

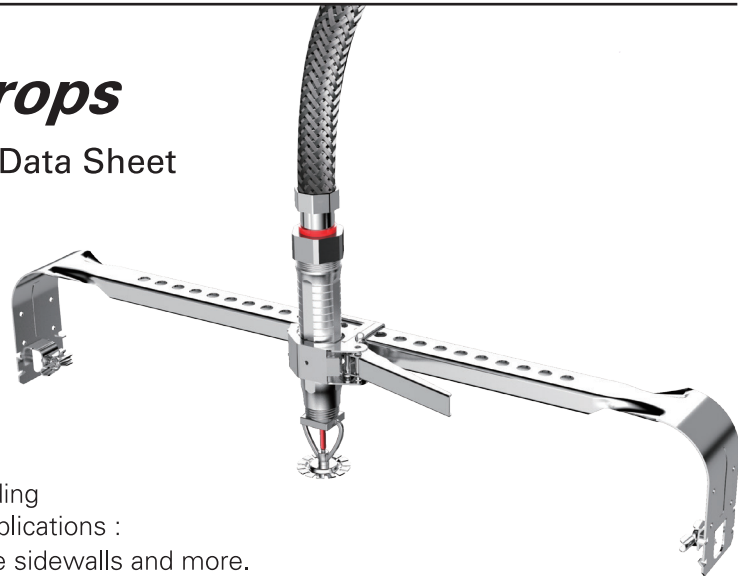


Flexible Sprinkler Drops

Braided Flexible Sprinkler Connection Data Sheet

EASYFLEX Flexible Sprinkler Drops are designed to significantly reduce labor and installation costs. By eliminating the need for pipe cutting and midline connections, you save valuable time and money.

Easyflex flexible sprinkler connections offer braided and unbraided flexible hoses in 2', 3', 4', 5' and 6' with top loading or front loading brackets for variety of ceiling and wall applications : T-Bars, metal studs, hat channels, wood beams, concrete sidewalls and more. The system is qualified to be installed at commercial, hotel, retail, restaurants, cultural, entertainment, educational, government, healthcare and religious buildings.



EASYFLEX Flexible Sprinkler Drops Appliance Standards

National Fire Protection Association (NFPA) :

- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for Installation of Sprinkler Systems in residential Occupancies up to and including four stories in height
- NFPA 13 Section 9.2.1.3.3.3: No hangers are required for flexible connections as long as the length does not exceed 6ft.

American Society for Testing and Methods (ASTM) :

- ASTM C635: Standard specifications for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings
- ASTM C636: Standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels

Factory Mutual (FM), FM Class No, 1637 :

- Approved standard for flexible sprinkler hose with threaded end fittings

Underwriter's Laboratories, Inc. (UL), UL 2443 :

- Standard for flexible sprinkler hose with fittings for fire protection service.

International Building Code (IBC) Section 1621 / American Society of Civil Engineers (ASCE) 7 9.6.2.6.2 & 9.6.2.6.2.2 :

- Flexible Sprinkler Connections are the alternative Solution to install without Seismic Escutcheons (Oops Ring)

Job Name :

Engineer / Architect :

Job Location :

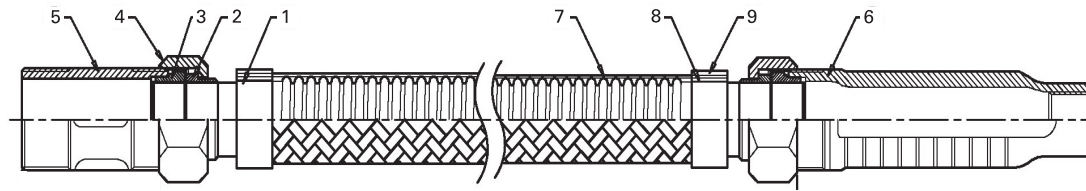
Wholesaler :

Submittal Date :

Contractor :



BRAIDED FLEXIBLE HOSE



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER
7. BRAID
8. PRESS RING (INNER)
9. PRESS RING (OUTER)

SPECIFICATIONS

Lengths Available	24", 36", 48", 60" and 72"
Outlet	1/2" or 3/4"
Hose Type	Braided

Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	175 psig

- * No hangers and seismic escutcheons required
- * Required torque to assemble reducer and nipple with the flexible hose : 50 ft-lb

Hose	Stainless Steel 304
Nut & Nipple	Zinc-Plated Steel
Sealing Gasket / Isolation Ring	EPDM/ NYLON

Minimum Bend Radius	4" (UL/ULC) and 8" (FM) * DO NOT bend within 2.52 inches from connection nuts	
Connection	Inlet	1"NPT
	Outlet	1/2" or 3/4"NPT

FRICTION LOSS DATA EFB Series Braided Hose TBS Bracket Systems.

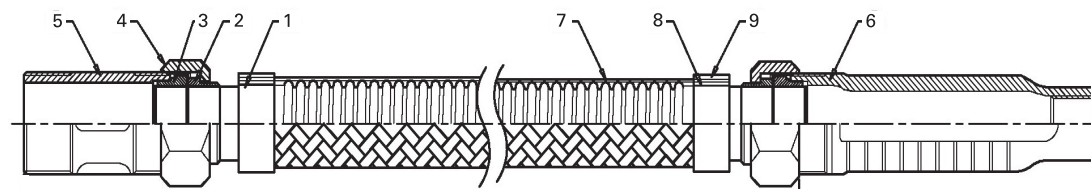


Length (in.)	Outlet Connection	K-Factor	Max. Number of 90° Bends	Equivalent Length of 1 in. Schedule 40 Pipe, ft.
24"	1/2"	5.6	1	18
	3/4"	8.0	1	18
36"	1/2"	5.6	2	31
	3/4"	8.0	2	34
48"	1/2"	5.6	3	48
	3/4"	8.0	3	51
60"	1/2"	5.6	4	60
	3/4"	8.0	4	65
72"	1/2"	5.6	4	71
	3/4"	8.0	4	72

* UL : 4" minimum bend radius, where C=120



BRAIDED FLEXIBLE HOSE



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER
7. BRAID
8. PRESS RING (INNER)
9. PRESS RING (OUTER)

SPECIFICATIONS

Lengths Available	24", 36", 48", 60" and 72"
Outlet	1/2" or 3/4"
Hose Type	Braided

Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	175 psig

- * No hangers and seismic escutcheons required
- * Required torque to assemble reducer and nipple with the flexible hose : 50 ft-lb

Hose	Stainless Steel 304
Nut & Nipple	Zinc-Plated Steel
Sealing Gasket / Isolation Ring	EPDM/ NYLON

Minimum Bend Radius	4" (UL/ULC) and 8" (FM) * DO NOT bend within 2.52 inches from connection nuts	
Connection	Inlet	1"NPT
	Outlet	1/2" or 3/4"NPT

FRICTION LOSS DATA EFB Series Braided Hose OGSB, TBS Bracket Systems.



