL HANGER (FEMALE-FEMALE)					
CATALOG NUMBER	HOLE SIZE in	HOLE SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2915	3/8	9.5	16	30	13.6
N-2916	1/2	12.7	13	58	26.3



SWIVEL HANGER (MALE-FEMALE)					
CATALOG NUMBER	STUD SIZE in	STUD SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-2920	3/8	9.5	16	35	15.9
N-2921	1/2	12.7	13	67	30.4



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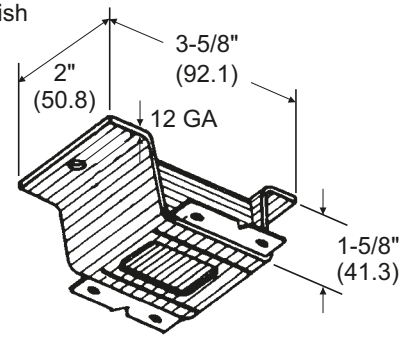
SPOT INSERT	
CATALOG NUMBER	WEIGHT PER 100
N-3000	50 Lbs (22.7 Kg)

Electro-Galvanized Finish

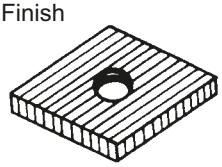
Design Load
600 Lbs (2.69kN)
Safety Factor of 5



12 GA = 2.6 mm

CONCRETE INSERT NUTS				
CATALOG NUMBER	TAPPED SIZE in	mm	WEIGHT PER 100 lbs	kg
N-3024	1/4"-20	6.3	8	3.6
N-3025	3/8"-16	9.5	11	5.0
N-3026	1/2"-13	12.7	15	6.8
N-3027	5/8"-11	15.9	19	8.6
N-3028	3/4"-10	19.0	17	7.7
N-3029	7/8"-9	22.2	15	6.8

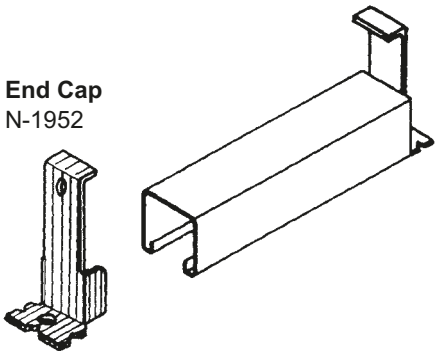
Electro-Galvanized Finish



Use N-1952 End Cap.

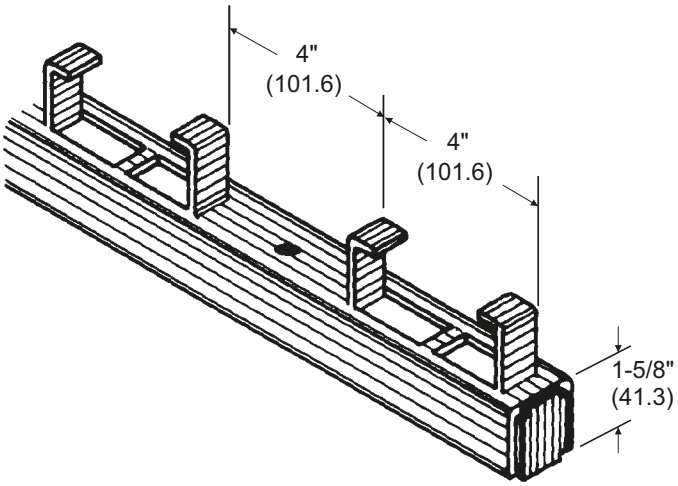
CONCRETE INSERT						
CATALOG NUMBER	LENGTH in	mm	WEIGHT PER 100 lbs	kg	DESIGN LOAD lbs	kN
N-3250	4	101.6	88	39.9	800	3.58
N-3251	6	152.4	120	54.4	1000	4.48
N-3252	8	203.2	152	68.9	1200	5.38

End Cap
N-1952



Use N-1930 End Cap.

