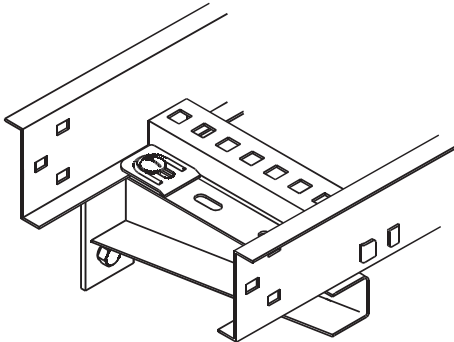


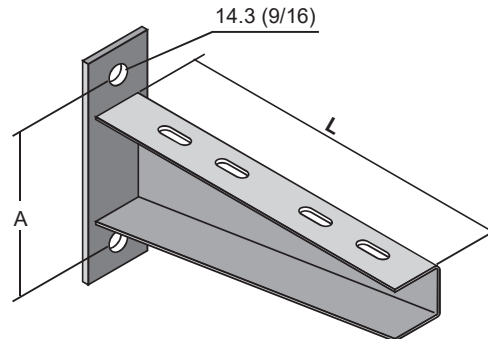
**SECCION 1.4 ACCESORIOS DE MONTAJE**

**MENSULA PARA MONTAJE EN PARED**



**SECCION 1.4 SUPPORTS AND BRACKETS**

**WALL CANTILEVER BRACKET**



**MPPI-09-GI**

MATERIAL Y ACABADO / MATERIAL & FINISHES  
 ANCHO DE LA CHAROLA / CABLE TRAY WIDTH  
 COLOCAR ESTE DIGITO PARA CHAROLAS CON PERFIL TIPO "CC", "IM" E "IP"  
 USE THIS LETTER FOR TRAYS WITH RAIL TYPE "CC", "IM" & "IP"  
 MENSULA PARA PARED / WALL SUPPORTED BRACKET

ANCHO DE CHAROLA TRAY WIDTH	A	PARA PERFIL TIPO Z, C (VER PAGINA 9) FOR RAIL TYPE Z, C (SEE PAGE 9)		PARA PERFIL TIPO I (VER PAGINA 9) FOR RAIL TYPE I (SEE PAGE 9)		CARGA SOPORTADA LOAD CAPACITY
		No DE CATALOGO CATALOG NUMBER	L	No DE CATALOGO CATALOG NUMBER	L	
101.6 (4) 152.4 (6) 228.9 (9) 304.8 (12)	120 (4.75)	MPP-04	127 (5)	MPPI-04	152 (6)	705 kg (1550 lb)
		MPP-06	178 (7)	MPPI-06	203 (8)	665 kg (1460 lb)
		MPP-09	254 (10)	MPPI-09	279 (11)	645 kg (1420 lb)
		MPP-12	330 (13)	MPPI-12	356 (14)	550 kg (1215 lb)
406.4 (16) 457.2 (18) 508.0 (20) 609.6 (24) 762.0 (30) 914.4 (36)	158 (6.22)	MPP-16	432 (17)	MPPI-16	457 (18)	505 kg (1115 lb)
		MPP-18	483 (19)	MPPI-18	508 (20)	450 kg (990 lb)
		MPP-20	533 (21)	MPPI-20	559 (22)	385 kg (850 lb)
		MPP-24	635 (25)	MPPI-24	660 (26)	325 kg (717 lb)
		MPP-30	787 (31)	MPPI-30	813 (32)	275 kg (607 lb)
		MPP-36	940 (37)	MPPI-36	965 (38)	225 kg (496 lb)

LA CARGA SOPORTADA MUESTRA LA CAPACIDAD DE LA MENSULA, SOPORTES ELECTRICOS NO SE HACE RESPONSABLE DE FALLAS ATRIBUIBLES A LOS SISTEMAS DE ANCLAJE O EL SUSTRATO DE APOYO.  
 THE LOAD SHOWN INDICATE THE BRACKET LOAD CAPACITY, SOPORTES ELECTRICOS IS NOT RESPONSABLE FOR FAILURES CAUSED BY THE ANCHORING SYSTEM OR FOR THE WALLS MATERIALS

