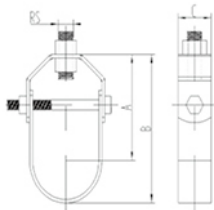


CH01 Clevis hanger



part	Nominal Pipe Size		Pipe O.D		RS		A		B		C		Max.Rec		UL	FM
Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	lbs	N		
CH01-21	1/2	DN15	0.838	21.3	3/8	M10	1 5/8	41	2 1/8	55	7/8	22	610	2710	UL	
CH01-26	3/4	DN20	1.051	26.7			1 3/4	44	2 3/8	60					UL	FM
CH01-33	1	DN25	1.327	33.7			2	50	2 3/4	70					UL	FM
CH01-42	1 1/4	DN32	1.669	42.4			2 3/8	61	3 5/16	85					UL	FM
CH01-48	1 1/2	DN40	1.900	48.3	1/2	M12	2 7/8	73	3 15/16	100	1 3/16	30	1350	6000	UL	FM
CH01-60	2	DN50	2.245	60.3			3 1/4	82	4 1/2	115					UL	FM
CH01-73	2 1/2	DN65	2.375	73			3 3/4	95	5 1/3	135					UL	FM
CH01-89	3	DN80	3.000	88.9			4 1/8	105	6 1/8	155					UL	FM
CH01-114	4	DN100	4.500	114.3	5/8	M16	5 1/2	140	7 1/8	200	1 9/16	40	1430	6360	UL	FM
CH01-141	5	DN125	5.563	141.3			6 1/8	175	10	250					UL	FM
CH01-168	6	DN150	6.625	168.3			7 1/2	190	11	280					UL	FM
CH01-219	8	DN200	8.625	219.1			8 1/2	215	13	330					UL	FM
CH01-273	10	DN250	10.748	273	3/4	M20	10	255	15 3/4	400	2	50	3600	16000	UL	FM
CH01-324	12	DN300	12.752	323.9			11 3/4	300	18 1/2	470					UL	FM

Size Range: 1/2" through 12"

Material: Carbon steel

Finish: Galvanized. Other finish available upon request

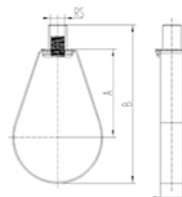
Service: Recommended for the suspension of stationary pipe lines.

Approvals: Complies with Federal Specification A-A-1192A (Type 1), WW-H-171-E (Type 1), and MSS SP-58 (Type 1).

Ordering: Specify pipe size, figure number and name.



RH01 Ring hanger



part	Nominal Pipe Size		Pipe O.D		RS		A		B		C		Max.Rec		UL	FM
Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	lbs	N		
RH01-21	1/2	DN15	0.838	21.3	3/8	M10	1 1/2	40	2 3/4	70	5/8	16	500	2220	UL	
RH01-26	3/4	DN20	1.051	26.7			1 3/4	45	3 1/8	78					UL	FM
RH01-33	1	DN25	1.327	33.7			1 7/8	48	3 5/8	84					UL	FM
RH01-42	1 1/4	DN32	1.669	42.4			2	50	3 7/8	90					UL	FM
RH01-48	1 1/2	DN40	1.900	48.3	1/2	M12	2 3/16	55	3 7/8	98	13/16	20	1000	4440	UL	FM
RH01-60	2	DN50	2.245	60.3			2 7/8	60	4 1/4	109					UL	FM
RH01-73	2 1/2	DN65	2.375	73			3 1/16	78	5 3/16	132					UL	FM
RH01-89	3	DN80	3.000	88.9			3 1/4	82	5 11/16	145					UL	FM
RH01-114	4	DN100	4.500	114.3	1/2	M12	4	100	6 7/8	175	13/16	20	1900	8450	UL	FM
RH01-141	5	DN125	5.563	141.3			4 5/8	116	8 1/4	210					UL	FM
RH01-168	6	DN150	6.625	168.3			5 5/8	135	9 5/8	245					UL	FM
RH01-219	8	DN200	8.625	219.1			7 1/4	183	12 3/8	315					UL	FM

Size Range: 1/2" through 8"

Material: Carbon steel

Finish: Galvanized. Other finish available upon request

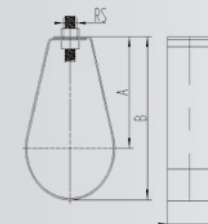
Service: Recommended for suspension of non-insulated stationary pipe line. Manufactured to use the min. rod size permitted by NFPA for fire sprinkler pipe line

Approvals: Complies with Federal Specification A-A-1192A (Type 10), WW-H-171-E (Type 10), and MSS SP-69 (Type 10).

