

FITTINGS AND COMPONENTS FOR SENSOR PROBES

Manufactured in-house to ISO 9001



LABFACILITY
TEMPERATURE & PROCESS TECHNOLOGY

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Certificate No. 4746

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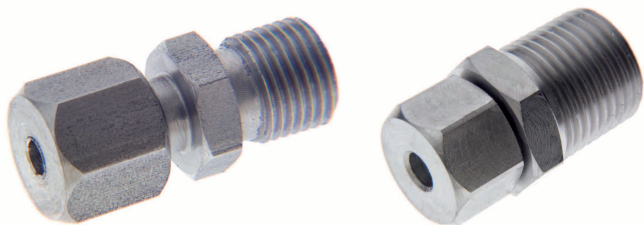
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Thread types, where applicable, include Imperial, Metric and US(NPT) as available.

Alternative threads & dimensions are available to special order.

Specifications & availability may be subject to change.

Compression Fittings – Stainless Steel



Compression Fittings (stainless steel)

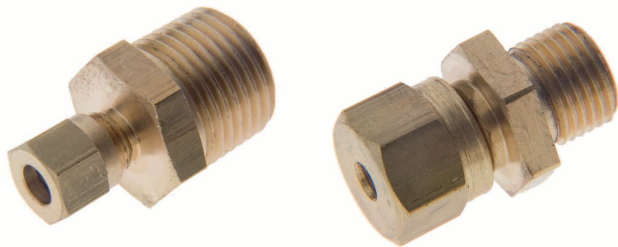
Part No.	Thread	To suit
FC-129	1/8" BSPP	1.0mm
FC-132	1/8" BSPP	1.5mm
FC-140	1/8" BSPP	3.0mm
FC-139	1/8" BSPP	1/8"
FC-203	1/8" BSPP	4.0mm
FC-143	1/8" BSPP	4.5mm
FC-137	1/8" BSPP	3/16"
FC-138	1/8" BSPP	6.0mm
FC-130	1/8" BSPT	1.0mm
FC-131	1/8" BSPT	1.5mm
FC-133	1/8" BSPT	3.0mm
FC-134	1/8" BSPT	1/8"
FC-141	1/8" BSPT	4.5mm
FC-135	1/8" BSPT	3/16"
FC-136	1/8" BSPT	6.0mm
FC-150	1/8" NPT	1.0mm
FC-151	1/8" NPT	1.5mm
FC-152	1/8" NPT	3.0mm
FC-153	1/8" NPT	1/8"
FC-154	1/8" NPT	4.5mm
FC-155	1/8" NPT	3/16"
FC-156	1/8" NPT	6.0mm

Part No.	Thread	To suit
FC-159	1/4" BSPP	3.0mm
FC-161	1/4" BSPP	1/8"
FC-166	1/4" BSPP	4.5mm
FC-169	1/4" BSPP	3/16"
FC-168	1/4" BSPP	6.0mm
FC-170	1/4" BSPP	1/4"
FC-171	1/4" BSPP	8.0mm
FC-158	1/4" BSPT	3.0mm
FC-160	1/4" BSPT	1/8"
FC-162	1/4" BSPT	4.5mm
FC-163	1/4" BSPT	3/16"
FC-167	1/4" BSPT	6.0mm
FC-165	1/4" BSPT	1/4"
FC-172	1/4" BSPT	8.0mm
FC-180	1/4" NPT	3.0mm
FC-181	1/4" NPT	1/8"
FC-182	1/4" NPT	4.5mm
FC-183	1/4" NPT	3/16"
FC-184	1/4" NPT	6.0mm
FC-185	1/4" NPT	8.0mm
FC-193	3/8" BSPP	8.0mm
FC-197	3/8" BSPT	6.0mm
FC-195	3/8" NPT	6.0mm
FC-199	1/2" BSPP	3.0mm
FC-205	1/2" BSPP	4.5mm
FC-201	1/2" BSPP	6.0mm
FC-212	1/2" BSPP	8.0mm
FC-213	1/2" BSPP	3/8"

Compression Fittings – Brass

Compression Fittings (stainless steel) cont.