LAS CARGAS SOPORTADAS ESTAN BASADAS EN UN FACTOR DE SEGURIDAD DE 2.5  
 THE LOAD CAPACITY ARE WITH A SECURITY FACTOR OF 2.5

NO INCLUYE TORNILLERIA NI SISTEMAS DE FIJACION  
 HARDWARE, CLAMP OR ANCHORING SYSTEM ARE NOT INCLUDED

MATERIALES Y ACABADOS DISPONIBLES:

MATERIALS & FINISHES AVAILABLE :

**GI** : ACERO AL CARBONO GALVANIZADO POR INMERSION EN CALIENTE SEGUN ASTM A 123

**GI** : HOT DIP GALVANIZED STEEL UNDER ASTM A 123  
**GE** : ELECTROGALVANIZED STEEL UNDER ASTM B 633

**GE** : ACERO AL CARBONO GALVANIZADO ELECTROLITICO SEGUN ASTM B 633

**T** : CHROMIUM-ZINC COATED STEEL

**T** : ACERO AL CARBONO TROPICALIZADO

**PVC** : PVC COATED STEEL UNDER NEMA RN 1

**PVC** : ACERO AL CARBONO RECUBIERTO CON PVC SEGUN NEMA RN 1

**AI** : NATURAL FINISHED STAINLESS STEEL (ACCORDING TO AVAILABILITY)

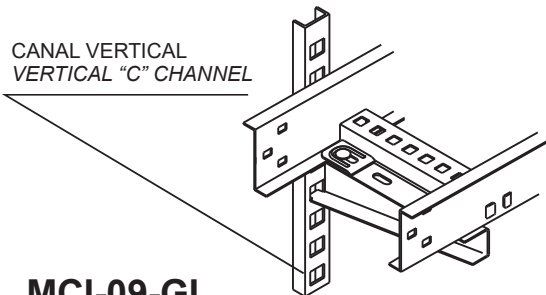
**AI** : ACERO INOXIDABLE ACABADO NATURAL (SEGUN DISPONIBILIDAD)

PARA MATERIALES Y ACABADOS NO INDICADOS CONSULTE NUESTRO DEPARTAMENTO DE INGENIERIA  
 FOR MATERIALS AND FINISHES NOT SHOWN. PLEASE CONSULT OUR TECHNICAL DEPARTMENT

TODAS LAS DIMENSIONES EN mm (Pulg) / ALL DIMENSIONS ARE IN mm (Inch)

PUEDEN SER SUJETOS A MODIFICACION SIN PREVIO AVISO / MAY BE SUBJECT TO MODIFICATION WITHOUT NOTICE

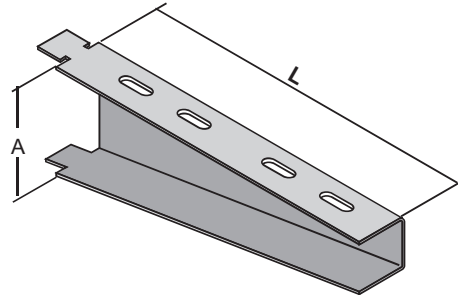
**MENSULA PARA MONTAJE EN CANAL**



**MCI-09-GI**

MATERIAL Y ACABADO (VER PAGINA 27) / MATERIAL & FINISHES (SEE PAGE 27)  
 ANCHO DE LA CHAROLA / CABLE TRAY WIDTH  
 COLOCAR ESTE DIGITO PARA CHAROLAS CON PERFIL TIPO "CC", "IM" E "IP"  
 USE THIS LETTER FOR TRAYS WITH RAIL TYPE "CC", "IM" & "IP"  
 MENSULA PARA CANAL / CHANNELCANTILEVER BRACKET

