

Floating Joints - Quick Connection Type

[Tapped] Cylinder Connector Fixed

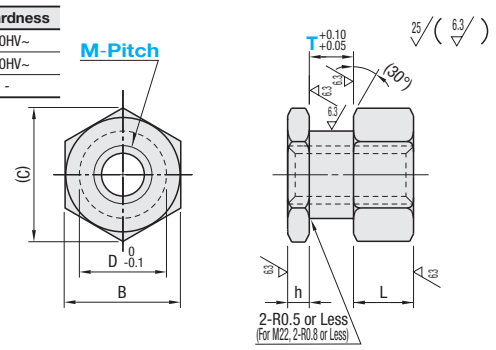
■ Features: The tip is a connector connected to threaded cylinder rod. It is a low-priced fixed type.



| Type | Material | Surface Treatment | Hardness |
|--------------|-----------------|---------------------|----------|
| FJG | S45C Equivalent | Hard Chrome Plating | 750HV~ |
| FJR | S45C Equivalent | Tuffride® | 500HV~ |
| FJRSS | SUS304 | - | - |

☞ For FJRSW, see eCatalog.

☞ Tuffride® is a trademark of DURFERRIT GmbH.
 ☞ Tuffride® may cause uneven color, which doesn't affect mechanical function.
 ☞ For details of Tuffride®, see P1907.



Fixed

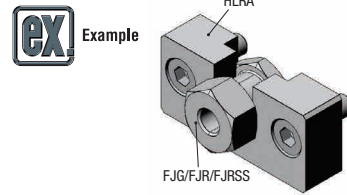
| Part Number | Type | M-Pitch | T | L | h | D | B | C | Unit Price | | | | Applicable Holder | | | | | | |
|-------------|---------------------|---------|----|----|------|------|---|---|------------|-----|-------|-------------|-------------------|-------------|-------------|--|--|--|--|
| | | | | | | | | | FJG | FJR | FJRSS | HLRA P.1533 | HLRB P.1535 | HLRC P.1534 | HLRE P.1536 | | | | |
| 3-0.5 | FJG FJR FJRSS | 4 | 5 | 6 | 8 | 9.2 | | | | | | | | | | | | | |
| 4-0.7 | | 6 | 7 | 10 | 11.5 | | | | | | | | | | | | | | |
| 5-0.8 | | 6 | 7 | 8 | 12 | 13.9 | | | | | | | | | | | | | |
| 6-1.0 | | 8 | 10 | 14 | 16.2 | | | | | | | | | | | | | | |
| 8-1.0 | | 8 | 9 | 13 | 17 | 19.6 | | | | | | | | | | | | | |
| 8-1.25 | | 8 | 11 | 14 | 19.6 | | | | | | | | | | | | | | |
| 10-1.25 | | 12 | 16 | 21 | 24.2 | | | | | | | | | | | | | | |
| 10-1.5 | | 12 | 18 | 23 | 26.6 | | | | | | | | | | | | | | |
| 12-1.25 | | 12 | 18 | 23 | 26.6 | | | | | | | | | | | | | | |
| 12-1.5 | | 12 | 21 | 26 | 30 | | | | | | | | | | | | | | |
| 14-1.5 | | 13 | 21 | 26 | 30 | | | | | | | | | | | | | | |
| 16-1.5 | | 15 | 25 | 30 | 34.6 | | | | | | | | | | | | | | |
| 18-1.5 | | 15 | 25 | 30 | 34.6 | | | | | | | | | | | | | | |
| 22-1.5 | | 20 | 27 | 32 | 36.9 | | | | | | | | | | | | | | |

☞ FJG is a floating connector for air cylinders.

Ordering Example

| | | |
|-------------|---|---|
| Part Number | - | T |
| FJG8-1.25 | - | 4 |
| FJR5-0.8 | - | 6 |
| FJRSS4-0.7 | - | 4 |

■ Features for new standard "FJG"
 • Global standard supported internationally
 • Low price is realized through mass production.
 • Plating makes the external quality superior to the previous products.