Length (in.)	Outlet Connection	K-Factor	Max. Number of 90° Bends	Equivalent Length of 1 in. Schedule 40 Pipe, ft.
24"	1/2"	5.6	1	27.0
	3/4"	8.0	1	18.6
36"	1/2"	5.6	2	37.4
	3/4"	8.0	2	30.4
48"	1/2"	5.6	3	54.9
	3/4"	8.0	3	48.3
60"	1/2"	5.6	4	72.5
	3/4"	8.0	4	66.2
72"	1/2"	5.6	4	90.5
	3/4"	8.0	4	83.0

* FM : 8" minimum bend radius, where C=120

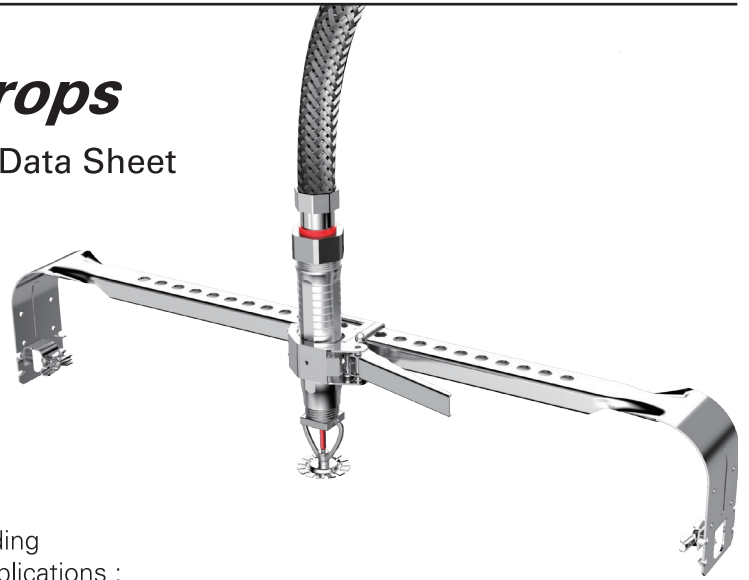


Flexible Sprinkler Drops

Braided Flexible Sprinkler Connection Data Sheet (High Performance)

EASYFLEX Flexible Sprinkler Drops are designed to significantly reduce labor and installation costs. By eliminating the need for pipe cutting and midline connections, you save valuable time and money.

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- Approved standard for flexible sprinkler hose with threaded end fittings

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- Flexible Sprinkler Connections are the alternative Solution to install without Seismic Escutcheons (Oops Ring)

Job Name :

Engineer / Architect :

Job Location :

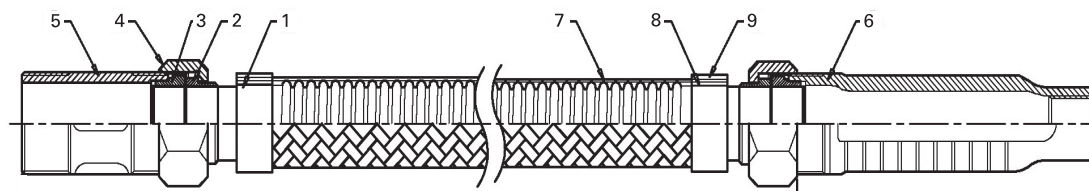
Wholesaler :

Submittal Date :

Contractor :



BRAIDED FLEXIBLE HOSE (High Performance)



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER
7. BRAID
8. PRESS RING (INNER)
9. PRESS RING (OUTER)

SPECIFICATIONS

Lengths Available	24", 36", 48", 60" and 72"
Outlet	1/2" or 3/4"
Hose Type	Braided
Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	175 psig

- * No hangers and seismic escutcheons required
- * Required torque to assemble reducer and nipple with the flexible hose : 50 ft-lb

Hose	Stainless Steel 304	
Nut & Nipple	Zinc-Plated Steel	
Sealing Gasket / Isolation Ring	EPDM/ NYLON	
Minimum Bend Radius	8" (FM) * DO NOT bend within 2.52 inches from connection nuts	
Connection	Inlet	1"NPT
	Outlet	1/2" or 3/4"NPT

FRICTION LOSS DATA EFB HP Series Braided Hose OGSB, TBS Bracket Systems.



Length (in.)	Outlet Connection	K-Factor	Max. Number of 90° Bends	Equivalent Length of 1 in. Schedule 40 Pipe, ft.
24"	1/2"	5.6	1	17.8
	3/4"	8.0	1	8.3
	3/4"	14.0	1	8.3
36"	1/2"	5.6	2	23.0
	3/4"	8.0	2	13.9
	3/4"	14.0	2	13.7
48"	1/2"	5.6	3	30.2
	3/4"	8.0	3	21.7
	3/4"	14.0	3	21.6
60"	1/2"	5.6	4	37.4
	3/4"	8.0	4	29.5
	3/4"	14.0	4	29.5
72"	1/2"	5.6	4	43.3
	3/4"	8.0	4	34.5
	3/4"	14.0	4	33.2

* FM : 8" minimum bend radius, where C=120

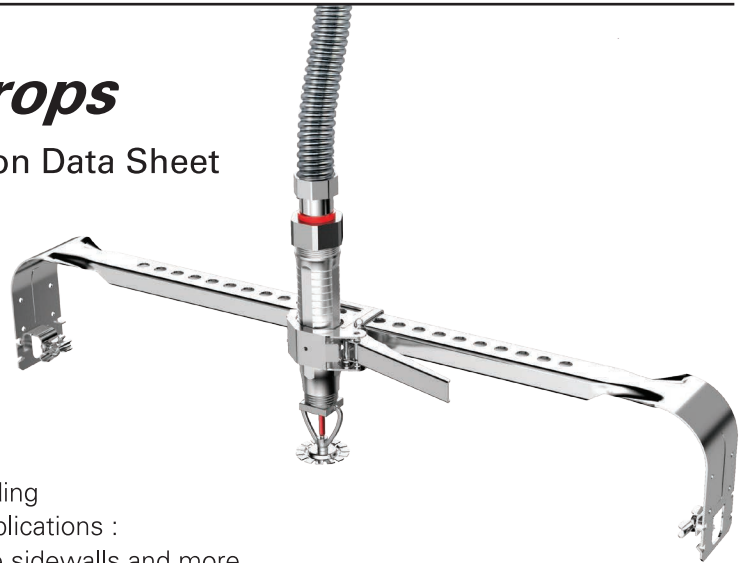


Flexible Sprinkler Drops

Unbraided Flexible Sprinkler Connection Data Sheet

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Job Location :

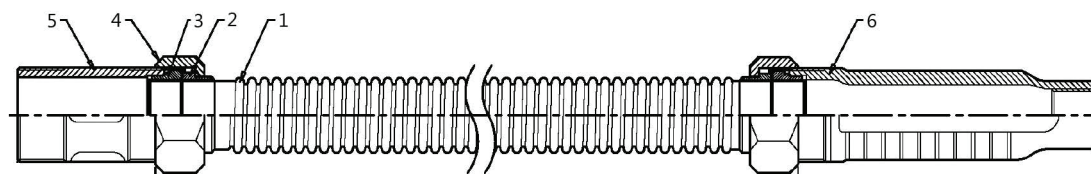
Wholesaler :

Submittal Date :

Contractor :



UNBRAIDED FLEXIBLE HOSE



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER

SPECIFICATIONS

Lengths Available	28", 40", 48", 60" and 67"
Outlet	1/2" or 3/4"
Hose Type	Unbraided

Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	175 psig

- * No hangers and seismic escutcheons required
- * Required torque to assemble reducer and nipple with the flexible hose : 50 ft-lb

Hose	Stainless Steel 304
Nut & Nipple	Zinc-Plated Steel
Sealing Gasket / Isolation Ring	EPDM/ NYLON

Minimum Bend Radius	6" (UL/ULC) * DO NOT bend within 2.52 inches from connection nuts	
Connection	Inlet	1"NPT
	Outlet	1/2" or 3/4"NPT

FRICTION LOSS DATA EFU Series Unbraided Hose TBS-PA Bracket Systems.



