KOKA

Strut Support Systems
Pipe Support Systems

Product Catalogue

CABLE TRAY
CABLE LADDER
CABLE TRUNKING
WIRE MESH CABLE TRAY
PIPE SUPPORT SYSTEMS
STRUT CHANNEL FITTING SYSTEMS
STRUT CHANNEL FRAMING SYSTEMS
CHOOSE KOKA ! CHOOSE SAFE !

www.chinakoka.com

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E-mail : sales@chinakoka.com

NEMA Setting Standards for Excellence MEMBER

KOKA

STRUT FRAMING SYSTEMS

For over 30 years ,Shanghai Koka Industrial Co.,Ltd is committed to becoming a leading provider of quality electrical products in china Region as well as internationally .
Strut line of continuous slotted steel framing channel. All koka Strut products are manufactured to the highest standards. For example, struts are made with a galvanized finish, making the unit extremely durable and immune to chips or ruptures, even under severe impact. Lock nuts are serrated, requiring only normal wrench pressure to secure the nuts into the turned-in channel lips. And a variety of fittings are available, providing a virtually unlimited selection of metal framing and support structures.

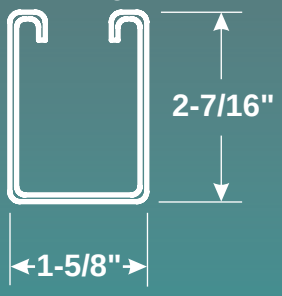
ADVANTAGES OF PW STRUT

- HIGH STRENGTH-TO-COST RATIO
- COMPLETELY ADJUSTABLE
- NO WELDING OR DRILLING REQUIRED
- STRUT IS RE-USABLE
- ONE INVENTORY ADAPTABLE TO MANY JOBS
- SAW AND WRENCH ARE THE ONLY TOOLS NEEDED

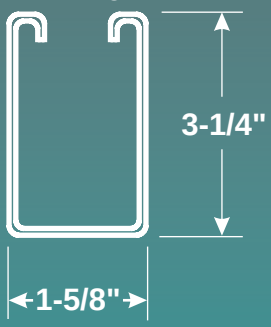
A FEW ENDLESS USES

SHELVING...STORAGE RACKS...CURTAIN WALL SUPPORTS...PIPING SUPPORTS...PIPE TUNNEL FRAMEWORKS...EQUIPMENT FRAMING...MECHANICAL ROOM GRIDS...CONCRETE INSERTS...CABLE, CONDUIT, CABLE TRAY OR BUS SUPPORTS...LUMINOUS CEILING SUPPORTS...RACEWAY SYSTEM SUPPORTS...MEZZANINE FRAMING...FLUORESCENT FIXTURE SUPPORTS...DROP FRAMES...PARTITION FRAMING...DISPLAYS

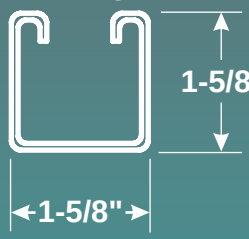
KK-100
12 Gauge



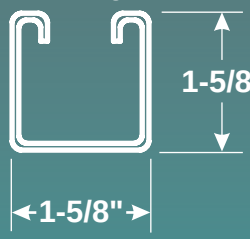
KK-150
12 Gauge



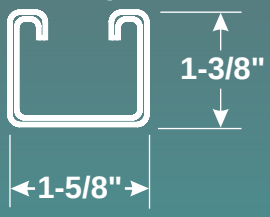
KK-200
12 Gauge



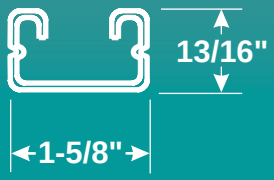
KK-210
14 Gauge



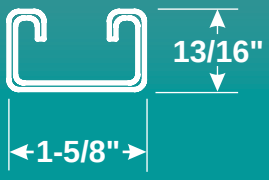
KK-300
12 Gauge



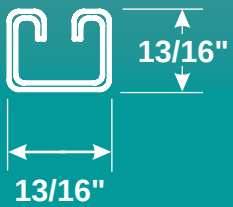
KK-400
16 Gauge



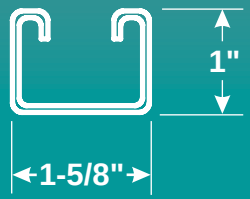
KK-500
14 Gauge



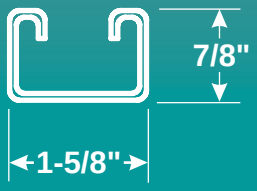
KK-600
19 Gauge



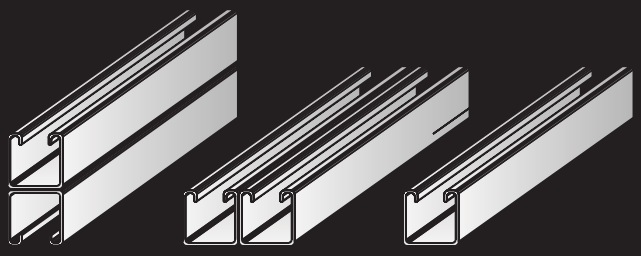
KK-800
12 Gauge



KK-900
12 Gauge



Standard channels are mill galvanized steel per ASTM A-653.
Hot-dip galvanized steel, stainless steel, and extruded aluminum are also available.
Standard lengths are 10' and 20'; custom lengths are available.



STRUT FRAMING SYSTEMS

SPECIFICATION SUGGESTIONS

Channels are cold roll formed from mild steel with a mill galvanized finish per ASTM A-653. Channels have a standard width dimension of 1-5/8". Standard lengths are 10 ft. or 20 ft. Lock nuts have serrated grooves for locking to the channel lips. Lock nuts are hot rolled steel, cyanide hardened, and electro-galvanized. Fittings are made of commercial quality hot rolled steel, with an electro-galvanized finish.

PIPE SUPPORT SYSTEMS

PIPE DIAMETER CHART

Pipe NB

Mass Pipe kg/m

Ø D

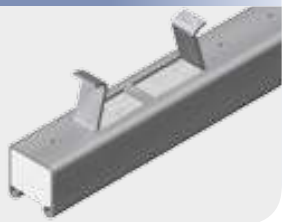
CHANNEL/STRUT

SLOTTED CHANNEL

COMBINATION CHANNEL

CHANNEL ACCESSORIES

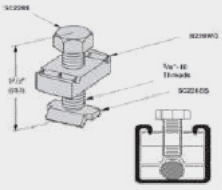
CONCRETE INSERT CHANNEL



FITTINGS & FASTENERS

CANTILEVER BRACKETS

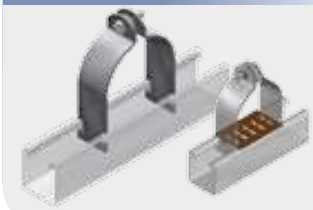
ROD STIFFENER



LOOP HANGERS

SADDLE CLAMPS

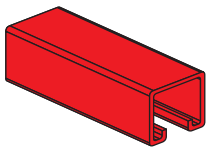
CHANNEL/ STRUT CLIPS



CUSHION CLAMPS

INSULATED PIPE CLAMP

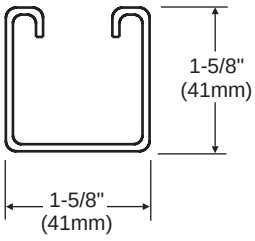
Sping Nut



CHANNEL STRAIGHT SECTIONS
STRUT FRAMING SYSTEMS

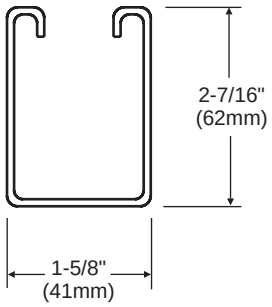
Features:

- Standard finish is mill galvanized steel per ASTM A-653.
- Standard lengths are 10' and 20'.
- Hot-dip galvanized steel, aluminum and stainless steel are also available.
- Multi-strut combinations and punched holes are available.



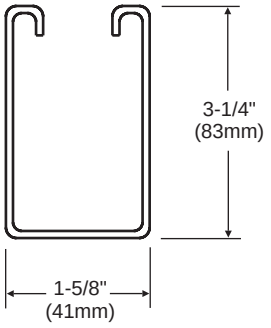
Thickness = 12 Gage (2.5mm)

KK-200



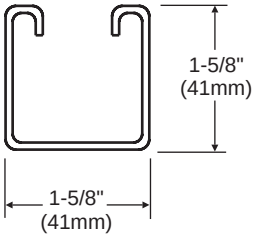
Thickness = 12 Gage (2.5mm)

KK-100



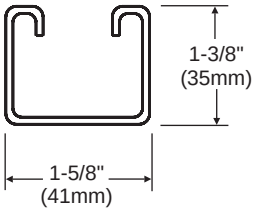
Thickness = 12 Gage (2.5mm)

KK-150



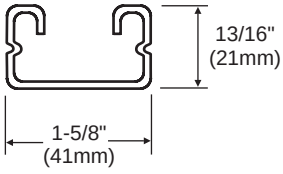
Thickness = 14 Gage (2mm)

KK-210



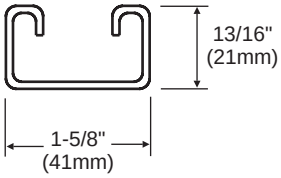
Thickness = 12 Gage (2.5mm)

KK-300



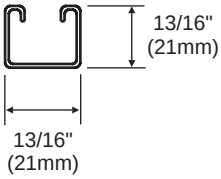
Thickness = 16 Gage (1.5mm)

KK-400



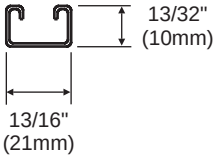
Thickness = 14 Gage (2mm)

KK-500



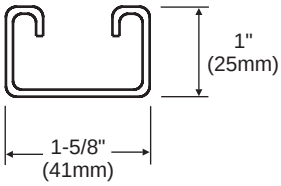
Thickness = 19 Gage (1mm)

KK-600



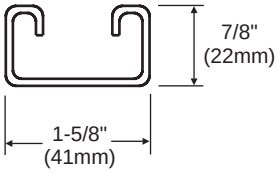
Thickness = 19 Gage (1mm)

KK-700



Thickness = 12 Gage (2.5mm)

KK-800



Thickness = 12 Gage (2.5mm)

KK-900

Channel Catalog Numbers:

Example: **KK-200A-0010-HH**

System Number

This identifies the specific channel design. A complete listing of available channel system numbers is shown above.

Channel Combinations

See page 4 for a complete listing of combination patterns.

Leave blank for single channel

Length

0010 - 10'-0"

0020 - 20'-0"

Custom lengths are also available, please contact koka.

Hole Patterns

HH - 9/16" Holes on 1-7/8" centers

SL - 13/32" x 3" Slots on 4" centers

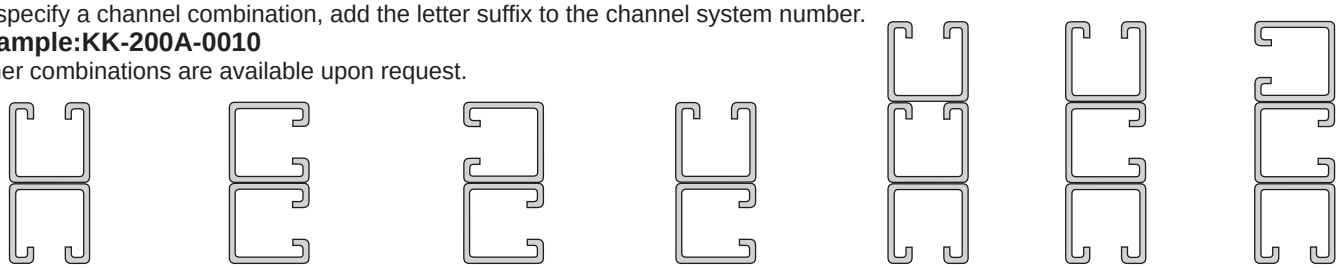
SS - 9/16" x 1-1/8" Slots on 2" centers

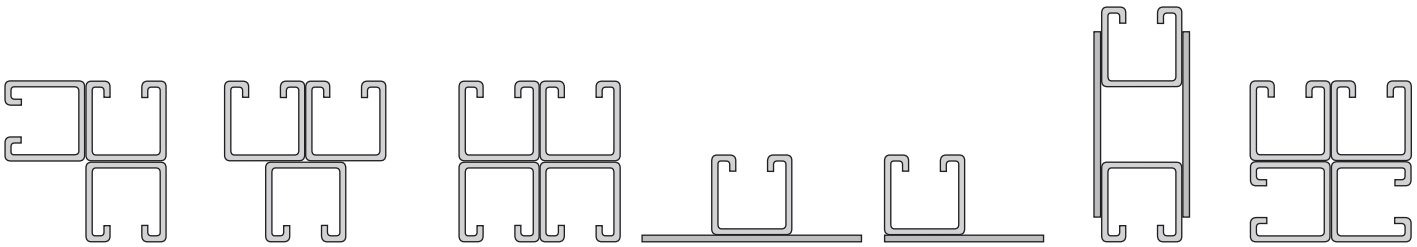
KO - 7/8" Knock-outs on 6" centers

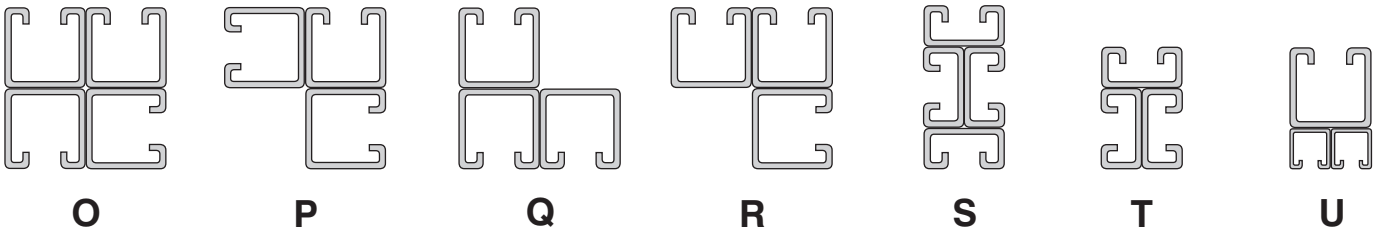
Leave blank for no holes

COMBINATIONS AND HOLE PATTERNS
STRUT FRAMING SYSTEMS

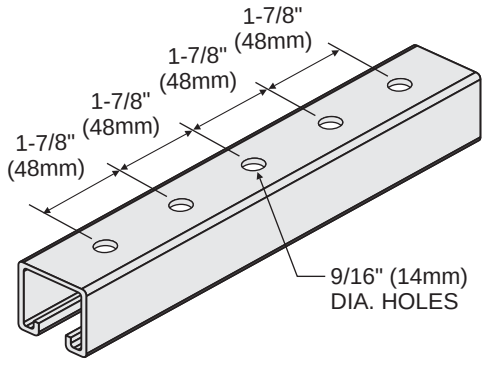
To specify a channel combination, add the letter suffix to the channel system number.
Example:KK-200A-0010
Other combinations are available upon request.