CONTINUOUS CONCRETE INSERT				
CATALOG NUMBER	A in	mm	WEIGHT PER 100 lbs	kg
N-3253	12	304.8	213	96.5
N-3254	16	406.4	280	126.8
N-3255	20	508.0	347	157.2
N-3256	24	609.6	414	187.5
N-3257	32	812.8	548	248.2
N-3257A	36	914.4	615	278.6
N-3258	40	1016.0	682	308.9
N-3259	48	1219.2	816	369.6
N-3260	60	1524.0	1017	460.7
N-3261	72	1828.8	1218	551.8
N-3262	84	2133.6	1419	642.8
N-3263	96	2438.4	1620	733.9
N-3264	108	2743.2	1821	824.9
N-3265	120	3048.0	2022	916.0
N-3266	144	3657.6	2424	1098.1
N-3267	168	4267.2	2826	1280.2
N-3268	192	4876.8	3228	1464.2
N-3269	216	5486.4	3630	1646.5
N-3270	240	6096.0	4032	1828.9



Design load for N-3253 through N-3270 is 2000 lbs (8.96 kN) per foot with a safety factor of 3 in average good concrete.

Loads concentrated within the last 2" (50.8) of concrete inserts 8" (203.2) and longer should not exceed 1000 lbs (4.48 kN).

Concrete insert should be secured to the forms on 16" (406.4) to 24" (609.6) intervals.

N-3270 Continuous Concrete Inserts are made from N-200 channel. Use channel nuts designed for use in N-200 channel.

Styrofoam fillers are supplied with all concrete inserts.

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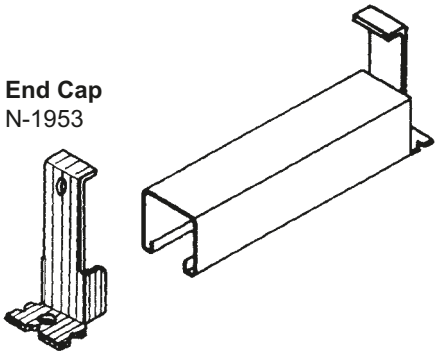
Use N-1953 End Cap.

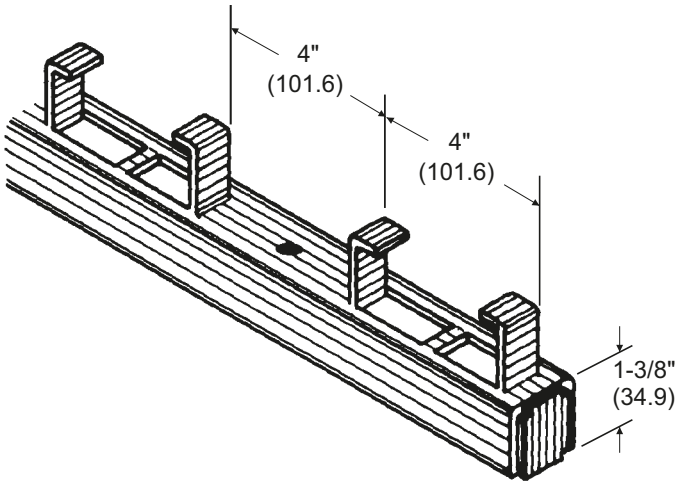
CONCRETE INSERT						
CATALOG NUMBER	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	DESIGN LOAD lbs	DESIGN LOAD kN
N-3350	4	101.6	95	43.1	800	3.58
N-3351	6	152.4	128	58.1	1000	4.48
N-3352	8	203.2	155	70.3	1200	5.38

End Cap
N-1953



Use N-1933 End Cap.

