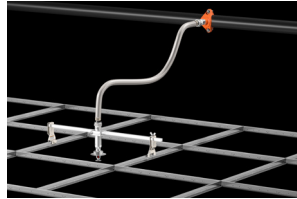


Victaulic® Vic-Flex™ Sprinkler Fittings

Series AH1 Braided Flexible Hose



1.0 PRODUCT DESCRIPTION

Available Sizes by Component

- **Series AH1 Braided Hose:** 31, 36, 48, 60, 72"/790, 914, 1220, 1525, 1830 mm. Note: length includes adapter nipple and 5.75"/140 mm straight reducer.
- **Sprinkler Reducers:** ½" and ¾"/15 and 20 mm sprinkler connections and 5.75"/140 mm, 9"/230 mm, 13"/330 mm straight lengths and short, long 90° elbows. Note: The short 90° elbow is typically used with concealed sprinklers while the long 90° elbow is typically used in the installation of recessed pendent sprinklers.
- **Adapter Nipples:** 1"/25 mm NPT or BSPT adapter nipples for attaching to pipe and fittings outlined in NFPA standards. ¾"/20 mm NPT or BSPT available for VdS. 1 ¼"/ 32mm BSPT available for LPCB.
- **Brackets:**
 - Style AB1 for suspended and hard-lid ceilings, allows installation before ceiling tiles in place
 - Style AB2 for suspended and hard-lid ceilings, allows for vertical sprinkler adjustment, and installation before ceiling tiles in place
 - Style AB3 for surface mount applications, wood, metal and block walls
 - Style AB4 for hard-lid ceilings with hat furring channel grid systems, allows for vertical sprinkler adjustment
 - Style AB5 for hard-lid ceilings, allows for vertical sprinkler adjustment
 - Style AB6 for cold storage applications, refer to submittal 10.90
 - Style AB7 for suspended and hard-lid ceilings
 - Style AB7 Adjustable for suspended and hard-lid ceilings
 - Style AB8 for hard-lid ceilings with CD 60/27 profile metal studs (regionally available)
 - Style AB9 for hard-lid ceilings with hat furring channel grid systems
 - Style AB10 for Armstrong® TechZone™ ceilings

Maximum Working Temperature

- 225°F/107°C

Maximum Working Pressure

- 200 psi/1375 kPa (FM Approval)
- 175 psi/1206 kPa (cULus Listed)
- 1600 kPa/232 psi (VdS/LPCB Approved)

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

1.0 PRODUCT DESCRIPTION (Continued)

Connections

- To adapter nipple (inlet) via 1"/25.4 mm NPT or BSPT male thread

OR

- To adapter nipple (inlet) via ¾"/20 mm BSPT male thread (VdS only)
- To sprinkler head (outlet) via ½" or ¾"/15 mm or 20 mm

Minimum Bend Radius

- 7"/178 mm (FM Approval)
- 3"/76.2 mm (cULus Listed)
- 3"/76.2 mm (VdS/LPCB Approved)

Maximum Allowable Sprinkler K-Factors

- FM (½"/15mm reducer) K5.6/8,1 (S.I.), (¾"/20mm reducer) K14.0/20,2 (S.I.)
- cULus (½"/15mm reducer) K8.0/11,5 (S.I.), (¾"/20mm reducer) K14.0/20,2 (S.I.)
- VdS/LPCB (½"/15mm reducer) K5.6/8,1 (S.I.), (¾"/20mm reducer) K8.0/11,5 (S.I.)

2.0 CERTIFICATION/LISTINGS



3.0 SPECIFICATIONS – MATERIAL

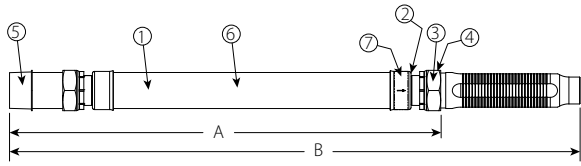
Series AH1

- **Flexible Hose:** 300-series Stainless Steel
- **Collar/Weld Fitting:** 300-series Stainless Steel
- **Gasket Seal:** Victaulic EPDM
- **Isolation Ring:** Nylon
- **Nut and Nipple:** Carbon Steel, Zinc Plated
- **Reducer (½" or ¾"):** Carbon Steel, Zinc-Plated

Brackets: Carbon Steel, Zinc-Plated

4.0 DIMENSIONS

Product Details - Series AH1 Braided Hose



Item	Description
1	Flexible Hose
2	Isolation Ring
3	Gasket
4	Nut
5	Branch Line Nipple
6	Braid
7	Collar/Weld Fitting

Hose Length Dimensions

Hose Length inches mm	A inches mm	B inches mm
31/790	25.25/641	31/790
36/915	31.25/794	36/915
48/1220	42.25/1073	48/1220
60/1525	54.25/1378	60/1525
72/1830	66.25/1683	72/1830

Standard Reducer

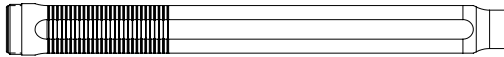


5.75"/140 mm straight reducer

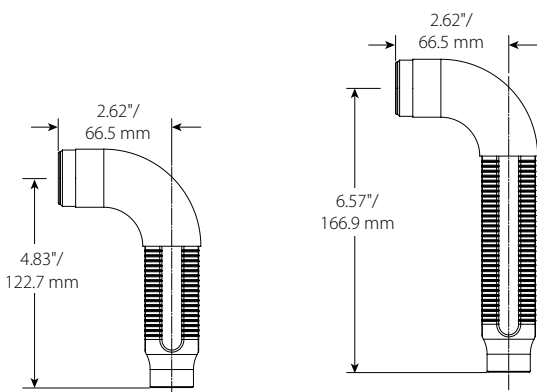
Optional Reducers



9.0"/229 mm straight reducer



13.0"/330 mm straight reducer



Short 90° elbow reducer

Long 90° elbow reducer

NOTE

- The Short 90° elbow reducer is typically used with concealed sprinklers while the longer 90 elbow is typically used in the installation of recessed pendent sprinklers.
- FM/VdS Approved Only.