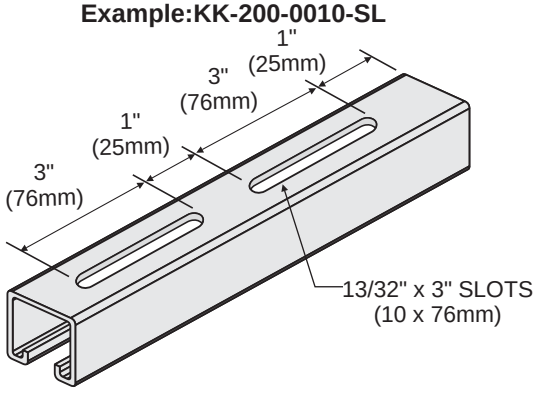




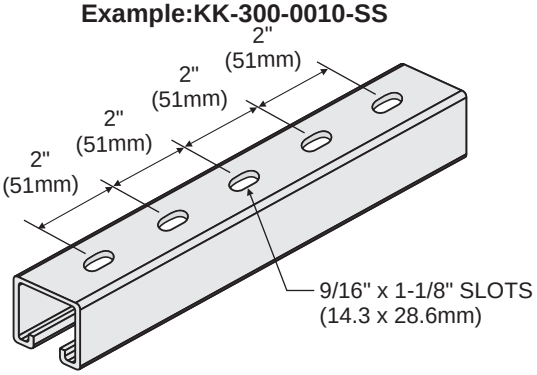
Channel with holes: catalog number suffix **HH**
Example:KK-100-0010-HH



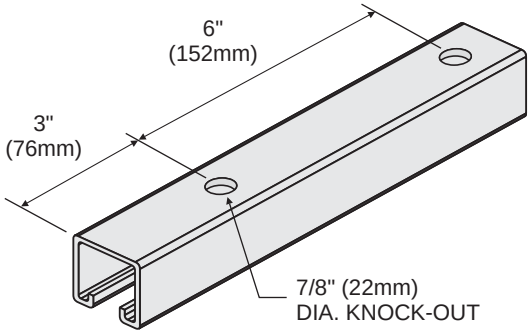
Channel with large slots: catalog number suffix **SL**
Example:KK-200-0010-SL

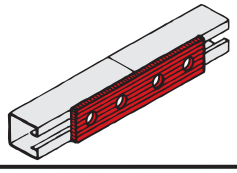


Channel with small slots: catalog number suffix **SS**
Example:KK-300-0010-SS



Channel with knock-outs: catalog number suffix **KO**
Example:KK-100-0010-KO

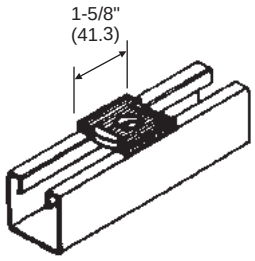




FLAT PLATE FITTINGS
STRUT FRAMING SYSTEMS

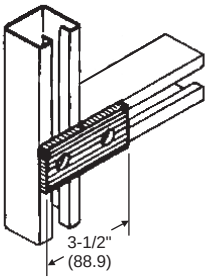
NO-TWIST SQUARE WASHERS

CATALOG NUMBER	BOLT SIZE in	BOLT SIZE mm	HOLE SIZE in	HOLE SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1002	5/16	7.9	11/32	8.7	17	7.7
KK-1003	3/8	9.5	7/16	11.1	16	7.3
KK-1004	1/2	12.7	9/16	14.3	15	6.8
KK-1005	5/8	15.9	11/16	17.5	15	6.8
KK-1006	3/4	19.0	13/16	20.6	14	6.3



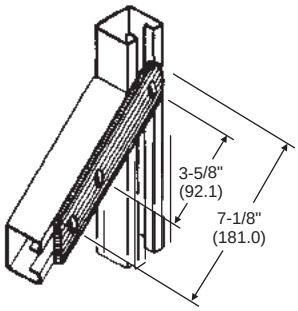
TWO-HOLE SPLICE PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1007	38 Lbs (17.2 Kg)



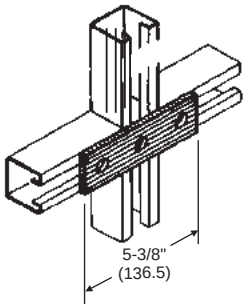
THREE-HOLE SWIVEL PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1012	74 Lbs (33.6 Kg)



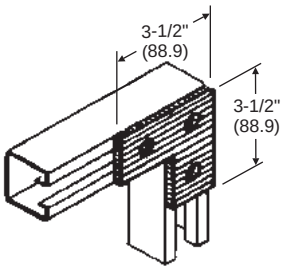
THREE-HOLE SPLICE PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1008	59 Lbs (26.8 Kg)



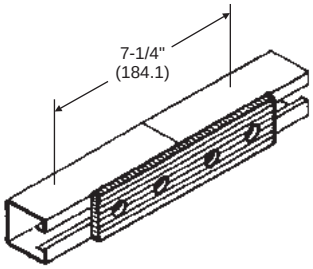
FLAT ANGLE PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1021	58 Lbs (26.3 Kg)



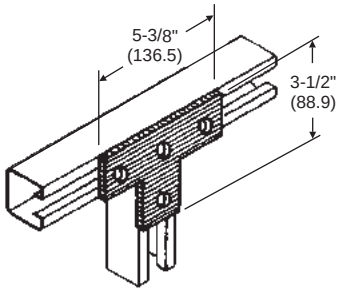
FOUR-HOLE SPLICE PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1009	76 Lbs (34.5 Kg)



TEE PLATE

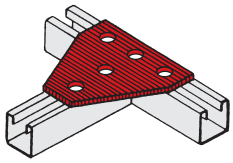
CATALOG NUMBER	WEIGHT PER 100
KK-1022	80 Lbs (36.3 Kg)



Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

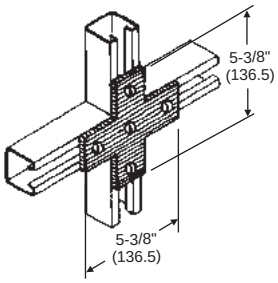
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

FLAT PLATE AND ANGLE FITTINGS
STRUT FRAMING SYSTEMS



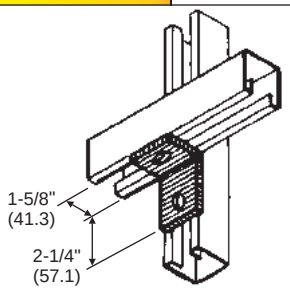
CROSS PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1023	100 Lbs (45.4 Kg)



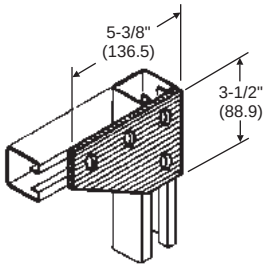
TWO-HOLE RACK CONNECTOR ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1102	36 Lbs (16.3 Kg)



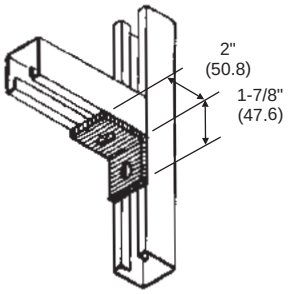
FOUR-HOLE CORNER PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1024	105 Lbs (47.6 Kg)



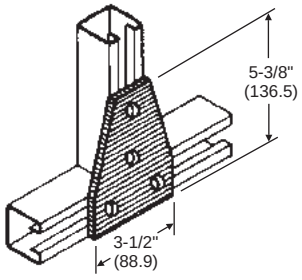
TWO-HOLE END CONNECTOR ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1103	36 Lbs (16.3 Kg)



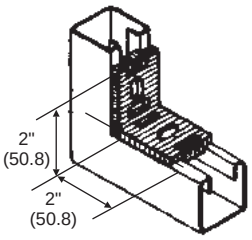
FOUR-HOLE GUSSET PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1026	100 Lbs (45.4 Kg)



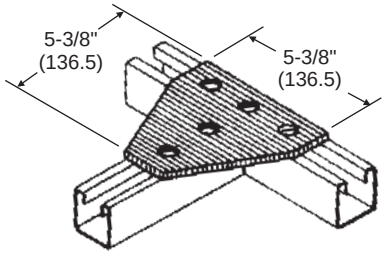
TWO-HOLE "NO-TWIST" CORNER ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1104	40 Lbs (18.1 Kg)



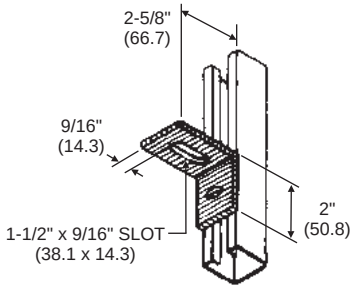
FIVE-HOLE GUSSET PLATE

CATALOG NUMBER	WEIGHT PER 100
KK-1027	145 Lbs (65.8 Kg)



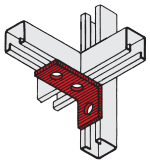
TWO-HOLE ADJUSTMENT ANGLE 2"

CATALOG NUMBER	WEIGHT PER 100
KK-1105	40 Lbs (18.1 Kg)



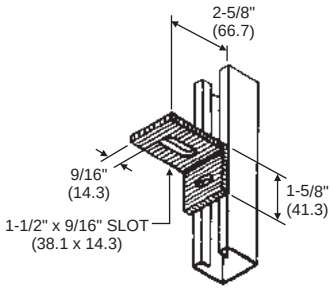
Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

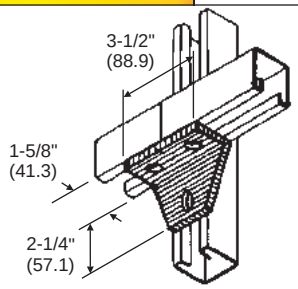


ANGLE FITTINGS
STRUT FRAMING SYSTEMS

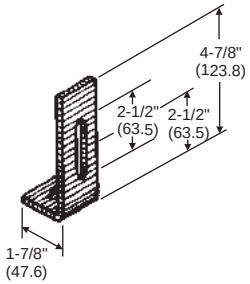
TWO-HOLE ADJUSTMENT ANGLE	
CATALOG NUMBER	WEIGHT PER 100
KK-1106	36 Lbs (16.3 Kg)



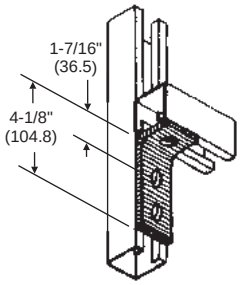
THREE-HOLE SHELF ANGLE	
CATALOG NUMBER	WEIGHT PER 100
KK-1110	67 Lbs (30.4 Kg)



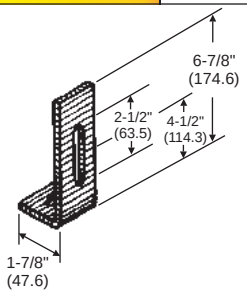
TWO-HOLE ADJUSTMENT ANGLE	
CATALOG. NUMBER	WEIGHT PER 100
KK-1107	65 Lbs (29.5 Kg)



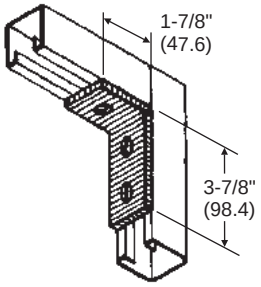
THREE-HOLE RACK CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
KK-1112	58 Lbs (26.3 Kg)



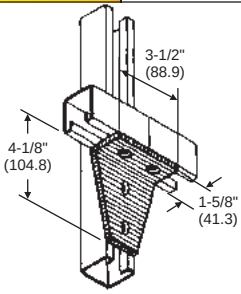
TWO-HOLE ADJUSTMENT ANGLE	
CATALOG NUMBER	WEIGHT PER 100
KK-1108	85 Lbs (38.6 Kg)



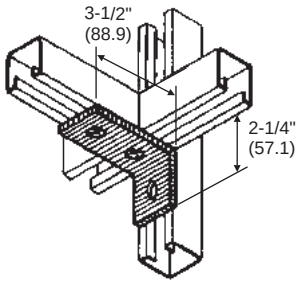
THREE-HOLE END CONNECTOR ANGLE	
CATALOG NUMBER	WEIGHT PER 100
KK-1113	58 Lbs (26.3 Kg)



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



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



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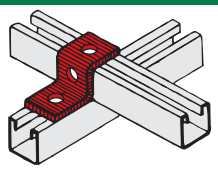
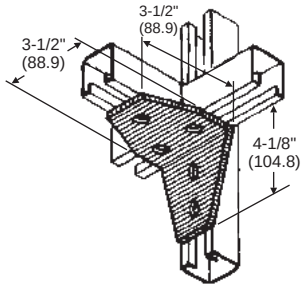
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



ANGLE & Z-SHAPED FITTTINGS
STRUT FRAMING SYSTEMS

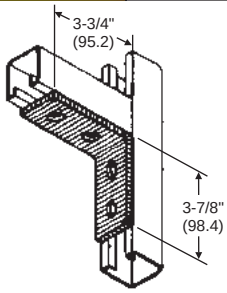
FIVE-HOLE THREE-WAY SHELF ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1117	135 Lbs (61.2 Kg)



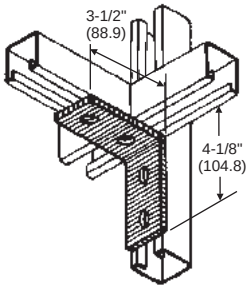
FOUR-HOLE CORNER ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1125	76 Lbs (34.5 Kg)



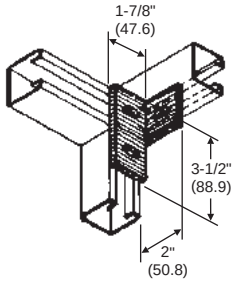
FOUR-HOLE RACK CORNER ANGLE

CATALOG NUMBER	WEIGHT PER 100
KK-1123	74 Lbs (33.6 Kg)



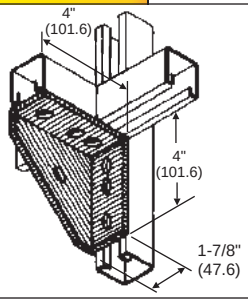
THREE-HOLE BENT ANGLE RIGHT HAND

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



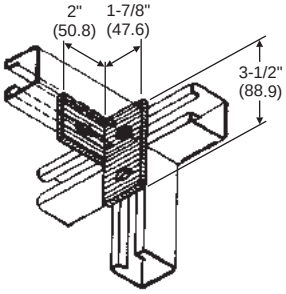
UNIVERSAL SHELF BRACKET

CATALOG NUMBER	WEIGHT PER 100
KK-1124	132 Lbs (59.9 Kg)



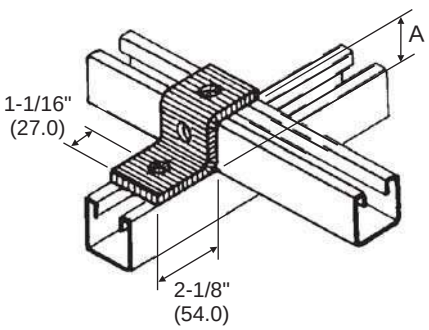
THREE-HOLE BENT ANGLE LEFT HAND

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



"Z" SUPPORTS

CATALOG NUMBER	CHANNEL	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1209	KK -100A	4-7/8	123.8	93	42.1
KK-1210	KK -150 KK -200A	3-1/4	82.6	70	31.8
KK-1211	KK -100	2-7/16	61.9	67	30.4
KK-1212	KK -200	1-5/8	41.3	55	24.9
KK-1213	KK -300	1-3/8	34.9	53	24.0
KK-1215	KK-400 KK -500	13/16	20.6	47	21.3
KK-1218	KK -800	1	25.4	47	21.3



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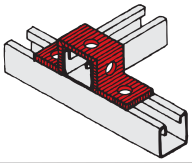
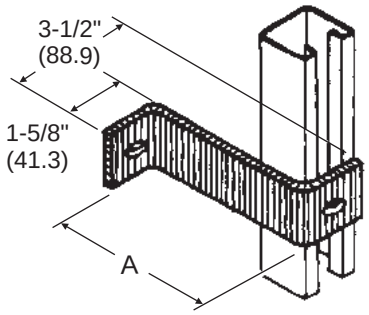
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

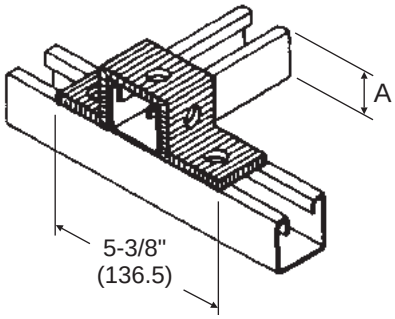


U-SHAPED & CLEVIS FITTINGS
STRUT FRAMING SYSTEMS

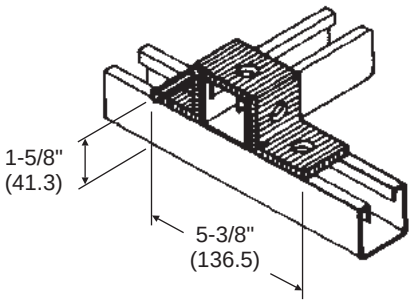
TWO-HOLE "Z" SUPPORTS				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1224	4	101.6	77	34.9
KK-1225	5	127.0	95	43.1
KK-1226	6	152.4	98	44.4
KK-1227	7	177.8	105	47.6
KK-1228	8	203.2	120	54.4