CONTINUOUS CONCRETE INSERT				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3353	12	304.8	202	91.7
N-3354	16	406.4	262	118.9
N-3355	20	508.0	316	143.5
N-3356	24	609.6	376	170.7
N-3357	32	812.8	496	225.2
N-3357A	36	914.4	556	252.4
N-3358	40	1016.0	616	279.7
N-3359	48	1219.2	736	333.8
N-3360	60	1524.0	915	415.4
N-3361	72	1828.8	1095	497.1
N-3362	84	2133.6	1274	577.9
N-3363	96	2438.4	1453	659.7
N-3364	108	2743.2	1633	740.7
N-3365	120	3048.0	1813	822.4
N-3366	144	3657.6	2173	985.7
N-3367	168	4267.2	2533	1148.9
N-3368	192	4876.8	2893	1312.2
N-3369	216	5486.4	3253	1475.5
N-3370	240	6096.0	3613	1638.8



Design load for N-3353 through N-3370 is 2000 lbs (8.96 kN) per foot with a safety factor of 3 in average good concrete.

Loads concentrated within the last 2" (50.8) of concrete inserts 8" (203.2) and longer should not exceed 1000 lbs (4.48 kN).

Concrete insert should be secured to the forms on 16" (406.4) to 24" (609.6) intervals.

N-3370 Continuous Concrete Inserts are made from N-300 channel. Use channel nuts designed for use in N-300 channel.

Styrofoam fillers are supplied with all concrete inserts.

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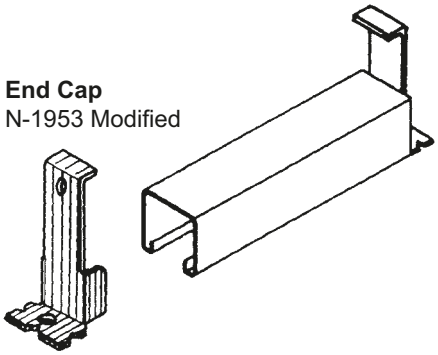
Use N-1953 Modified End Cap.

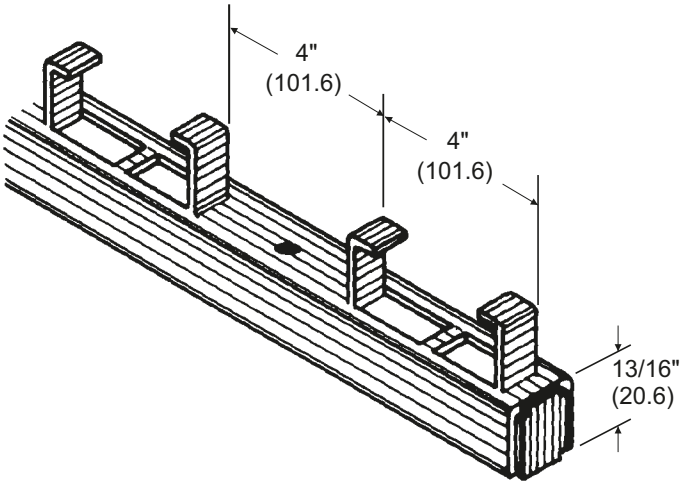
CONCRETE INSERT						
CATALOG NUMBER	LENGTH in	mm	WEIGHT PER 100 lbs	kg	DESIGN LOAD lbs	kN
N-3550	4	101.6	31	14.0	400	1.79
N-3551	6	152.4	47	21.3	600	2.69
N-3552	8	203.2	62	28.1	800	3.58

End Cap
N-1953 Modified



Use N-1935 End Cap.

CONTINUOUS CONCRETE INSERT				
CATALOG NUMBER	A in	mm	WEIGHT PER 100 lbs	kg
N-3553	12	304.8	117	53.0
N-3554	16	406.4	153	69.3
N-3555	20	508.0	188	85.2
N-3556	24	609.6	224	101.5
N-3557	32	812.8	295	133.6
N-3557A	36	914.4	331	149.9
N-3558	40	1016.0	367	166.3
N-3559	48	1219.2	438	198.4
N-3560	60	1524.0	545	247.2
N-3561	72	1828.8	652	295.4
N-3562	84	2133.6	759	344.3
N-3563	96	2438.4	866	392.3
N-3564	108	2743.2	973	441.3
N-3565	120	3048.0	1080	489.2
N-3566	144	3657.6	1294	586.2
N-3567	168	4267.2	1508	684.0
N-3568	192	4876.8	1722	781.1
N-3569	216	5486.4	1936	878.2
N-3570	240	6096.0	2150	975.2



Design load for N-3553 through N-3570 is 1500 lbs (6.67 kN) per foot with a safety factor of 3 in average good concrete.