T Selectable Type

| Part Number | Type | M-Pitch | T Selection | | | | | | | | | | L | h | D | B | (C) | Unit Price | |
|-------------|--------------|---------|-------------|----|----|----|----|-------|----|----|----|----|---|---|---|------|-----|------------|-------|
| | | | FJR | | | | | FJRSS | | | | | | | | | | FJR | FJRSS |
| 3-0.5 | FJR FJRSS | 2 | 3 | 5 | 6 | | | | | | | 3 | 5 | 6 | 8 | 9.2 | | | |
| 4-0.7 | | 2 | 3 | 5 | 6 | 8 | | | | | | 3 | 5 | 6 | 8 | 11.5 | | | |
| 5-0.8 | | 3 | 4 | 5 | 8 | 9 | 10 | | | | | 3 | 4 | 5 | 8 | 13.9 | | | |
| 6-1.0 | | 3 | 4 | 5 | 8 | 9 | 10 | 12 | | | | 4 | 5 | 8 | | 16.2 | | | |
| 8-1.0 | | 4 | 5 | 6 | 9 | 10 | 12 | 13 | 15 | 16 | | | | | | 19.6 | | | |
| 8-1.25 | | 4 | 5 | 6 | 9 | 10 | 12 | 13 | 15 | 16 | | | 5 | 6 | | 19.6 | | | |
| 10-1.25 | | 4 | 5 | 6 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | | | | | | | |
| 10-1.5 | | 4 | 5 | 6 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | | | | | | | |
| 12-1.25 | | 5 | 6 | 8 | 9 | 10 | 13 | 15 | 16 | 19 | 20 | | | | | | | | |
| 12-1.5 | | 5 | 6 | 8 | 9 | 10 | 13 | 15 | 16 | 19 | 20 | | | | | | | | |
| 14-1.5 | | 5 | 6 | 8 | 9 | 10 | 13 | 15 | 16 | 19 | 20 | | | 8 | 9 | 10 | 16 | 19 | |
| 16-1.5 | | 8 | 9 | 10 | 12 | 13 | 16 | 19 | 20 | | | | | | | | | | |
| 18-1.5 | | 8 | 9 | 10 | 12 | 13 | 16 | 19 | 20 | | | | | | | | | | |
| 22-1.5 | | 12 | 15 | | | | | | | | | | | | | | | | |

☞ For compatible holders, see HLRAF (P1533).

Ordering Example

| | | |
|-------------|---|---|
| Part Number | - | T |
| FJR5-0.8 | - | 8 |
| FJRSS4-0.7 | - | 8 |

Floating Joints - Quick Connection Type

[Tapped] Cylinder Connector Configurable

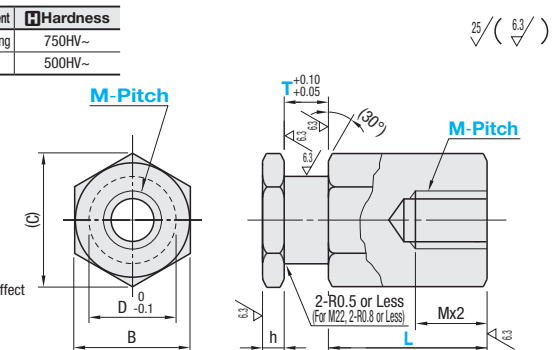
■ Features: Fine adjustment of size is possible with size configurable type.



| Type | Material | Surface Treatment | Hardness |
|-------------|-----------------|---------------------|----------|
| FJGF | S45C Equivalent | Hard Chrome Plating | 750HV~ |
| FJRL | S45C Equivalent | Tuffride® | 500HV~ |

☞ For FJRSL, see eCatalog.

☞ Tuffride® is a trademark of DURFERRIT GmbH.
 ☞ Tuffride® may cause uneven color, which doesn't affect mechanical function.
 ☞ For details of Tuffride®, see P1907.
 ☞ No Tuffride® Treatment on the Thread End of FJRL.



T / L Configurable

| Part Number | Type | M-Pitch | T | L | h | D | B | C | Unit Price |
|-------------|------|-----------|-------|---|----|----|------|-----|------------|
| | | | | | | | | | |
| 3-0.5 | FJGF | 2.0-20.0 | 3-10 | | 3 | 6 | 8 | 9.2 | |
| 4-0.7 | | 2.0-20.0 | 3-20 | | 7 | 10 | 11.5 | | |
| 5-0.8 | | 2.0-20.0 | 3-20 | | 8 | 12 | 13.9 | | |
| 6-1.0 | | 3.0-20.0 | 4-30 | | 10 | 14 | 16.2 | | |
| 8-1.0 | | 3.0-20.0 | 4-30 | | 13 | 17 | 19.6 | | |
| 8-1.25 | | 3.0-20.0 | 4-30 | | 13 | 17 | 19.6 | | |
| 10-1.25 | | 3.0-20.0 | 4-40 | | 16 | 21 | 24.2 | | |
| 10-1.5 | | 3.0-20.0 | 4-40 | | 16 | 21 | 24.2 | | |
| 12-1.25 | | 4.0-20.0 | 5-40 | | 18 | 23 | 26.6 | | |
| 12-1.5 | | 4.0-20.0 | 5-40 | | 18 | 23 | 26.6 | | |
| 14-1.5 | | 4.0-20.0 | 5-40 | | 21 | 26 | 30 | | |
| 16-1.5 | | 8.0-30.0 | 8-40 | | 25 | 30 | 34.6 | | |
| 18-1.5 | | 8.0-30.0 | 8-40 | | 25 | 30 | 34.6 | | |
| 22-1.5 | | 10.0-30.0 | 10-40 | | 27 | 32 | 36.9 | | |