**CHANNEL CANTILEVER BRACKET**



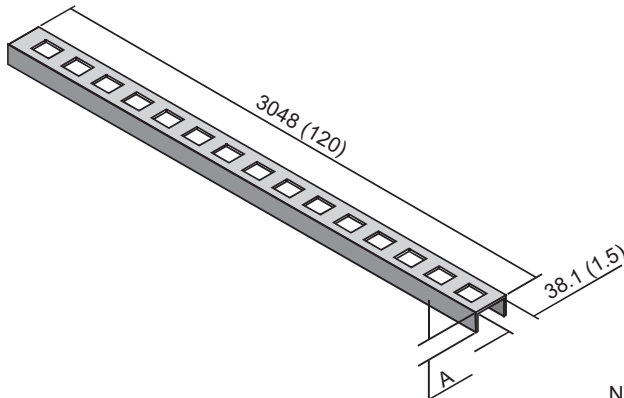
ANCHO DE CHAROLA TRAY WIDTH	A	PARA PERFIL TIPO Z, C (VER PAGINA 9) FOR RAIL TYPE Z, C (SEE PAGE 9)		PARA PERFIL TIPO I (VER PAGINA 9) FOR RAIL TYPE I (SEE PAGE 9)		CARGA SOPORTADA LOAD CAPACITY
		No DE CATALOGO CATALOG NUMBER	L	No DE CATALOGO CATALOG NUMBER	L	
101.6 (4)	79 (3.1)	MC-04	127 (5)	MCI-04	152 (6)	345 kg (762 lb)
152.4 (6)		MC-06	178 (7)	MCI-06	203 (8)	325 kg (717 lb)
228.9 (9)		MC-09	254 (10)	MCI-09	279 (11)	315 kg (695 lb)
304.8 (12)		MC-12	330 (13)	MCI-12	356 (14)	270 kg (596 lb)
406.4 (16)	117 (4.6)	MC-16	432 (17)	MCI-16	457 (18)	245 kg (540 lb)
457.2 (18)		MC-18	483 (19)	MCI-18	508 (20)	220 kg (485 lb)
508.0 (20)		MC-20	533 (21)	MCI-20	559 (22)	190 kg (420 lb)
609.6 (24)		MC-24	635 (25)	MCI-24	660 (26)	160 kg (353 lb)
762.0 (30)		MC-30	787 (31)	MCI-30	813 (32)	135 kg (298 lb)
914.4 (36)		MC-36	940 (37)	MCI-36	965 (38)	110 kg (243 lb)

LA CARGA SOPORTADA MUESTRA LA CAPACIDAD DE LA MENSULA EN CONJUNTO CON EL CANAL VERTICAL, SOPORTES ELECTRICOS NO SE HACE RESPONSABLE DE FALLAS ATRIBUIBLES A LOS SISTEMAS DE ANCLAJE O EL SUSTRATO DE APOYO.  
 THE LOAD SHOWN INDICATE THE BRACKET LOAD CAPACITY ASSAMBLD WITH VERTICAL CHANNEL, SOPORTES ELECTRICOS IS NOT RESPONSABLE FOR FAILURES CAUSED BY THE ANCHORING SYSTEM OR FOR THE WALLS MATERIALS

LAS CARGAS SOPORTADAS ESTAN BASADAS EN UN FACTOR DE SEGURIDAD DE 2.5  
 THE LOAD CAPACITY ARE WITH A SECURITY FACTOR OF 2.5

NO INCLUYE TORNILLERIA NI SISTEMAS DE FIJACION  
 HARDWARE, CLAMP OR ANCHORING SYSTEM ARE NOT INCLUDED

**CANAL VERTICAL**



**VERTICAL "C" CHANNEL**

**CVPP-120-GI**

MATERIAL Y ACABADO (VER PAGINA 27)  
 MATERIAL & FINISHES (SEE PAGE 27)  
 LONGITUD DEL CANAL EN PULGADAS  
 CHANNEL LENGHT IN INCHES  
 COLOCAR ESTE DIGITO EN CANALES  
 CON ALTURA DE 19 mm (3/4)  
 USE THIS LETTER FOR CHANNELS  
 WITH 19 (3/4) HEIGHT  
 CANAL VERTICAL / VERTICAL "C" CHANNEL