4.1 DIMENSIONS

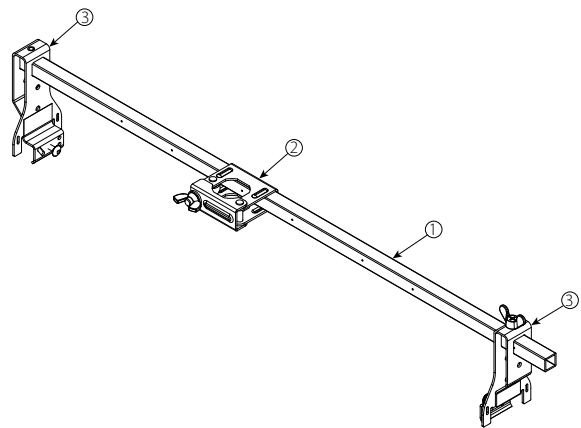
VicFlex Brackets

Style AB1

- Suspended Ceilings
- Hard-Lid Ceilings (FM Only)

Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented Center Bracket
3	End Bracket

*Both sizes FM/VdS/LPCB approved, cULus listed

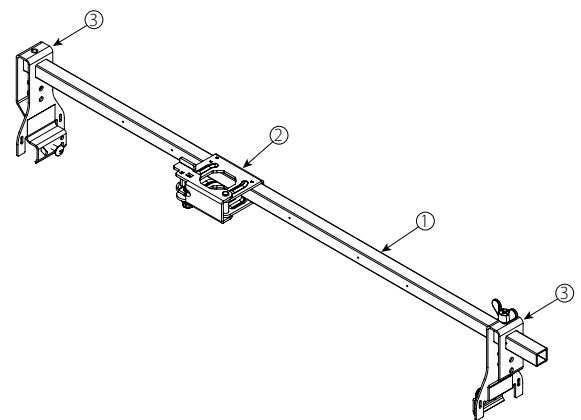


Style AB2

- Suspended Ceilings
- Hard-Lid Ceilings

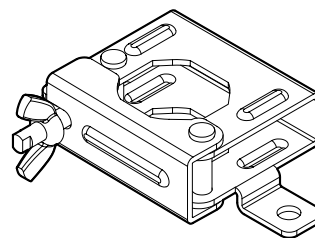
Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented Vertically Adjustable Center Bracket
3	End Bracket

*Both sizes FM/VdS/LPCB approved, cULus listed



Style AB3

- Surface Mount Applications
- FM Approved



4.2 DIMENSIONS

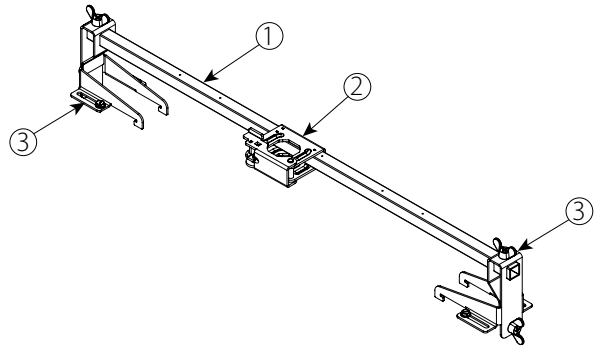
VicFlex Brackets

Style AB4

- Hard-Lid Ceilings with Hat furring channel grid system

Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented Vertically Adjustable Center Bracket
3	End Bracket for Hat Furring Channel

*Both sizes FM/VdS approved, cULus listed

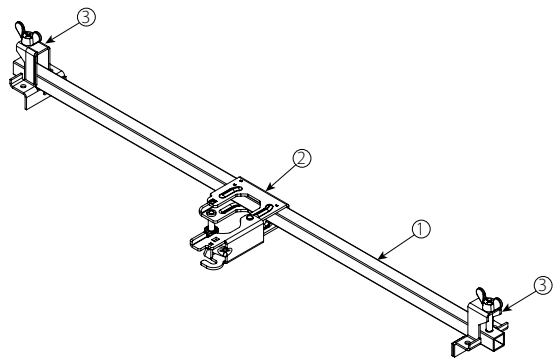


Style AB5

- Hard-Lid Ceilings

Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented Vertically Adjustable Center Bracket
3	End Bracket

*Both sizes FM/VdS approved, cULus listed

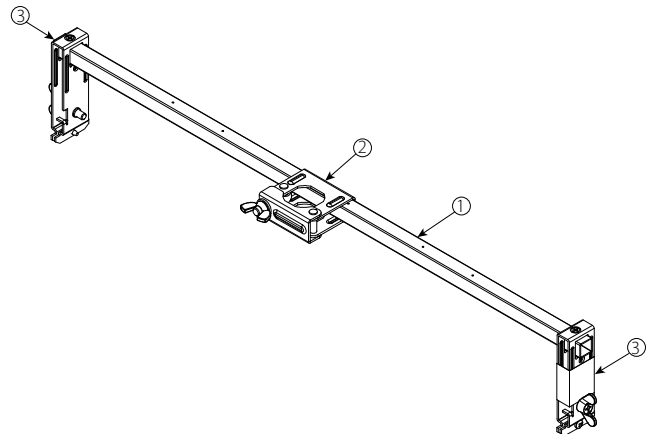


Style AB7

- Suspended Ceilings
- Hard-Lid Ceilings

Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented 1-Bee2® Center Bracket
3	End Bracket

*Both sizes FM/VdS approved.

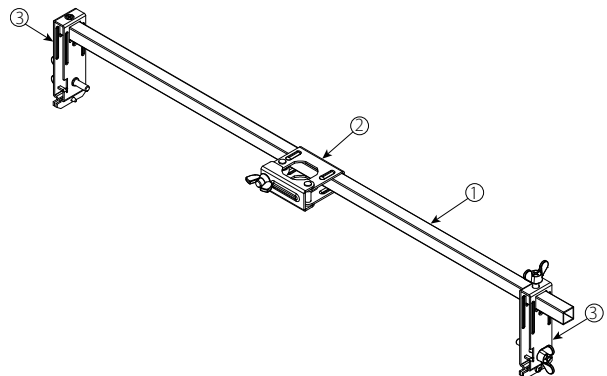


Style AB7 Adjustable

- Suspended Ceilings
- Hard-Lid Ceilings

Item	Description
1	700 mm or 1400 mm Square Bar*
2	Patented 1-Bee2® Center Bracket
3	End Bracket (adjustable)

*Both sizes FM/VdS approved.