Ordering: Specify part number



PH01 Pear Hanger



part	Nominal Pipe Size		Pipe O.D		RS		A		B		C		Max.Rec		UL	FM
Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	lbs	N		
PH01-21	1/2	DN15	0.838	21.3	3/8	M10	2 1/2	64	3 1/16	77	1	25	500	2220	UL	
PH01-26	3/4	DN20	1.051	26.7			2 1/2	64	3 3/8	80					UL	FM
PH01-33	1	DN25	1.327	33.7			2 3/4	70	3 7/16	90					UL	FM
PH01-42	1 1/4	DN32	1.669	42.4			2 7/8	73	3 13/16	97					UL	FM
PH01-48	1 1/2	DN40	1.900	48.3	1/2	M12	2 15/16	75	4	101.5	1 1/4	32	1000	4400	UL	FM
PH01-60	2	DN50	2.245	60.3			3 1/8	80	4 1/2	112.5					UL	FM
PH01-73	2 1/2	DN65	2.375	73			3 9/16	91	5 1/8	130					UL	FM
PH01-89	3	DN80	3.000	88.9			4 1/8	105	6	152					UL	FM
PH01-114	4	DN100	4.500	114.3	5/8	M16	4 1/2	115	6 7/8	175	1 1/2	40	1260	5544	UL	FM
PH01-141	5	DN125	5.563	141.3			6 1/8	175	9 7/8	249					UL	FM
PH01-168	6	DN150	6.625	168.3			8 3/4	222	12 1/4	310					UL	FM
PH01-219	8	DN200	8.625	219.1			9 13/16	250	14 1/4	363					UL	FM

Size Range: 1/2" through 8"

Material: Carbon steel

Finish: Galvanized. Other finish available upon request

Service: Recommended for suspension of non-insulated stationary pipe line. Manufactured to use the min. rod size permitted by NFPA for fire sprinkler pipe line.

Approvals: Complies with Federal Specification A-A-1192A (Type 10), WW-H-171-E (Type 10), and MSS SP-69 (Type 10).

Ordering: Specify part number



RC01 Extension Pipe or Riser Clamp



part	Nominal Pipe Size		Pipe O.D		RS		A		B		C		C		Max.Rec		FM
Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	lbs	N	
RC01-21	1/2	DN15	0.838	21.3	3/8	M10	3 1/8	80	8 7/8	225	1/2	12	1	25	500	2220	FM
RC01-26	3/4	DN20	1.051	26.7			3 1/8	80	8 7/8	225							
RC01-33	1	DN25	1.327	33.7			3 1/8	80	8 7/8	225							
RC01-42	1 1/4	DN32	1.669	42.4			4 3/8	110	10	255							
RC01-48	1 1/2	DN40	1.900	48.3	1/2	M12	4 1/2	115	10 1/4	260	5/8	16	1 9/16	40	1000	4400	FM
RC01-60	2	DN50	2.245	60.3			4 3/8	110	10 1/4	260							
RC01-73	2 1/2	DN65	2.375	73			5 3/8	135	11 1/4	285							
RC01-89	3	DN80	3.000	88.9			5 1/2	140	11 3/8	290							
RC01-114	4	DN100	4.500	114.3	5/8	M16	7 1/8	180	13	330	3/4	18	2	50	1260	5544	FM
RC01-141	5	DN125	5.563	141.3			8 1/8	205	13 3/4	350							
RC01-168	6	DN150	6.625	168.3			9 1/8	230	14 3/4	375							
RC01-219	8	DN200	8.625	219.1			12	305	18 1/2	470							
RC01-273	10	DN250	10.75	273	5/8	M16	14 9/16	370	20 1/4	515							
RC01-324	12	DN300	12.75	323.9			16 3/8	415	22 7/8	580							