Length (in.)	Outlet Connection	K-Factor	Max. Number of 90° Bends	Equivalent Length of 1 in. Schedule 40 Pipe, ft.
28"	1/2"	5.6	1	18
	3/4"	8.0	1	22
40"	1/2"	5.6	2	32
	3/4"	8.0	2	39
48"	1/2"	5.6	2	38
	3/4"	8.0	2	44
60"	1/2"	5.6	3	55
	3/4"	8.0	3	61
67"	1/2"	5.6	3	63
	3/4"	8.0	3	83

* UL : 6" minimum bend radius, where C=120

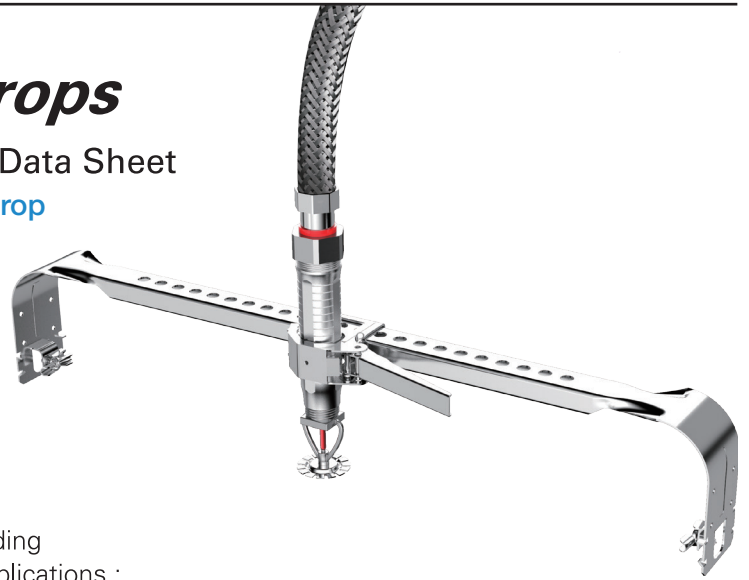


Flexible Sprinkler Drops

Braided Flexible Sprinkler Connection Data Sheet (Ultra Performance) 1-1/4" Braided Flex Drop

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Job Name :

Engineer / Architect :

Job Location :

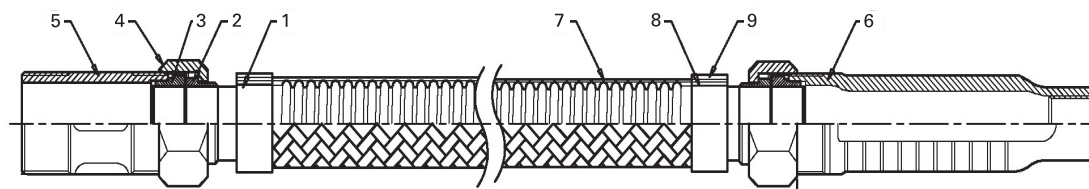
Wholesaler :

Submittal Date :

Contractor :



BRAIDED FLEXIBLE HOSE (Ultra Performance) 1-1/4" Braided Flex Drop



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER
7. BRAID
8. PRESS RING (INNER)
9. PRESS RING (OUTER)

SPECIFICATIONS

Lengths Available	24", 36", 48", 60" and 72"
Outlet	1/2" or 3/4"
Hose Type	Braided

Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	225 psig

- * No hangers and seismic escutcheons required
- * Required torque to assemble reducer and nipple with the flexible hose : 50 ft-lb

Hose	Stainless Steel 304
Nut & Nipple	Zinc-Plated Steel
Sealing Gasket / Isolation Ring	EPDM/ NYLON

Minimum Bend Radius	6.5" (FM) * DO NOT bend within 2.52 inches from connection nuts	
Connection	Inlet	1"NPT
	Outlet	1/2" or 3/4"NPT

FRICTION LOSS DATA EFB UP Series Braided Hose OGSB, TBS Bracket Systems.




Length (in.)	Outlet Connection	K-Factor	Max. Number of 90° Bends	Equivalent Length of 1 in. Schedule 40 Pipe, ft.
24"	1/2"	5.6 / 8.0	1	2.1 / 3.6
	3/4"	8.0 / 14.0	1	3.6 / 3.8
36"	1/2"	5.6 / 8.0	2	4.5 / 5.1
	3/4"	8.0 / 14.0	2	6 / 6
48"	1/2"	5.6 / 8.0	3	6.9 / 6.6
	3/4"	8.0 / 14.0	3	8.4 / 8.3
60"	1/2"	5.6 / 8.0	4	9.4 / 8.1
	3/4"	8.0 / 14.0	4	10.9 / 10.6
72"	1/2"	5.6 / 8.0	4	11.9 / 9.7
	3/4"	8.0 / 14.0	4	13.4 / 12.9

* FM : 6.5" minimum bend radius, where C=120




Flexible Sprinkler Connection Parts List


UNBRAIDED FLEXIBLE HOSE

Image	Part #	Description	Part #	Description
	EFU 228	1/2"x28" Unbraided hose	EFU 328	3/4"x28" Unbraided hose
	EFU 240	1/2"x40" Unbraided hose	EFU 340	3/4"x40" Unbraided hose
	EFU 248	1/2"x48" Unbraided hose	EFU 348	3/4"x48" Unbraided hose
	EFU 260	1/2"x60" Unbraided hose	EFU 360	3/4"x60" Unbraided hose
	EFU 267	1/2"x67" Unbraided hose	EFU 367	3/4"x67" Unbraided hose


BRAIDED FLEXIBLE HOSE

Image	Part #	Description	Part #	Description
	EFB 224	1/2"x24" Braided hose	EFB 324	3/4"x24" Braided hose
	EFB 236	1/2"x36" Braided hose	EFB 336	3/4"x36" Braided hose
	EFB 248	1/2"x48" Braided hose	EFB 348	3/4"x48" Braided hose
	EFB 260	1/2"x60" Braided hose	EFB 360	3/4"x60" Braided hose
	EFB 272	1/2"x72" Braided hose	EFB 372	3/4"x72" Braided hose

BRAIDED FLEXIBLE HOSE (High Performance)

Image	Part #	Description	Part #	Description
	EFB 224 HP	1/2"x24" Braided hose	EFB 324 HP	3/4"x24" Braided hose
	EFB 236 HP	1/2"x36" Braided hose	EFB 336 HP	3/4"x36" Braided hose
	EFB 248 HP	1/2"x48" Braided hose	EFB 348 HP	3/4"x48" Braided hose
	EFB 260 HP	1/2"x60" Braided hose	EFB 360 HP	3/4"x60" Braided hose
	EFB 272 HP	1/2"x72" Braided hose	EFB 372 HP	3/4"x72" Braided hose

BRAIDED FLEXIBLE HOSE (Ultra Performance)

Image	Part #	Description	Part #	Description
	EFB 224 UP	1/2"x24" Braided hose	EFB 324 UP	3/4"x24" Braided hose
	EFB 231 UP	1/2"x31" Braided hose	EFB 331 UP	3/4"x31" Braided hose
	EFB 240 UP	1/2"x40" Braided hose	EFB 340 UP	3/4"x40" Braided hose
	EFB 248 UP	1/2"x48" Braided hose	EFB 348 UP	3/4"x48" Braided hose
	EFB 260 UP	1/2"x60" Braided hose	EFB 360 UP	3/4"x60" Braided hose
	EFB 267 UP	1/2"x67" Braided hose	EFB 367 UP	3/4"x67" Braided hose
	EFB 272 UP	1/2"x72" Braided hose	EFB 372 UP	3/4"x72" Braided hose

**Reducer & Nipple**

Image	Part #	Description
	RDL 12	Reducer 1/2" × 6"TXT (MXF)
	RDL 34	Reducer 3/4" × 6"TXT (MXF)
	LRDS 12 or 34 LRDL 12 or 34	Elbow Reducer Short Elbow Reducer Long

Image	Part #	Description
	RD 127 or 347	7" Reducer
	RD 128 or 348	8" Reducer
	RD 129 or 349	9" Reducer
	NP 1	Nipple 1" × 2-3/8"
	SQ25	25" Stock Bar
	SQ50	50" Stock Bar