4.3 DIMENSIONS

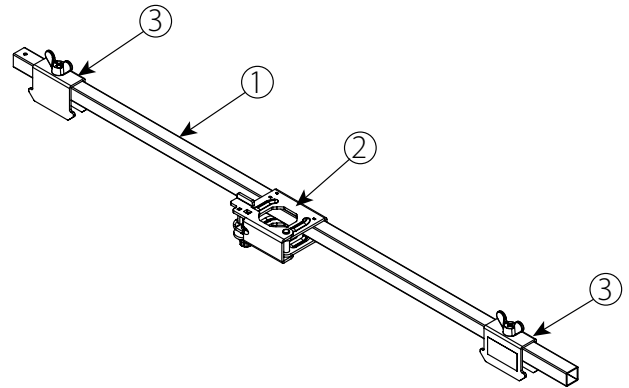
VicFlex Brackets

Style AB8

- Hard-Lid Ceilings

Item	Description
1	700 mm or 1400 mm Square Bar*
2	Patented Vertically Adjustable Center Bracket
3	*Both sizes FM/VdS

*Both sizes FM/VdS approved.

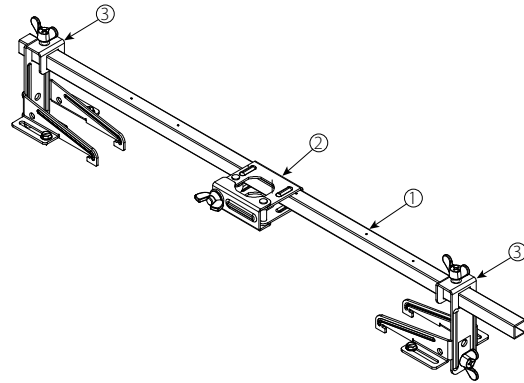


Style AB9

- Hard-Lid ceilings with Hat furring channel grid system

Item	Description
1	24"/610 mm or 48"/1220 mm Square Bar*
2	Patented 1-Bee2® Center Bracket
3	End Bracket for Hat Furring Channel

*Both sizes FM/VdS approved.

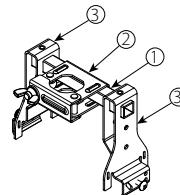


Style AB10

- Suspended ceilings
- Armstrong® TechZone™

Item	Description
1	6"/152 mm Square Bar*
2	Patented 1-Bee2® Center Bracket
3	End Bracket

*FM/VdS approved, cULus listed.

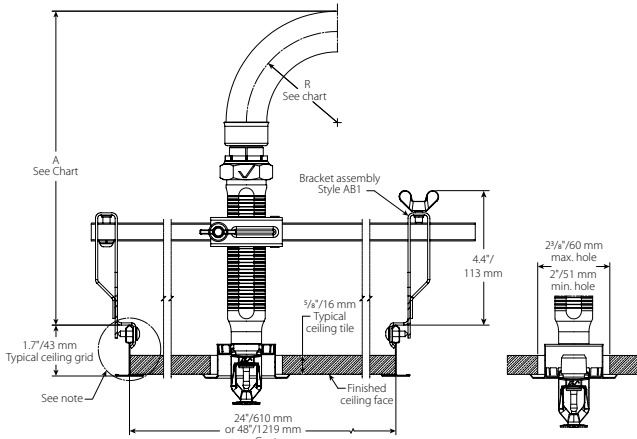


4.4 DIMENSIONS

CLEARANCES ABOVE CEILING

Series AH1 Braided Hose and Style AB1 Bracket

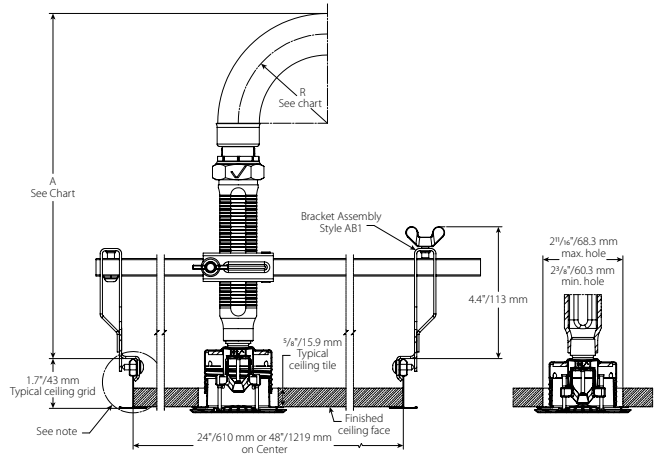
Suspended Ceiling Grid with Recessed Sprinkler



V2707 3/4\"/>

Hose Clearance Chart						
Dimension		inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6
		50	80	100	125	150
A	Min.	10.8	11.8	12.8	13.8	14.8
		273	298.5	324	349	375

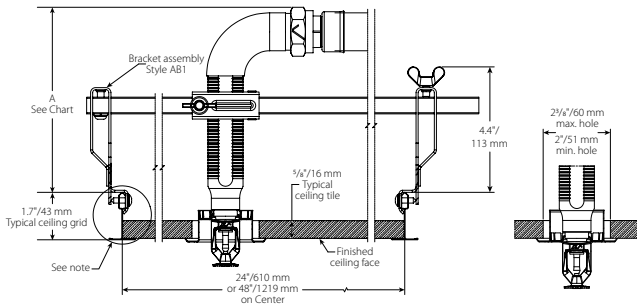
Suspended Ceiling Grid with Concealed Sprinkler



V3802 1/2\"/>

Hose Clearance Chart						
Dimension		inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6
		50	80	100	125	150
A	Min.	10.1	11.1	12.1	13.1	14.1
		269	281	307	333	358

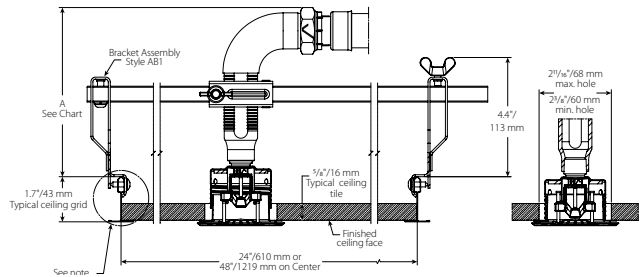
Suspended Ceiling Grid with Recessed Sprinkler with 90° Elbow (Long)



