

8200 STAINLESS STEEL CONDUIT ELBOWS

The 8200 Stainless Steel Conduit Elbow is explosion-proof certified and can be used in many applications. The 1" NPT Female Inlet and 1/2" NPT Female Outlet provide many opportunities to use these elbows in demanding service. The lid of the elbow can be easily removed to make necessary electrical connections, an installed setscrew on the elbow body is provided to lock the lid in place. A 4 position terminal block can be ordered with the elbow to facilitate electrical connections in the elbow. These conduit elbows can be used with flying leads and terminal block versions of the ST5484E transmitter. They are not compatible with MIL-connector versions of the transmitter. A variety of available configurations accommodate various hazardous area approvals, materials of construction, and IP ratings. Consult the ordering information below.

For ST5484E's that need an explosion proof (Ex d) rating, that are utilizing flying leads, ST5484E Options D=0, 1, 5, & 6, will have an attached 8200 conduit elbow and should utilize the elbow mounted 4 position terminal block, or the flying lead conductors must be connected within a certified junction box or other certified connection location. For ST5484E's that need an explosion proof (Ex d) rating, utilizing integral terminal block, Option D=2 & 3, or utilizing the 4 position terminal block, shown in Figure 2, with flying leads Options D=0, 1, 5, & 6, no junction box is necessary.

AAA
8200- □□□

ELBOWS								
A	A	A	Conduit Fitting Size	TB*	Coating	Approvals	IP Rating (Elbow)	Material
0	0	5	½" NPT		None	NRTL/ATEX/IECEX	NEMA4/IP66	303 stainless steel
0	0	6	½" NPT	Y	None	NRTL/ATEX/IECEX	NEMA4/IP66	303 stainless steel
0	1	1	½" NPT		None	NRTL/ATEX/IECEX	NEMA4/IP66	316L stainless steel
0	1	2	½" NPT	Y	None	NRTL/ATEX/IECEX	NEMA4/IP66	316L stainless steel
1	0	5	½" NPT		Clear epoxy coated	NRTL/ATEX/IECEX	NEMA4/IP66	303 stainless steel
1	0	6	½" NPT	Y	Clear epoxy coated	NRTL/ATEX/IECEX	NEMA4/IP66	303 stainless steel
1	1	1	½" NPT		Clear epoxy coated	NRTL/ATEX/IECEX	NEMA4/IP66	316L stainless steel
1	1	2	½" NPT	Y	Clear epoxy coated	NRTL/ATEX/IECEX	NEMA4/IP66	316L stainless steel

*TB = 4 Position Terminal Block, Mounted in Elbow



Figure 1: 8200 Stainless Steel Conduit Elbow
1" NPT Female Inlet, 1/2" NPT Female Outlet