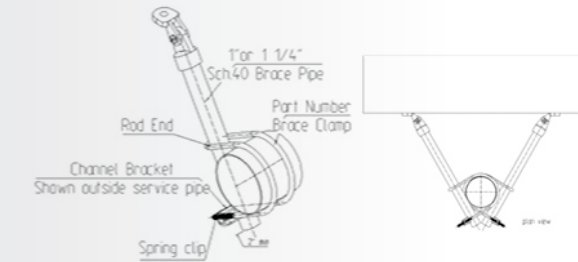
Size Range: 1/2" through 12"
Material: Carbon steel
Finish: Plain, Hot-Dip Galvanized with Zinc Plated Bolts & Nuts, Epoxy Coated or Painted. This product is not intended for use with hanger rods.
Service: Complies with Federal Specification A-A-1192A (Type 10), WW-H-171-E (Type 10), and MSS SP-69 (Type 10).
Approvals: 
Ordering: Specify part number

QBC01 Q Brace Clamp

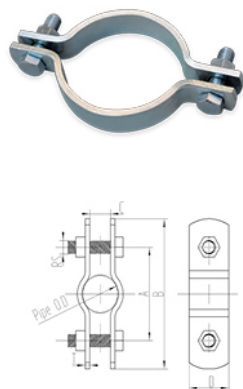


Service Pipe Size	Installation Torque	1" Brace Pipe Weight
1	14	0.82
1 1/4		0.86
1 1/2		0.90
2	16	0.96
2 1/2		1.02
3		1.09
4	17	1.23
5		1.32
6		1.49

Size Range: 1" through 6"
Material: Carbon steel
Finish: Galvanized. Other finish available upon request
Service: Designed to rigidly brace and restrain piping systems subjected to lateral seismic loads. May also be installed to brace piping systems subjected to vertical seismic loads. For vertical load capacities.
Ordering: Specify service pipe size, brace pipe size, figure number, finish and description.



PC01 Medium Pipe Clamp



part	Nominal Pipe Size		Pipe O.D		RS		A		B		C		C		Max.Rec		UL	FM
Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	lbs	N		
PC01-21	1/2	DN15	0.838	21.3	3/8	M10	2 1/4	56	3 3/8	86	1/2	12	1	25	500	2220	UL	FM
PC01-26	3/4	DN20	1.051	26.7			2 1/2	65	3 3/4	95								
PC01-33	1	DN25	1.327	33.7			2 5/8	70	4	100								
PC01-42	1 1/4	DN32	1.669	42.4			3 1/8	80	4 5/16	110								
PC01-48	1 1/2	DN40	1.900	48.3	1/2	M12	3 1/2	90	4 3/4	120	5/8	16	1 9/16	40	1000	4400	UL	FM
PC01-60	2	DN50	2.245	60.3			4 1/8	105	5 1/2	140								
PC01-73	2 1/2	DN65	2.375	73			5 5/16	135	6 3/4	170								
PC01-89	3	DN80	3.000	88.9			5 11/16	145	7 1/8	180								
PC01-114	4	DN100	4.500	114.3	5/8	M16	7 1/8	180	8 1/2	215	3/4	18	2	50	1260	5544	UL	FM
PC01-141	5	DN125	5.563	141.3			8 1/4	210	9 1/8	250								
PC01-168	6	DN150	6.625	168.3			9 1/8	250	11 1/2	290								
PC01-219	8	DN200	8.625	219.1			12	305	13 3/4	350								
PC01-273	10	DN250	10.75	273	5/8	M16	14 3/8	365	17 1/8	435								
PC01-324	12	DN300	12.75	323.9			16 3/8	415	19 1/8	485								