V2707 3/4\"/>

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	8.0
		200

Suspended Ceiling Grid with Concealed Sprinkler with 90° Elbow (Short)



V3802 1/2\"/>

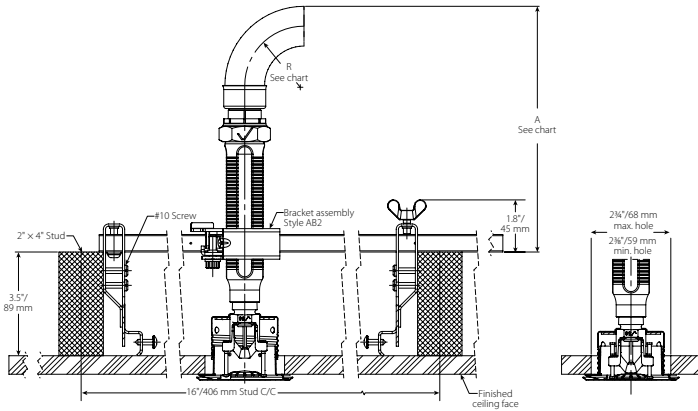
Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	5.8
		147

4.5 DIMENSIONS

CLEARANCES ABOVE CEILING

Series AH1 Braided Hose and Style AB2 Bracket

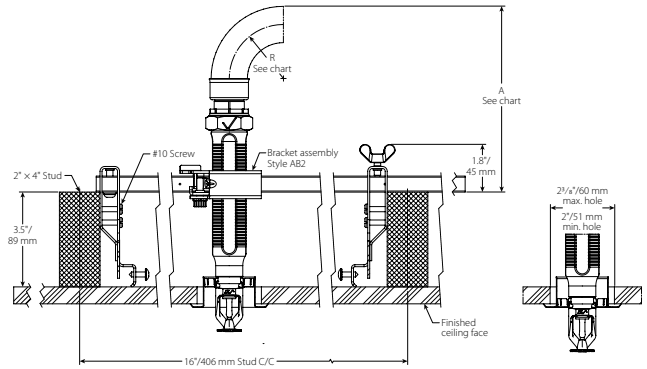
Hard-lid Ceiling with Concealed Sprinkler



V3802 1/2"/12.7mm Max. Recess

Hose Clearance Chart						
Dimension		inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6
		50	80	100	125	150
A	Min.	7.6	8.6	9.6	10.6	11.6
		193	218	244	269	295

Hard-lid Ceiling with Recessed Sprinkler



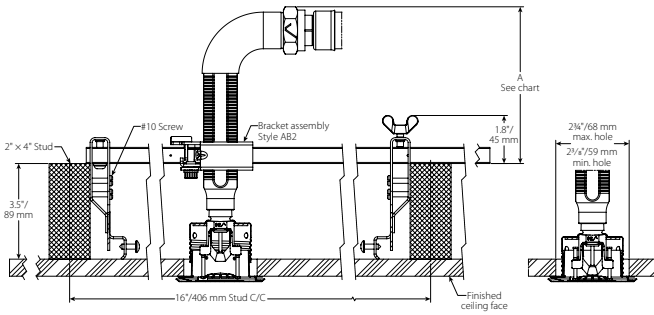
V2707 3/4"/19mm Max. Recess

Hose Clearance Chart						
Dimension		inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6
		50	80	100	125	150
A	Min.	6.1	7.1	8.1	9.1	10.1
		155	180	206	231	256

NOTE

- Variations of ceiling grids, sprinkler heads, brackets, and hoses are permitted but may result in clearance differences from the figures above.

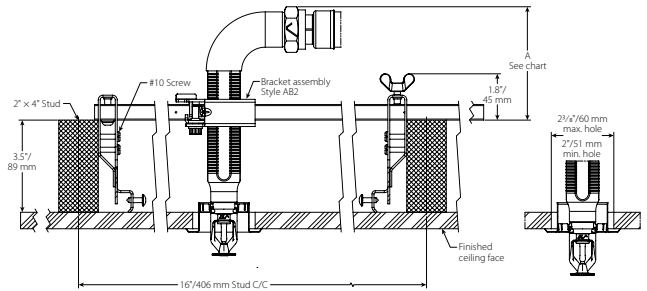
Hard-lid Ceiling Grid with Concealed Sprinkler with 90° Elbow (Short)



V3802 1/2"/12.7mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	5.0
		127

Hard-lid Ceiling with Recessed Sprinkler with 90° Elbow (Long)



V2707 3/4"/19mm Max. Recess

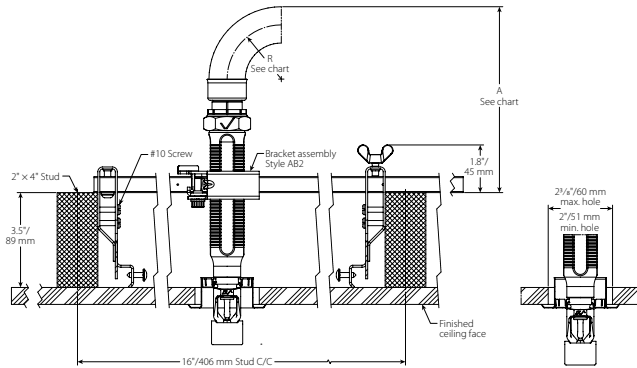
Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	3.6
		91

4.6 DIMENSIONS

CLEARANCES WITHIN SIDEWALL

Series AH1 Braided Hose and Style AB2 Bracket

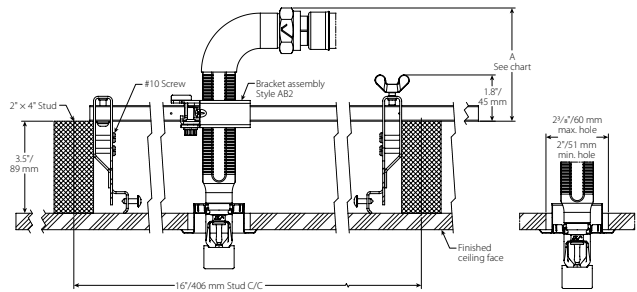
Horizontal Sidewall Sprinkler



V2707 3/4" / 19mm Max. Recess

Hose Clearance Chart							
Dimension		inches	inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6	7
		50	80	100	125	150	175
A	Min.	6.1	7.1	8.1	9.1	10.1	11.1
		155	180	206	231	256	282