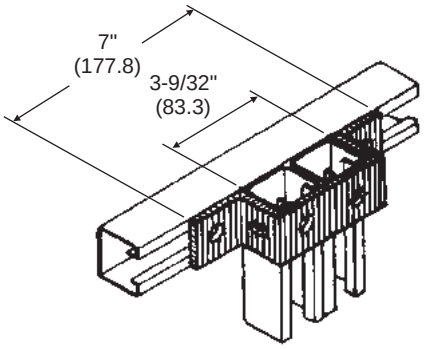
"U" SUPPORTS					
CATALOG NUMBER	CHANNEL	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1311	KK -100	2-7/16	61.9	110	49.9
KK-1313	KK -300	1-3/8	34.9	84	38.1
KK-1315	KK -400 KK -500	13/16	20.6	71	32.2
KK-1316	KK-150 KK-200A	3-1/4	82.6	128	58.0
KK-1318	KK -800	1	25.4	76	34.5



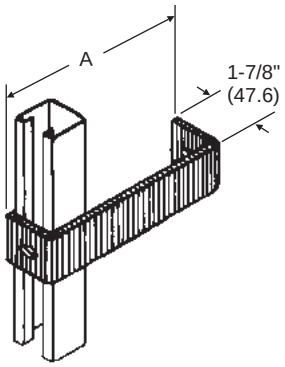
"U" SUPPORT FOR KK-200 CHANNEL	
CATALOG NUMBER	WEIGHT PER 100
KK-1312	85 Lbs (38.6 Kg)



SIX-HOLE "U" SUPPORT	
CATALOG NUMBER	WEIGHT PER 100
KK-1317	105 Lbs (47.6 Kg)



TWO-HOLE CLEVIS				
CATALOG NUMBER	A in	A mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1324	4	101.6	80	36.3
KK-1325	5	127.0	89	40.4
KK-1326	6	152.4	101	45.8
KK-1327	7	177.8	112	50.8
KK-1328	8	203.2	124	56.2



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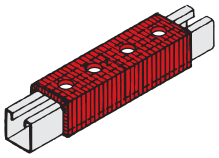
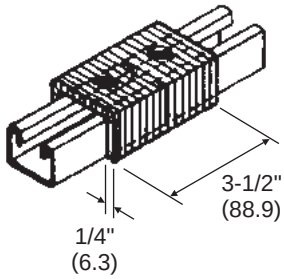
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

CLEVIS & ANGULAR FITTINGS
STRUT FRAMING SYSTEMS



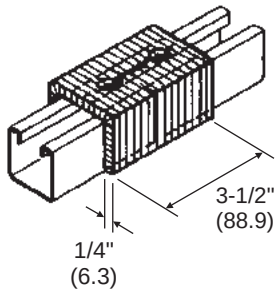
2-HOLE SPLICE CLEVIS FOR KK-500

CATALOG NUMBER	WEIGHT PER 100
KK-1342	84 Lbs (38.1 Kg)



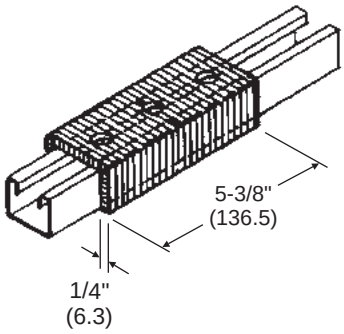
2-HOLE SPLICE CLEVIS FOR KK-200,210

CATALOG NUMBER	WEIGHT PER 100
KK-1344	123 Lbs (55.8 Kg)



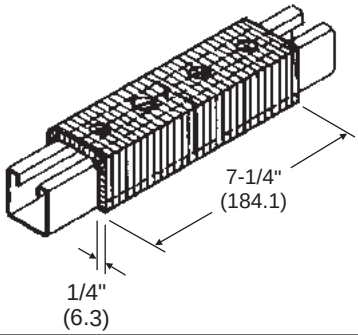
3-HOLE SPLICE CLEVIS FOR KK-500

CATALOG NUMBER	WEIGHT PER 100
KK-1343	126 Lbs (57.1 Kg)



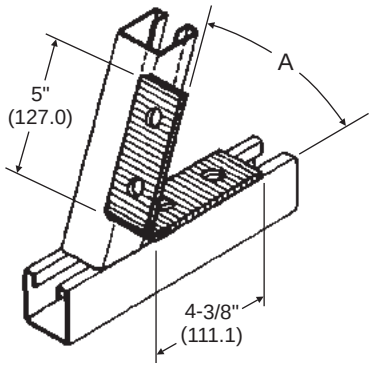
4-HOLE SPLICE CLEVIS FOR KK-200,210

CATALOG NUMBER	WEIGHT PER 100
KK-1345	266 Lbs (120.7 Kg)



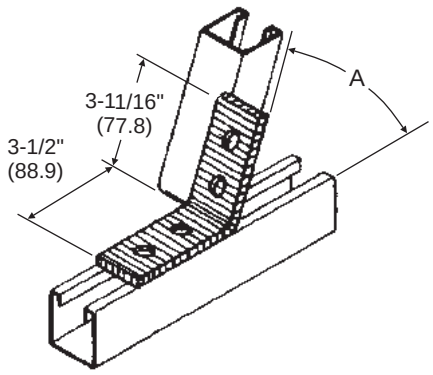
FOUR-HOLE CLOSED ANGLES

CATALOG NUMBER	A	WEIGHT PER 100 lbs	kg
KK-1413	60°	101	45.8
KK-1415	45°	101	45.8



FOUR-HOLE OPEN ANGLES

CATALOG NUMBER	A	WEIGHT PER 100 lbs	kg
KK-1443	60°	78	35.4
KK-1445	45°	78	35.4
KK-1447	30°	78	35.4



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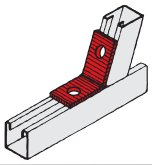
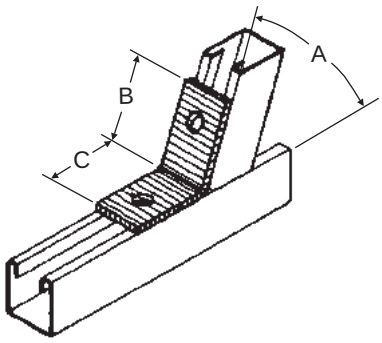
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

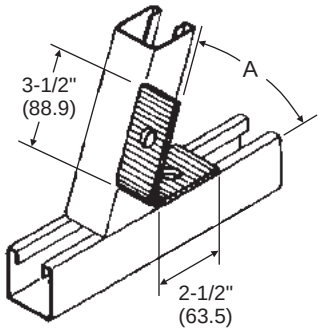


ANGULAR & WING FITTINGS
STRUT FRAMING SYSTEMS

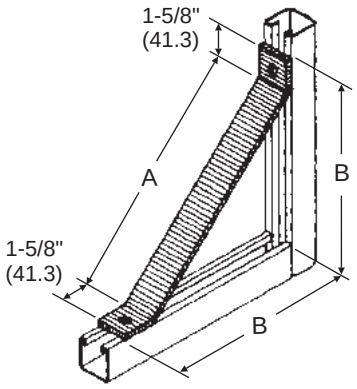
TWO-HOLE OPEN ANGLES							
CATALOG NUMBER	A	B		C		WEIGHT PER 100	
		in	mm	in	mm	lbs	kg
KK-1423	60°	3-3/8	85.7	1-7/8	47.6	58	26.3
KK-1425	45°	3	76.2	2-5/16	58.7	58	26.3
KK-1427	45°	3-1/4	82.6	2-1/16	52.4	58	26.3



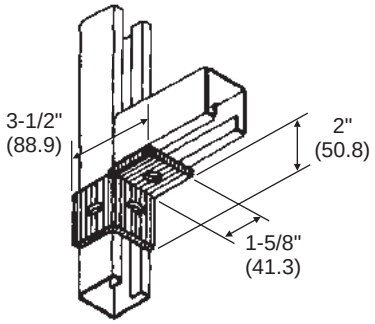
TWO-HOLE CLOSED ANGLES			
CATALOG NUMBER	A	WEIGHT PER 100	
		lbs	kg
KK-1463	60°	63	28.6
KK-1465	45°	63	28.6



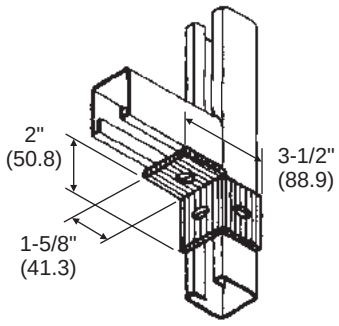
TWO-HOLE 45-DEGREE KNEE BRACES						
CATALOG NUMBER	A		B		WEIGHT PER 100	
	in	mm	in	mm	lbs	kg
KK-1472	12	304.8	10-1/8	257.2	170	77.1
KK-1473	16-5/8	415.9	13-3/8	339.7	230	104.3
KK-1474	18	457.2	14-3/8	365.1	238	108.6



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

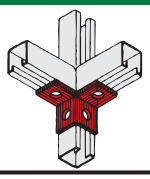


3-HOLE LEFT HAND CORNER CONNECTOR	
CATALOG NUMBER	WEIGHT PER 100
KK-1511	54 Lbs (24.5 Kg)



Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

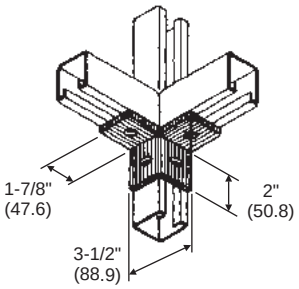
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



WING FITTINGS
STRUT FRAMING SYSTEMS

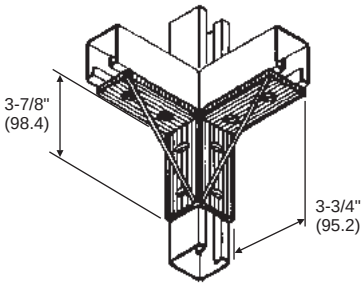
4-HOLE CORNER CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1512	71 Lbs (32.2 Kg)



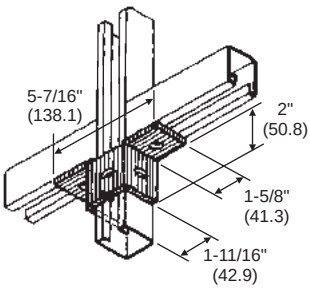
8-HOLE DOUBLE CORNER GUSSETTED CONN.

CATALOG NUMBER	WEIGHT PER 100
KK-1516	196 Lbs (88.9 Kg)



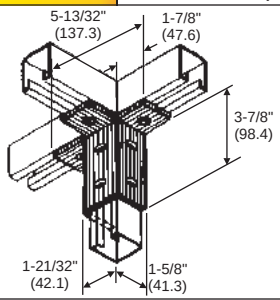
5-HOLE DOUBLE WING CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1513	95 Lbs (43.1 Kg)



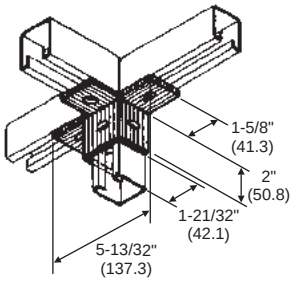
9-HOLE TRIPLE WING CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1517	177 Lbs (80.3 Kg)



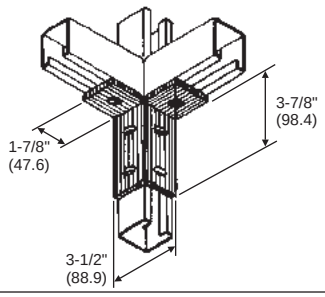
6-HOLE TRIPLE WING CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1514	110 Lbs (49.9 Kg)



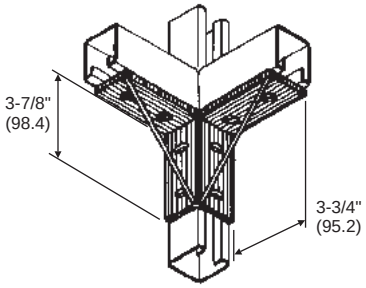
6-HOLE DOUBLE CORNER CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1518	110 Lbs (49.9 Kg)



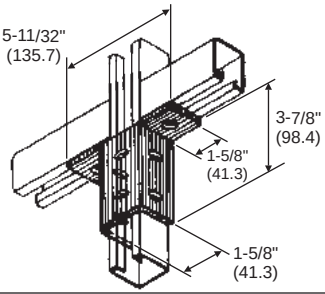
8-HOLE DOUBLE CORNER CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1515	152 Lbs (68.9 Kg)



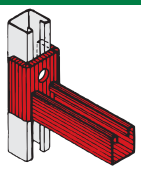
8-HOLE DOUBLE WING CONNECTOR

CATALOG NUMBER	WEIGHT PER 100
KK-1519	156 Lbs (70.8 Kg)



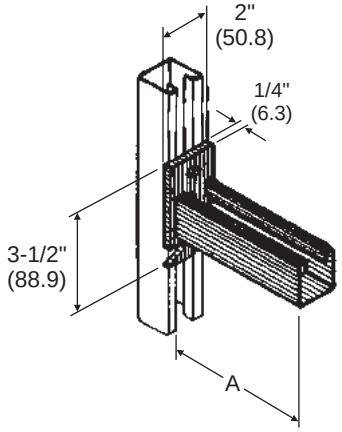
Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

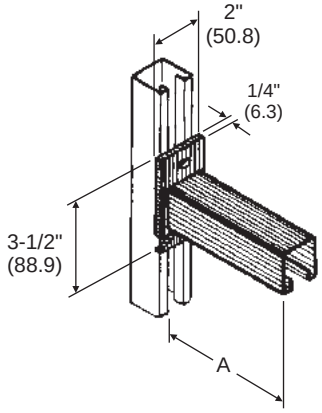


BRACKETS
STRUT FRAMING SYSTEMS

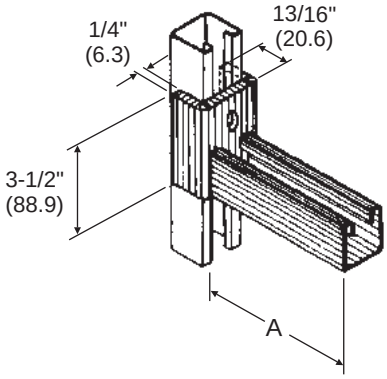
CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		PW-200	
	in	mm	lbs	kg	lbs	kN
KK-1631	6	152.4	151	68.5	1200	5.38
KK-1632	12	304.8	251	113.8	600	2.69
KK-1633	18	457.2	351	159.2	400	1.79
KK-1634	24	609.6	451	204.6	300	1.34



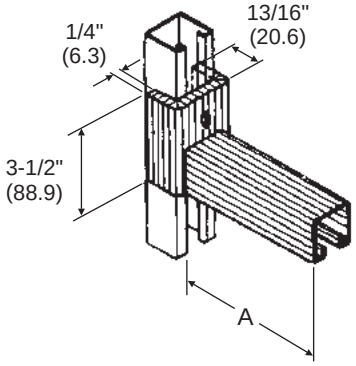
CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		PW-200	
	in	mm	lbs	kg	lbs	kN
KK-1635	6	152.4	151	68.5	720	3.23
KK-1636	12	304.8	251	113.8	360	1.61
KK-1637	18	457.2	351	159.2	240	1.07
KK-1638	24	609.6	451	204.6	180	0.81



CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		PW-200	
	in	mm	lbs	kg	lbs	kN
KK-1641	6	152.4	191	86.6	1600	7.17
KK-1642	12	304.8	292	132.4	800	3.58

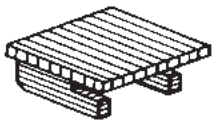


CHANNEL BRACKETS						
CATALOG NUMBER	A		WEIGHT PER 100		PW-200	
	in	mm	lbs	kg	lbs	kN
KK-1645	6	152.4	191	86.6	960	4.30
KK-1646	12	304.8	292	132.4	480	2.15



Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



HOW TO ORDER CANTILEVER BRACKETS

Example **CB2 150 H**

Select Cantilever Bracket

CB2	CB2 Cantilever Bracket
CB4	CB4 Cantilever Bracket
CB254	CB254 Cantilever Bracket
TB	KK-500 Trapeze Bracket

Select Length (mm)