Figure 2: 4 Position Terminal Block, Mounted in Elbow, When Ordered

OUTLINE DIAGRAMS

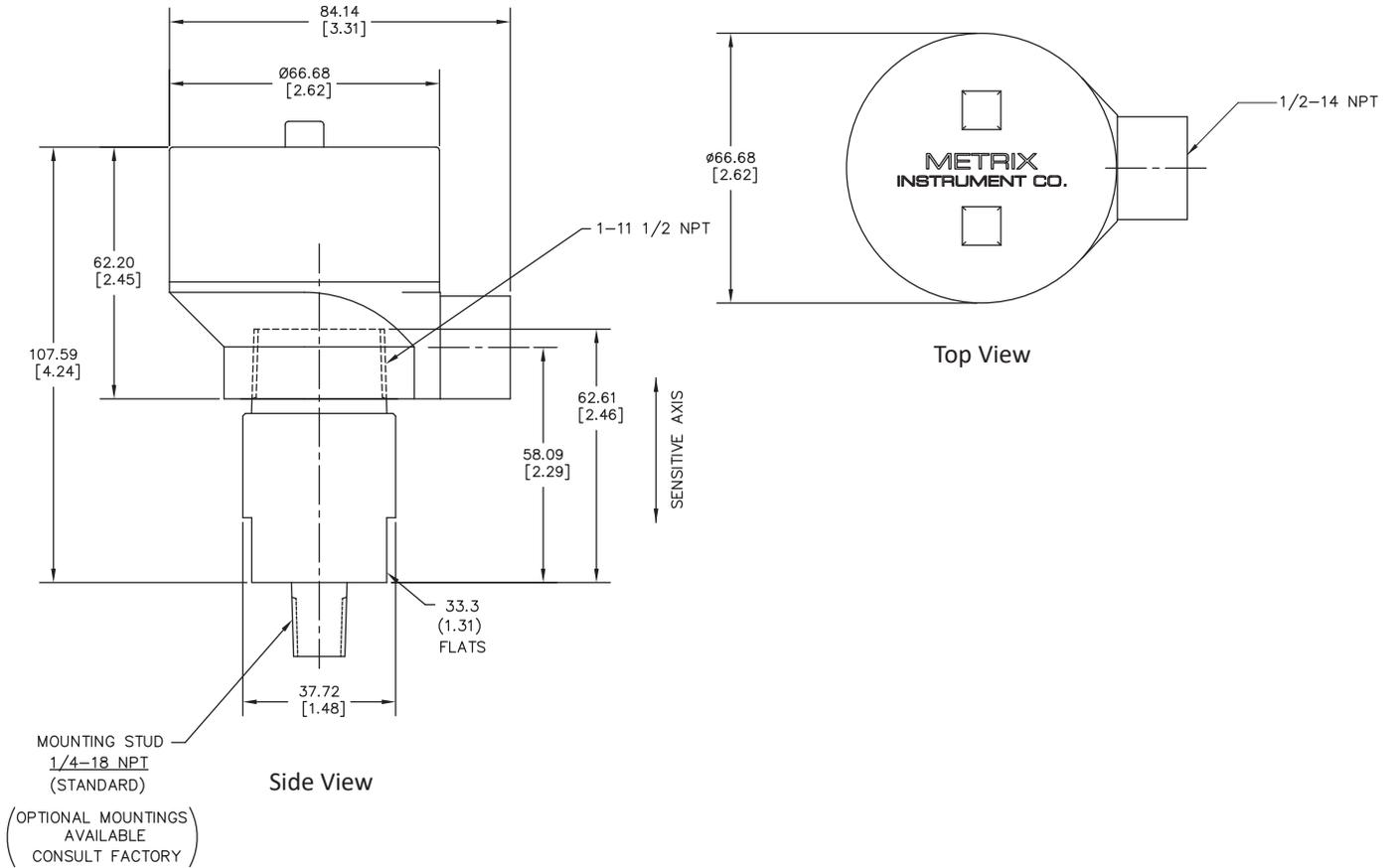


Figure 2: Outline dimensions of the 8200 Stainless Steel Conduit Elbow mounted on an ST5484E Velocity Transmitter

NOTE: The 8200 stainless steel elbow meets the requirements for NRTL/ ATEX/UKEX/IECEx Ex d (flameproof).

HAZARDOUS AREA APPROVALS

MODEL 8200 STAINLESS STEEL ELBOW			
<p>IECEx Approval (World):</p> 	<p>IEC Markings: Model 8200-005, 006, 011, 012, 105, 106, 111, 112: Ex db IIC Gb (-50°C≤Tamb≤+100°C) Ex tb IIIC Db (-50°C≤Tamb≤+100°C) IP66 IECEx CML 25.0118X</p>	<p>IEC Standards: IEC 60079-0:2017 Ed. 7 IEC 60079-1:2014 Ed. 7 IEC 60079-31:2022 Ed. 3</p>	
<p>ATEX/UKCA Approval (Europe/UK):</p> 	<p>ATEX/UKCA Markings: Model 8200-005, 006, 011, 012, 105, 106, 111, 112: Ⓔx II 2GD Ex db IIC Gb (-50°C≤Tamb≤+100°C) Ⓔx II 2GD Ex tb IIIC Db (-50°C≤Tamb≤+100°C) IP66 CML 25ATEX1455X / CML 25UKEX1456X</p> 	<p>EN Standards: EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-31:2024</p>	<p>WARNING: DO NOT OPEN WHEN ENERGIZED ATTENTION: NE PAS OUVRIR QUAND ÉNERGISÉ</p> <p>FOR EPOXY VERSION ONLY (105, 106, 111, 112): WARNING: ELECTROSTATIC CHARGING HAZARD – REFER TO INSTRUCTIONS</p>
<p>NRTL Approval (North America):</p> 	<p>NRTL Markings: Model 8200-005, 006, 011, 012, 105, 106, 111, 112: Class I Div I Groups B, C, D Class I Zone 1 AEx db IIC Gb Class II Div I Groups E, F, G Class II Zone 21 AEx tb IIIC Gb Class III Div I -50°C≤Tamb≤+100°C</p>	<p>CSA/UL Standards: UL 1203:2023 (R2024) Ed. 6 CSA C22.2 No. 30:20 CSA C22.2 No. 25:17 (R2022) UL 60079-0:2019 (R2024) Ed. 7 UL 60079-1:2015 (R2024) Ed. 7 UL 60079-31:2025 Ed. 3 CSA C22.2 No. 60079-0:19 (R2024) CSA C22.2 No. 60079-1:16 (R2021) CSA C22.2 No. 60079-31:25 UL 50E:2020 (R2025) Ed. 3 CSA C22.2 No. 94.2:20 (R2025)</p>	<p>AVERTISSEMENT: RISQUE DE CHARGE ÉLECTROSTATIQUE – REPORTEZ-VOUS AUX INSTRUCTIONS</p>

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