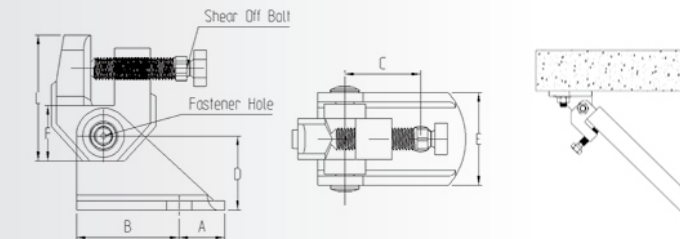
Size Range: 1/2" through 12"
Material: Carbon steel
Finish: Plain, Hot-Dip Galvanized with Zinc Plated Bolts & Nuts, Epoxy Coated or Painted. This product is not intended for use with hanger rods.
Service: Complies with Federal Specification A-A-1192A (Type 10), WW-H-171-E (Type 10), and MSS SP-69 (Type 10).
Approvals: 
Ordering: Specify part number

SBSA01 Sway Brace Swivel Attachment



Mounting Bolt	A		B		C		D		E		L	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
1/2	1	25	2 1/4	57	1 5/8	42	1 3/8	35	2	50	2 11/16	68

Material: Ductile Iron Jaw with Carbon Steel Baseplate and Hardware
Finish: Galvanized. Other finish available upon request
Service: A seismic swivel attachment designed to connect brace pipe to the building structure or to a seismic structural attachment. The Sway Brace Swivel Attachment rigidly braces piping systems subjected to lateral seismic loads.
Ordering: Specify figure number, finish and description.



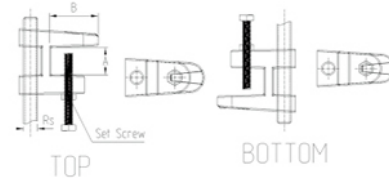
TC01 Universal C type Clamp



part	Rs	A	B	set Screw	Max.Rec(lbs)		UL	FM
Number	In.	In.	In.	In.	TOP	BOTTOM		
TC01-100	3/8	3/4	1 1/8	3/8	500	250	UL	FM
TC01-120	1/2	3/4	1 1/4	1/2	950	760	UL	FM
TC01-160	5/8	1 3/8	1 1/4	1/2	1300	1080		
CH01-200	3/4	1 3/8	1 1/4	1/2	1300	1080		

part	Rs	A	B	set Screw	Max.Rec(N)		UL	FM
Number	mm	mm	mm	mm	TOP	BOTTOM		
TC01-M10	M10	20	29	M10	2220	1110	UL	FM
TC01-M12	M12	20	32	M12	4220	3380	UL	FM
TC01-M16	M16	34	32	M12	5800	4800		
TC01-M20	M20	34	32	M12	5800	4800		

Size Range: 3/8", 1/2", 5/8" and 3/4" or M10, M12, M16 and M20
Material: Ductile iron clamp, hardened steel cup point set screw and lock nut
Finish: Black or Galvanized
Service: Structural attachment to top or bottom of metal beams, purlins, channel or angel iron
Approvals: Complies with Federal Specification A-A-1192A (Type 1), WW-H-171-E (Type 1), and MSS SP-58 (Type 1).
Ordering: Specify part number & finish.

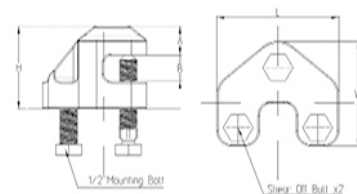


USBA01 Beam Adaptor

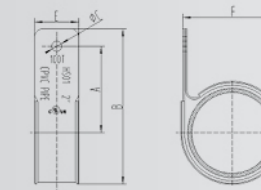


Mounting Bolt	L		W		H		A		B	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
1/2	3 1/8	80	2 9/8	68	2 1/6	54	3/4	19	1 1/16	17

Service: A seismic structural attachment designed to attach to steel I-beams, flanges, and joists. The Universal Structural Brace Attachment rigidly braces piping systems subjected to horizontal seismic loads. The Universal Structural Brace Attachment may also be installed to rigidly brace piping systems subjected to vertical seismic loads. For vertical load capacities.
Ordering: Specify figure number, finish, and description.