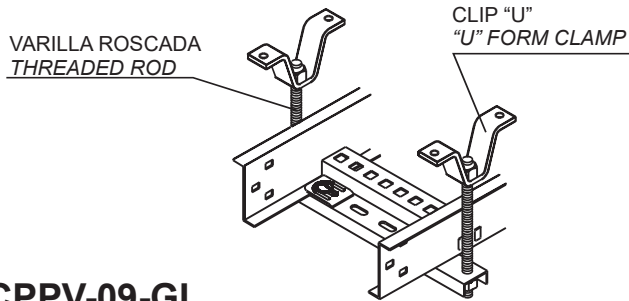
N° DE CATALOGO CATALOG NUMBER	A
CVPP-120	19 (3/4)
CVP-120	38.1 (1.5)

NO INCLUYE TORNILLERIA NI SISTEMAS DE FIJACION  
 HARDWARE, CLAMP OR ANCHORING SYSTEM ARE NOT INCLUDED

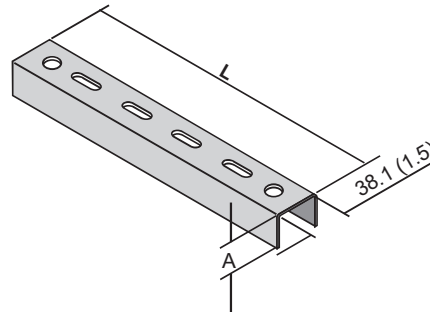
TODAS LAS DIMENSIONES EN mm (Pulg) / ALL DIMENSIONS ARE IN mm (Inch)  
 PUEDE SER SUJETO A MODIFICACION SIN PREVIO AVISO / MAY BE SUBJECT TO MODIFICATION WITHOUT NOTICE

## PRODUCTOS SOPORTES ELECTRICOS

### CANAL HORIZONTAL PARA TRAPEZIO



### HORIZONTAL CHANNEL FOR TRAPEZOID SUPPORT



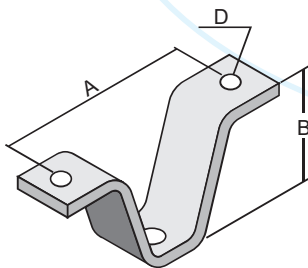
### CPPV-09-GI

MATERIAL Y ACABADO (VER PAGINA 27) / MATERIAL & FINISHES (VER PAGINA 27)  
 ANCHO DE LA CHAROLA / CABLE TRAY WIDTH  
 COLOCAR ESTE DIGITO EN CANALES CON ALTURA DE 19 mm (3/4)  
 USE THIS LETTER FOR CHANNELS WITH 19mm (3/4) HEIGHT  
 CANAL HORIZONTAL PARA TRAPEZIO / HORIZONTAL CHANNEL FOR SUPPORT

NUMERO DE CATALOGO		CATALOG NUMBER	
PARA ALTURA A DE 19 (3/4) FOR 19 (3/4) HEIGHT	PARA ALTURA A DE 38.1 (1) FOR 38.1 (1) HEIGHT	ANCHO DE CHAROLA TRAY WIDTH	L
CPPV-04	CPV-04	101.6 (4)	195 (7.69)
CPPV-06	CPV-06	152.4 (6)	246 (9.69)
CPPV-09	CPV-09	228.9 (9)	322 (12.69)
CPPV-12	CPV-12	304.8 (12)	398 (15.69)
CPPV-16	CPV-16	406.4 (16)	500 (19.69)
CPPV-18	CPV-18	457.2 (18)	551 (21.69)
CPPV-20	CPV-20	508.0 (20)	602 (23.69)
CPPV-24	CPV-24	609.6 (24)	703 (27.69)
CPPV-30	CPV-30	762.0 (30)	856 (33.69)
CPPV-36	CPV-36	914.4 (36)	1008 (39.69)

NO INCLUYE TORNILLERIA, VARILLAS, CLIPS "U" NI SISTEMAS DE FIJACION  
 HARDWARE, "U" CLAMP, THREADED RODS OR ANCHORING SYSTEM ARE NOT INCLUDED