150
165
300
450
600
750
900
915
1000

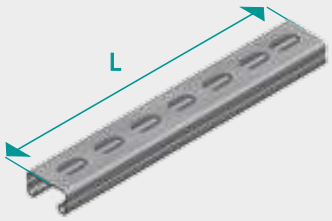
Select Finish

H	Hot Dip Galvanised
S	Stainless Steel
A	Aluminium
FRP	Fibre Reinforced Plastic
PG	Pre-Galvanised

TB KK-500 TRAPEZE BRACKET

Available Lengths/Details

Ordering Code	Suits Tray Width (mm)	Length - L (mm)	Number of Slots	Working Load (kg)
TB150	150	266	7	524
TB225	225	342	9	350
TB300	300	418	11	262
TB450	450	570	15	175
TB600	600	722	19	131

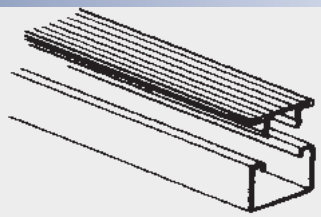


STRUT CHANNEL END CAP

Ordering Code	Size	Material
EC-001	41x21	PVC
EC-002	41x25	PVC
EC-003	41x41	PVC
EC-004	41x62	PVC
EC-005	41x82	PVC

All color available

STRUT CHANNEL COVER

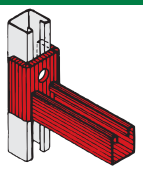


Ordering Code	Size	Material
STC-001	41x41/21	PVC

Color: White/Gray

Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

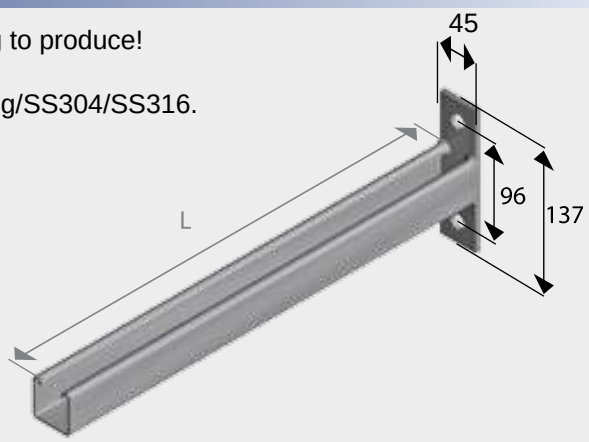
Standard Color: White/Black/Green/Blue/Yellow/Gray/Red are available.



CANTILEVER BRACKETS
STRUT FRAMING SYSTEMS

CB2 CANTILEVER BRACKET

We can according your required or dawing to produce!
All length are available !
Surface Finshed : EZ/HDG/Powder Coating/SS304/SS316.

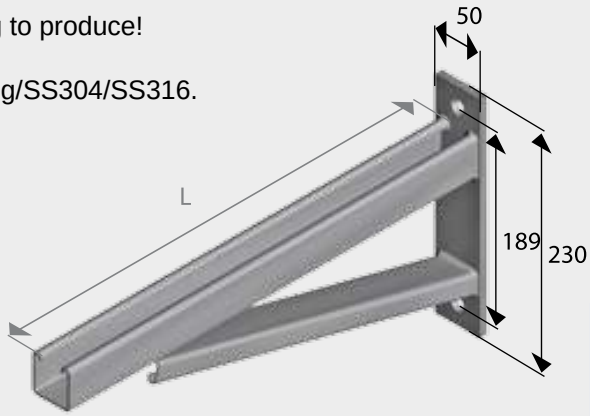


Ordering Code	Length - L (mm)	Working Load (kg)*
CB2-150	150	526
CB2-300	300	262
CB2-450	450	175
CB2-600	600	131
CB2-750	750	105
CB2-900	900	88

*Working Loads for Steel Cantilever Brackets shown

CB4 CANTILEVER BRACKET

We can according your required or dawing to produce!
All length are available !
Surface Finshed : EZ/HDG/Powder Coating/SS304/SS316.

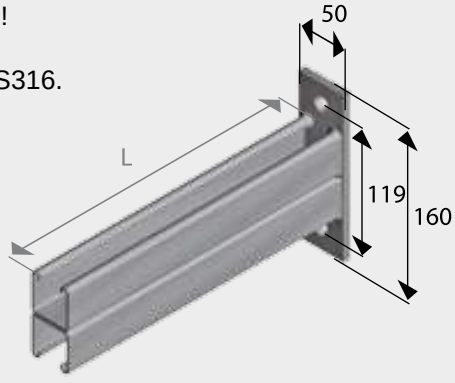


Ordering Code	Length - L (mm)	Working Load (kg)*
CB4-300	300	1000
CB4-450	450	350
CB4-600	600	345
CB4-750	750	294
CB4-900	900	150

*Working Loads for Steel Cantilever Brackets shown

CB254 CANTILEVER BRACKET

We can according your required or dawing to produce!
All length are available !
Surface Finshed : EZ/HDG/Powder Coating/SS304/SS316.



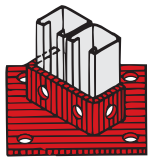
Ordering Code	Length - L (mm)	Working Load (kg)*
CB254-165	165	1349
CB254-300	300	770
CB254-450	450	527
CB254-600	600	400
CB254-750	750	330
CB254-900	900	275
CB254-915	915	270
CB254-1000	1000	195

*Working Loads for Steel Cantilever Brackets shown

Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.

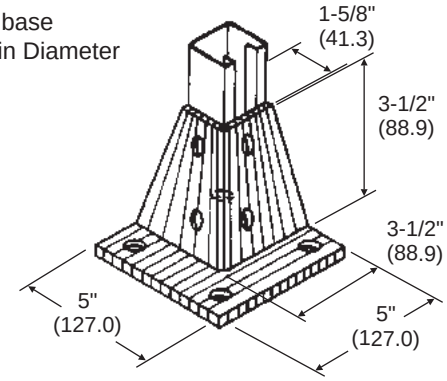
POST BASES
STRUT FRAMING SYSTEMS



EIGHT-HOLE POST BASE

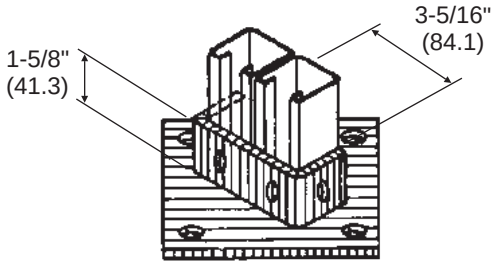
CATALOG NUMBER	WEIGHT PER 100
KK-1811	288 Lbs (130.6 Kg)

Holes in the base
7/16" (11.1) in Diameter



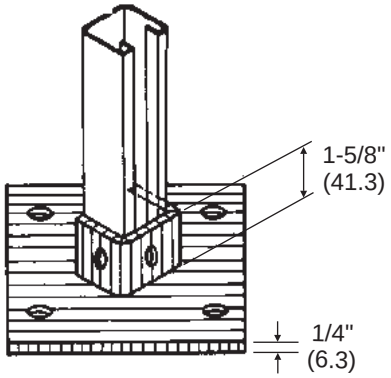
EIGHT-HOLE POST BASE

CATALOG NUMBER	WEIGHT PER 100
KK-1815	330 Lbs (149.7 Kg)



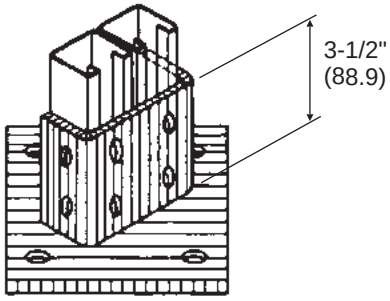
SEVEN-HOLE POST BASE

CATALOG NUMBER	WEIGHT PER 100
KK-1813	314 Lbs (142.4 Kg)



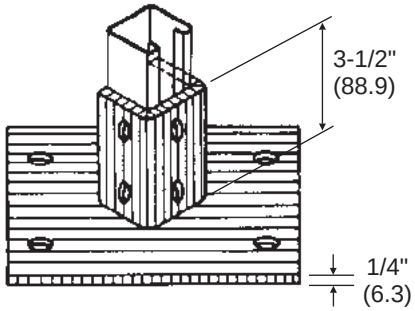
TWELVE-HOLE POST BASE

CATALOG NUMBER	WEIGHT PER 100
KK-1816	400 Lbs (181.4 Kg)

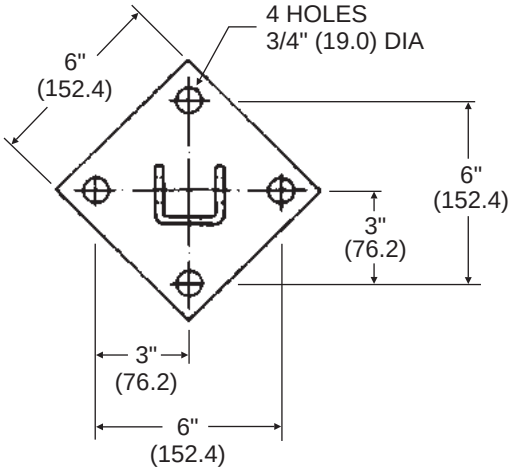


TEN-HOLE POST BASE

CATALOG NUMBER	WEIGHT PER 100
KK-1814	392 Lbs (177.8 Kg)

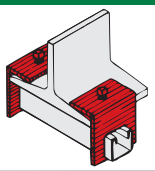


BASE PLATE



Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

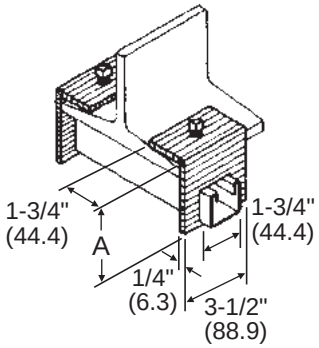
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



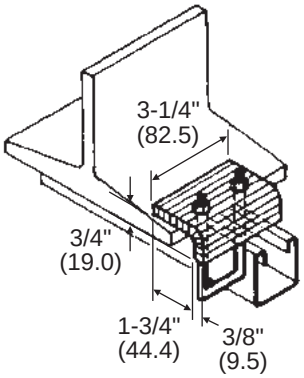
BEAM CLAMPS
STRUT FRAMING SYSTEMS

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
KK-1702	3-1/2	88.9	1-5/8	41.3	108	49.0	480	2.15
KK-1703	3-1/4	82.5	1-3/8	34.9	100	45.4	480	2.15
KK-1705	2-11/16	68.3	13/16	20.6	98	44.4	480	2.15

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

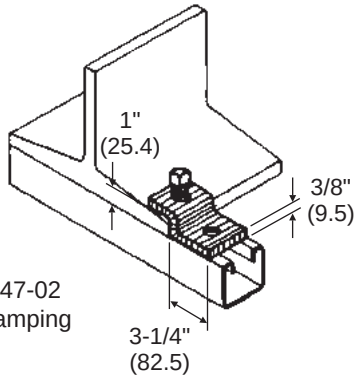


"U" BOLT BEAM CLAMPS					
CATALOG NUMBER	CHANNEL	LENGTH OF "U" BOLT in	LENGTH OF "U" BOLT mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1708	KK -150	5	127.0	91	41.3
KK-1709	KK -200	3-3/8	85.7	82	37.2



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

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

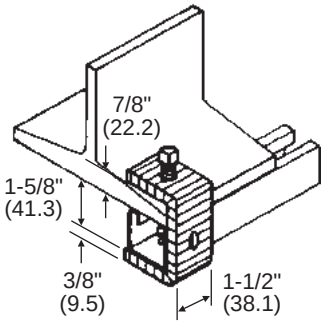


Clamp requires: DS-8547-02
Cap Screw &KK-2-8 Clamping
Nut (Order Separately)

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

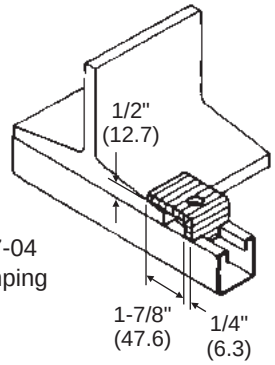
Recommended Load 1000 Lbs (4.48 kN) when used in pairs.

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



Clamp requires: DS-8547-02
Cap Screw &KK-2-8 Clamping
Nut (Order Separately)

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

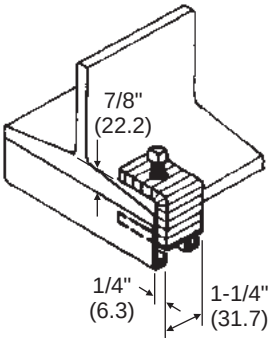


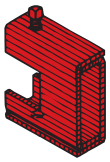
Clamp requires: DS-8547-04
Cap Screw &KK-2-8 Clamping
Nut (Order Separately)

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

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

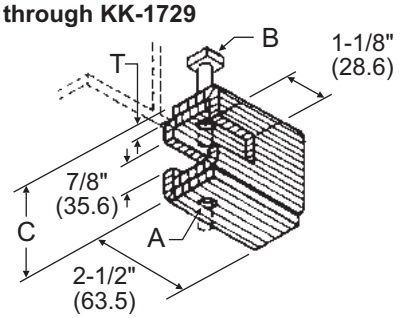
3/8"-16 x 1-1/2"
(9.5 x 38.1)
Set Screw Included



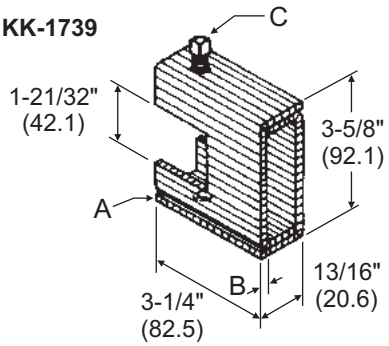


BEAM CLAMPS
STRUT FRAMING SYSTEMS

KK-1721 through KK-1729



KK-1731 through KK-1739



BEAM CLAMPS												
CATALOG NUMBER	A		T		B		C		WEIGHT PER 100		LOAD CAPACITY	
	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kN
KK-1721	1/4”-20	6.3	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	2-1/2	63.5	67	30.4	650	2.91
KK-1722	5/16”-18	7.9	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	2-1/2	63.5	67	30.4	650	2.91
KK-1723	3/8”-16	9.5	1/8	3.2	3/8 x 1-1/2	9.5 x 38.1	2-1/2	63.5	67	30.4	650	2.91
KK-1724	3/8”-16	9.5	3/16	4.8	1/2 x 1-1/2	12.7 x 38.1	2-1/2	63.5	100	45.4	1100	4.93
KK-1725	1/2”-13	12.7	3/16	4.8	1/2 x 1-1/2	12.7 x 38.1	2-1/2	63.5	100	45.4	1100	4.93
KK-1726	1/2”-13	12.7	1/4	6.3	1/2 x 1-1/2	12.7 x 38.1	2-1/2	63.5	130	59.0	1600	7.17
KK-1727	5/8”-11	15.9	1/4	6.3	1/2 x 1-1/2	12.7 x 38.1	2-1/2	63.5	130	59.0	1600	7.17
KK-1728	5/8”-11	15.9	5/16	7.9	5/8 x 1-1/2	15.9 x 38.1	2-1/2	63.5	160	72.6	2400	10.75
KK-1729	3/4”-10	19.0	5/16	7.9	5/8 x 1-1/2	15.9 x 38.1	2-1/2	63.5	160	72.6	2400	10.75

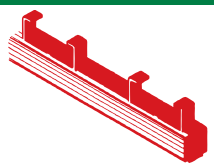
BEAM CLAMPS										
CATALOG NUMBER	A		B		C		WEIGHT PER 100		LOAD CAPACITY	
	in	mm	in	mm	in	mm	lbs	kg	lbs	kN
KK-1731	1/4”-20	6.3	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
KK-1732	5/16”-18	7.9	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
KK-1733	3/8”-16	9.5	1/8	3.2	3/8 x 2	9.5 x 50.8	105	47.6	800	3.58
KK-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
KK-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
KK-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
KK-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
KK-1738	5/8”-11	15.9	5/16	7.9	5/8 x 2	15.9 x 50.8	250	113.4	2800	12.54
KK-1739	3/4”-10	19.0	5/16	7.9	5/8 x 2	15.9 x 50.8	250	113.4	2800	12.54

Typical Dimensions: Thickness : Our standard is 6.0mm

Standard Finish: Electro-galvanized steel. HDG.Stainless steel are also available.

Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

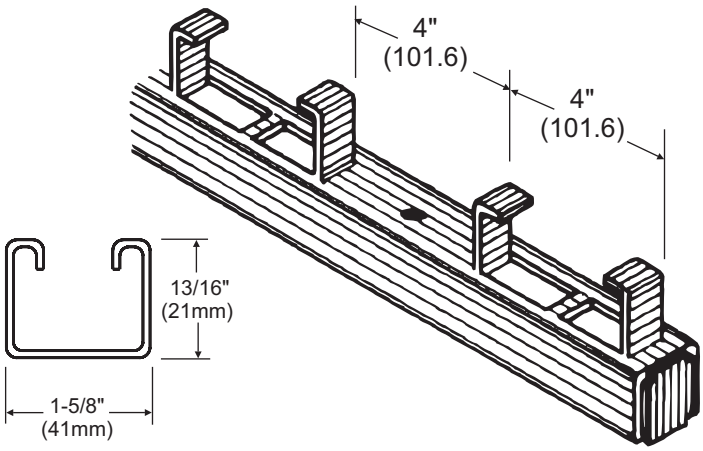
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



CONCRETE INSERTS
STRUT FRAMING SYSTEMS

Use EC-003 End Cap.

CONTINUOUS CONCRETE INSERT				
CATALOG NUMBER	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-3353	12	304.8	202	91.6
KK-3354	16	406.4	262	118.8
KK-3355	20	508.0	316	143.3
KK-3356	24	609.6	376	170.5
KK-3357	32	812.8	496	225.0
KK-3357A	36	914.4	556	252.2
KK-3358	40	1016.0	616	279.4
KK-3359	48	1219.2	736	333.8
KK-3360	60	1524.0	915	415.0
KK-3361	72	1828.8	1095	496.7
KK-3362	84	2133.6	1274	577.9
KK-3363	96	2438.4	1453	659.1
KK-3364	108	2743.2	1633	740.7
KK-3365	120	3048.0	1813	822.4
KK-3366	144	3657.6	2173	985.7
KK-3367	168	4267.2	2533	1149.0
KK-3368	192	4876.8	2893	1312.3
KK-3369	216	5486.4	3253	1475.6
KK-3370	240	6096.0	3613	1638.9



Thickness = 12 Gage (2.5mm)

Continuous concrete inserts are made from KK-500 channel. Use channel nuts designed for use in KK-500 channel.

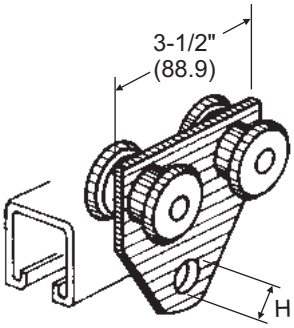
Concrete inserts should be secured to forms on 16" (406.4) to 24" (609.6) intervals.

Design load for KK-3353 through KK-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).

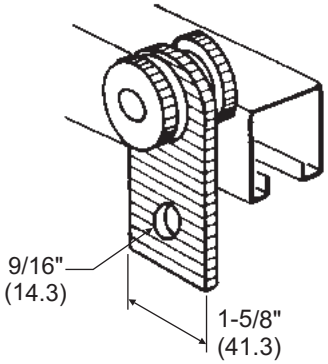
Styrofoam fillers are included with all concrete inserts.

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



Allowable load 600 lbs (2.67 kN) maximum.

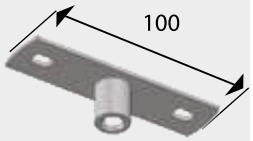
TWO WHEEL TROLLEY	
CATALOG NUMBER	WEIGHT PER 100
KK-2602	59 Lbs (26.8 Kg)



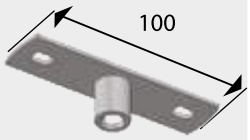
Allowable load 300 lbs (1.48 kN) maximum.

SUPPORT FITTINGS
STRUT FRAMING SYSTEMS

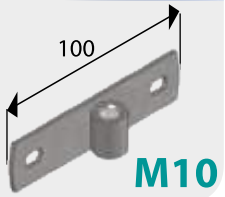
ECMP10 (M10)
HANGER W/L: 327kg



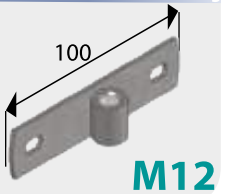
ECMP12 (M12)
HANGER W/L: 480kg



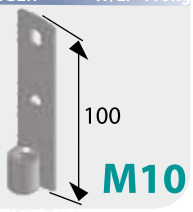
EHMP10 (M10)
HANGER W/L: 540kg



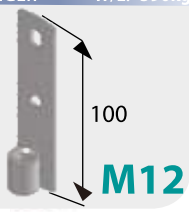
EHMP12 (M12)
HANGER W/L: 610kg



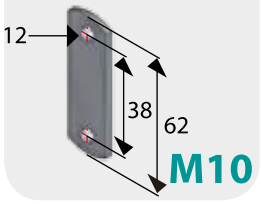
EVMP10 (M10)
HANGER W/L: 410kg



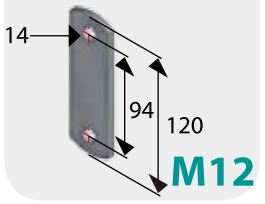
EVMP12 (M12)
HANGER W/L: 590kg



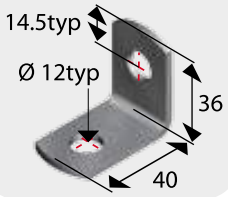
ELP 10-ZP (M10)
LINK PLATE



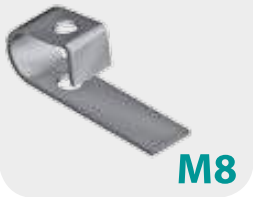
ELP 12-HDG (M12)
LINK PLATE



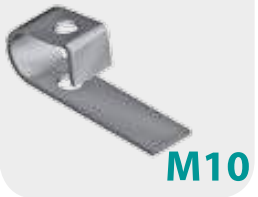
ESF90
SHORT FIXING 90°



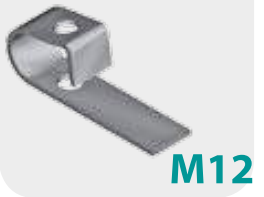
KK1716M8 (M8)
PURLIN CLIP



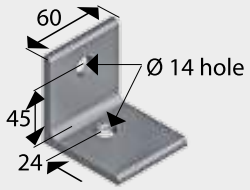
KK1717 M10 (M10)
PURLIN CLIP



KK1718 M12 (M12)
PURLIN CLIP

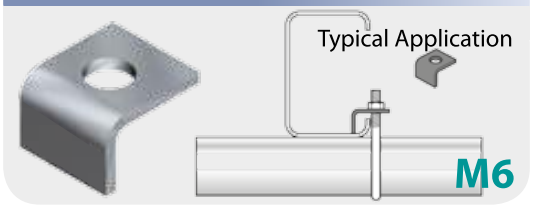


KK1719 ANGLE BRACKET
BEAM ATTACHMENT W/L: 600kg/3:1



Typical Application

KK1720M6 (M6)
PURLIN CLEAT



KK1721M10 (M10)
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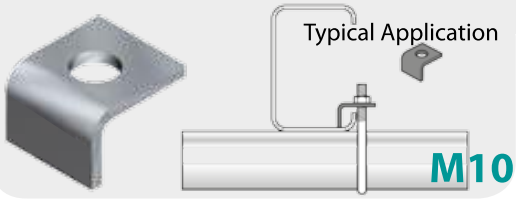
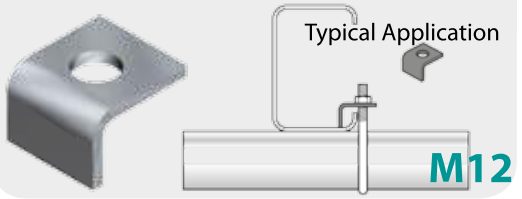
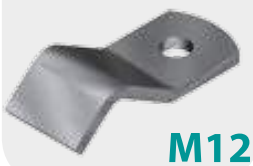


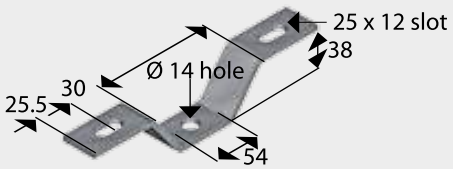
KK1722M12 (M12)
PURLIN CLEAT



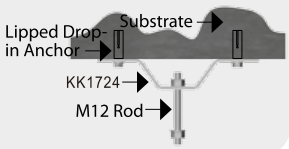
KK1723 (M12)
PURLIN CLIP



KK1724 'U' BRACKET
BEAM ATTACHMENT W/L: 1270kg/3:1

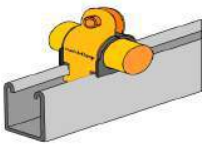


Typical Application



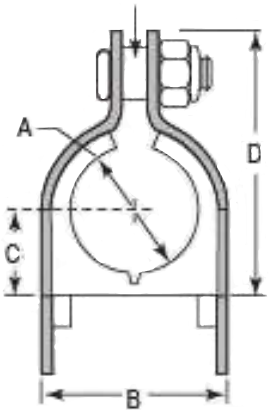
Typical Dimensions: Unless otherwise shown all fittings will be as follows: Width 1-5/8" (41.3); thickness 1/4" (6.3); hole diameter 9/16" (14.3); hole spacing 1-7/8" (47.6) on center and 13/16" (20.6) from end.

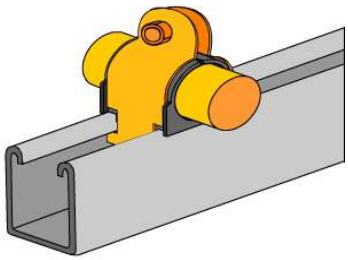
Standard Finish: Electro-galvanized steel,HDG,Powder Coating are available.



CUSHION CLAMPS
STRUT FRAMING SYSTEMS

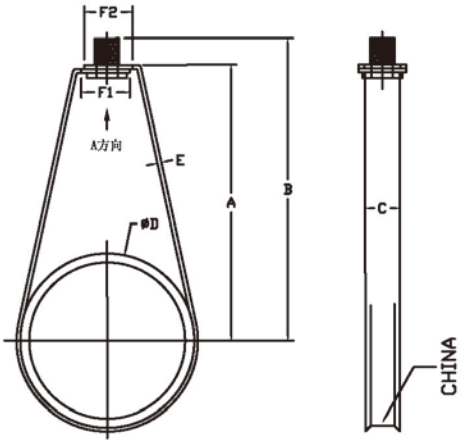
CUSHION CLAMPS							
Catalog Number	Tubing inch	COPPER WATER PIPE(Nom.)	Nom. Pipe Size	A	B	C	D
CC-1/4	1/4	--	--	0.25	0.62	0.27	0.98
CC-3/8	3/8	1/4	--	0.37	0.82	0.33	1.13
CC-1/2	1/2	3/8	--	0.50	0.94	0.40	1.34
CC-1/4-P	--	--	1/4	0.54	0.98	0.43	1.34
CC-5/8	5/8	1/2	–	0.62	1.06	0.46	1.54
CC-3/8-P	--	--	3/8	0.67	1.13	0.49	1.54
CC-3/4	3/4	5/8	--	0.75	1.20	0.52	1.68
CC-1/2-P	--	--	1/2	0.84	1.29	0.58	1.82
CC-7/8	7/8	3/4	--	0.87	1.31	0.58	1.82
CC-1	1	--	--	1.00	1.44	0.65	1.95
CC-3/4-P	--	--	3/4	1.05	1.57	0.70	2.08
CC-1 1/8	1-1/8	1	--	1.12	1.57	0.70	2.08
CC-1 1/4	1-1/4	--	--	1.25	1.70	0.77	2.21
CC-1-P	--	--	1	1.31	1.76	0.81	2.34
CC-1 3/8	1-3/8	1-1/4	--	1.37	1.82	0.83	2.34
CC-1/2	1-1/2	--	--	1.50	1.95	0.90	2.47
CC-1 5/8	1-5/8	1-1/2	--	1.62	2.07	0.96	2.60
CC-1 1/4-P	--	--	1-1/4	1.66	2.17	0.99	2.73
CC-1 3/4	1-3/4	--	--	1.75	2.20	1.02	2.73
CC-1 7/8	1-7/8	--	1-1/2	1.90	2.32	1.09	2.86
CC-2	2	--	--	2.00	2.45	1.15	3.04
CC-2 1/8	2-1/8	2	--	2.12	2.57	1.27	3.23
CC-2 1/4	2-1/4	--	--	2.37	2.82	1.41	3.67
CC-2 3/8	2-3/8	--	2	2.37	2.82	1.41	3.67
CC-2 1/2	2-1/2	--	--	2.50	2.94	1.46	3.79
CC-2 5/8	2-5/8	2-1/2	--	2.62	3.07	1.53	3.92
CC-2 7/8	2-7/8	--	2-1/2	2.87	3.32	1.66	4.17
CC-3	3	--	--	3.00	3.57	1.78	4.42
CC-3 1/8	3-1/8	3	--	3.12	3.57	1.78	4.42
CC-3 5/16	3-5/16	--	--	3.31	3.96	1.90	4.75
CC-3 1/2	3-1/2	--	3	3.50	3.95	1.97	4.79
CC-3 5/8	3-5/8	3-1/2	--	3.62	4.20	2.03	5.11
CC-4	4	--	3-1/2	4.00	4.45	2.28	5.11
CC-4 1/8	4-1/8	4	--	4.12	4.57	2.34	5.54
CC-4 5/16	4-5/16	--	--	4.34	4.96	2.40	5.84
CC-4 1/2	4-1/2	--	4	4.50	4.95	2.53	5.92
CC-5 1/8	5-1/8	5	--	5.12	5.57	2.84	6.54
CC-5-P	--	--	5	5.56	6.01	3.06	6.92
CC-6	6	--	--	6.00	6.57	3.34	7.54
CC-6 1/8	6-1/8	6	--	6.12	6.57	3.34	7.54





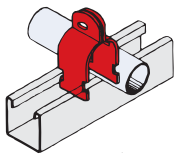
NOTE:Tubing size is the outside diameter of the pipe
Nom.pipe size is the inside diameter of the pipe

LOOP HANGER
STRUT FRAMING SYSTEMS



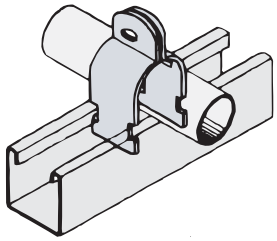
LOOP HANGER							
Catalog Number	Pipe Size (in)	A(mm)	B(mm)	Nut		C*E(mm)	ΦD(mm)
KK-LH015	1/2	41.50	54.50	3/8		16*1.2	21.30
KK-LH020	3/4	45.34	60.50	3/8		16*1.2	27.20
KK-LH025	1	47.73	64.16	3/8		16*1.2	34.00
KK-LH032	1-1/4	54.31	70.74	3/8		16*1.2	42.70
KK-LH040	1-1/2	57.58	74.01	3/8		16*1.2	48.60
KK-LH050	2	66.16	82.59	3/8		16*1.2	60.50
KK-LH065	2-1/2	88.69	104.50	3/8		22*1.5	73.00
KK-LH080	3	96.12	112.50	3/8		22*1.5	89.10
KK-LH090	3-1/2	100.50	120.50	3/8		22*1.5	101.60
KK-LH100	4	110.70	126.90	3/8		22*1.5	114.30
KK-LH125	5	135.70	145.50	1/2		19*2	141.30
KK-LH150	6	154.10	173.20	1/2		19*2	168.30
KK-LH200	8	192.40	211.50	1/2		19*2.5	219.10

PIPE CLAMPS
STRUT FRAMING SYSTEMS



THINWALL CONDUIT (EMT) CLAMPS

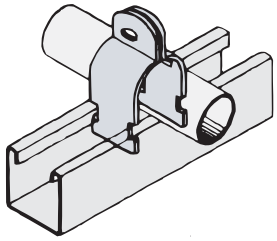
CATALOG NUMBER	OD SIZE in	OD SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	THICK mm	SLOTTED HEX CAP SCREW in	SLOTTED HEX CAP SCREW mm
KK-2025	3/8	14.7	9	4.1	1.5	1/4 x 3/4	6.3 x 19.0
KK-2026	1/2	17.9	11	5.0	1.5	1/4 x 3/4	6.3 x 19.0
KK-2028	3/4	23.4	12	5.4	1.5	1/4 x 3/4	6.3 x 19.0
KK-2030	1	29.5	15	6.8	2.0	1/4 x 3/4	6.3 x 19.0
KK-2032	1-1/4	38.4	18	8.2	2.0	1/4 x 3/4	6.3 x 19.0
KK-2034	1-1/2	44.2	29	13.1	2.0	5/16 x 1	7.9 x 25.4
KK-2038	2	55.8	33	15.0	2.5	5/16 x 1	7.9 x 25.4



Includes Slotted Indented Hex Head Cap Screw and Kep Nut.

