



# Manifold Accessories

Catalog 4190-FP-ACC  
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## Lapped joint tube adaptors (LJ)

### Purpose

For applications involving small flanged process valves with simple conversion to instrument lines.

### Series LJ



### Specification

- 1/2" to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- Flange sealing:-  
Raised face spiral finish.
- Standard A-LOK® arrangement  
1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard CPI™ arrangement  
1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard stainless steel body (316).
- Other materials on application.

### Features

- Full heat code traceability to EN10204-3.1
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- Appropriate slipover flanges available.
- NACE MR 0175 / ISO 15156 compliance available on request.

### Part number construction

	Product code	Material (refer to table below)	Connection A-LOK maximum size 1" / 25mm	Flange size	Class (to be specified when slipovers required)	Optional slipover flanges (SF)
Example 1	LJF	B	8A	8	600	SF
Example 2	LJF	D	M6A	12		

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

Example 1: LJFB8A8600SF - Stainless steel, 1/2" O.D. A-LOK® tube connection to 1/2" (DN15) pipe flange, supplied with Class 600 slipover flange.

Example 2: LJFDM6A12 - Monel M400, 6mm O.D. A-LOK® tube connection to 3/4" (DN20) pipe flange.

Flange class must be specified when ordering slipover flange options.

A-LOK®/CPI products in Carbon Steel and Low temp  
Carbon Steel will be supplied with 316 nuts and ferrules

A-LOK®/CPI products can not be offered in the  
following materials:

E: Duplex UNS 31803

F: Super Duplex UNS.S.32750

### Material

- A** Carbon Steel A105
- B** Stainless Steel 316
- D** Monel M400
- E** Duplex UNS 31803
- F** Super Duplex UNS S.32750
- G** Hastelloy C-276
- H** Low Temp. C. St. A350 LF2
- K** 6Mo
- L** 825
- M** Inconel 625

### Flange to compression connectors (FC)

#### Purpose

One piece integral connectors allow the user to switch from piping flange standards to instrument compression with minimum cost and added safety. This system eliminates the need for additional connections.

#### Series FC



#### Specification

- 1/2" to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- Flanges to ANSI B16.5. (others available on request)
- Standard or inverted A-LOK® arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard or inverted CPI™ arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Flange sealing:-
  - Raised face spiral finish.
  - Ring type joint.
- Standard stainless steel body (316).
- Other materials on application.

#### Features

- Full heat code traceability to EN10204-3.1
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- Variety of materials available.
- NACE MR 0175 / ISO 15156 compliance available on request.

#### Part number construction

	Product code	Material (refer to table page 3)	Connection A-LOK maximum size 1" / 25mm	Flange size	Face style	Class
Example 1	FC	B	8A	16	F	600
Example 2	FC	K	M12A	8	T	1500

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

Example 1: FCB8A16F600 - Stainless steel, 1/2" O.D. A-LOK® tube connection, 1" pipe flange, raised face, class 600.

Example 2: FCKM12A8T1500 - 6Mo, 12mm O.D. A-LOK® tube connection to 1/2" pipe flange, ring type joint, class 1500.



## Kidney flanges to compression connectors (KF)

### Purpose

Integral A-LOK® twin ferrule connection for simple, easy and safe connection from process measurement impulse line to instrument or manifold

### Series KF



### Specification

- Rated to 6000psi.  
Max (depending on connection)
- Standard PTFE seal ring.
- Optional Graphite available.
- Standard stainless steel body (316).
- Standard A-LOK® arrangement  
1/4" to 1/2" (3mm to 12mm).
- Standard CPI™ arrangement  
1/4" to 1/2" (3mm to 12mm).
- Standard stainless steel body (316).
- Other materials on application.

### Features

- High tensile steel bolts standard.
- Full heat code traceability to EN10204-3.1
- 1/2" NB Sch.40 to Sch XXS butt weld connections available.
- Offset threads available.
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- NACE MR 0175 / ISO 15156 compliance available on request.

### Part number construction

	Product code	Material (refer to table page 3)	Connection A-LOK maximum size 1/2" / 12mm	Stainless steel bolts optional (SSB)	Graphite option (3)	NACE optional (N)
Example 1	KF	B	8A	–	3	–
Example 2	KF	B	8F	SSB		N

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

Example 1: KFB8A3 - Stainless steel, 1/2" O.D. A-LOK® tube connection, graphite sealing ring, 2 carbon steel bolts.