### CLIP "U"



### CU-38-GI

MATERIAL Y ACABADO VER PAGINA 27 / MATERIAL & FINISHES SEE PAGE 27  
 TAMAÑO NOMINAL DE VARILLA ROSCADA / THREADED ROAD SIZE  
 CLIP "U" / FORM "U" CLAMP

N° DE CATALOGO CATALOG NUMBER	TAMAÑO DE VARILLA ROAD SIZE	A	B	D
CU-14	6.4 (1/4)	120 (4.72)	52 (2.04)	7.94 (5/16)
CU-38	9.5 (3/8)	120 (4.72)	52 (2.04)	11.12 (7/16)
CU-12	12.7 (1/2)	120 (4.72)	52 (2.04)	14.29 (9/16)
CU-58	15.9 (5/8)	120 (4.72)	52 (2.04)	17.49 (11/16)

NO INCLUYE TORNILLERIA, VARILLAS, NI SISTEMAS DE FIJACION  
 HARDWARE, THREADED RODS OR ANCHORING SYSTEM ARE NOT INCLUDED

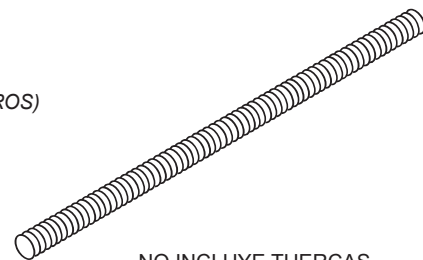
### FORM "U" CLAMP

### VARILLA ROSCADA

### VR-38-3.0GI

MATERIAL Y ACABADO (VER PAGINA 27, EXCEPTO GI)  
 MATERIAL & FINISHES (SEE PAGE 27 EXCEPT GI)  
 LONGITUD EN METROS (DISPONIBLE EN 1.0, 2.0 Y 3.0 METROS)  
 LENGTH IN METERS (AVAILABLE IN 1.0, 2.0 Y 3.0 METERS)  
 TAMAÑO NOMINAL SIZE  
 VARILLA ROSCADA THREADED ROD

N° DE CATALOGO CATALOG NUMBER	TAMAÑO NOMINAL SIZE
VR-38	9.5 (3/8)
VR-12	12.7 (1/2)
VR-58	15.9 (5/8)

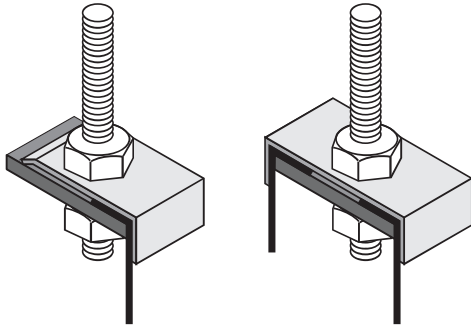


NO INCLUYE TUERCAS  
 NUTS NOT INCLUDED

TODAS LAS DIMENSIONES EN mm (Pulg) / ALL DIMENSIONS ARE IN mm (Inch)  
 PUEDE SER SUJETO A MODIFICACION SIN PREVIO AVISO / MAY BE SUBJECT TO MODIFICATION WITHOUT NOTICE