FC-209	1/2" BSPT	3.0mm
FC-208	1/2" BSPT	4.5mm
FC-200	1/2" BSPT	6.0mm
FC-210	1/2" BSPT	8.0mm
FC-211	1/2" BSPT	3/8"
FC-240	1/2" NPT	3.0mm
FC-241	1/2" NPT	4.5mm
FC-242	1/2" NPT	6.0mm
FC-243	1/2" NPT	8.0mm
FC-244	1/2" NPT	3/8"
FC-219	3/4" BSPP	6.0mm
FC-220	3/4" BSPT	6.0mm
FC-226	M16 x 1.5	3.0mm
FC-223	M16 x 1.5	6.0mm
FC-225	M16 x 1.5	8.0mm



Compression Fittings (brass)

Part No.	Thread	To suit
FC-016	1/8" BSPP	1.0mm
FC-017	1/8" BSPP	1.5mm
FC-018	1/8" BSPP	3.0mm
FC-003	1/8" BSPP	1/8"
LW-521	1/8" BSPP	4.0mm
FC-009	1/8" BSPP	4.5mm
FC-007	1/8" BSPP	3/16"
FC-012	1/8" BSPP	6.0mm
FC-010	1/8" BSPP	1/4"
FC-015	1/8" BSPT	1.0mm
FC-001	1/8" BSPT	1.5mm

Part No.	Thread	To suit
FC-002	1/8" BSPT	3.0mm
FC-004	1/8" BSPT	1/8" mm
FC-005	1/8" BSPT	4.5mm
FC-008	1/8" BSPT	3/16"
FC-011	1/8" BSPT	6.0mm
FC-014	1/8" BSPT	1/4"
FC-112	1/8" NPT	1.5mm
FC-021	1/8" NPT	3.0mm
FC-022	1/8" NPT	1/8"
FC-023	1/8" NPT	4.5mm
FC-024	1/8" NPT	3/16"
FC-025	1/8" NPT	6.0mm
FC-028	1/4" BSPP	3.0mm
FC-031	1/4" BSPP	1/8"
FC-038	1/4" BSPP	4.5mm
FC-034	1/4" BSPP	3/16"
FC-036	1/4" BSPP	6.0mm
FC-042	1/4" BSPP	1/4"
FC-041	1/4" BSPP	5/16"
FC-029	1/4" BSPT	3.0mm
FC-030	1/4" BSPT	1/8"
FC-032	1/4" BSPT	4.5mm
FC-033	1/4" BSPT	3/16"
FC-037	1/4" BSPT	6.0mm
FC-035	1/4" BSPT	1/4"
FC-040	1/4" BSPT	5/16"
FC-050	1/4" NPT	3.0mm
FC-051	1/4" NPT	1/8"
FC-052	1/4" NPT	4.5mm
FC-053	1/4" NPT	3/16"
FC-054	1/4" NPT	6.0mm
FC-055	1/4" NPT	8.0mm
FC-064	3/8" BSPP	3/8"
FC-060	3/8" BSPT	1/4"
FC-062	3/8" BSPT	8.0mm

Alternatives made to order – other threads, other dimensions – please contact our Sales Dept.

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Olives and Locknuts

Compression Fittings (brass) cont.

Part No.	Thread	To suit
FC-085	1/2" BSPP	3.0mm
FC-086	1/2" BSPP	4.5mm
LW-520	1/2" BSPP	6.0mm
<i>Note: This item Zinc Plated Carbon Steel</i>		
FC-090	1/2" BSPP	1/4"
FC-094	1/2" BSPT	3.0mm
FC-013	1/2" BSPT	4.5mm
FC-092	1/2" BSPT	6.0mm
FC-091	1/2" BSPT	1/4"
FC-097	1/2" BSPT	8.0mm
FC-080	1/2" NPT	3.0mm
FC-081	1/2" NPT	4.5mm
FC-082	1/2" NPT	6.0mm
FC-083	1/2" NPT	8.0mm
FC-084	1/2" NPT	3/8"
FC-098	3/4" BSPP	6.0mm
FC-099	3/4" BSPT	6.0mm



Olives (stainless steel)

Part No.	To suit
FO-051	1.0mm
FO-052	1.5mm
FO-053	3.0mm
FO-054	1/8"
FO-064	4.0mm
FO-055	4.5mm
FO-056	3/16"
FO-057	6.0mm
FO-058	1/4"
FC-062	8.0mm



Olives (brass)