Center Bracket & End Bracket & One Piece Bracket

Image	Part #	Description
	SSB	Snap Clamp Center Bracket For Stock Bar
	OSSB	Open Gate Snap Center Bracket For Stock Bar
	OSSBW	Open Gate Snap Side Wall Bracket For Stock Bar
	OSSBJ	Open Gate Bracket With Mounting Threaded Rod
	TBS	Snap On T-Bar End Bracket (for recessed or concealed heads)
	HCB	Hat Furring Channel End Bracket

Image	Part #	Description
	MSB	Metal Stud End Bracket
	WSB	Wood Beam Stud End Bracket
	OTBS-PA	Pre-assembled 24" or 48"
	TBS-PA	Pre-assembled 24" or 48"
	OGSB-02	Open Gate Snap System Bracket

Image	Part #	Description
	GR	EPDM Gasket

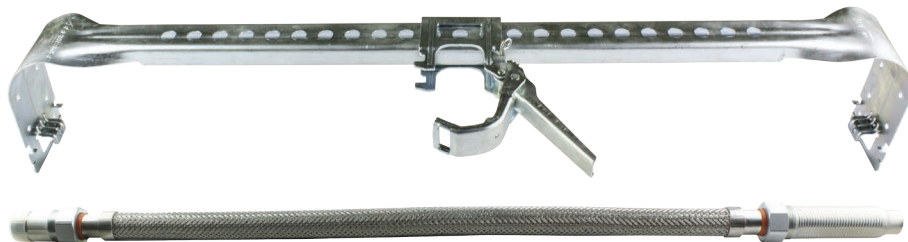
Image	Part#	Description
	PR	NYLON Isolation Ring



Flexible Sprinkler Connection

for Commercial Application

Bracket for Suspended Ceilings | OGSB - 02



WARNING

- You must read and understand all instructions and warnings before attempting to install any EASYFLEX Sprinkler Drop System components.
- Failure to follow these instructions could cause improper operation resulting in serious injury of person, property or worse.
- We recommend wearing safety glasses, a hard hat and foot protection during installation.

REQUIRED SYSTEM PARTS

Flexible Hose (Braided / Unbraided)

OGSB One Piece Bracket

REQUIRED TOOL

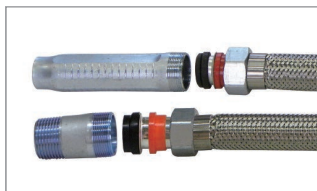
Pipe Wrench

PTFE Tape

- 1 Inspect the EASYFLEX sprinkler drop system components for any sign of physical damage. Make sure all components are in proper place.



- 2 Disconnect the Inlet Nipple and Outlet Reducer from the Flexible Hose and check that a Sealing Gasket is in each place properly.
Reconnect Outlet Reducer to the Flexible Hose.



- 3 Apply 7 to 10 wraps of PTFE tape on the Inlet Nipple Thread. Use pipe wrench to connect the Inlet Nipple to the branch line. Torque range should be minimum of 50 to maximum of 58 ft-lbs. Make sure both end threads are clean without any damage.



- 4 Use the pipe wrench to connect the Flexible Hose to the Outlet Nipple. Torque range should be a minimum of 50 to a maximum of 58 ft-lbs.



• DO NOT use PTFE tape on the Outlet Nipple thread to connect to the Flexible Hose.





- 5** Place the OGSB-02 at the desired position on the ceiling grid.



- 6** Once OGSB-02 is positioned, tighten the wing bolts to secure onto the grid.



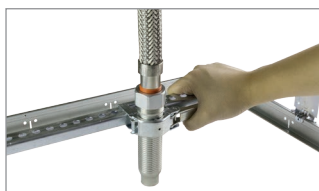
- 7** When securely latched on, open the center bracket gate and load the hose.



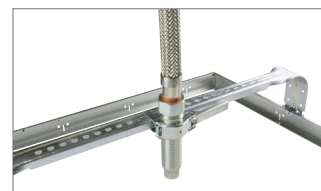
- 8** Close the gate of the center bracket from left to right.



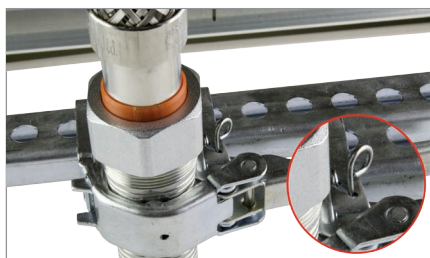
- 9** Firmly push the lever toward the stock bar to secure the flexible drop.



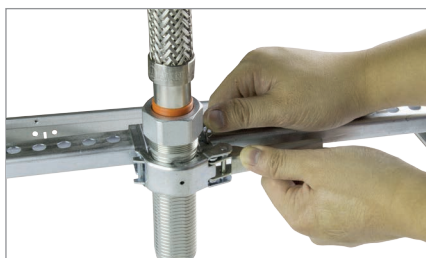
- 10** Installation is complete!



When it is necessary to re-position the flexible drop, follow the below steps to release the center gate.



Locate the ring-shaped wire hook on the bracket. (pictured above)



Push the wire hook and grab the lever.



Pull the lever until the gate opens.



Flexible Sprinkler Connection

for Commercial Application

Bracket for Suspended Ceilings | TBS



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- We recommend wearing safety glasses, a hard hat and foot protection during installation.

REQUIRED SYSTEM PARTS

Flexible Hose (Braided / Unbraided)

TBS End Brackets, SSB or OSSB, SQ 25 or 50

REQUIRED TOOL

Pipe Wrench

PTFE Tape

- 1 Inspect the EASYFLEX sprinkler drop system components for any sign of physical damage. Make sure all components are in proper place.



- 2 Disconnect the Inlet Nipple and Outlet Reducer from the Flexible Hose and check that a Sealing Gasket is in each place properly.
Reconnect Outlet Reducer to the Flexible Hose.



- 3 Apply 7 to 10 wraps of PTFE tape on the Inlet Nipple Thread. Use pipe wrench to connect the Inlet Nipple to the branch line. Torque range should be minimum of 50 to maximum of 58 ft-lbs. Make sure both end threads are clean without any damage.



- 4 Use the pipe wrench to connect the Flexible Hose to the Outlet Nipple. Torque range should be a minimum of 50 to a maximum of 58 ft-lbs.



• DO NOT use PTFE tape on the Outlet Nipple thread to connect to the Flexible Hose.





- 5** Attach TBS mounting bracket to the T-Bar ceiling grid. Fasten TBS bracket into the T-Bar ceiling grid until the clip is fully latched onto the T-Bar. Hand tighten the wing bolt on the TBS bracket to tightly secure on the grid. Insert Stock Bar into the TBS mounting brackets.



DO NOT

over tighten the wing bolt with tools.
This may cause damage to the wing bolt.

- 6** Insert Stock Bar (SQ 25 or SQ 50) through the SSB Center Snap Clamp Bracket



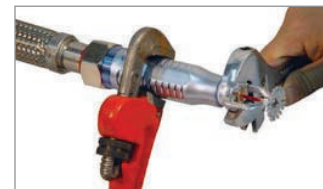
- 7** Hand tighten the wing bolt on the TBS bracket to tightly secure on the grid. Adjust the Stock Bar for proper position and push the levers in the TBS brackets towards the inside of the configuration to secure with Stock Bar.



- 8** Place the SSB Center Bracket at the desired position and insert the Outlet Reducer from the Flexible Hose into the SSB. Adjust height for proper position and push down the lever of the SSB to secure the hose in place.