Example 2: KFB8FSSBN - Stainless steel, 1/2" Female NPT thread, P.T.F.E. sealing ring, 2 stainless steel bolts, complies to NACE.

## Swivel gauge adaptors

### Purpose

Parker's range of swivel gauge adaptors have been designed to provide 360° rotational movement enabling maximum positional orientation of installed gauges and measuring instruments. A fully contained sealing mechanism ensured total system integrity and offers the user up to 10,000 psig (690 barg) working pressure. Silver plated swivel nut thread and bearing area prevent thread galling of stainless steel threads and allow trouble free repeatable re-assembly.



### Specification

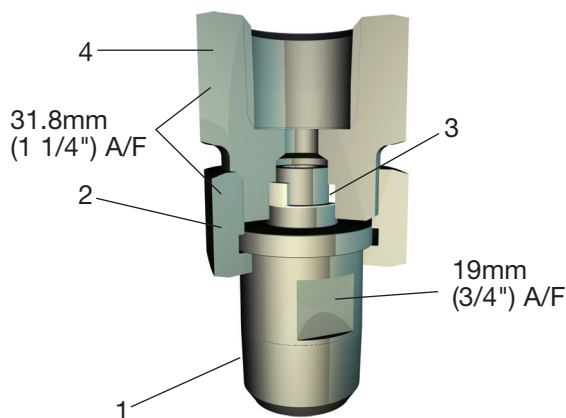
- 316 Stainless steel standard.
- 1/2" NPT male to 1/2" NPT female standard.
- 6,000 psig (414 barg) maximum pressure rating.
- Maximum temperature rating 260°C (500°F).
- Fully heat code traceable.
- Height = 66mm (2.60").
- A/F1 = 19mm (3/4").
- A/F2 = 31.8mm (1 1/4").

### Options

- Optional BSPP, BSPT & Metric male/female threads, BSPP female DIN 16288 spigot\* seal outlet arrangement.
- \* Note: for washers see CAT 4233 page 72 A-LOK®.
- 10,000 psig (689 barg) optional pressure rating.
- Graphoil packing for high temperature maximum 538°C (1,000°F).
- NACE MR 0175 / ISO 15156 compliance available on request.
- Heat code traceable certification.
- Other materials on application.

### Features

- Silver plated swivel thread and bearing surface to prevent thread galling and maximising re-make opportunities.
- Variety of thread options.
- Compact design.
- Fully contained and retained sealing mechanism.



### Part description

Item	Description
1	Inlet connector
2	Swivel nut
3	Seal
4	Gauge outlet connector

### Part number construction

	Product code	Material (refer to table page 3)	Inlet connection NPT standard	Outlet connection NPT standard	Graphoil option (3)	High pressure option (HP)	NACE optional (N)
Example 1	SG	B	8M	8F	3	HP	—
Example 2	SG	B	6M	8F			N

For male outlet change F to M.

For BSPP suffix M and/or F with R.

For BSPT suffix M and/or F with K.

For DIN 16288 spigot seal suffix F with RDIN.

Example 1: Stainless steel 1/2" NPT male inlet, 1/2" NPT female outlet, with graphoil seal and 10,000 psi (689 bar) rating.

Example 2: Stainless steel 3/8" NPT male inlet, 1/2" NPT female outlet, with P.T.F.E. (standard) and in accordance with NACE requirements.

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**Parker Hannifin Corporation**  
Instrumentation Products Division  
1005 A Cleaner Way  
Huntsville, AL 35805  
USA  
Tel: (256) 881-2040  
Fax: (256) 881-5072  
**[www.parker.com/ipdus](http://www.parker.com/ipdus)**

**Parker Hannifin Ltd.**  
Instrumentation Products Division  
Riverside Road  
Pottington Business Park  
Barnstaple, Devon EX31 1NP  
England  
Tel: +44 (0)1271 313131  
Fax: +44 (0)1271 373636  
Email: [ipd@parker.com](mailto:ipd@parker.com)  
**[www.parker.com/ipd](http://www.parker.com/ipd)**