Part No.	To suit
FO-001	1.0mm
FO-003	1.5mm
FO-004	3.0mm
FO-005	1/8"
FO-014	4.0mm
FO-006	4.5mm
FO-007	3/16"
FO-008	6.0mm
FO-009	1/4"
FO-013	5/16"
FO-012	8.0mm



Locknuts (stainless steel)

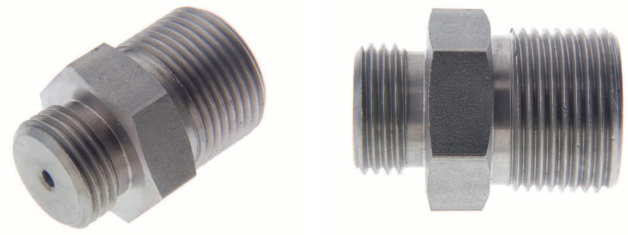
Part No.	Thread
FL-253	M8 x 1
FL-250	1/8" BSPP
FL-252	1/4" BSPP
FL-255	1/2" BSPP
LW-832	3/4" BSPP

Plugs, Nipples and Reducers

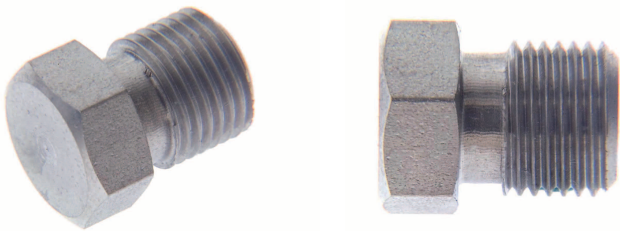


Locknuts (brass)

Part No.	Thread
FL-240	M8 x 1
FL-236	1/8" BSPP
FL-235	1/4" BSPP
FL-237	1/2" BSPP
FL-239	3/4" BSPP



BC-458	1/8" BSPP x 1/2" BSPP
FM-001	1/4" BSPP x 1/2" BSPP
FC-202	1/2" BSPP x 1/2" BSPP
FC-206	1/2" BSPP x 1/2" BSPT
FP-303	1/2" BSPP x 3/4" BSPP
FM-008	1/2" BSPP x 1" BSPP

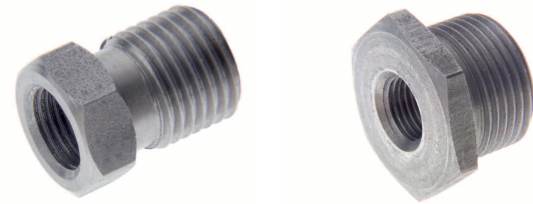


Plugs (stainless steel)

Part No.	Thread
FP-319	1/8" BSPP
FP-320	1/4" BSPP
FP-323	1/2" BSPP
FP-324	3/4" BSPP
FP-315	1/8" BSPT
LW-535	1/4" BSPT
FP-317	1/2" BSPT
LW-479	3/4" BSPT
FP-330	M10 x 1
FP-310	M14 x 1.5
LW-478	M24 x 1.5

Nipples (stainless steel)

Part No.	Thread
BC-454	1/8" BSPP x 1/8" BSPP
FM-005	1/8" BSPP x 1/4" BSPP



Reducers (stainless steel)

Part No.	Thread
FR-370	1/4" BSPP x 1/8" BSPP
FR-373	3/8" BSPP x 1/4" BSPP
FR-374	1/2" BSPP x 1/8" BSPP
FR-375	1/2" BSPP x 1/4" BSPP
FR-378	1/2" BSPT x 1/8" BSPP
FM-002	1/2" BSPT x 1/4" BSPP
FR-372	3/4" BSPP x 1/4" BSPP



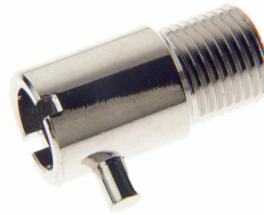
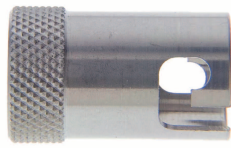
Reducers (brass)

Part No.	Thread
FR-350	1/4" BSPP x 1/8" BSPP
FR-351	3/8" BSPP x 1/8" BSPP
FR-352	1/2" BSPP x 1/4" BSPP
FR-353	3/4" BSPP x 1/4" BSPP

Alternatives made to order – other threads, other dimensions – please contact our Sales Dept.