Horizontal Sidewall Sprinkler with 90° Elbow (Long)



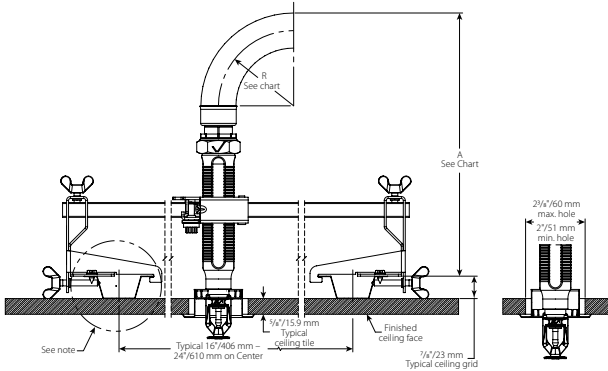
V2707 3/4" / 19mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	3.6
		91

4.7 DIMENSIONS

CLEARANCES ABOVE CEILING

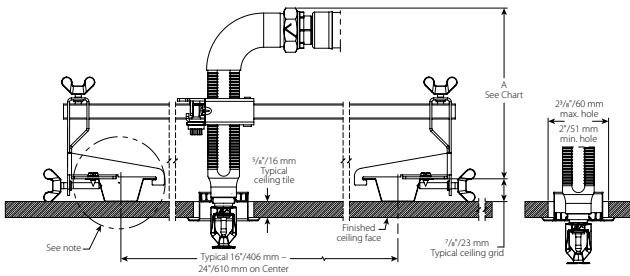
Series AH1 Braided Hose and Style AB4 Bracket
 Hat Furring Channel Grid with Recessed Sprinkler



V2707 3/4"/19mm Max. Recess

Hose Clearance Chart							
Dimension		inches	inches	inches	inches	inches	inches
		mm	mm	mm	mm	mm	mm
R	Minimum Bend Radius	2	3	4	5	6	7
		50	80	100	125	150	175
A	Min.	10.3	11.3	12.3	13.3	14.3	15.3
		262	287	313	338	363.5	389

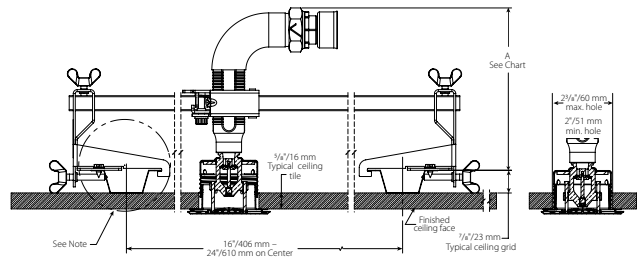
Hat Furring Channel Grid with Recessed Sprinkler with 90° Elbow (Long)



V2707 3/4"/19mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	8.0
		200

Hat Furring Channel Grid with Concealed Sprinkler with 90° Elbow (Short)



V2707 3/4"/19mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	5.9
		149

NOTE

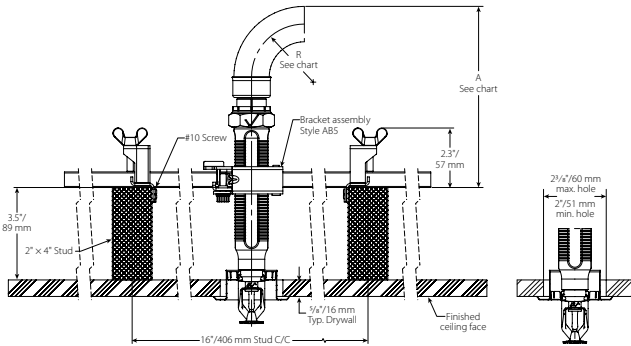
- Variations of ceiling grids, sprinkler heads, brackets, and hoses are permitted but may result in clearance differences from the figures above.

4.8 DIMENSIONS

CLEARANCES ABOVE CEILING

Series AH1 Braided Hose and Style AB5 Bracket

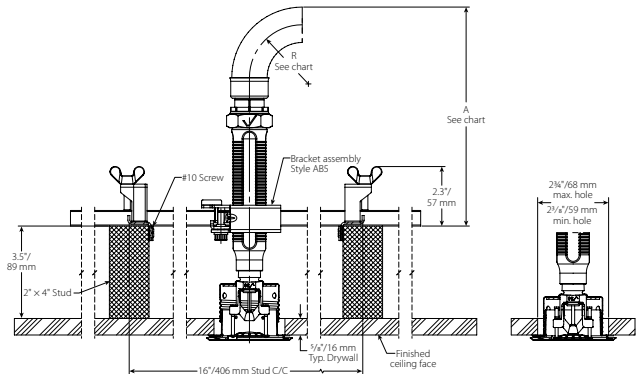
Hard-lid Ceiling with Recessed Sprinkler



V2707 3/4"19mm Max. Recess

Hose Clearance Chart							
Dimension		inches	inches	inches	inches	inches	
		mm	mm	mm	mm	mm	
R	Minimum Bend Radius	2	3	4	5	6	7
		50	80	100	125	150	175
A	Min.	6.1	7.1	8.1	9.1	10.1	11.1
		155	180	206	231	256	282

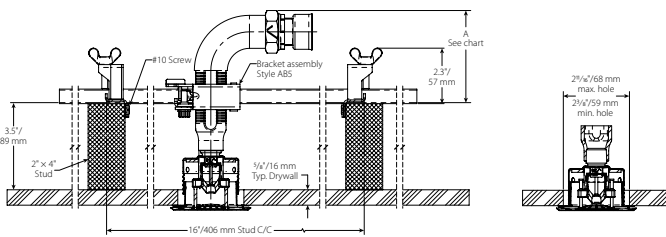
Hard-lid Ceiling with Concealed Sprinkler



V3802 1/2"13mm Max. Recess

Hose Clearance Chart							
Dimension		inches	inches	inches	inches	inches	
		mm	mm	mm	mm	mm	
R	Minimum Bend Radius	2	3	4	5	6	7
		50	80	100	125	150	175
A	Min.	7.6	8.6	9.6	10.6	11.6	12.6
		193	218	244	269	295	320