Loads concentrated within the last 2" (50.8) of concrete inserts 8" (203.2) and longer should not exceed 750 lbs (3.33 kN).

Concrete insert should be secured to the forms on 16" (406.4) to 24" (609.6) intervals.

N-3570 Continuous Concrete Inserts are made from N-500 channel. Use channel nuts designed for use in N-500 channel.

Styrofoam fillers are supplied with all concrete inserts.

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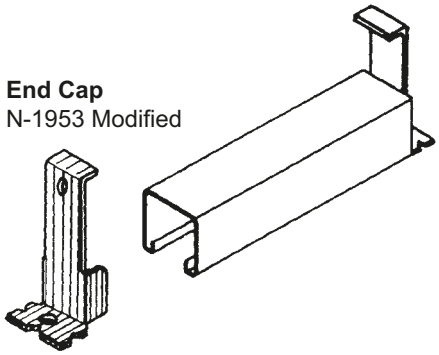
Use N-1953 Modified End Cap.

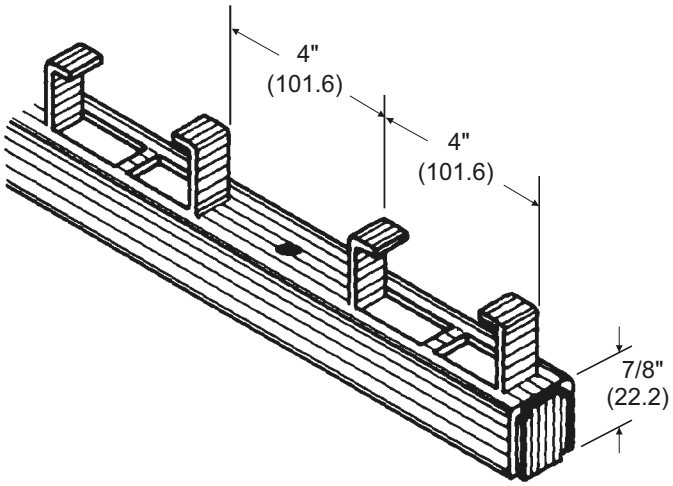
CONCRETE INSERT						
CATALOG NUMBER	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	DESIGN LOAD lbs	DESIGN LOAD kN
N-3950	4	101.6	81	36.7	500	2.24
N-3951	6	152.4	102	46.3	750	3.36
N-3952	8	203.2	122	55.3	1000	4.48



End Cap
N-1953 Modified

Use N-1935 End Cap.

CONTINUOUS CONCRETE INSERT				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3953	12	304.8	156	70.7
N-3954	16	406.4	205	92.9
N-3955	20	508.0	253	114.6
N-3956	24	609.6	302	137.0
N-3957	32	812.8	399	181.0
N-3957A	36	914.4	448	203.2
N-3958	40	1016.0	497	225.1
N-3959	48	1219.2	594	269.1
N-3960	60	1524.0	740	335.2
N-3961	72	1828.8	886	401.4
N-3962	84	2133.6	1032	468.1
N-3963	96	2438.4	1178	534.3
N-3964	108	2743.2	1324	600.6
N-3965	120	3048.0	1470	666.8
N-3966	144	3657.6	1762	799.2
N-3967	168	4267.2	2054	931.7
N-3968	192	4876.8	2346	1064.1
N-3969	216	5486.4	2638	1196.6
N-3970	240	6096.0	2930	1329.0



Design load for N-3953 through N-3970 is 2000 lbs (8.96 kN) per foot with a safety factor of 3 in average good concrete.

Loads concentrated within the last 2" (50.8) of concrete inserts 8" (203.2) and longer should not exceed 1000 lbs (4.48 kN).

Concrete insert should be secured to the forms on 16" (406.4) to 24" (609.6) intervals.