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Bayonet Caps & Adaptors and Flanges

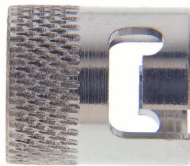


Bayonet Caps (stainless steel)

Part No.	ID	To suit spring	Slots
CA-460	11.5mm ID	plain 3mm hole	1
CA-461	11.5mm ID	3/16"	1
CA-462	11.5mm ID	6.0mm	1
CA-621	11.5mm ID	3/16"	2
CA-631	11.5mm ID	6.0mm	2
CA-605	12.5mm ID	6.0mm	2

Bayonet Adaptors (BNP brass)

Part No.	Length	Thread	Pegs
CA-400	22mm	1/8" BSPP	1
CA-401	35mm	1/8" BSPP	1
CA-402	48mm	1/8" BSPP	1
CA-403	64mm	1/8" BSPP	1
CA-408	100mm	1/8" BSPP	1
CA-404	22mm	1/8" BSPP	2
CA-405	35mm	M10 x 1	1

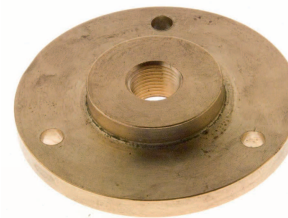


Bayonet Caps (BNP brass)

Part No.	ID	To suit spring	Slots
CA-451	11.5mm ID	3/16"	1
CA-114	11.5mm ID	6.0mm	1
CA-452	12.5mm ID	6.0mm	2

Flanges (stainless steel)

Part No.	Diameter	pcd	Thread
CA-250	50mm	40mm	1/8" BSPP
CA-253	50mm	40mm	1/4" BSPP
CA-252	50mm	40mm	1/2" BSPP



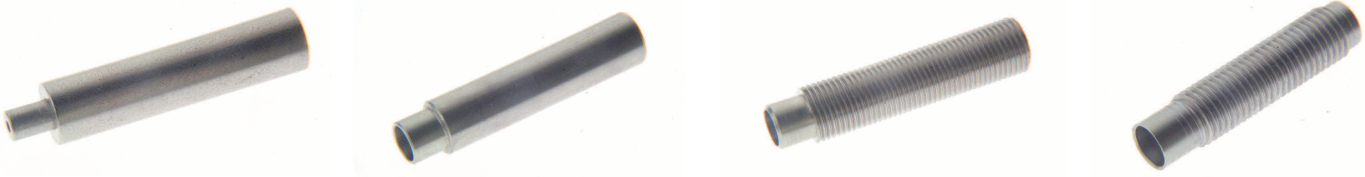
Bayonet Adaptors (stainless steel)

Part No.	Length	Thread	Pegs
CA-600	48mm	1/8" BSPP	1
CA-601	64mm	1/8" BSPP	1

Flanges (brass)

Part No.	Diameter	pcd	Thread
CA-251	50mm	40mm	1/8" BSPP

Pot Seals – Stainless Steel, Plain & Threaded

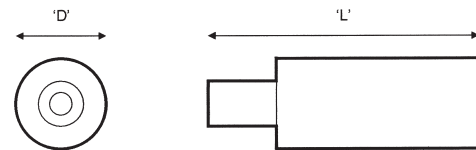


Pot Seals (plain stainless steel)

Part No.	Description	'D'mm	'L'mm
LW-129	Plain to suit 0.5mm	6.35	32
LW-130	Plain to suit 1.0mm	6.35	32
LW-855	Plain to suit 1.0mm	6.35	15
LW-131	Plain to suit 1.5mm	6.35	32
LW-563	Plain to suit 1.5mm	9.5	43
LW-126	Plain to suit 2.0mm	6.35	32
LW-132	Plain to suit 3.0mm	6.35	32
LW-565	Plain to suit 3.0mm	9.5	43
LW-133	Plain to suit 4.5mm	9.5	44
LW-550	Plain to suit 3/16"	9.5	25
LW-134	Plain to suit 6.0mm	9.5	44
LW-154	Plain to suit 1.0mm	8.0	30
LW-815	Plain to suit 1.5mm	8.0	30
LW-156	Plain to suit 3.0mm	8.0	30
LW-127	Plain to suit 1.0mm	6.0	32