UNIVERSAL CLAMP SERIES

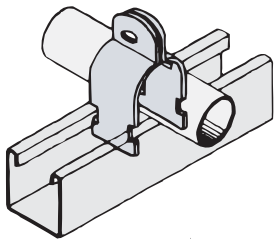
CATALOG NUMBER	OD SIZE in	OD SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	THICK mm	SLOTTED HEX CAP SCREW in	SLOTTED HEX CAP SCREW mm
KK-2055	3/8	16.4	9	4.1	1.5	5/16 x 1-1/4	7.9 x 31.7
KK-2056	1/2	19.5	11	5.0	1.5	5/16 x 1-1/4	7.9 x 31.7
KK-2058	3/4	24.9	12	5.4	1.5	5/16 x 1-1/4	7.9 x 31.7
KK-2060	1	31.4	15	6.8	2.0	5/16 x 1-1/4	7.9 x 31.7
KK-2062	1-1/4	40.2	15	8.2	2.0	5/16 x 1-1/4	7.9 x 31.7
KK-2064	1-1/2	46.2	29	13.1	2.0	5/16 x 1-1/4	7.9 x 31.7
KK-2068	2	58.0	33	15.0	2.5	5/16 x 1-1/4	7.9 x 31.7



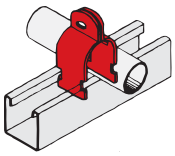
Includes Slotted Indented Hex Head Cap Screw and Kep Nut.

RIGID CONDUIT OR PIPE CLAMPS

CATALOG NUMBER	OD SIZE in	OD SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg	THICK mm	SLOTTED HEX CAP SCREW in	SLOTTED HEX CAP SCREW mm
KK-2125	3/8	17.1	10	4.5	1.5	1/4 x 3/4	6.3 x 19.0
KK-2126	1/2	21.3	11	5.0	1.5	1/4 x 3/4	6.3 x 19.0
KK-2128	3/4	26.7	15	6.8	1.5	1/4 x 3/4	6.3 x 19.0
KK-2130	1	33.4	17	7.7	2.0	1/4 x 3/4	6.3 x 19.0
KK-2132	1-1/4	42.2	19	8.6	2.0	1/4 x 3/4	6.3 x 19.0
KK-2134	1-1/2	48.3	29	13.1	2.0	5/16 x 1	7.9 x 25.4
KK-2138	2	60.3	34	15.4	2.5	5/16 x 1	7.9 x 25.4
KK-2142	2-1/2	73.0	40	18.1	2.5	5/16 x 1	7.9 x 25.4
KK-2146	3	88.9	47	21.3	2.5	5/16 x 1	7.9 x 25.4
KK-2150	3-1/2	101.6	62	28.1	3.0	3/8 x 1	9.5 x 25.4
KK-2154	4	114.3	67	30.4	3.0	3/8 x 1-1/4	9.5 x 31.7
KK-2162	5	141.3	80	36.3	3.0	3/8 x 1-1/4	9.5 x 31.7
KK-2170	6	168.3	102	46.3	3.0	3/8 x 1-1/4	9.5 x 31.7
KK-2174	8	219.1	116	52.6	3.5	3/8 x 1-1/4	9.5 x 31.7

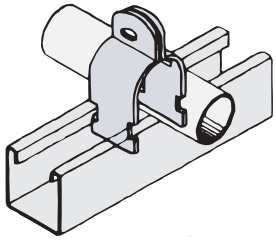


Includes Slotted Indented Hex Head Cap Screw and Kep Nut.



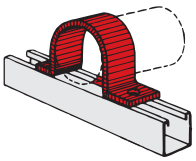
PIPE CLAMPS
STRUT FRAMING SYSTEMS

O.D. TUBING CLAMPS							
CATALOG NUMBER	NOMINAL SIZE in	mm	WEIGHT PER 100 lbs	kg	GAGE	SLOTTED HEX CAP SCREW in	mm
KK-2224	1/4	6.3	8	3.6	16	1/4 x 3/4	6.3 x 19.0
KK-2225	3/8	9.5	8	3.6	16	1/4 x 3/4	6.3 x 19.0
KK-2226	1/2	12.7	9	4.1	16	1/4 x 3/4	6.3 x 19.0
KK-2227	5/8	15.9	10	4.5	16	1/4 x 3/4	6.3 x 19.0
KK-2228	3/4	19.0	11	5.0	16	1/4 x 3/4	6.3 x 19.0
KK-2229	7/8	22.2	12	5.4	16	1/4 x 3/4	6.3 x 19.0
KK-2230	1	25.4	14	6.3	14	1/4 x 3/4	6.3 x 19.0
KK-2231	1-1/8	28.6	15	6.8	14	1/4 x 3/4	6.3 x 19.0
KK-2232	1-1/4	31.7	16	7.3	14	1/4 x 3/4	6.3 x 19.0
KK-2233	1-3/8	34.9	17	7.7	14	1/4 x 3/4	6.3 x 19.0
KK-2234	1-1/2	38.1	18	8.2	14	1/4 x 3/4	6.3 x 19.0
KK-2235	1-5/8	41.3	19	8.6	14	1/4 x 3/4	6.3 x 19.0
KK-2034	1-3/4	44.4	29	13.1	12	5/16 x 1	7.9 x 25.4
KK-2237	1-7/8	47.6	28	12.7	12	5/16 x 1	7.9 x 25.4
KK-2238	2	50.8	31	14.1	12	5/16 x 1	7.9 x 25.4
KK-2239	2-1/8	54.0	32	14.5	12	5/16 x 1	7.9 x 25.4
KK-2240	2-1/4	57.1	33	15.0	12	5/16 x 1	7.9 x 25.4
KK-2138	2-3/8	60.3	34	15.4	12	5/16 x 1	7.9 x 25.4
KK-2242	2-1/2	63.5	35	15.9	12	5/16 x 1	7.9 x 25.4
KK-2243	2-5/8	66.7	37	16.8	12	5/16 x 1	7.9 x 25.4
KK-2044	2-3/4	69.9	38	17.2	12	5/16 x 1	7.9 x 25.4
KK-2142	2-7/8	73.0	40	18.1	12	5/16 x 1	7.9 x 25.4
KK-2246	3	76.2	41	18.6	12	5/16 x 1	7.9 x 25.4
KK-2247	3-1/8	79.4	43	19.5	12	5/16 x 1	7.9 x 25.4
KK-2248	3-1/4	82.6	45	20.4	12	5/16 x 1	7.9 x 25.4
KK-2149	3-3/8	85.7	46	20.9	12	5/16 x 1	7.9 x 25.4
KK-2146	3-1/2	88.9	47	21.3	12	5/16 x 1	7.9 x 25.4
KK-2251	3-5/8	92.1	56	25.4	11	3/8 x 1-1/4	9.5 x 31.7
KK-2252	3-3/4	95.3	58	26.3	11	3/8 x 1-1/4	9.5 x 31.7
KK-2253	3-7/8	98.4	60	27.2	11	3/8 x 1-1/4	9.5 x 31.7
KK-2150	4	101.6	62	28.1	11	3/8 x 1-1/4	9.5 x 31.7
KK-2255	4-1/8	104.8	62	28.1	11	3/8 x 1-1/4	9.5 x 31.7
KK-2256	4-1/4	108.0	64	29.0	11	3/8 x 1-1/4	9.5 x 31.7
KK-2257	4-3/8	111.1	66	29.9	11	3/8 x 1-1/4	9.5 x 31.7
KK-2154	4-1/2	114.3	67	30.4	11	3/8 x 1-1/4	9.5 x 31.7
KK-2259	4-5/8	117.5	70	31.7	11	3/8 x 1-1/4	9.5 x 31.7
KK-2260	4-3/4	120.6	72	32.7	11	3/8 x 1-1/4	9.5 x 31.7
KK-2261	4-7/8	123.8	73	33.1	11	3/8 x 1-1/4	9.5 x 31.7
KK-2162	5	127.0	74	33.6	11	3/8 x 1-1/4	9.5 x 31.7
KK-2263	5-1/8	130.2	76	34.5	11	3/8 x 1-1/4	9.5 x 31.7
KK-2264	5-1/4	133.3	77	34.9	11	3/8 x 1-1/4	9.5 x 31.7
KK-2265	5-3/8	136.5	78	35.4	11	3/8 x 1-1/4	9.5 x 31.7
KK-2266	5-1/2	139.7	79	35.8	11	3/8 x 1-1/4	9.5 x 31.7
KK-2267	5-5/8	142.9	88	39.9	10	3/8 x 1-1/4	9.5 x 31.7
KK-2268	5-3/4	146.0	90	40.8	10	3/8 x 1-1/4	9.5 x 31.7
KK-2269	5-7/8	149.2	92	41.7	10	3/8 x 1-1/4	9.5 x 31.7
KK-2170	6	152.4	92	41.7	10	3/8 x 1-1/4	9.5 x 31.7

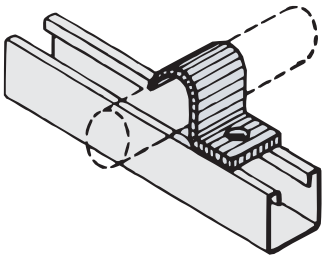


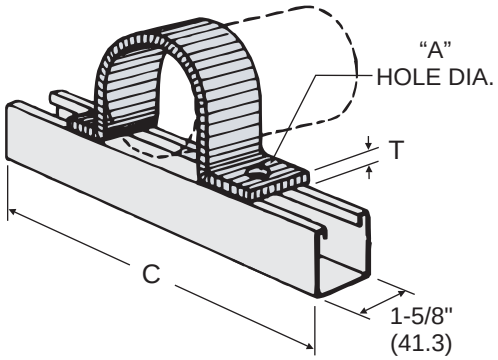
Includes Slotted Hex Head Cap Screw and Kep Nut.

TUBING CLAMPS & PIPE STRAPS
STRUT FRAMING SYSTEMS



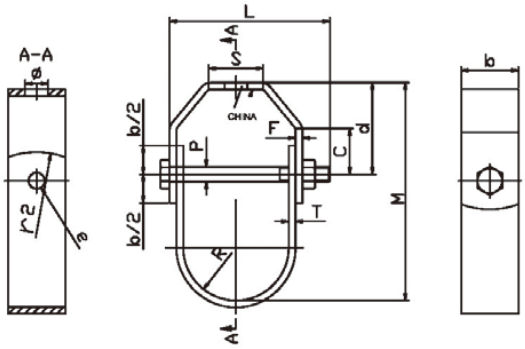
ONE-HOLE O.D. TUBING CLAMPS				
CATALOG NUMBER	O.D. TUBE SIZE in	mm	WEIGHT PER 100 lbs	kg
KK-3724	1/4	6.3	4	1.8
KK-3724A	5/16	7.9	5	2.3
KK-3725	3/8	9.5	5	2.3
KK-3726	1/2	12.7	6	2.7
KK-3727	5/8	15.9	8	3.6
KK-3728	3/4	19.0	9	4.1
KK-3729	7/8	22.2	10	4.5
KK-3730	1	25.4	11	5.0





STANDARD PIPE STRAPS										
CATALOG NUMBER	PIPE SIZE in	mm	"C" LENGTH in	mm	"T" THICKNESS in	mm	"A" HOLE SIZE in	mm	WEIGHT PER 100 lbs	kg
KK-3826	1/2	12.7	3	76.2	1/8	3.2	9/32	7.1	24	10.9
KK-3828	3/4	19.0	3-1/4	82.6	1/8	3.2	9/32	7.1	28	12.7
KK-3830	1	25.4	3-9/16	90.5	1/8	3.2	9/32	7.1	32	14.5
KK-3832	1-1/4	31.7	3-13/16	96.8	1/8	3.2	9/32	7.1	35	15.9
KK-3834	1-1/2	38.1	4-1/16	103.2	1/8	3.2	9/32	7.1	40	18.1
KK-3838	2	50.8	5-13/16	147.6	1/4	6.3	7/16	11.1	95	43.1
KK-3842	2-1/2	63.5	6-1/4	158.7	1/4	6.3	7/16	11.1	116	52.6
KK-3846	3	76.2	7	177.8	1/4	6.3	7/16	11.1	135	61.2
KK-3850	3-1/2	88.9	7-7/8	200.0	1/4	6.3	7/16	11.1	155	70.3
KK-3854	4	101.6	8	203.2	1/4	6.3	7/16	11.1	180	81.6
KK-3862	5	127.0	9-1/8	231.8	1/4	6.3	7/16	11.1	195	88.4
KK-3870	6	152.4	10-5/16	261.9	1/4	6.3	7/16	11.1	240	108.9

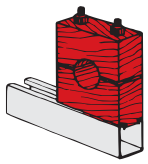
CLEVIS HANGER
STRUT FRAMING SYSTEMS

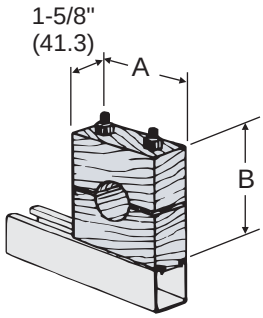


CLEVIS HANGER							
Catalog Number	Pipe Size	M(mm)	Φ	d(mm)	C(mm)	S(mm)	T*b(mm)
KK-CH020	3/4	82.5	11	46	20	24	2.5*22.5
KK-CH025	1	99	11	56.5	20	24	2.5*22.5
KK-CH032	1-1/4	106	11	54	23	24	2.5*22.5
KK-CH040	1-1/2	107	11	40	23	24	2.5*22.5
KK-CH050	2	126	11	56	21	25	2.5*22.5
KK-CH065	2-1/2	156	14	69	15	32	3*26
KK-CH080	3	169	14	53	15	32	3*26
KK-CH090	3-1/2	165	14	51	20	34	4*30
KK-CH100	4	200	17	72.5	20	45	4*30
KK-CH125	5	231	17	76	24	50	4.5*32
KK-CH150	6	260	20	77	21	50	4.5*36.5
KK-CH200	8	329	20	90	28	57	4.5*42.5
KK-CH250	10	381	23.7	84	30	54	6*44.5
KK-CH300	12	457	23.7	104.5	48	57	6*50
KK-CH350	14	514	27	123	38	94	6*50
KK-CH400	16	560	27	119	50	90	6*64
KK-CH450	18	638	32	135	50	105	6.5*64
KK-CH500	20	695	33.2	135	58	180	8*76
KK-CH600	24	803	33.2	155	58	215	8*76

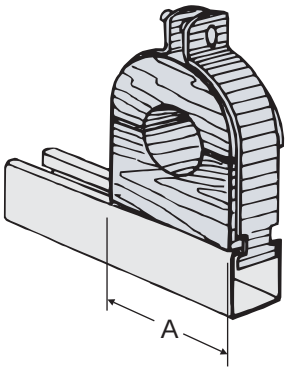
SEISMIC ROD STIFFENER							
CATALOG NUMBER	BOLT SIZE in	BOLT SIZE mm	THICKNESS mm	STUD LENGTH in	STUD LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
RS9010-M10	N/A	M10	9		30	25	6.6
RS9010-M12	N/A	M12	9		30	70	8.1