- 9** Install sprinkler head.
Use PTFE tape or a non-hardening pipe-joint compound. Refer to the NFPA guidelines and sprinkler head manufacturer's installation instructions for proper installation.





Flexible Sprinkler Connection

for Commercial Application

Brackets for Hard Lid Ceilings | HCB



WARNING

- You must read and understand all instructions and warnings before attempting to install any EASYFLEX Sprinkler Drop System components.
- Failure to follow these instructions could cause improper operation resulting in serious injury of person, property or worse.
- We recommend wearing safety glasses, a hard hat and foot protection during installation.

REQUIRED SYSTEM PARTS

Flexible Hose (Braided / Unbraided)

HCB End Brackets, SSB or OSSB, SQ 25 or 50

REQUIRED TOOL

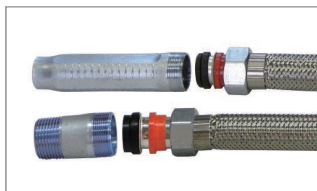
Pipe Wrench

PTFE Tape

- 1 Inspect the EASYFLEX sprinkler drop system components for any sign of physical damage. Make sure all components are in proper place.



- 2 Disconnect the Inlet Nipple and Outlet Reducer from the Flexible Hose and check that a Sealing Gasket is in each place properly.
Reconnect Outlet Reducer to the Flexible Hose.



- 3 Apply 7 to 10 wraps of PTFE tape on the Inlet Nipple Thread. Use pipe wrench to connect the Inlet Nipple to the branch line. Torque range should be minimum of 50 to maximum of 58 ft-lbs. Make sure both end threads are clean without any damage.



- 4 Use the pipe wrench to connect the Flexible Hose to the Outlet Nipple. Torque range should be a minimum of 50 to a maximum of 58 ft-lbs.



• **DO NOT** use PTFE tape on the Outlet Nipple thread to connect to the Flexible Hose.





- 5** Attach HCB to hat channel. Make sure a slot in HCB fits with the wing of hat channel grid. Hand tighten the wing bolt into the hat channel. Repeat for the other bracket.



DO NOT

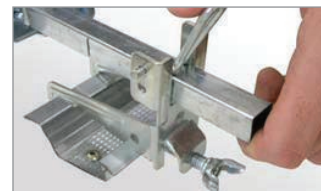
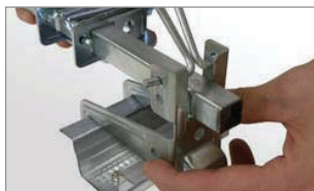
over tighten the wing bolt with tools.
This may cause damage to the wing bolt.



- 6** Insert Stock Bar (SQ 25 or SQ 50) through SSB.



- 7** Insert Stock Bar through the Hat Channel Brackets. Adjust the stock bar for proper position and push the levers in HCB to secure with Stock Bar.



- 8** Insert the Outlet Reducer from Flexible Hose in to the center bracket and adjust height for proper position. Pull up the lever in SSB to secure.



- 9** Install sprinkler head.
Use PTFE tape or a non-hardening pipe-joint compound. Refer to the NFPA guidelines and sprinkler head manufacturer's installation instruction for proper installation.





Flexible Sprinkler Connection

for Commercial Application

Brackets for Hard Lid Ceilings | MSB



WARNING

- You must read and understand all instructions and warnings before attempting to install any EASYFLEX Sprinkler Drop System components.
- Failure to follow these instructions could cause improper operation resulting in serious injury of person, property or worse.
- We recommend wearing safety glasses, a hard hat and foot protection during installation.

REQUIRED SYSTEM PARTS

Flexible Hose (Braided / Unbraided)

MSB End Brackets, SSB or OSSB, SQ 25 or 50

REQUIRED TOOL

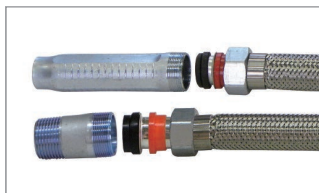
Pipe Wrench

PTFE Tape

- 1 Inspect the EASYFLEX sprinkler drop system components for any sign of physical damage. Make sure all components are in proper place.



- 2 Disconnect the Inlet Nipple and Outlet Reducer from the Flexible Hose and check that a Sealing Gasket is in each place properly.
Reconnect Outlet Reducer to the Flexible Hose.



- 3 Apply 7 to 10 wraps of PTFE tape on the Inlet Nipple Thread. Use pipe wrench to connect the Inlet Nipple to the branch line. Torque range should be minimum of 50 to maximum of 58 ft-lbs. Make sure both end threads are clean without any damage.



- 4 Use the pipe wrench to connect the Flexible Hose to the Outlet Nipple. Torque range should be a minimum of 50 to a maximum of 58 ft-lbs.



• **DO NOT** use PTFE tape on the Outlet Nipple thread to connect to the Flexible Hose.





- 5** Insert Stock Bar (SQ 25 or SQ 50) through the SSB
Place Stock Bar on metal stud to the desired position.



- 6** Attach Metal Stud Bracket, MSB to the metal stud ceiling grid. Make sure a slot in MSB to fit with metal stud leg as shown on the picture. Hand tighten the wing bolt to secure MSB and metal stud. Repeat for the other bracket.



DO NOT
over tighten the wing bolt with tools.
This may cause damage to the wing bolt.

- 7** Place center bracket, SSB to the desired position and insert the Outlet Reducer into the center bracket and adjust height for proper position. Push down the lever in center bracket, SSB to secure.



- 8** Install sprinkler head.
Use PTFE tape or a non-hardening pipe-joint compound. Refer to the NFPA guidelines and sprinkler head manufacturer's installation instructions for proper installation.





Flexible Sprinkler Connection

for Commercial Application

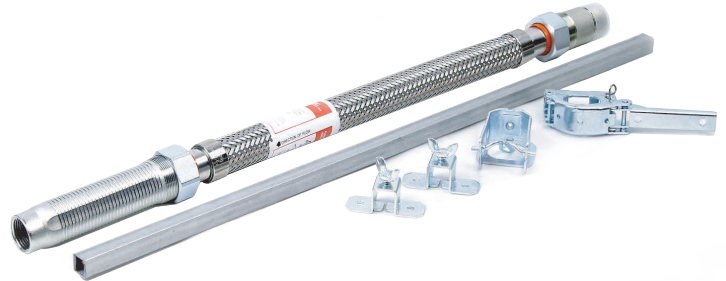
Brackets for Hard Lid Ceilings | WSB

Required System Parts

- Qty. 1 Flexible Hose (EFB or EFU)
- Qty. 2 WSB Side Brackets
- Qty. 1 Stock Bar (25" or 50")
- Qty. 1 SSB or OSSB Center Bracket

Required Tools

- Pipe Wrench
- PTFE Tape



- You must read and understand all instructions and warnings before attempting to install any EASYFLEX Sprinkler Drops system components.
- Failure to follow these instructions could cause improper operation resulting in serious personal injury of self, property, damage, or worse.
- We recommend wearing safety glasses, a hardhat, and foot protection during installation.

- 1 Inspect the EASYFLEX sprinkler drop system components for any sign of physical damage. Make sure all components are in proper place.



Disconnect the Inlet Nipple and Outlet Reducer from the Flexible Hose and check that a Sealing Gasket is in each place properly. Reconnect Outlet Reducer to the Flexible Hose.



- 2 Apply PTFE tape on the Inlet Nipple Thread. Use pipe Wrench to connect the Inlet Nipple to the branch line. Make sure both end threads are clean without any damage.



- 3 Use the pipe wrench to connect the Flexible Hose to the Outlet Nipple.

DO NOT use PTFE tape on the Outlet Nipple thread to connect to the Flexible Hose.