**SOPORTES COLGANTES A LATERAL**

**SIDE RAIL HANGING SUPPORT**



SENCILLO SINGLE

DOBLE DOUBLE

**SDH-38-GI**

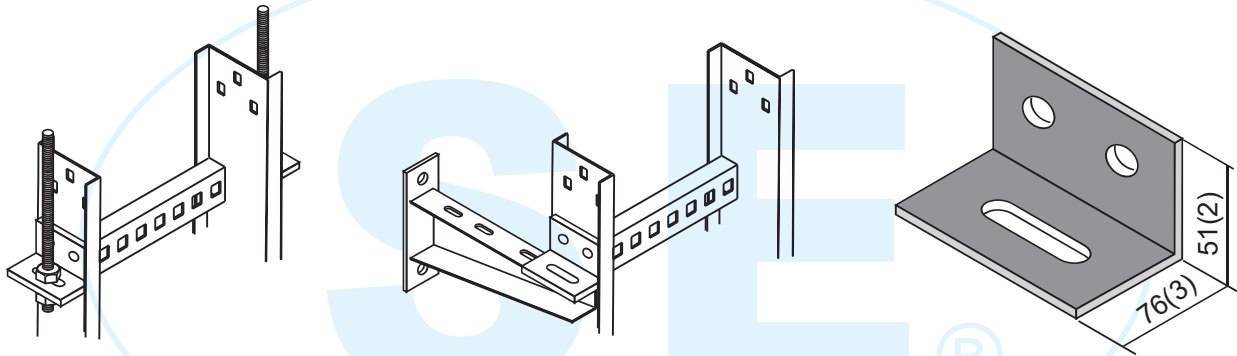
MATERIAL Y ACABADO (VER PAGINA 27)  
 MATERIAL & FINISHES (SEE PAGE 27)  
 TAMAÑO NOMINAL DE VARILLA ROSCADA  
 THREADED ROD SIZE  
 TIPO (SENCILLO O DOBLE )  
 TYPE SUPPORT (SINGLE OR DOUBLE)  
 COLGADOR A LATERAL SIDE RAIL HANGER

N° DE CATALOGO CATALOG NUMBER		TAMAÑO DE VARILLA ROAD SIZE
SENCILLO SINGLE	DOBLE DOUBLE	
SSH-38	SDH-38	9.5 (3/8)
SSH-12	SDH-12	12.7 (1/2)
SSH-58	SDH-58	15.9 (5/8)

NO INCLUYE TUERCAS NI VARILLA  
 NUTS OR THREADED RODS ARE NOT INCLUDED

**SOPORTE VERTICAL**

**VERTICAL SUPPORT**



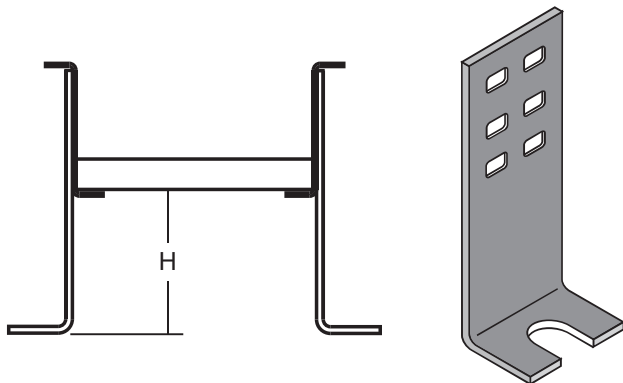
**SV-1GI**

MATERIAL Y ACABADO (VER PAGINA 34)  
 MATERIAL & FINISHES (SEE PAGE 34)  
 SUBFIJO P/PERALTE (VER PAG 9)  
 RAIL HEIGHT SUFFIX (SEE PAGE 9)  
 SOPORTE VERTICAL / VERTICAL SUPPORT

PARA USARSE CON VARILLA ROSCADA  
 DE 12.7 (1/2) NO INCLUIDA  
 FOR USE WITH THREADED  
 12.7 (1/2) NOT INCLUDED

**SOPORTE PARA PISO**

**FLOOR SUPPORT**

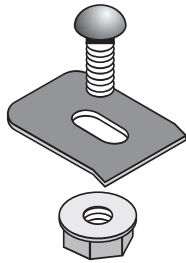


**SP-30-1GI**

MATERIAL Y ACABADO (VER PAGINA 27)  
 MATERIAL & FINISHES (SEE PAGE 27)  
 SUBFIJO P/PERALTE (VER PAG 2)  
 RAIL HEIGHT SUFFIX (SEE PAGE 2)  
 ALTURA H / HEIGHT H  
 SOPORTE PARA PISO / FLOOR SUPPORT

TODAS LAS DIMENSIONES EN mm (Pulg) / ALL DIMENSIONS ARE IN mm (Inch)  
 PUEDE SER SUJETO A MODIFICACION SIN PREVIO AVISO / MAY BE SUBJECT TO MODIFICATION WITHOUT NOTICE