N-3970 Continuous Concrete Inserts are made from N-900 channel. Use channel nuts designed for use in N-900 channel.

Styrofoam fillers are supplied with all concrete inserts.

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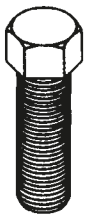
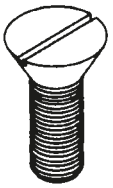
HEX HEAD CAP SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3400	1/4	6.3	1/2	12.7	1.0	0.5
N-3401	1/4	6.3	3/4	19.1	1.3	0.6
N-3402	1/4	6.3	1	25.4	1.7	0.8
N-3403	3/8	9.5	3/4	19.0	4.0	1.8
N-3404	3/8	9.5	1	25.4	4.5	2.0
N-3405	3/8	9.5	1-1/4	31.7	5.3	2.4
N-3406	3/8	9.5	1-1/2	38.1	6.1	2.8
N-3407	3/8	9.5	2	50.8	7.6	3.5
N-3408	3/8	9.5	2-1/4	57.1	8.5	3.9
N-3409	1/2	12.7	1	25.4	9.1	4.1
N-3410	1/2	12.7	1-1/4	31.7	10.0	4.5
N-3411	1/2	12.7	1-1/2	38.1	11.6	5.3
N-3412	1/2	12.7	1-3/4	44.4	13.2	6.0
N-3413	1/2	12.7	2	50.8	14.7	6.7
N-3414	1/2	12.7	2-1/4	57.1	16.0	7.3
N-3415	1/2	12.7	2-1/2	63.5	17.5	7.9
N-3416	1/2	12.7	3	76.2	20.6	9.3
N-3417	1/2	12.7	3-1/2	88.9	23.8	10.8
N-3418	1/2	12.7	4	101.6	27.1	12.3



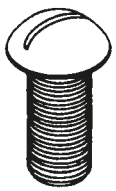
FLAT HEAD MACHINE SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3420	1/4	6.3	5/8	15.9	1.2	0.5
N-3421	5/16	7.9	1	25.4	2.6	1.2
N-3422	3/8	9.5	2	50.8	6.5	3.0
N-3423	3/8	9.5	2-1/4	57.1	7.1	3.2
N-3424	3/8	9.5	2-1/2	63.5	7.7	3.5
N-3425	1/2	12.7	3/4	19.1	8.1	3.7
N-3426	1/2	12.7	1	25.4	9.2	4.2
N-3427	1/2	12.7	1-1/4	31.8	10.3	4.7
N-3428	1/2	12.7	1-1/2	38.1	11.6	5.3



ROUND HEAD MACHINE SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3470	1/4	6.3	3/4	19.0	1.2	0.5
N-3471	1/4	6.3	1	25.4	1.5	0.7
N-3472	1/4	6.3	1-1/4	31.7	1.8	0.8
N-3473	5/16	7.9	1	25.4	2.6	1.2
N-3474	5/16	7.9	1-1/4	31.7	3.0	1.4
N-3475	5/16	7.9	1-1/2	38.1	3.6	1.6
N-3476	3/8	9.5	1	25.4	4.1	1.9
N-3477	3/8	9.5	1-1/4	31.7	4.7	2.1
N-3478	3/8	9.5	1-1/2	38.1	5.3	2.4
N-3479	3/8	9.5	2-1/2	63.5	7.7	3.5



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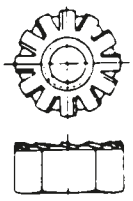
SPLIT LOCK WASHERS				
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3430	1/4	6.3	0.3	0.1
N-3431	3/8	9.5	0.7	0.3
N-3432	1/2	12.7	1.5	0.7
N-3433	5/8	15.9	2.6	1.2

FLAT WASHERS				
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3440	1/4	6.3	0.7	0.3
N-3441	3/8	9.5	1.5	0.7
N-3442	1/2	12.7	3.5	1.6
N-3443	5/8	15.9	7.7	3.5