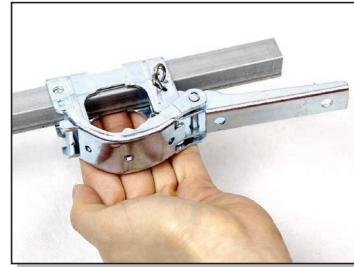




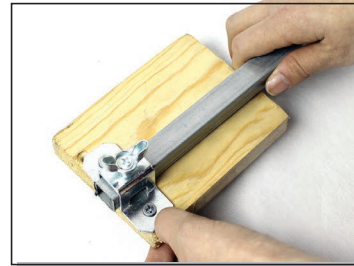
- 4** Attach WSB mounting brackets to the wood ceiling framing. Mark on the wood to properly align and locate the WSB end brackets on each side. Use a pair of #12 x 1" wood screws to attach both wings of WSB on the wood ceiling framing.



- 5** Insert Stock Bar (SQ25 or SQ50) through the Center Bracket.

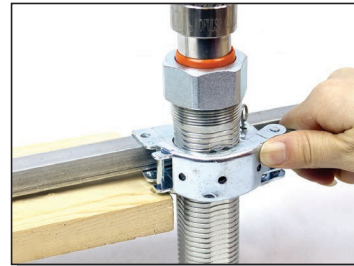


- 6** Insert Stock Bar into the WSB mounting brackets. Adjust the Stock Bar for proper position and fasten wingnut screws on the WSB brackets to secure with Stock Bar.

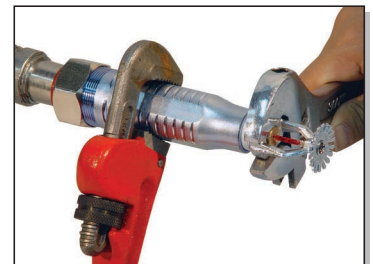
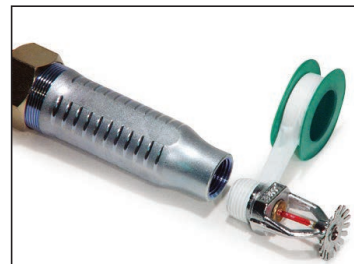


- 7** Place the Center Bracket at the desired position and insert the Outlet Reducer from the Flexible Hose into the Center Bracket

Adjust height for proper position and push down the lever of the SSB to secure the hose in place.



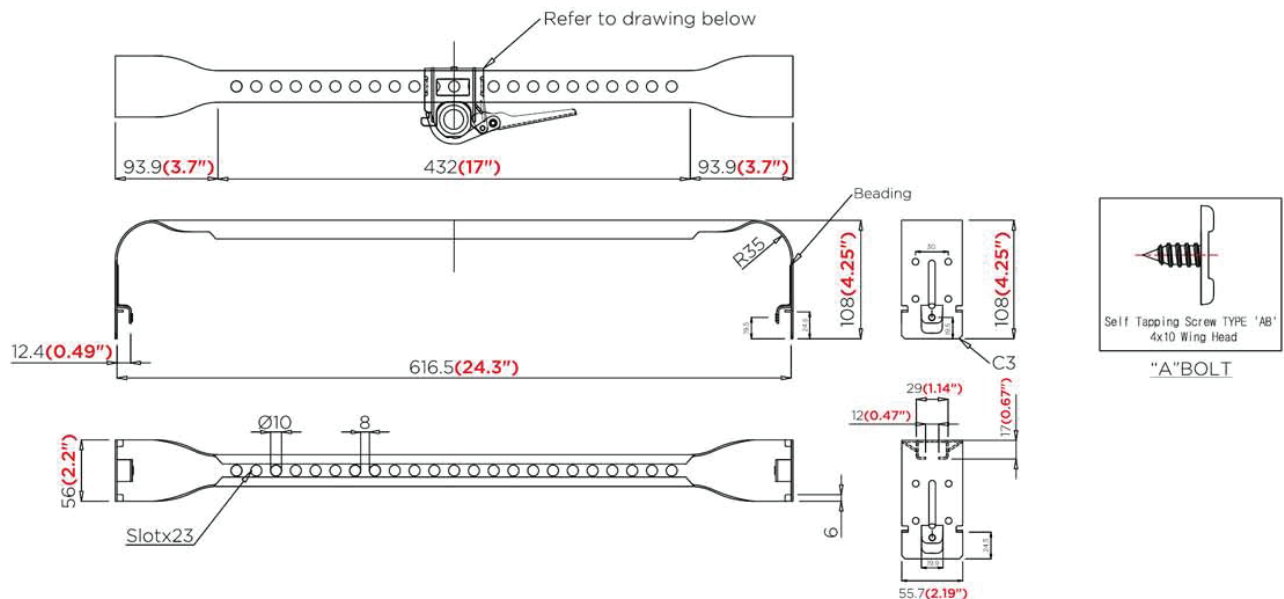
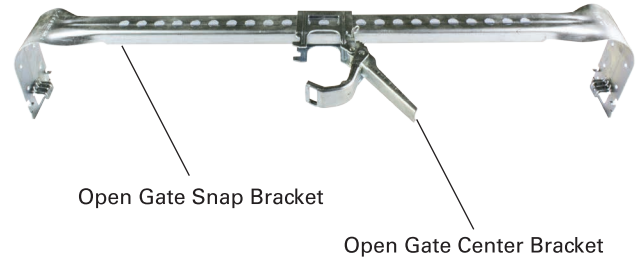
- 8** Install the sprinkler head. **USE PTFE tape** or a non-hardening pipe-joint compound. Refer to the NFPA guidelines and sprinkler head manufacturer's installation instructions for proper installation.





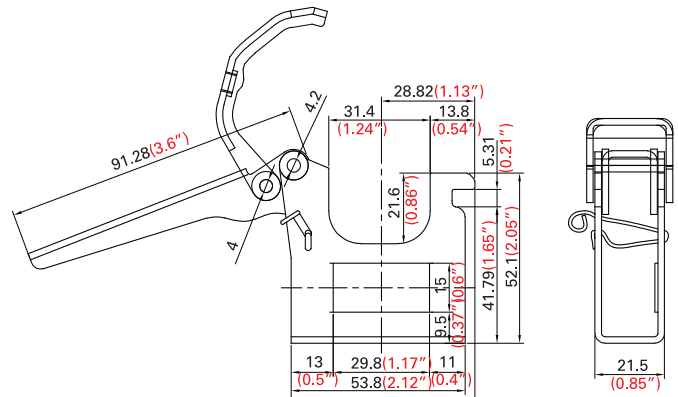
Open Gate Snap Bracket | *OGSB-02*

Scale	NS
Material	ASTM A-366
Tolerance	2.0mm, ± 0.05
Spec.	Zinc Plated
Coating durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test.



