

TECHNICAL DATA SHEET - INTERACTIVE PDF

Series 5300SST-FB Liquid-tight fittings

With food & beverage seal kits

T&B Liquidtight Systems®



Stainless steel 316 liquid-tight fittings for use in NSF “splash zone” applications. Hygienically designed to help effectively seal exposed threads and crevices

Certifications / Standards:



[3-Part Specification:](#)
[Tools and Calculators](#)

Features & Benefits:

- Meets UL 514B and CSA C22.2 No. 18.3 for liquid-tight fittings
- Helps provide excellent ingress protection
- Hygienic design to the fitting by helping effectively seal exposed threads and crevices
- Food & Beverage Seal Kit assemblies are compliant with NSF/ANSI 169 requirements for “splash zone” installations.
- Trade sizes from ½" to 2" (16mm to 63mm)
- Insulated throat helps protect wire jacket from damage
- Straight, 45° and 90° conduit bodies
- NPT thread types
- Coordinated performance with T&B Liquidtight Systems Flexible Metallic Conduits
- Ingress protection ratings aligned with industrial enclosures
- Safe-Edge® ground cones help provide superior bonding
- Double Bevel Sealing Ring eases assembly and helps ensure liquid-tight performance

Applications:

- Typical applications where high pressure wash down installation
- Used where liquid tight flexible metallic raceway is installed in corrosive outdoor or indoor locations, and exposed to continuous or intermittent moisture
- Used to positively bond flexible liquid-tight flexible metallic conduit to boxes or enclosures
- Ideal for use with T&B Liquidtight Systems® LFMC types LTFU Blue, LTFU White, LT6FE, SAMHURL
- Liquid-tight applications against water, oils, cutting fluids, mild acids
- For use in electrical circuits up to 1,000 V

Construction / Material / Finish:

- Trade sizes ½" to 2" Steel Steel 316
- Zinc Plated steel ground cones
- Thermoplastic nylon conduit seal rings and insulators
- Santoprene sealing gaskets
- Machined locknuts with teeth for vibration resistance, supplied separately

Environment ratings:

Working Temperature:

- UL: Gen: -20 to +105°C (-4 to +221°F)
- CSA: Gen: -20 to +105°C (-4 to +221°F)

Conforms to:

- UL 514B, Fittings for Cable and Conduit
- CSA C22.2 No. 18.3, Outlet and Conduit Boxes, Fittings and Accessories
- IEC/EN 61386-1, -23, Conduit Systems for Cable Management
 - EU DoC: EC-012-7189
- RoHS (Restriction of Hazardous Substance directive)
 - European Directive 2011/65 and Commission Delegated Directive 2015/863
- NEMA FB-1 (Fittings and Conduit Bodies)
- JIC EGP1 (Electrical standard for GP machine tools)
- JIC EMP1 (Electrical Standard for Mass Production Engineering)
- Federal Specification A-A 50552 (Fittings for flexible conduit)
- Federal Specification H-28 (Threads)
- NSF/ANSI 169 - Special Purpose Food and Beverage Devices

Ingress Protection:

- Helps provide “Ingress Integrity” between enclosures, fittings, conduits & seals when using Series 5300SST6 liquid-tight fittings and T&B Liquidtight Systems LFMC
- Covers all trade sizes from ½" to 2" (12mm to 63mm)
- Ingress ratings require use of Series 526x-FB Seal Kits

UL, CSA & NEMA system ingress ratings:

- UL Listed type ratings tested to UL 50E requirements with UL Listed LFMC
- UL File No.: E23018
 - Indoor: Type 4, 4X, 12
- CSA C22.2 No. 94.2: Type 4, 4X, 12
- NEMA 250: Type 4, 4X, 12

IEC system ingress ratings:

- IP Ingress Protection per IEC 60529 requirements
- IEC Ingress Ratings: IP66, IP67, IP68, IP69

Standards requirements:

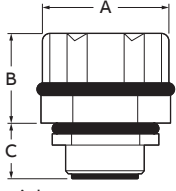
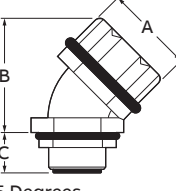
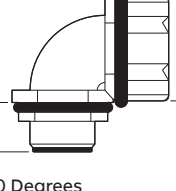
Designed to UL 514B and CSA C22.2 No. 18.3 test requirements including:

- Assembly, Pull, Resistance, Oil spray, Polymer durability

Chemical Resistance Guide:

- See Publication TDS000117 (Liquid Tight Flexible Metal Conduits)

Series 5300SST-FB Liquid-tight fittings
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Dimensions (approximate)													
Drawing	Part no.	Thread size (NPT)	Trade size, conduit			Inches			Millimeters			Weight	
			UL Inches	CSA Metric	ISO BS EN	A	B	C	A	B	C	lbs.	kg
	5332SST6-FB	½"	½"	16mm	20mm	1 ⁹ / ₃₂ "	1"	9 ¹ / ₁₆ "	32.6	25.4	14.3	0.19	0.08
	5333SST6-FB	¾"	¾"	21mm	25mm	1 ¹⁹ / ₃₂ "	1 ¹ / ₁₆ "	9 ¹ / ₁₆ "	40.5	27.0	14.3	0.27	0.12
	5334SST6-FB	1"	1"	27mm	32mm	1 ¹³ / ₁₆ "	1 ⁵ / ₁₆ "	¾"	46.5	33.3	19.1	0.41	0.19
	5335SST6-FB	1¼"	1¼"	35mm	40mm	2 ¹³ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ³ / ₁₆ "	56.2	42.9	20.6	0.73	0.33
	5336SST6-FB	1½"	1½"	41mm	50mm	2½"	1 ⁷ / ₈ "	1 ³ / ₁₆ "	63.7	47.6	20.6	0.85	0.39
	Straight	5337SST6-FB	2"	2"	53mm	63mm	3"	2 ³ / ₁₆ "	7 ⁸ / ₁₆ "	76.6	55.6	22.2	1.11
	5342SST6-FB	½"	½"	16mm	20mm	1 ⁹ / ₃₂ "	1 ⁷ / ₈ "	9 ¹ / ₁₆ "	32.6	43.0	14.3	0.25	0.11
	5343SST6-FB	¾"	¾"	21mm	25mm	1 ¹⁹ / ₃₂ "	2 ¹ / ₈ "	9 ¹ / ₁₆ "	40.5	54.0	14.3	0.35	0.16
	5344SST6-FB	1"	1"	27mm	32mm	1 ¹³ / ₁₆ "	2 ¹ / ₄ "	¾"	46.5	57.2	19.1	0.64	0.29
	5345SST6-FB	1¼"	1¼"	35mm	40mm	2 ¹³ / ₁₆ "	2 ³ / ₄ "	1 ³ / ₁₆ "	56.2	69.9	20.6	0.86	0.39
	5346SST6-FB	1½"	1½"	41mm	50mm	2½"	3 ³ / ₈ "	1 ³ / ₁₆ "	63.7	85.7	20.6	1.19	0.54
	45 Degrees	5347SST6-FB	2"	2"	53mm	63mm	3"	3 ⁷ / ₈ "	7 ⁸ / ₁₆ "	76.6	98.4	22.2	2.68
	5352SST6-FB	½"	½"	16mm	20mm	1 ⁹ / ₃₂ "	1 ⁹ / ₁₆ "	9 ¹ / ₁₆ "	32.6	39.7	14.3	0.37	0.17
	5353SST6-FB	¾"	¾"	21mm	25mm	1 ¹⁹ / ₃₂ "	1 ³ / ₄ "	9 ¹ / ₁₆ "	40.5	44.5	14.3	0.52	0.24
	5354SST6-FB	1"	1"	27mm	32mm	1 ¹³ / ₁₆ "	2 ³ / ₁₆ "	¾"	46.5	55.6	19.1	0.79	0.36
	5355SST6-FB	1¼"	1¼"	35mm	40mm	2 ¹³ / ₁₆ "	2 ³ / ₄ "	1 ³ / ₁₆ "	56.2	69.9	20.6	1.26	0.57
	5356SST6-FB	1½"	1½"	41mm	50mm	2½"	2 ¹⁵ / ₁₆ "	1 ³ / ₁₆ "	63.7	74.6	20.6	1.75	0.79
	90 Degrees	5357SST6-FB	2"	2"	53mm	63mm	3"	3 ⁷ / ₁₆ "	7 ⁸ / ₁₆ "	76.6	87.3	22.2	3.30

Note:

- Dimensions for reference only.
- Product must be installed in accordance with applicable national and local electrical codes.