MAPLE CLAMPS
STRUT FRAMING SYSTEMS





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
KK-2820	0 - 1	0 - 25.4	3-1/2	88.9	3-1/2	88.9	3/8"-16x6	68	30.8
KK-2821	1 - 1-1/2	25.4 - 38.1	4	101.6	4	101.6	3/8"-16x6	88	39.9
KK-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
KK-2823	2 - 2-1/2	50.8 - 63.5	5-1/2	139.7	5-1/2	139.7	3/8"-16x8	146	66.2
KK-2824	2-1/2 - 3	63.5 - 76.2	6	152.4	6	152.4	3/8"-16x8	188	85.3
KK-2825	3 - 3-1/2	76.2 - 88.9	6-1/2	165.1	6-1/2	165.1	3/8"-16x9	223	101.1
KK-2826	3-1/2 - 4	88.9 - 101.6	7	177.8	7	177.8	3/8"-16x9	259	117.5
KK-2827	4 - 4-1/2	101.6 - 114.3	8	203.2	7-1/2	190.5	3/8"-16x10	276	125.2

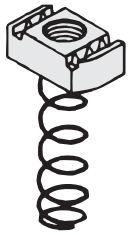


MAPLE CABLE CLAMPS							
CATALOG NUMBER	HOLE SIZE in	HOLE SIZE mm	"A" LENGTH in	"A" LENGTH mm	PIPE CLAMP INCLUDED	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-2870	0 - 5/8	0 - 15.9	1	25.4	130	24	10.9
KK-2871	1/2 - 1	12.7 - 25.4	1-1/2	38.1	134	43	19.5
KK-2872	3/4 - 1-1/2	19.0 - 38.1	2	50.8	138	54	24.5
KK-2873	1-1/4 - 1-3/4	31.7 - 44.4	2-1/2	63.5	142	66	29.9
KK-2874	1-1/2 - 2-1/4	38.1 - 57.1	3	76.2	146	85	38.6
KK-2875	2 - 2-1/2	50.8 - 63.5	3-1/2	88.9	150	108	49.0
KK-2876	2-1/4 - 3	57.1 - 76.2	4	101.6	154	123	55.8
KK-2877	3 - 4	76.2 - 101.6	5	127.0	162	163	73.9

CHANNEL NUTS
STRUT FRAMING SYSTEMS

CLAMPING NUT WITH LONG SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-1-4	1/4	M6	20	1/4	6.3	7.5	3.4
KK-1-6	5/16	M8	18	3/8	9.5	9.7	4.4
KK-1-8	3/8	M10	16	3/8	9.5	10.0	4.5
KK-1-10	1/2	M12	13	1/2	12.7	12.0	5.4
KK-1-12	5/8	M16	11	7/16	11.1	16.0	7.3



For KK-100 and KK-150 Channels,Spring Length : 60mm

CLAMPING NUT WITH REGULAR SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-2-0832	#8	N/A	32	1/4	6.3	7.5	3.4
KK-2-1032	#10	N/A	32	1/4	6.3	7.5	3.4
KK-2-1024	#10	N/A	24	1/4	6.3	7.5	3.4
KK-2-4	1/4	M6	20	1/4	6.3	7.5	3.4
KK-2-5	5/16	M8	18	3/8	9.5	9.7	4.4
KK-2-6	3/8	M10	16	3/8	9.5	10.0	4.5
KK-2-8	1/2	M12	13	1/2	12.7	11.5	5.2
KK-2-10	5/8	M16	11	7/16	11.1	15.0	5.0
KK-2-12	3/4	M20	10	7/16	11.1	15.0	5.0

For KK-200, KK-210, and KK-300 Channels,Spring Length : 40mm

CLAMPING NUT WITH SHORT SPRING

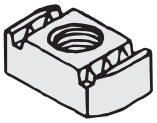
CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-5-0832	#8	N/A	32	1/4	6.3	7.5	3.4
KK-5-1032	#10	N/A	32	1/4	6.3	7.5	3.4
KK-5-1024	#10	N/A	24	1/4	6.3	7.5	3.4
KK-5-4	1/4	M6	20	1/4	6.3	7.5	3.4
KK-5-5	5/16	M8	18	3/8	9.5	8.7	3.9
KK-5-6	3/8	M10	16	3/8	9.5	9.0	4.1
KK-5-8	1/2	M12	13	3/8	9.5	8.2	3.7

For KK-400, KK-500, KK-800, and KK-900 Channels,Spring Length : 20mm

CLAMPING NUT WITHOUT SPRING

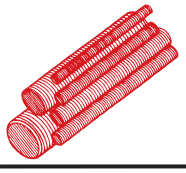
CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-3-0832	#8	N/A	32	1/4	6.3	6.5	2.9
KK-3-1032	#10	N/A	32	1/4	6.3	6.5	2.9
KK-3-1024	#10	N/A	24	1/4	6.3	6.5	2.9
KK-3-4	1/4	M6	20	1/4	6.3	6.5	2.9
KK-3-5	5/16	M8	18	3/8	9.5	8.7	3.9
KK-3-6	3/8	M10	16	3/8	9.5	9.0	4.1
KK-3-8	1/2	M12	13	1/2	12.7	10.6	4.8
KK-3-10	5/8	M16	11	7/16	11.1	14.0	6.3
KK-3-12	3/4	M20	10	7/16	11.1	14.0	6.3
KK-4-8*	1/2	12.7	13	3/8	9.5	8.5	3.9

*Use with KK-400 and KK-500



For KK-100,KK-150,KK-200,KK-210,
KK-300,KK-800, and KK-900 Channels

CHANNEL NUTS & THREADED RODS
STRUT FRAMING SYSTEMS



MINI-NUT WITH STANDARD SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-6-0836	#8	N/A	36	.150	3.8	1.0	0.4
KK-6-0832	#8	N/A	32	.150	3.8	1.0	0.4
KK-6-1032	#10	N/A	32	.150	3.8	1.0	0.4
KK-6-1024	#10	N/A	24	.150	3.8	1.0	0.4
KK-6-4	1/4	6.3	20	.150	3.8	1.0	0.4

MINI-NUT WITH SHORT SPRING

CATALOG NUMBER	SIZE in	SIZE mm	THREAD	THICKNESS in	THICKNESS mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-7-0836	#8	N/A	36	.150	3.8	1.0	0.4
KK-7-0832	#8	N/A	32	.150	3.8	1.0	0.4
KK-7-1032	#10	N/A	32	.150	3.8	1.0	0.4
KK-7-1024	#10	N/A	24	.150	3.8	1.0	0.4
KK-7-4	1/4	6.3	20	.150	3.8	1.0	0.4

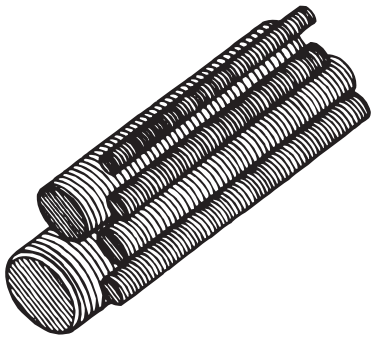
PULL-OUT AND SLIP LOAD DATA

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
KK-200	KK-2-8	1500	680	900	408	2000	907	1200	544
KK-210	KK-2-8	1200	544	600	272	1500	680	900	408
KK-300	KK-2-8	1500	680	900	408	2000	907	1200	544
KK-500	KK-5-8	1000	454	600	272	1000	454	600	272

THREADED ROD

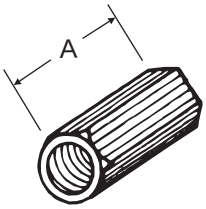
CATALOG NUMBER	DIA. SIZE in	DIA. SIZE mm	THREAD	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-0254-12	1/4	M6	20	12	5.4
KK-0255-12	5/16	M8	18	18	8.1
KK-0256-12	3/8	M10	16	30	13.6
KK-0257-12	1/2	M12	13	52	23.6

Standard Length is 12'-0"



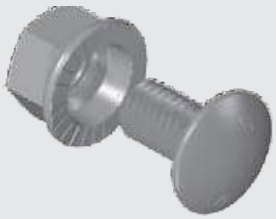
ROD COUPLERS

CATALOG NUMBER	DIA. SIZE in	DIA. SIZE mm	THREAD	"A" LENGTH in	"A" LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
KK-0237-02	1/4	M6	20	7/8	22.2	2	0.9
KK-0237-03	5/16	M8	18	7/8	22.2	2	0.9
KK-0237-04	3/8	M10	16	1-3/4	44.4	11	5.0
KK-0237-05	1/2	M12	13	1-3/4	44.4	11	5.0
KK-0237-06	5/8	M16	11	2-1/8	54.0	16	7.3
KK-0237-07	3/4	M20	10	2-1/4	57.1	28	12.7



SHANK BOLT AND FLANGE NUT
STRUT FRAMING SYSTEMS

Shank Bolt & Flange Nut **Wt: 0.03kg**



ORDERING DETAILS
Both items are ordered separately.

KOKA Splice Bolts have a smooth head to eliminate the risk of sheathing the cable during installation.

Purpose made Counterbore Nuts ensure that full tension is achieved during installation.

1/4(M6)、5/16(M8)、3/8(M10)、1/2(M12)Are also available.

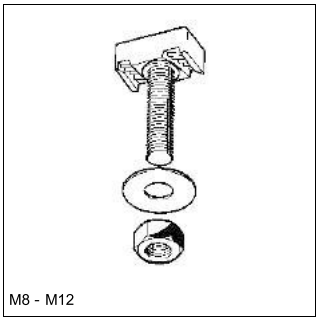
All length are available ,Customizable.

Shank Bolt & Flange Nut **Wt: 0.03kg**

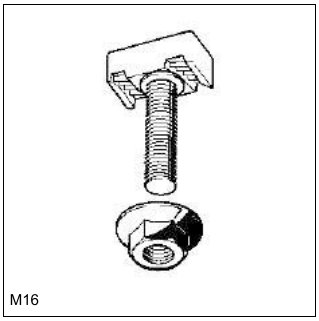
ORDERING DETAILS
Both items are ordered separately.

KOKA Splice Bolts have a smooth head to eliminate the risk of sheathing the cable during installation.

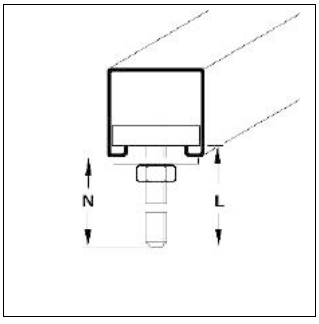
AVAILABLE FINISH	ORDERING CODE
Hot Dip Galvanised	**HDG**
Stainless Steel	**SS304/SS316**
Electro Galvanised	**EG**



M8 - M12



M16



T-HEAD BOLT TBO KK 41

Application
Suitable for Channels.

Scope of delivery
With washer and nut (supplied loose).

Technical Data

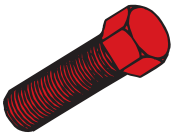
Type	Tightening moment M_{dmax} [Nm]	Permissible load (tension) [kN]	Permissible axial load in combination with serrated channels[1] [kN]	Permissible bending moment [2] [Nm]
KK 41 M8	10.0	5.8	1.5	5.0
KK 41 M10	18.0	9.3	2.5	10.0
KK 41 M12	32.0	10.0	3.0	17.5
KK 41 M16	79.0	10.0	3.0	44.5

1) The values indicated refer to the point of application of force being near the top edge of the channel. In cases where tension and lateral tension are encountered, the resultant total load may not be greater than the values given.

2) The effective bending moment may not exceed the permissible maximum torsional moment of the channel.

Material:
Head: Steel class 5.6, cold-forged, electro-galvanised
Bolt: Steel class 4.6, electro-galvanised

Part No:	Length(mm)	Size	Flat Washer	Finished
TBO-0835	35	M8	8.5x40x3.0	EG/HDG
TBO-1035	35	M10	10.5x40x3.0	EG/HDG
TBO-1235	35	M12	12.5x40x3.0	EG/HDG
	All Length and size Available			



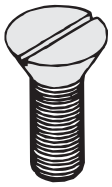
SCREWS
STRUT FRAMING SYSTEMS

HEX HEAD CAP SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8003-03	1/4	6.3	1/2	12.7	1.0	0.4
DS-8003-01	1/4	6.3	3/4	9.5	1.3	0.6
DS-8003-02	1/4	6.3	1	25.4	1.7	0.8
DS-8933-01	3/8	9.5	3/4	19.0	4.0	1.8
DS-8933-02	3/8	9.5	1	25.4	4.5	2.0
DS-8933-03	3/8	9.5	1-1/4	31.7	5.3	2.4
DS-8933-04	3/8	9.5	1-1/2	38.1	6.1	2.8
DS-8933-05	3/8	9.5	2	50.8	7.6	3.4
DS-8933-06	3/8	9.5	2-1/4	57.1	8.5	3.9
DS-8547-01	1/2	12.7	1	25.4	9.3	4.2
DS-8547-02	1/2	12.7	15/16	23.8	9.1	4.1
DS-8547-03	1/2	12.7	1-1/4	31.7	10.0	4.5
DS-8547-04	1/2	12.7	1-1/2	38.1	11.6	5.3
DS-8547-05	1/2	12.7	1-3/4	44.4	13.2	6.0
DS-8547-06	1/2	12.7	2	50.8	14.7	6.7
DS-8547-07	1/2	12.7	2-1/4	57.1	16.0	7.3
DS-8547-08	1/2	12.7	2-1/2	63.5	17.5	7.9

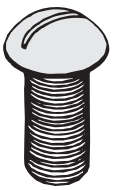
FLAT HEAD MACHINE SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8680-01	1/4	6.3	5/8	15.9	1.2	0.5
DS-8681-01	3/8	9.5	2	50.8	6.5	2.9
DS-8681-02	3/8	9.5	2-1/4	57.1	7.1	3.2
DS-8681-03	3/8	9.5	2-1/2	63.5	7.7	3.5

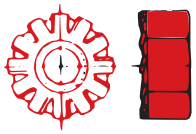


ROUND HEAD MACHINE SCREWS

CATALOG NUMBER	DIAMETER in	DIAMETER mm	LENGTH in	LENGTH mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8540-02	1/4	6.3	3/4	19.0	1.2	0.5
DS-8540-03	1/4	6.3	1	25.4	1.5	0.7
DS-8540-06	1/4	6.3	1-1/4	31.7	1.8	0.8
DS-8545-02	5/16	7.9	1	25.4	2.6	1.2
DS-8545-04	5/16	7.9	1-1/4	31.7	3.0	1.4
DS-8545-03	5/16	7.9	1-1/2	38.1	3.6	1.6
DS-8535-03	3/8	9.5	1	25.4	4.1	1.9
DS-8535-05	3/8	9.5	1-1/4	31.7	4.7	2.1
DS-8535-07	3/8	9.5	1-1/2	38.1	5.3	2.4
DS-8535-06	3/8	9.5	2-1/2	63.5	7.7	3.5



NUTS & WASHERS
STRUT FRAMING SYSTEMS



SPLIT LOCK WASHERS

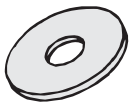
CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8615-01	1/4	6.3	0.3	0.1
DS-8617-01	3/8	9.5	0.7	0.3
DS-8616-01	1/2	12.7	1.5	0.7
DS-8647-01	5/8	15.9	2.6	1.2

FLAT WASHERS

CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8598-01	1/4	6.3	0.7	0.3
DS-8596-01	3/8	9.5	1.5	0.7
DS-8595-01	1/2	12.7	3.5	1.6
DS-8594-01	5/8	15.9	7.7	3.5

FENDER WASHERS

CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8888-01	1/4 x 1-1/4	6.3 x 31.7	2.0	0.9
DS-8889-01	3/4 x 1-1/2	19.0 x 38.1	3.0	1.4

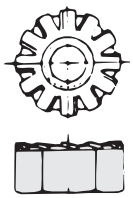


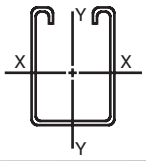
HEX NUTS

CATALOG NUMBER	SIZE in	SIZE mm	WEIGHT PER 100 lbs	WEIGHT PER 100 kg
DS-8585-01	1/4	6.3	0.6	0.3
DS-8580-01	5/16	7.9	1.2	0.5
DS-8575-01	3/8	9.5	1.6	0.7
DS-8570-01	1/2	12.7	4.8	2.2
DS-8532-01	5/8	15.9	7.3	3.3

K-LOCK NUTS

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





STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS

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)

STANDARD FINISH:

Mill-galvanized per ASTM A-653.