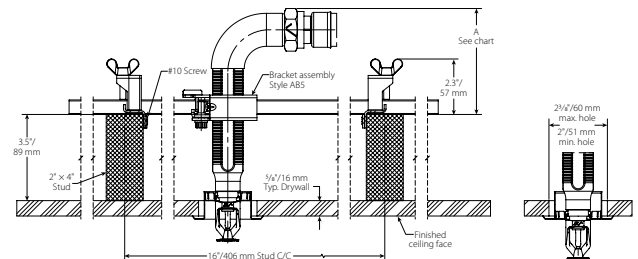
Hard-lid Ceiling with Recessed Pendant with 90° Elbow (Long)



V3802 1/2"13mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	3.6
		91

Hard-lid Ceiling with Concealed Pendant with 90° Elbow (Short)



V2707 3/4"19mm Max. Recess

Hose Clearance Chart		
Dimension		inches
		mm
A	Min.	3.3
		84

NOTE

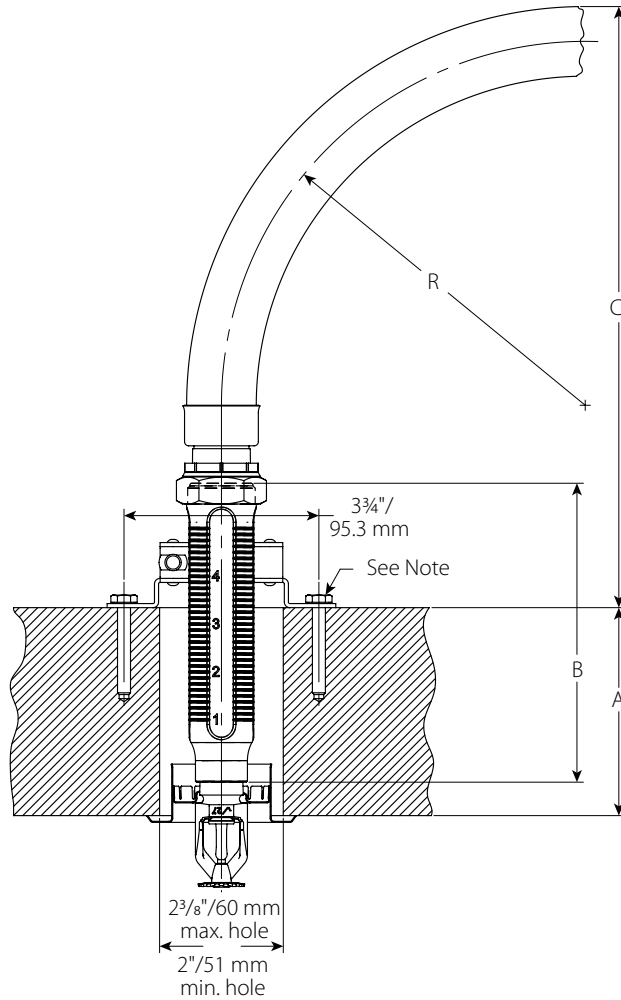
- Variations of ceiling grids, sprinkler heads, brackets, and hoses are permitted but may result in clearance differences from the figures above.

4.8 DIMENSIONS (Continued)

CLEARANCES ABOVE CEILING

Series AH1 Braided Hose and Style AB3 Bracket

Surface Mount Application with Recessed Sprinkler



Hose Clearances																				
Wall Thickness "A"	2 50			4 100			6 150			8 200			10 250							
	5.75	9	13	5.75	9	13	5.75	9	13	5.75	9	13	5.75	9	13					
Outlet Length "B"	146.1	228.6	330.2	146.1	228.6	330.2	228.6	330.2	330.2	330.2	146.1	228.6	330.2	146.1	228.6	330.2	228.6	330.2	330.2	330.2
Hose Clearance "C"	11.6	14.8	18.8	9.6	12.8	16.8	10.8	14.8	12.8	10.8	12.6	15.8	19.8	10.6	13.8	17.8	11.8	15.8	13.8	11.8
Bend Radius "R"	7 175						8 200													

NOTE

- Variations of ceiling grids, sprinkler heads, brackets, and hoses are permitted but may result in clearance differences from the figures above.
- See installation instructions for mounting screw type and size.

5.0 PERFORMANCE – FRICTION LOSS DATA



Series AH1 Braided Hose with Straight 5.75" Reducers
Style AB1, AB2, AB4, AB5 and AB10 Brackets

Length of Stainless Steel Flexible Hose inches/mm	Outlet Size inches/mm/type	Series AH1 Hose	
		Equivalent Length of 1 1/4" (33.7 mm) Sch. 40 Pipe (C=120) feet/meters	Maximum Number of 90° Bends at 3 1/2" (51 mm) Bend Radius
31/775	1/2" /15/Straight	52/15.8	3
	3/4" /20/Straight	55/16.8	3
36/900	1/2" /15/Straight	63/19.2	4
	3/4" /20/Straight	66/20.1	4
48/1200	1/2" /15/Straight	78/23.8	4
	3/4" /20/Straight	80/24.4	4
60/1500	1/2" /15/Straight	88/26.8	4
	3/4" /20/Straight	90/27.4	4
72/1800	1/2" /15/Straight	112/34.1	5
	3/4" /20/Straight	118/36.0	5

Series AH1 Braided Hose Equivalent Length Design Guide

Equivalent length values at various numbers of 90 degree bends at 3 1/2" (51 mm) center line bend radius

Length of Stainless Steel Flexible Hose inches/mm	Outlet Size inches/mm	1 Bend feet/meters	2 Bends feet/meters	3 Bends feet/meters	4 Bends feet/meters	5 Bends feet/meters
31/775	1/2" /15	32/9.8	42/12.8	52/15.9	N.A	N.A
	3/4" /20	33/10.1	44/13.4	55/16.8	N.A	N.A
36/900	1/2" /15	33/10.1	43/13.1	53/16.2	63/19.2	N.A
	3/4" /20	36/11.0	46/14.0	56/17.1	66/20.1	N.A
48/1200	1/2" /15	46/14.0	57/17.4	68/20.7	78/23.8	N.A
	3/4" /20	51/15.5	60/18.3	71/21.6	88/26.8	N.A
60/1500	1/2" /15	56/17.1	67/20.4	77/23.5	88/26.8	N.A
	3/4" /20	58/17.7	69/21.0	80/24.4	90/27.4	N.A
72/1800	1/2" /15	69/21.0	79/24.1	91/27.7	102/31.1	112/34.1
	3/4" /20	73/22.6	84/25.6	95/29.0	106/32.3	118/36.0

NOTES:

- Values for use with 5.75" straight reducers.