HS01 One Hole Pipe Strap



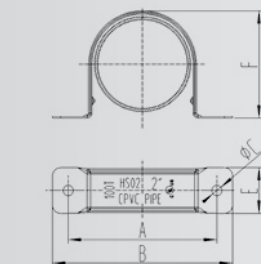
HS01: DIMENSIONS (IN) • WEIGHT (LBS)

CPVC	A	B	ΦC	E	F	Max. Hanger	Approx	UL
Pipe Size	In.	In.	In.	In.	In.	Spacing(FT.)	Weight/100(1bs)	
3/4	1 9/16	2 5/8	1/4	1 1/8	1 1/4	5 1/2	8	UL
1	1 3/4	2 15/16			1 1/2	6	9	UL
1 1/4	1 13/16	3 3/16			1 7/8	6 1/2	10	UL
1 1/2	2	3 9/16			2 1/8	7	12	UL
2	2 3/16	4			2 5/8	8	14	UL

Size Range: 3/4" through 2"
Material: Carbon steel
Finish: Zinc Plated Steel (Hot-Dip Galvanized optional)
Service: Hanger for CPVC pipe in the horizontal position on the side of structural wood beams. It can also be used as a guide to limit movement of vertical CPVC pipe with the tab in the horizontal position.
Approvals: UL and ULC Listed.
Ordering: Specify part number



HS02 Two Hole Pipe Strap



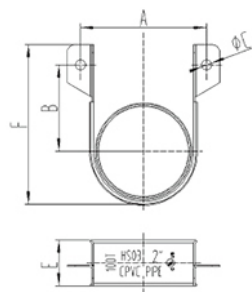
HS02: DIMENSIONS (IN) • WEIGHT (LBS)

CPVC	A	B	ΦC	E	F	Max. Hanger	Approx	UL
Pipe Size	In.	In.	In.	In.	In.	Spacing(FT.)	Weight/100(1bs)	
3/4	2 3/16	2 15/16	1/4	1 1/8	1 1/4	5 1/2	5	UL
1	2 7/16	3 7/32			1 1/2	6	6	UL
1 1/4	2 13/16	3 9/16			1 13/16	6 1/2	7	UL
1 1/2	3	3 13/16			2 1/8	7	8	UL
2	3 1/2	4 9/32			2 9/16	8	9	UL

Size Range: 3/4" through 2"
Material: Carbon steel
Finish: Zinc Plated Steel (Hot-Dip Galvanized optional)
Service: Hanger for CPVC pipe in the horizontal position on the bottom and side of structural wood beams, composite beams. It can also be used as a guide to limit movement for pipe in the vertical position. When used on composite wood beams, web thickness must be 3/8" or greater.
Approvals: UL and ULC Listed.
Ordering: Specify part number



HS03 Two Hole 90° Side Mount Strap



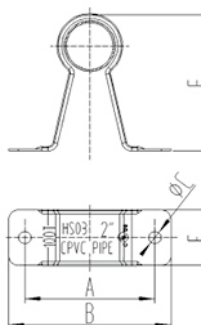
HS03: DIMENSIONS (IN) · WEIGHT (LBS)

CPVC Pipe Size	A In.	B In.	ΦC In.	E In.	F In.	Max. Hanger Spacing(FT.)	Approx Weight/100(1bs)	UL
3/4	1 ²⁵ / ₃₂	1 ¹ / ₂	1/4	1 ¹ / ₈	2 ⁵ / ₈	5 ¹ / ₂	5	UL
1	2 ¹ / ₁₆	1 ⁵ / ₈			2 ⁷ / ₈	6	6	UL
1 ¹ / ₄	2 ¹³ / ₃₂	1 ³ / ₄			3 ¹ / ₄	6 ¹ / ₂	7	UL
1 ¹ / ₂	2 ²¹ / ₃₂	1 ⁷ / ₈			3 ¹ / ₂	7	8	UL
2	3 ¹ / ₈	2 ¹ / ₈			3 ⁷ / ₈	8	9	UL

Size Range: 3/4" through 2"
Material: Carbon steel
Finish: Zinc Plated Steel (Hot-Dip Galvanized optional)
Service: Hanger for CPVC pipe in the horizontal position on the bottom of structural wood beams. During installation, adjust hanger mounting flanges such that pipe contacts both mounting surface and hanger, minimizing vertical pipe movement.
Approvals: UL and ULC Listed.
Ordering: Specify part number