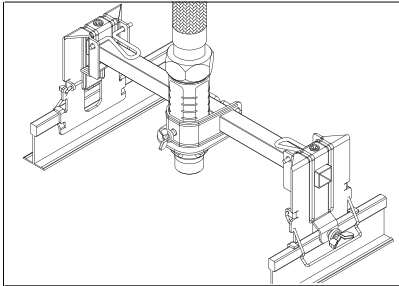
Open Gate Center Bracket | *OSSB*

Scale	NS
Material	ASTM A-526
Tolerance	± 0.3
Thickness	2.0mm, ± 0.05
Spec.	Zinc Plate
Coating durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test

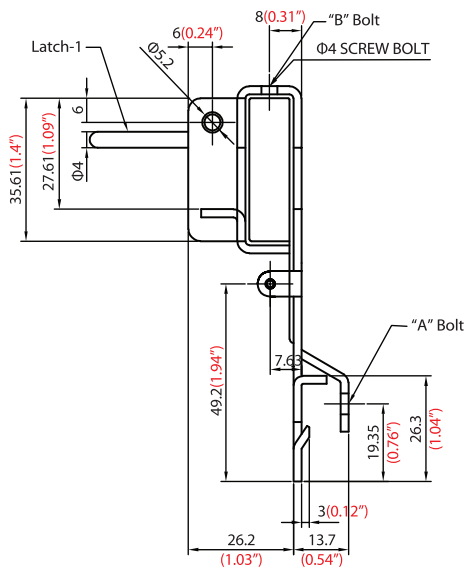
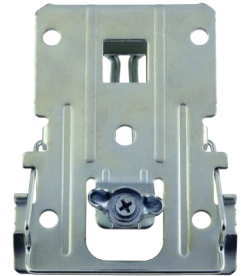


T - Bar Bracket | **TBS**

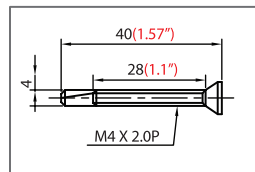
Scale	NS
Material	ASTM A-366
Tolerance	±0.3
Thickness	2.0mm, ±0.05
Spec.	Zinc Plated
Coating Durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test.



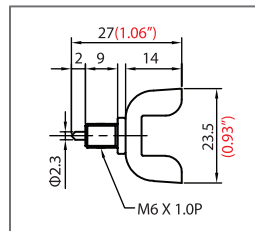
TBS : T-Bar Bracket for
Concealed or Recessed Heads



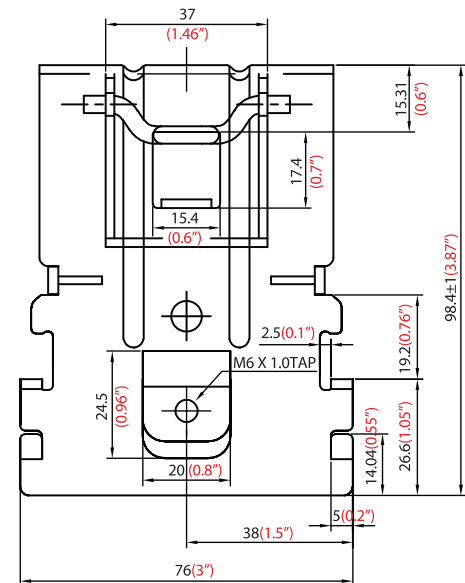
"A" BOLT MATERIAL: ASTM A-36
 "B" BOLT MATERIAL: ANSI 1010
 LATCH-1 MATERIAL: ASTM A-603



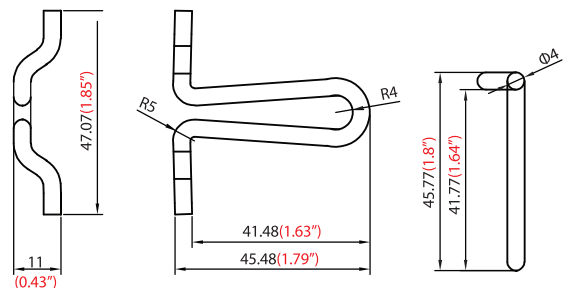
"B" Bolt



"A" Bolt

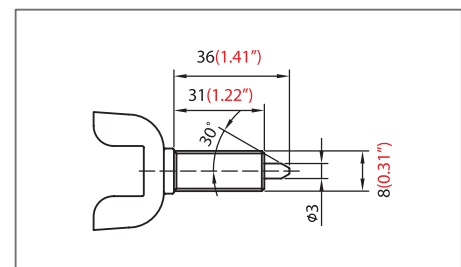
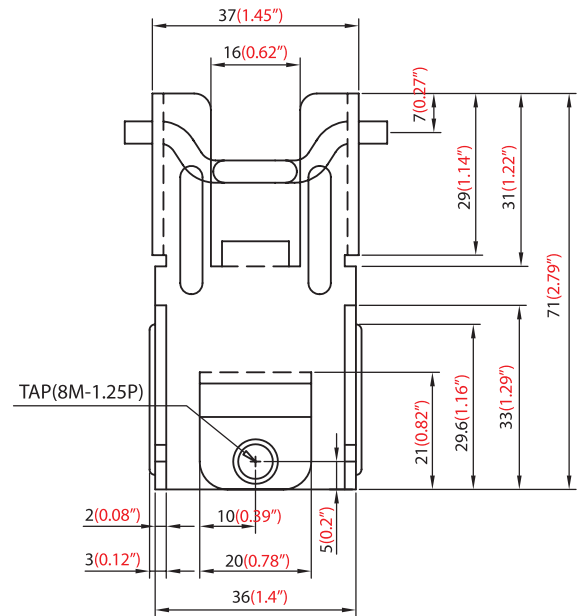
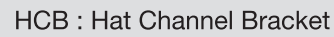


Scale	NS
Material	ASTM A-603
Tolerance	±1.0





HCB : Hat Channel Bracket

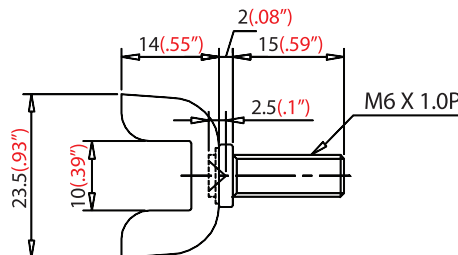
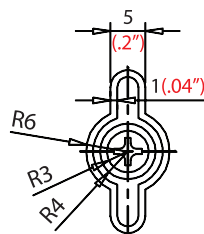
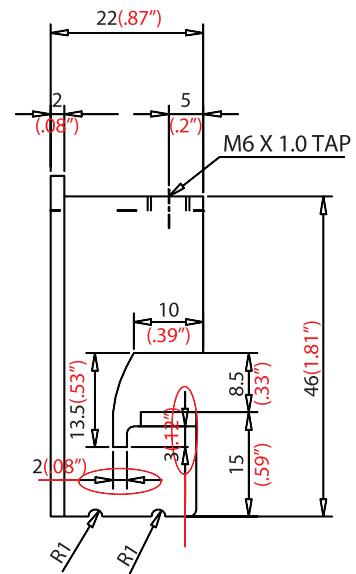
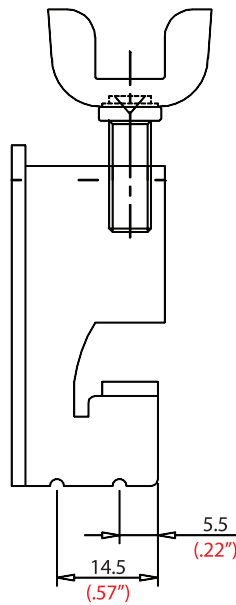
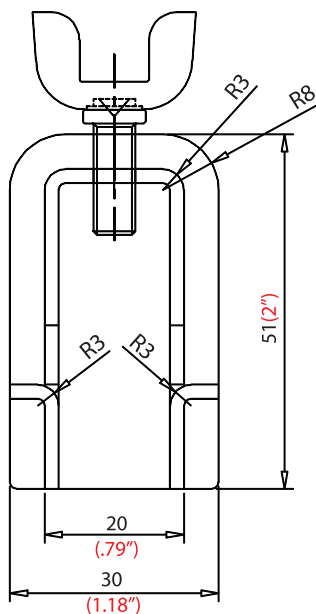
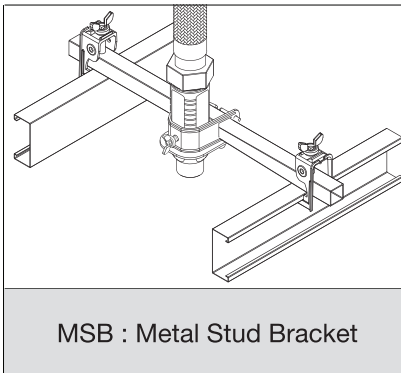