Part Number - T - L

FJGF4-0.7 - 4.5 - 15

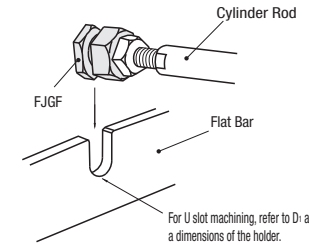
☞ When h+T+L≤3M, the tapped hole goes through.
 ☞ FJGF is a floating connector for air cylinders.

☞ Reference > Example of T Dimension Configuring Method
 • Configure T Dimension when using an Original Holder/Flat Bar combination.
 • It is possible to minimize backlash by "Size Configuration allowing for Groove Width/Allowance".

Example of Connector T Dimensions for Connection to Flat Bar

| Processing Method | Plate Thickness | Tolerance | | Connector T Dimension | Backlash* |
|--------------------|-----------------|-------------|-------------|-----------------------|-----------|
| | | Upper Limit | Lower Limit | | |
| Ex. 1 Cold Rolling | 4.5 | 0 | -0.1 | 4.5 | 0.05~0.2 |
| Ex. 2 Hot Rolling | 5 | +0.3 | -0.3 | 5.3 | 0.05~0.7 |

* Clearance for tolerance between Flat Bar and Connector



For U slot machining, refer to D1 and a dimensions of the holder.

T Selection / L Configurable

| Part Number | Type | M-Pitch | T Selection | | | | | | | | | | L | h | D | B | (C) | Unit Price |
|-------------|------|---------|---------------|----|----|----|----|----|----|----|----|--------|-------|-------|------|------|------|------------|
| | | | 1mm Increment | | | | | | | | | | | | | | | |
| 3-0.5 | FJRL | 2 | 3 | 4 | 5 | 6 | | | | | | 3-50 | 3 | 6 | 8 | 9.2 | | |
| 4-0.7 | | 2 | 3 | 4 | 5 | 6 | 8 | | | | | 3-60 | 7 | 10 | 11.5 | | | |
| 5-0.8 | | 3 | 4 | 5 | 6 | 8 | 9 | 10 | | | | 3-60 | 8 | 12 | 13.9 | | | |
| 6-1.0 | | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | | | 4-80 | 10 | 14 | 16.2 | | | |
| 8-1.0 | | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 4-100 | 13 | 17 | 19.6 | | | |
| 8-1.25 | | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 4-100 | 13 | 17 | 19.6 | | | |
| 10-1.25 | | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | 4-100 | 16 | 21 | 24.2 | |
| 10-1.5 | | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | 4-100 | 16 | 21 | 24.2 | |
| 12-1.25 | | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | 5-100 | 18 | 23 | 26.6 | | |
| 12-1.5 | | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | 5-100 | 18 | 23 | 26.6 | | |
| 14-1.5 | | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | 5-100 | 21 | 26 | 30 | | |
| 16-1.5 | | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | | 8-100 | 25 | 30 | 34.6 | | | |
| 18-1.5 | | 8 | 9 | 10 | 12 | 13 | 15 | 16 | 19 | 20 | | 8-100 | 25 | 30 | 34.6 | | | |
| 22-1.5 | | 12 | 15 | | | | | | | | | 10-100 | 27 | 32 | 36.9 | | | |

☞ For compatible holders, see HLRAF (P1533).

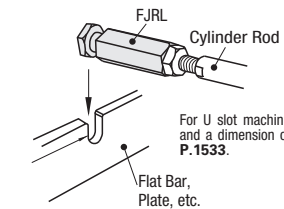
Ordering Example

| | | | | |
|-------------|---|---|---|----|
| Part Number | - | T | - | L |
| FJRL4-0.7 | - | 8 | - | 20 |



Example

☞ It is possible to extend or adjust the join length.



For U slot machining, refer to D1 and a dimension of the holder on P.1533.