How to use this Design Guide:

- For some systems, it may be advantageous for the designer to calculate the system hydraulics using shorter equivalent lengths associated with fewer than the maximum allowable number of bends. In this case, the designer may select a design number of bends for the job and use the associated equivalent length from the design guide to determine the system hydraulics.
- It is possible that the actual installed condition of some of the flexible drops may have more bends than the designer selected. When this happens, the design guide may be used to find equivalent lengths based on the actual installed number of bends for particular sprinkler installations. The system hydraulics can be recalculated using actual equivalent lengths to verify the performance of the system.

5.0 PERFORMANCE – FRICTION LOSS DATA



Series AH1 Braided Hose
Style AB1, AB2, AB3, AB4, AB5, AB7, AB7 Adj., AB8, AB9 and AB10 VicFlex Brackets

inches/mm	Imperial/S.I.	inches/mm/type	Series AH1 Hose	
			Equivalent Length of 1"/33.7mm Sch. 40 Pipe feet/meters	Maximum Number of 90° Bends at 7"/178mm Bend Radius
31/775	5.6/8.1	½"/15/Straight	53.8/16.4	2
		½"/15/90° Elbow	53.8/16.4	
36/900	5.6/8.1	½"/15/Straight	63.7/19.4	2
		½"/15/90° Elbow	63.1/19.2	
48/1200	5.6/8.1	½"/15/Straight	87.9/26.8	3
		½"/15/90° Elbow	85.8/26.1	
60/1500	5.6/8.1	½"/15/Straight	112.2/34.1	4
		½"/15/90° Elbow	108.4/33.0	
72/1800	5.6/8.1	½"/15/Straight	136.5/41.6	4
		½"/15/90° Elbow	131.1/39.9	
31/775	8.0/11.5	¾"/20/Straight	44.4/13.5	2
		¾"/20/90° Elbow	47.6/14.5	
36/900	8.0/11.5	¾"/20/Straight	55.6/16.9	2
		¾"/20/90° Elbow	57.5/17.5	
48/1200	8.0/11.5	¾"/20/Straight	82.8/25.2	3
		¾"/20/90° Elbow	81.7/24.9	
60/1500	8.0/11.5	¾"/20/Straight	110.1/24.9	4
		¾"/20/90° Elbow	105.9/32.2	
72/1800	8.0/11.5	¾"/20/Straight	137.3/41.8	4
		¾"/20/90° Elbow	130.2/39.7	
31/775	11.2/16.1	¾"/20/Straight	45.5/13.8	2
		¾"/20/90° Elbow	47.1/14.3	
36/900	11.2/16.1	¾"/20/Straight	66.3/20.2	2
		¾"/20/90° Elbow	57.5/17.5	
48/1200	11.2/16.1	¾"/20/Straight	82.7/25.2	3
		¾"/20/90° Elbow	82.8/25.2	
60/1500	11.2/16.1	¾"/20/Straight	109.1/33.2	4
		¾"/20/90° Elbow	108.1/32.9	
72/1800	11.2/16.1	¾"/20/Straight	135.5/41.3	4
		¾"/20/90° Elbow	133.4/40.6	
31/775	14.0/20.2	¾"/20/Straight	44.3/13.5	2
		¾"/20/90° Elbow	46.4/14.1	
36/900	14.0/20.2	¾"/20/Straight	55.5/16.9	2
		¾"/20/90° Elbow	56.7/17.3	
48/1200	14.0/20.2	¾"/20/Straight	83.0/25.3	3
		¾"/20/90° Elbow	82.1/25.0	
60/1500	14.0/20.2	¾"/20/Straight	110.4/33.6	4
		¾"/20/90° Elbow	107.5/32.7	
72/1800	14.0/20.2	¾"/20/Straight	137.9/42.0	4
		¾"/20/90° Elbow	132.8/40.4	

FM NOTES:

- Series AH1 has been tested and Approved by FM Global for use in wet, dry and preaction systems per NFPA 13, 13R, and 13D and FM data sheets 2-0, 2-5, and 2-8. FM 1637 and Vds standards for safety include, but are not limited to, pressure cycling, corrosion resistance, flow characteristics, vibration resistance, leakage, mechanical and hydrostatic strength.
- Differences in equivalent lengths are due to varying test methods, per FM 1637 and VdS standards. Refer to these standards for additional information regarding friction loss test methods.
- EXAMPLE: A 48-inch hose installed with two 30° bends and two 90° bends at a 7-inch bend radius is permitted and considered equivalent to the data in the table shown above. In this example, the total number of degrees is 240°, which is less than the allowable 270°.

5.0 PERFORMANCE – FRICTION LOSS DATA



Series AH1 Braided Hose
Style AB1, AB2, AB4, AB5, AB7, AB7 Adj., AB8, AB9, and AB10 Brackets

Length of Stainless Steel Flexible Hose	Outlet Size	Series AH1 Hose	
		Equivalent Length of steel pipe according to EN 10255 DN 20 (26,9 x 2,65)	Maximum Number of 90° Bends at 3"/76.2mm Bend Radius
mm/inches	mm/inches/type	meters/feet	meters/feet
790/31	15mm/1/2"/Straight	4.0/12.9	3
	20 mm/3/4"/Straight		
915/36	15mm/1/2"/Straight	4.6/15.0	3
	20 mm/3/4"/Straight		
1220/48	15mm/1/2"/Straight	6.1/20.0	3
	20 mm/3/4"/Straight		
1525/60	15mm/1/2"/Straight	7.6/25.0	4
	20 mm/3/4"/Straight		
1830/72	15mm/1/2"/Straight	9.2/30.0	4
	20 mm/3/4"/Straight		

VDS CEILING MANUFACTURERS LIST

AB1, AB2, AB7, AB10

1. AMF
2. Armstrong
3. Chicago Metallic
4. Dipling
5. Durlum
6. Geipel
7. Gema-Armstrong
8. Hilti
9. Knauf
10. Lafarge
11. Linder
12. Odenwald
13. Richter
14. Rigips
15. Rockfon Pagos
16. Suckow & Fischer
17. USG Donn