www.easyflexusa.com
Tel (Toll Free) : 888-577-8999 / Fax : 714-892-2221



Metal Stud Bracket | *MSB*

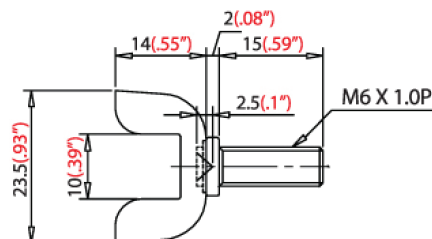
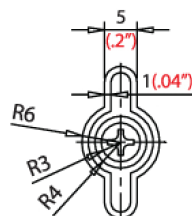
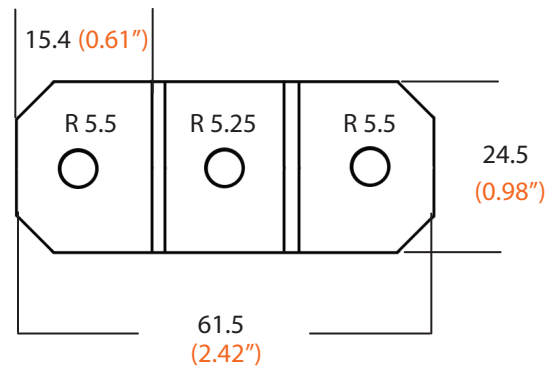
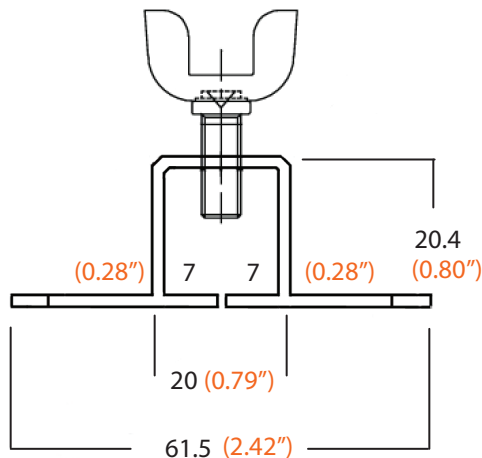
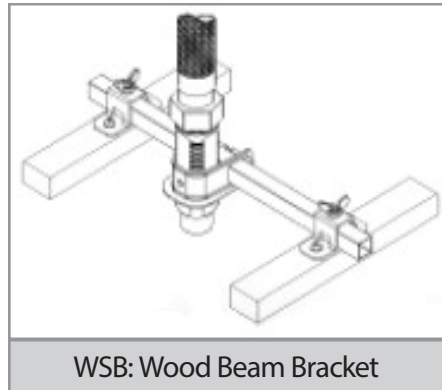
Scale	NS
Material	ASTM A-366
Tolerance	±0.2
Thickness	2.0mm
Spec.	Zinc Plated
Coating durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test.





Brackets for Wood Beam | WSB

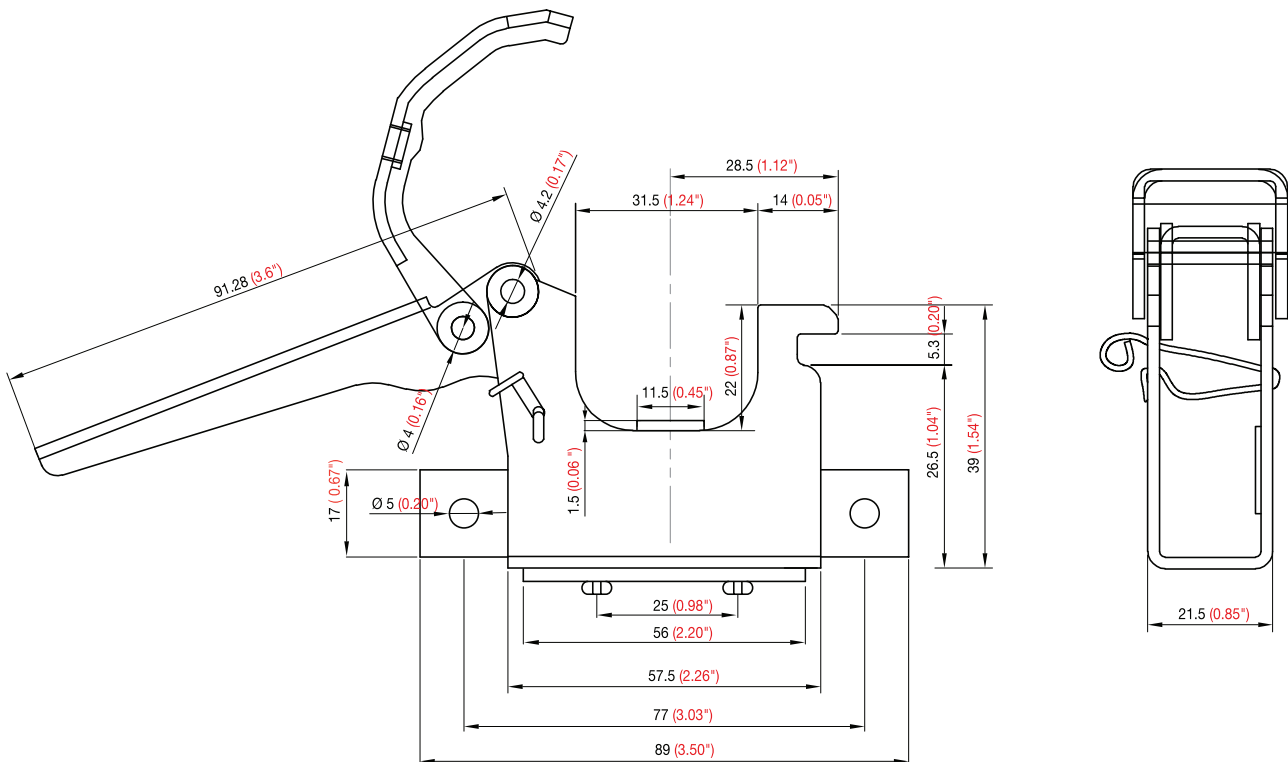
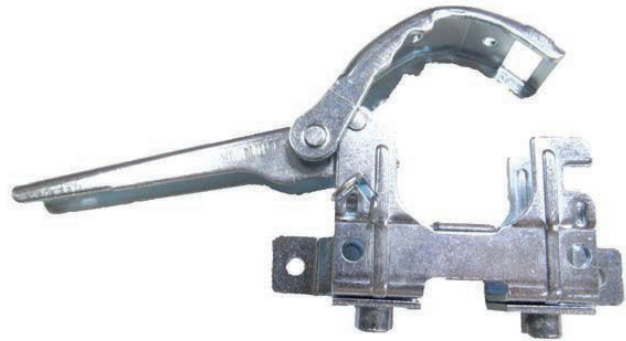
Title	Wood Beam Bracket (WSB)
Scale	NS
Material	ASTM A - 366
Tolerance	± 0.2
Thickness	2.0mm, ± 0.05
Spec.	Zinc Plate
Coating Durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test





Open Gate Snap Bracket for Side Wall | *OSSBW*

Scale	NS
Material	ASTM A-526
Tolerance	±0.3
Thickness	2.0mm, ±0.05
Spec.	Zinc Plated
Coating durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test.





Elbow Reducer | ***LRD (LRDS or LRDL)***

Scale	NS
Material	ASTM A-53, Gr A
Tolerance	±0.2
Thickness	12.7µm
Spec.	Zinc Plated
Coating durability	No indication of peeling
Anti-Corrosion	No indication of corrosion with salt spray test.