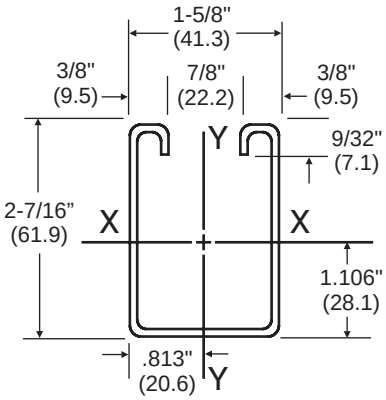
BEAM AND COLUMN DATA:

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.

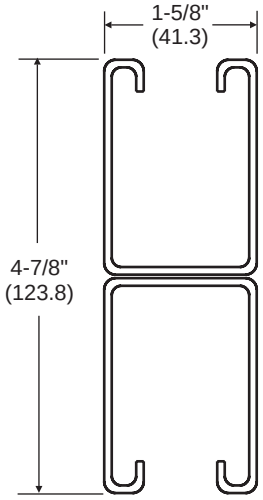
Uniform Load at Deflection = 1/240 Span: Load shown is total load uniformly distributed over a simple span. This load is recommended for use where deflection is required to be unnoticeable.

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)



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)

KK-100 CHANNEL

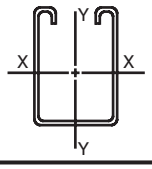
BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	3283	14.71	3283	14.71	8319	37.27
36	914	2188	9.80	2188	9.80	7139	31.98
48	1219	1641	7.35	1641	7.35	5747	25.75
60	1524	1313	5.88	1313	5.88	4306	19.29
72	1829	1094	4.90	972	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

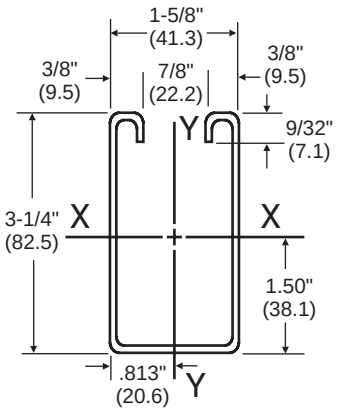
KK-100A CHANNEL

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	3800*	17.02	3800*	17.02	18467	82.73
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.

STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS

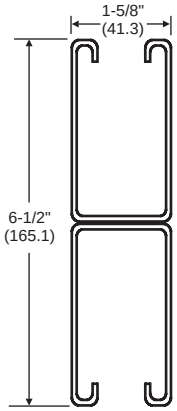




Wt. = 3.05 lbs/ft (4.54 kg/m)
Area = 0.897 in^2 (5.79 cm^2)
I_{x-x} = 1.100 in^4 (45.78 cm^4)
S_{x-x} = 0.629 in^3 (10.31 cm^3)
r_{x-x} = 1.107 in (28.12 cm)
I_{y-y} = 0.437 in^4 (18.19 cm^4)
S_{y-y} = 0.538 in^3 (8.82 cm^3)
r_{y-y} = 0.698 in (17.73 cm)
Thickness = 12 GA (2.6 mm)

KK-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

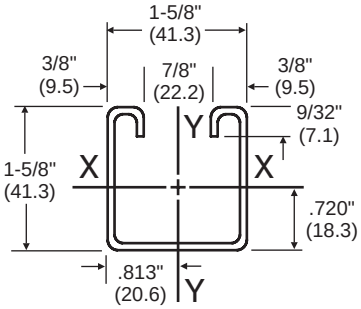


Wt. = 6.10 lbs/ft (9.08 kg/m)
Area = 1.794 in^2 (11.57 cm^2)
I_{x-x} = 6.225 in^4 (259.10 cm^4)
S_{x-x} = 1.915 in^3 (31.39 cm^3)
r_{x-x} = 1.863 in (47.32 cm)
I_{y-y} = 0.874 in^4 (36.38 cm^4)
S_{y-y} = 1.076 in^3 (17.64 cm^3)
r_{y-y} = 0.698 in (17.73 cm)
Thickness = 12 GA (2.6 mm)

KK-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

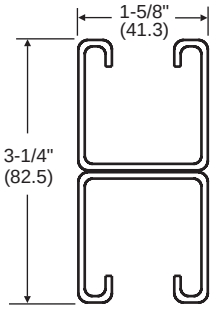
* Limited by spot weld shear.



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)

KK-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

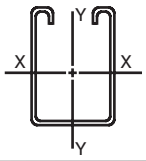


Wt. = 3.80 lbs/ft (5.65 kg/m)
Area = 1.116 in^2 (7.20 cm^2)
I_{x-x} = 0.940 in^4 (39.12 cm^4)
S_{x-x} = 0.578 in^3 (9.47 cm^3)
r_{x-x} = 0.918 in (23.32 cm)
I_{y-y} = 0.468 in^4 (19.48 cm^4)
S_{y-y} = 0.576 in^3 (9.44 cm^3)
r_{y-y} = 0.647 in (16.43 cm^4)
Thickness = 12 GA (2.6 mm)

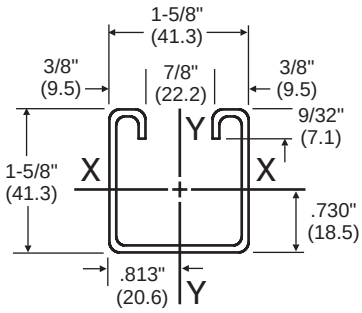
KK-200A CHANNEL

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

* Limited by spot weld shear.



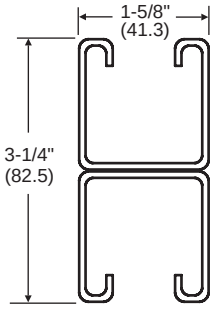
STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS



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)

KK-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

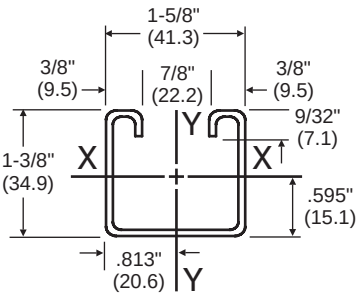


Wt. = 2.80 lbs/ft (4.17 kg/m)
Area = 0.824 in^2 (5.31 cm^2)
I_{x-x} = 0.730 in^4 (30.38 cm^4)
S_{x-x} = 0.449 in^3 (7.36 cm^3)
r_{x-x} = 0.941 in (23.90 cm)
I_{Y-Y} = 0.360 in^4 (14.98 cm^4)
S_{Y-Y} = 0.444 in^3 (7.28 cm^3)
r_{Y-Y} = 0.661 in (16.79 cm)
Thickness = 14 GA (1.9 mm)

KK-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

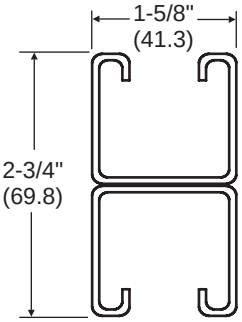
* Limited by spot weld shear.



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)

KK-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



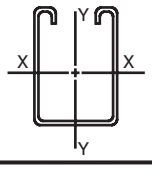
Wt. = 3.40 lbs/ft (5.06 kg/m)
Area = 1.004 in^2 (6.48 cm^2)
I_{x-x} = 0.595 in^4 (24.77 cm^4)
S_{x-x} = 0.433 in^3 (7.10 cm^3)
r_{x-x} = 0.770 in (19.56 cm)
I_{Y-Y} = 0.412 in^4 (17.15 cm^4)
S_{Y-Y} = 0.508 in^3 (8.33 cm^3)
r_{Y-Y} = 0.640 in (16.26 cm)
Thickness = 12 GA (2.6 mm)

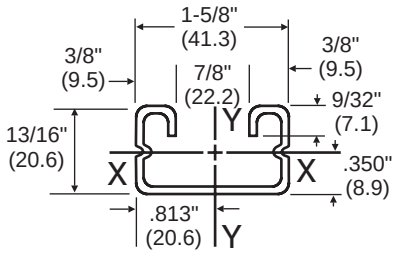
KK-300A CHANNEL

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.

STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS

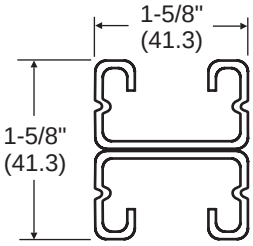




Wt. = 0.80 lbs/ft (1.19 kg/m)
Area = 0.226 in^2 (1.46 cm^2)
I_{x-x} = 0.022 in^4 (0.92 cm^4)
S_{x-x} = 0.048 in^3 (0.79 cm^3)
r_{x-x} = 0.311 in (7.90 cm)
I_{y-y} = 0.085 in^4 (3.54 cm^4)
S_{y-y} = 0.105 in^3 (1.72 cm^3)
r_{y-y} = 0.613 in (15.57 cm)
Thickness = 16 GA (1.5 mm)

KK-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	-	-

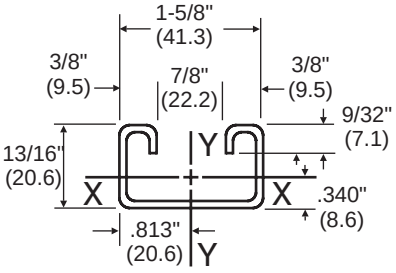


Wt. = 1.60 lbs/ft (2.38 kg/m)
Area = 0.452 in^2 (2.91 cm^2)
I_{x-x} = 0.108 in^4 (4.49 cm^4)
S_{x-x} = 0.133 in^3 (2.18 cm^3)
r_{x-x} = 0.489 in (12.42 cm)
I_{y-y} = 0.170 in^4 (7.08 cm^4)
S_{y-y} = 0.210 in^3 (3.44 cm^3)
r_{y-y} = 0.613 in (15.57 cm)
Thickness = 16 GA (1.5 mm)

KK-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

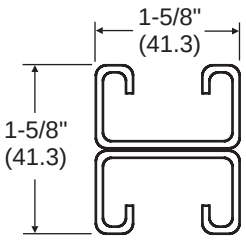
* Limited by spot weld shear.



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)

KK-500 CHANNEL

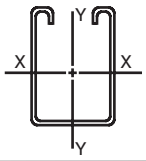
BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	475	2.13	449	2.01	4917	22.03
36	914	316	1.42	199	0.89	3870	17.34
48	1219	237	1.06	112	0.50	2432	10.89
60	1524	190	0.85	71	0.32	1557	6.97
72	1829	158	0.71	49	0.22	1080	4.84
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	-	-



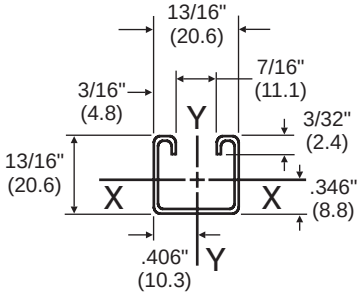
Wt. = 1.94 lbs/ft (2.89 kg/m)
Area = 0.580 in^2 (3.74 cm^2)
I_{x-x} = 0.119 in^4 (4.95 cm^4)
S_{x-x} = 0.146 in^3 (2.39 cm^3)
r_{x-x} = 0.453 in (11.51 cm)
I_{y-y} = 0.216 in^4 (8.99 cm^4)
S_{y-y} = 0.266 in^3 (4.36 cm^3)
r_{y-y} = 0.610 in (15.49 cm^4)
Thickness = 14 GA (1.9 mm)

KK-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	-	-



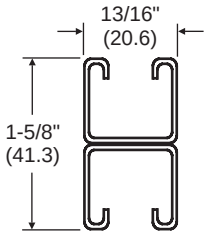
STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS



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)

KK-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

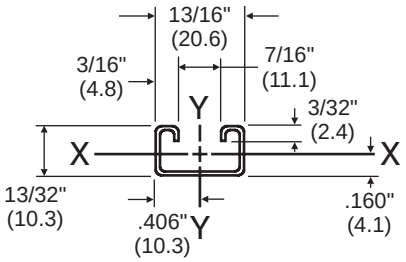


Wt. = 0.82 lbs/ft (1.22 kg/m)
Area = 0.244 in^2 (1.57 cm^2)
I_{x-x} = 0.0498 in^4 (2.07 cm^4)
S_{x-x} = 0.0614 in^3 (1.01 cm^3)
r_{x-x} = 0.4518 in (11.48 cm)
I_{Y-Y} = 0.0268 in^4 (1.11 cm^4)
S_{Y-Y} = 0.0658 in^3 (1.08 cm^3)
r_{Y-Y} = 0.3314 in (8.42 cm)
Thickness = 19 GA (1.0 mm)

KK-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

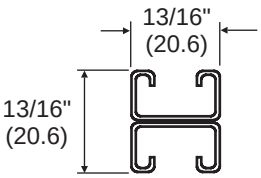
* Limited by spot weld shear.



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)

KK-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

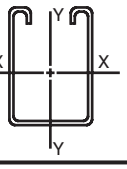


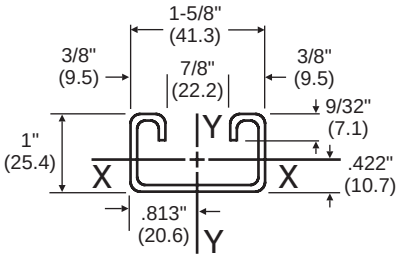
Wt. = 0.60 lbs/ft (0.89 kg/m)
Area = 0.170 in^2 (1.10 cm^2)
I_{x-x} = 0.0078 in^4 (0.32 cm^4)
S_{x-x} = 0.0191 in^3 (0.31 cm^3)
r_{x-x} = 0.2142 in (5.44 cm)
I_{Y-Y} = 0.0154 in^4 (0.64 cm^4)
S_{Y-Y} = 0.0380 in^3 (0.62 cm^3)
r_{Y-Y} = 0.301 in (7.64 cm)
Thickness = 19 GA (1.0 mm)

KK-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

STEEL CHANNEL ENGINEERING DATA
STRUT FRAMING SYSTEMS

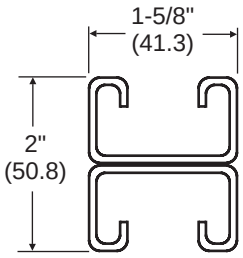




Wt. = 1.44 lbs/ft (2.14 kg/m)
Area = 0.426 in^2 (2.75 cm^2)
I_{x-x} = 0.053 in^4 (2.21 cm^4)
S_{x-x} = 0.092 in^3 (1.51 cm^3)
r_{x-x} = 0.352 in (8.94 cm)
I_{y-y} = 0.160 in^4 (1.06 cm^4)
S_{y-y} = 0.197 in^3 (3.23 cm^3)
r_{y-y} = 0.613 in (15.57 cm)
Thickness = 12 GA (2.6 mm)

KK-800 CHANNEL

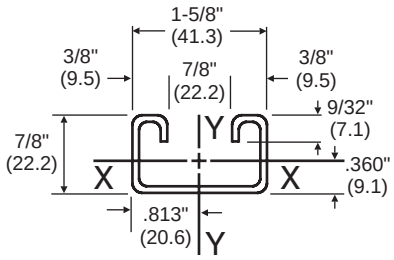
BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	766	3.43	766	3.43	7273	32.58
36	914	511	2.29	392	1.76	6345	28.43
48	1219	383	1.72	220	0.99	4684	20.98
60	1524	306	1.37	141	0.63	3160	14.16
72	1829	255	1.14	98	0.44	2195	9.83
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)

KK-800A CHANNEL

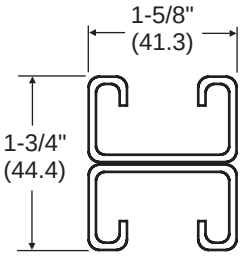
BEAM SPAN OR COLUMN HT. in	mm	UNIFORM LOAD lbs	kN	UNIFORM LOAD AT DEFLECTION = 1/240 SPAN lbs	kN	MAXIMUM COLUMN LOAD lbs	kN
24	610	1550	6.94	1550	6.94	17781	79.66
36	914	1416	6.34	1416	6.34	16284	72.95
48	1219	1062	4.76	1056	4.73	14525	65.07
60	1524	850	3.81	680	3.05	12515	56.07
72	1829	708	3.17	472	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



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)

KK-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)

KK-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	-	-

KOKA GROUP

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