

FEATURES

- Enables secure connection of a probe into a thermowell or bulkhead
- Quick and easy adjustment of sensor immersion length
- BSPP parallel thread
- 303 stainless steel for durability

RS PRO Thermocouple Compression Fitting for use with Thermocouple With 6mm Probe Diameter, 1/2 BSPP

RS Stock No.: 381-7407



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO a high-quality 303 stainless steel compression fitting or compression gland for attaching the probe of your thermocouple or RTD (Resistance Temperature Detector) securely into process fittings such as flange plates and thermowells. This stainless steel compression fitting also provides a quick and convenient way of securing your probe at the correct immersion depth into the process it is measuring.

Accessories

Locknuts are available for these compression fittings

Stock number [762-1171](#) is a locknut for a BSPP 1/8 fitting

Stock number [762-1174](#) is a locknut for a BSPP 1/4 fitting

Stock number [762-1178](#) is a locknut for a BSPP 1/2 fitting

General Specifications

Accessory Type	Thermocouple Compression Fitting
For Use With	Thermocouple
Applications	1/2 BSPP Connector

Mechanical Specifications

Connector Size	BSP Parallel (thread)
Connector Type	1/2"
To Suitable	6.0mm

Approvals

Compliance/Certifications	RoHS
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(BSP, BSPT, M8, M16 & M20)



(BSP parallel example - 381-7362, see below for other sizes)



(BSPT tapered example – 286-787, see below for other sizes)

BSP Parallel:

Type	Thread Size	Thread Type	Suits Probe Ø	Allied code	RS order code
St/Steel	1/8"	BSP Parallel	1.0mm	70654828	804-7975
St/Steel	1/8"	BSP Parallel	1.5mm	70643728	381-7334
St/Steel	1/8"	BSP Parallel	2.0mm		131-4765
St/Steel	1/8"	BSP Parallel	3.0mm	70643729	381-7340
St/Steel	1/8"	BSP Parallel	4.0mm	70657784	839-9566
St/Steel	1/8"	BSP Parallel	4.5mm	70657785	839-9569
St/Steel	1/8"	BSP Parallel	6.0mm	70643730	381-7356
St/Steel	1/8"	BSP Parallel	1/4"		110-4476
St/Steel	1/8"	BSP Parallel	1/8"	70657782	839-9557
St/Steel	1/8"	BSP Parallel	3/16"	70657783	839-9563
St/Steel	1/4"	BSP Parallel	1.5mm		178-0960
St/Steel	1/4"	BSP Parallel	3.0mm	70643731	381-7362
St/Steel	1/4"	BSP Parallel	4.0mm		178-0961
St/Steel	1/4"	BSP Parallel	4.5mm	70657786	839-9572
St/Steel	1/4"	BSP Parallel	6.0mm	70643732	381-7378
St/Steel	1/4"	BSP Parallel	1/4"	70657787	839-9575
St/Steel	1/4"	BSP Parallel	1/8"		178-0962
St/Steel	1/4"	BSP Parallel	3/16"	70657779	839-9547
St/Steel	1/2"	BSP Parallel	3.0mm	70657788	839-9579
St/Steel	1/2"	BSP Parallel	4.5mm	70657791	839-9588
St/Steel	1/2"	BSP Parallel	6.0mm	70643735	381-7407
St/Steel	1/2"	BSP Parallel	8.0mm	70657789	839-9581

BSPT Tapered:

Type	Thread Size	Thread Type	Suits Probe Ø	Allied code	RS order code
St/Steel	1/8"	BSPT Tapered	1.0mm	70654831	804-7984
St/Steel	1/8"	BSPT Tapered	1.5mm	70637825	286-743
St/Steel	1/8"	BSPT Tapered	2.0mm		131-4766
St/Steel	1/8"	BSPT Tapered	3.0mm	70636461	158-610
St/Steel	1/8"	BSPT Tapered	4.0mm		178-0963
St/Steel	1/8"	BSPT Tapered	4.5mm	70637826	286-759
St/Steel	1/8"	BSPT Tapered	6.0mm	70657792	839-9591
St/Steel	1/8"	BSPT Tapered	1/4"		110-4475
St/Steel	1/8"	BSPT Tapered	1/8"	70657793	839-9594
St/Steel	1/8"	BSPT Tapered	3/16"	70657794	839-9597
St/Steel	1/4"	BSPT Tapered	1.5mm		178-0964
St/Steel	1/4"	BSPT Tapered	3.0mm	70643733	381-7384
St/Steel	1/4"	BSPT Tapered	4.0mm	70643733	178-0965
St/Steel	1/4"	BSPT Tapered	4.5mm	70657796	839-9604
St/Steel	1/4"	BSPT Tapered	6.0mm	70643734	381-7390
St/Steel	1/4"	BSPT Tapered	1/4"	70657797	839-9608
St/Steel	1/4"	BSPT Tapered	1/8"	70657795	839-9601
St/Steel	1/4"	BSPT Tapered	3/16"	70657790	839-9585
St/Steel	1/2"	BSPT Tapered	3.0mm	70657777	839-9541
St/Steel	1/2"	BSPT Tapered	4.5mm	70637828	286-787
St/Steel	1/2"	BSPT Tapered	6.0mm	70637829	286-793
St/Steel	1/2"	BSPT Tapered	8.0mm	70657780	839-9550

Type	Thread Type	Pitch	Suits Probe Ø	Allied code	RS order code
St/Steel	M8	1mm	1.0mm		136-5856
St/Steel	M8	1mm	1.5mm		136-5857
St/Steel	M8	1mm	2.0mm		136-5858
St/Steel	M8	1mm	3.0mm		136-5859
St/Steel	M8	1mm	4.0mm		178-0966
St/Steel	M8	1mm	4.5mm		178-0967
St/Steel	M8	1mm	1/8"		178-0968
St/Steel	M8	1mm	3/16"		178-0969
St/Steel	M16	1.5mm	3.0mm	70657800	839-9617
St/Steel	M16	1.5mm	4.5mm		178-0970
St/Steel	M16	1.5mm	6.0mm	70657798	839-9610
St/Steel	M16	1.5mm	8.0mm	70657799	839-9614
St/Steel	M20	1.5mm	1.5mm		178-0971
St/Steel	M20	1.5mm	3.0mm		136-5860
St/Steel	M20	1.5mm	4.5mm		136-5861
St/Steel	M20	1.5mm	6.0mm		136-5862
St/Steel	M20	1.5mm	8.0mm		178-0972

Stainless Steel locknuts also available:

Thread	Allied code	RS order code
S/Steel 1/8" BSPP	70651759	762-1180
S/Steel 1/4" BSPP	70651760	762-1184
S/Steel 1/2" BSPP	70651762	762-1193