AB4/9

No specific approval

AB8

1. Hilti
2. Knauf
3. Lafarge
4. Lindner
5. Rigips



Series AH1 Braided Hose
Style AB1 Bracket

Length of Stainless Steel Flexible Hose	Outlet Size	Series AH1 Hose	
		Equivalent Length of steel pipe according to EN 10255 DN (33,7 x 3,25)	Maximum Number of 90° Bends at 3"/76.2mm Bend Radius
mm/inches	mm/inches/type	meters/feet	
790/31	15mm/1/2"/Straight	12.7/41.8	2
	20 mm/3/4"/Straight		
915/36	15mm/1/2"/Straight	16.4/53.8	3
	20 mm/3/4"/Straight		
1220/48	15mm/1/2"/Straight	19.6/64.3	3
	20 mm/3/4"/Straight		
1525/60	15mm/1/2"/Straight	24.0/78.8	3
	20 mm/3/4"/Straight		
1830/72	15mm/1/2"/Straight	28.5/93.4	3
	20 mm/3/4"/Straight		

Length of Stainless Steel Flexible Hose	Outlet Size	Series AH1 Hose	
		Equivalent Length of steel pipe according to EN 10255 DN 25 (33,7 x 3,25)	Maximum Number of 90° Bends at 3"/76.2mm Bend Radius
mm/inches	mm/inches/type	meters/feet	
790/31	15mm/1/2"/90° Elbow	13.6/44.6	2
	20 mm/3/4"/90° Elbow		
915/36	15mm/1/2"/90° Elbow	16.9/55.4	3
	20 mm/3/4"/90° Elbow		
1220/48	15mm/1/2"/90° Elbow	19.9/65.1	3
	20 mm/3/4"/90° Elbow		
1525/60	15mm/1/2"/90° Elbow	24.5/80.2	3
	20 mm/3/4"/90° Elbow		
1830/72	15mm/1/2"/90° Elbow	27.8/91.1	3
	20 mm/3/4"/90° Elbow		

6.0 NOTIFICATIONS

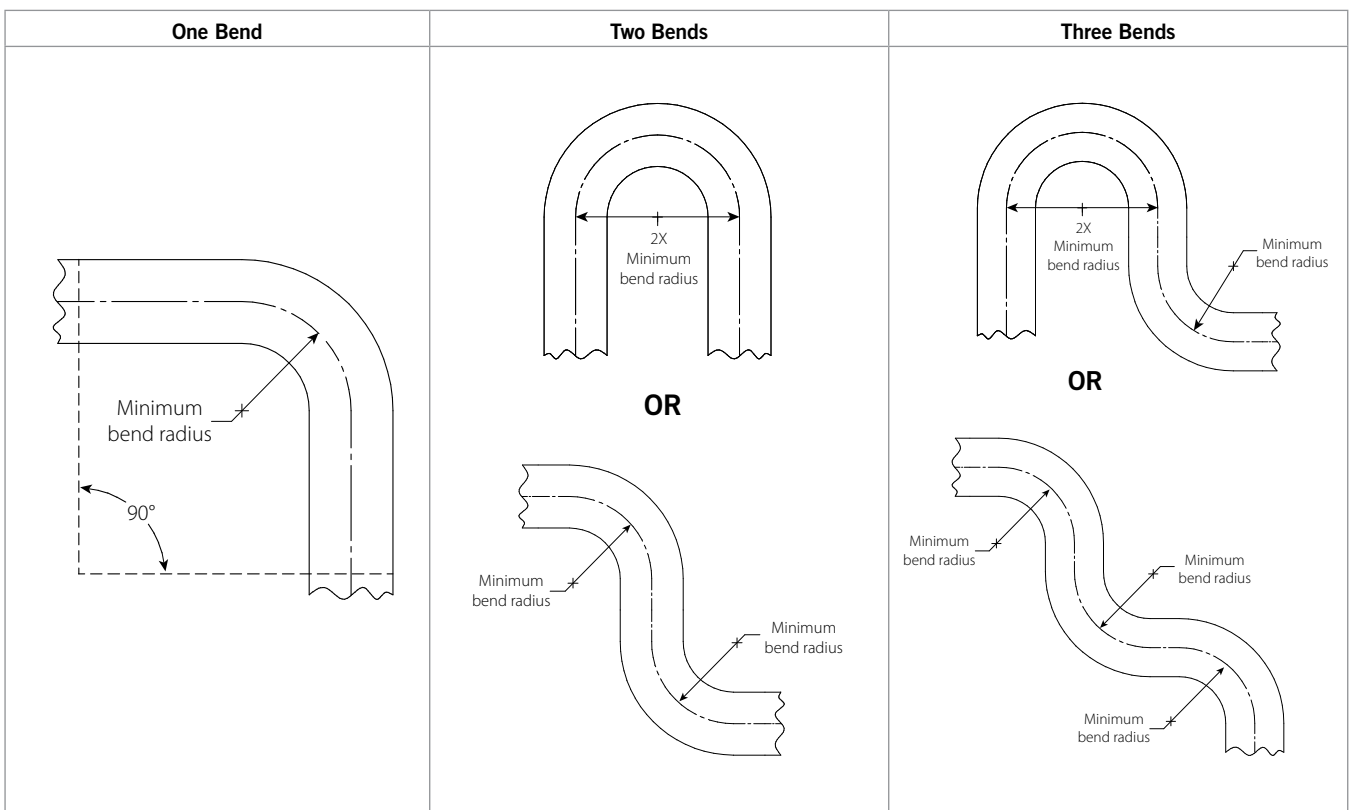
WARNING

- It is the responsibility of the system designer to verify suitability of 300-series stainless steel flexible hose for use with the intended fluid media within the piping system and external environments.
- The effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on 300-series stainless steel flexible hose must be evaluated by the material specifier to confirm system life will be acceptable for the intended service.

Failure to follow these instructions could cause product failure, resulting in serious personal injury and/or property damage.

7.0 REFERENCE MATERIALS – CHARACTERISTICS

Flexible Hose In-Plane Bend Characteristics



NOTE

- For out-of-plane (three-dimensional) bends, care must be taken to avoid imparting torque on the hose.

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation

Reference should always be made to I-VICFLEX-AB1-AB2-AB10, I-VICFLEX-AB4-AB9, I-VICFLEX-AB7, or I-VICFLEX-AB8 for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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