**CLEMA PARA CHAROLA**



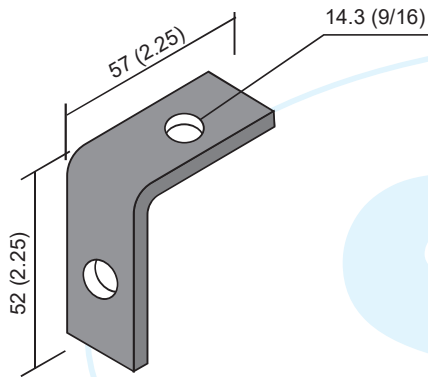
**CLAMP-112-GI**

MATERIAL Y ACABADO (VER PAGINA 27)  
 MATERIAL & FINISHES (SEE PAGE 27)  
 CLEMA PARA CHAROLA / HOLD-DOWN CLAMP

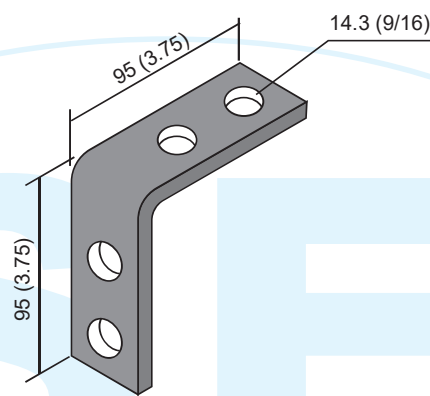
INCLUYE TORNILLERIA  
 HARDWARE INCLUDED

**HOLD-DOWN CLAMP**

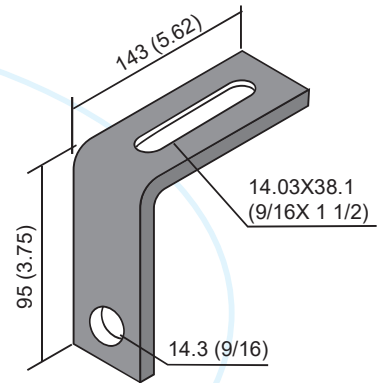
**CLIPS ANGULARES**



TIPO SENCILLO SINGLE TYPE  
 N° DE CATALOGO CATALOG NUMBER **CAFC-234**



TIPO REFORZADO REINFORCED TYPE  
 N° DE CATALOGO CATALOG NUMBER **CAFL-334**



TIPO AJUSTABLE ADJUSTABLE TYPE  
 N° DE CATALOGO CATALOG NUMBER **CAFL-434**

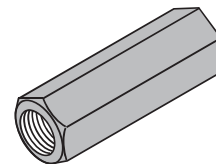
**CAFC-234-GI**

MATERIAL Y ACABADO (VER PAGINA 104)  
 MATERIAL & FINISHES (SEE PAGE 104)  
 TIPO TYPE

**COPE PARA VARILLA ROSCADA**

**CVR-38-GI**

MATERIAL Y ACABADO (VER PAGINA 27, EXCEPTO GI)  
 MATERIAL & FINISHES (SEE PAGE 27 EXCEPT GI)  
 TAMAÑO NOMINAL / SIZE  
 COPE PARA VARILLA ROSCADA / THREADED COUPLING



N° DE CATALOGO CATALOG NUMBER	TAMAÑO NOMINAL SIZE
CVR-38	9.5 (3/8)
CVR-12	12.7 (1/2)
CVR-58	15.9 (5/8)

**THREADED COUPLING**

TODOS LOS SISTEMAS DE APOYO MOSTRADOS EN ESTA SECCION DEBERAN SER COLOCADOS DE ACUERDO A LA NORMA NEMA VE-2  
 ALL THE FRAMES SHOWN IN THIS SECTION SHOULD BE INSTALLED UNDER STANDARD NEMA VE 2

TODAS LAS DIMENSIONES EN mm (Pulg) / ALL DIMENSIONS ARE IN mm (Inch)  
 PUEDE SER SUJETO A MODIFICACION SIN PREVIO AVISO / MAY BE SUBJECT TO MODIFICATION WITHOUT NOTICE