FENDER WASHERS				
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3450	1/4 x 1-1/4	6.3 x 31.7	2.0	0.9
N-3451	3/8 x 1-1/2	9.5 x 38.1	3.0	1.4
N-3452	1/2 x 1-1/2	12.7 x 38.1	4.5	2.0

HEX NUTS				
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3460	1/4	6.3	0.6	0.3
N-3461	5/16	7.9	1.2	0.5
N-3462	3/8	9.5	1.6	0.7
N-3463	1/2	12.7	4.8	2.2
N-3464	5/8	15.9	7.33	3.3

KEP NUTS				
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
N-3490	1/4	6.3	0.9	0.4
N-3491	5/16	7.9	1.6	0.7
N-3492	3/8	9.5	2.7	1.2



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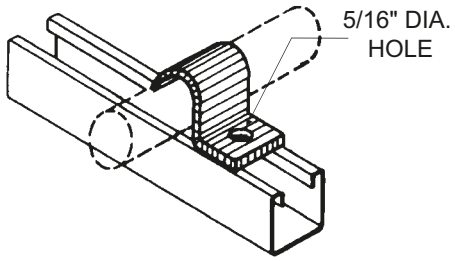
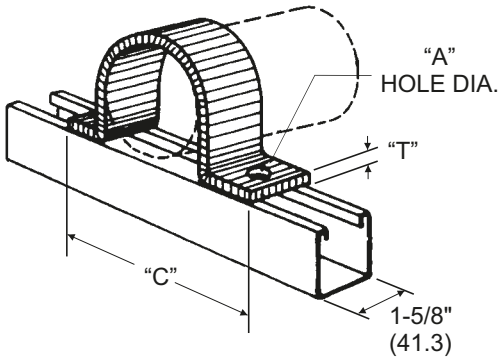
ONE-HOLE O.D. TUBING CLAMPS				
CATALOG NUMBER	O.D. TUBE SIZE in	mm	WEIGHT PER 100 lbs	kg
N-3724	1/4	6.3	4	1.8
N-3724A	5/16	7.9	5	2.3
N-3725	3/8	9.5	5	2.3
N-3726	1/2	12.7	6	2.7
N-3727	5/8	15.9	8	3.6
N-3728	3/4	19.0	9	4.1
N-3729	7/8	22.2	10	4.5
N-3730	1	25.4	11	5.0



Requires one 1/4" Dia. spring nut and one 1/4"-20 machine screw (order separately)



Requires two spring nuts and two machine screws (order separately)

STANDARD PIPE STRAP										
CATALOG NUMBER	PIPE SIZE in	mm	"C" LENGTH in	mm	"T" THICKNESS in	mm	"A" HOLE SIZE in	mm	WEIGHT PER 100 lbs	kg
N-3826	1/2	12.7	3	76.2	1/8	3.2	9/32	7.1	24	10.9
N-3828	3/4	19.0	3-1/4	82.6	1/8	3.2	9/32	7.1	28	12.7
N-3830	1	25.4	3-9/16	90.5	1/8	3.2	9/32	7.1	32	14.5
N-3832	1-1/4	31.7	3-13/16	96.8	1/8	3.2	9/32	7.1	35	15.9
N-3834	1-1/2	38.1	4-1/16	103.2	1/8	3.2	9/32	7.1	40	18.2
N-3838	2	50.8	5-13/16	147.6	1/4	6.3	7/16	11.1	95	43.1
N-3842	2-1/2	63.5	6-1/4	158.7	1/4	6.3	7/16	11.1	116	52.7
N-3846	3	76.2	7	177.8	1/4	6.3	7/16	11.1	135	61.3
N-3850	3-1/2	88.9	7-7/8	200.0	1/4	6.3	7/16	11.1	155	70.4
N-3854	4	101.6	8	203.2	1/4	6.3	7/16	11.1	180	81.7
N-3862	5	127.0	9-1/8	231.8	1/4	6.3	7/16	11.1	195	88.5
N-3870	6	152.4	10-5/16	261.9	1/4	6.3	7/16	11.1	240	109.0

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