Pot Seals (threaded stainless steel)

Part No.	Description	Thread	'L'mm
LW-148	M8x1 to suit 0.5mm	M8	35
LW-147	M8x1 to suit 1.0mm	M8	35
LW-145	M8x1 to suit 1.5mm	M8	35
BC-353	M8x1 to suit 2.0mm	M8	35
LW-139	M8x1 to suit 3.0mm	M8	35
LW-149	M8x1 to suit 3.0mm	M8	18.5
LW-566	M8x1 to suit 4.5mm	M8	35
LW-146	M8x1 to suit 6.0mm	M8	35
LW-137	1/8" BSP to suit 1.5mm	1/8" BSPP	44
LW-138	1/8" BSP to suit 3.0mm	1/8" BSPP	44
LW-141	1/8" BSP to suit 4.5mm	1/8" BSPP	44
LW-142	1/8" BSP to suit 6.0mm	1/8" BSPP	44



Thermopockets and Swaged Tips

Thermopockets

Stainless steel thermopockets of various sizes are designed for use with industrial style temperature probes to provide protection for the sheathing from corrosive media and to facilitate probe replacement without disturbing the process.

From stock, process connections are 1/2" BSPP as standard, a 1/8" BSPP compression fitting to suit diameter of probe is required to connect sensor to thermopocket (see pages 1&2).

Solid drilled, 303 stainless steel (12mm diameter stem)		
	*Stem length	Suits probe diameter
LB-006	50mm	6.0mm / 1/4"
LB-003	100mm	6.0mm / 1/4"
LB-001	150mm	6.0mm / 1/4"

Solid drilled high pressure version, 316 stainless steel (Tapered 12mm at tip)

LB-007	100mm	6.0mm / 1/4"
LB-008	150mm	6.0mm / 1/4"
LB-005	250mm	6.0mm / 1/4"

Fabricated, 316 stainless steel (8mm diameter stem)		
PT-294	50mm	3.0mm / 1/8"
PT-295	100mm	3.0mm / 1/8"
PT-296	150mm	3.0mm / 1/8"



Fabricated, 316 stainless steel (7/16" diameter stem)		
LW-008	100mm	6.0mm / 1/4"
LW-007	150mm	6.0mm / 1/4"
PT-302	350mm	6.0mm / 1/4"
PT-303	550mm	6.0mm / 1/4"

*Note: Sensor probe length should be minimum 50mm longer than stem of thermopocket to ensure complete entry and seating of probe via connection with compression fitting.

Swaged Tips

A **swaged tip** sheath combines quick thermal response with rugged probe construction. It allows good thermal sensitivity in processes in which such response would be difficult to achieve – a small thermal mass insertion length would otherwise require a thin wall, small diameter probe which would be vulnerable to damage in an industrial application.

Swaged tip probes are of particular value in flowing fluids media (gas, liquids etc), H&V applications, process plant and any application where a large thermal mass sensor would compromise accuracy and efficiency.

The sheaths have a relatively large diameter protection sheath over the main length to provide good physical protection to the sensor; the tip portion is swaged to the reduced outside diameter to achieve rapid thermal response.



Alternatives made to order – other threads, other dimensions – please contact our Sales Dept.

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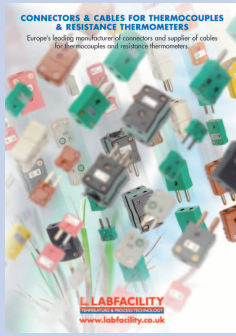
We also stock



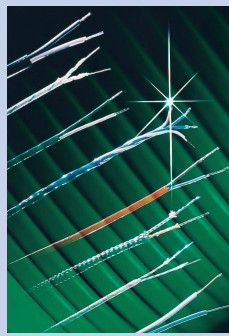
Sensing resistors
Pt100 & Pt1000,
flat-film &
wirewound



Terminal heads
& blocks



Thermocouple
& PRT connectors



Thermocouple &
PRT wire & cable



Thermocouple
& PRT sensors



Custom design

Details of our other component parts available from stock



Running (Captive) Nuts
Compression Fitting Cap Nuts
Connector Inserts
Melt Bolts
Nozzles, Nozzle Tips
FS Tips
Collars
Bayonet Assemblies
PTFE ferrules (olives)



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