HS04 Two Hole Standoff Strap



HS04: DIMENSIONS (IN) · WEIGHT (LBS)

CPVC Pipe Size	A In.	B In.	ΦC In.	E In.	F In.	Max. Hanger Spacing(FT.)	Approx Weight/100(1bs)	UL
3/4	2 ⁵ / ₈	3 ¹ / ₄	1/4	1 ¹ / ₈	2 ³ / ₄	5 ¹ / ₂	5	UL
1	2 ²¹ / ₃₂	3 ⁵ / ₁₆			3	6	6	UL
1 ¹ / ₄	3	3 ¹¹ / ₁₆			3 ³ / ₈	6 ¹ / ₂	7	UL
1 ¹ / ₂	3 ⁵ / ₈	4 ¹ / ₄			3 ⁵ / ₈	7	8	UL
2	4	4 ²¹ / ₃₂			4 ¹ / ₈	8	9	UL

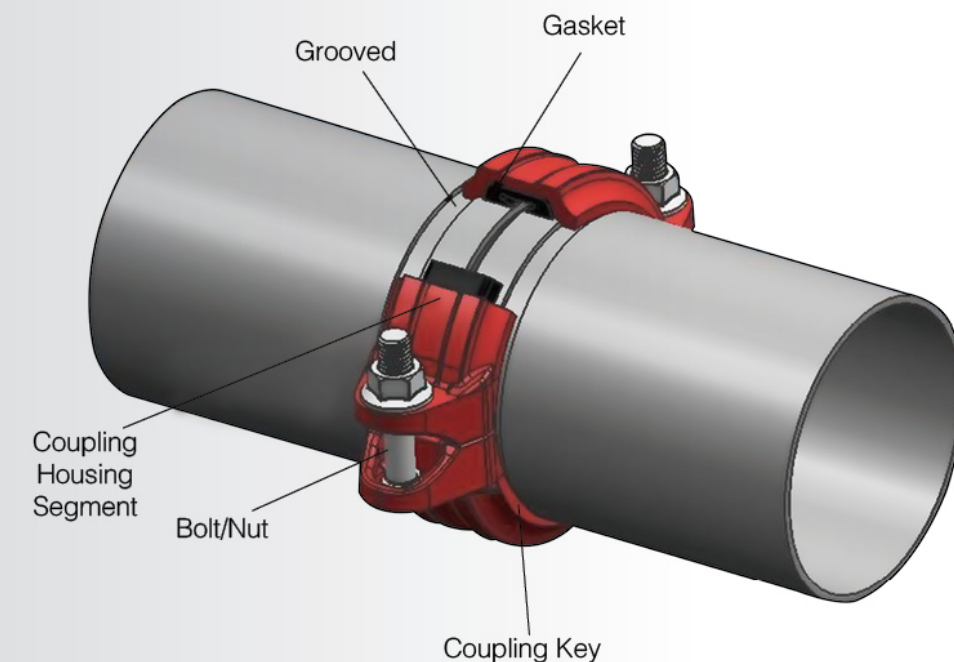
Size Range: 3/4" through 2"
Material: Carbon steel
Finish: Zinc Plated Steel (Hot-Dip Galvanized optional)
Service: Hanger for CPVC pipe in the horizontal position on the bottom of structural wood beams. It can also be used as a guide to limit movement for a pipe in the horizontal/vertical position on the side of structural wood beams, composite wood beams.
Approvals: UL and ULC Listed.
Ordering: Specify part number



Rigid & Flexible Couplings

Grooved mechanical couplings (GMC) are available in both rigid and flexible models. A rigid coupling is used in applications where a rigid joint is desired, similar to that of a traditional flanged, welded, or threaded connection. To be considered rigid, a coupling would allow less than one degree of deflection or angular movement.

Flexible couplings are designed to accommodate axial displacement, rotation and a minimum one degree of angular movement. Flexible couplings are used in applications that call for curved or deflected layouts or when systems are exposed to outside forces beyond normal static conditions. such as seismic events or where vibration or noise attenuation are a concern.



XGQT02 Flexible Coupling

Grooved couplings become less flexible as the pipe size increases. For sizes in excess of 18"(450mm) couplings are very limited in their angular movement.