

<http://www.daisen-coupling.jp>

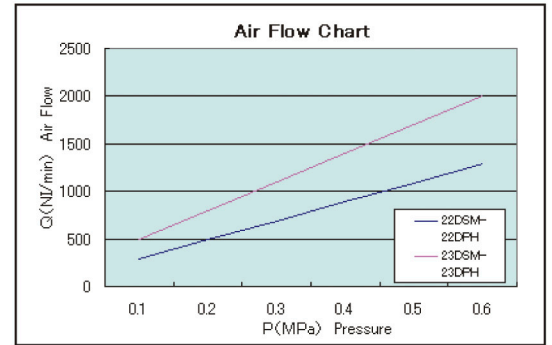
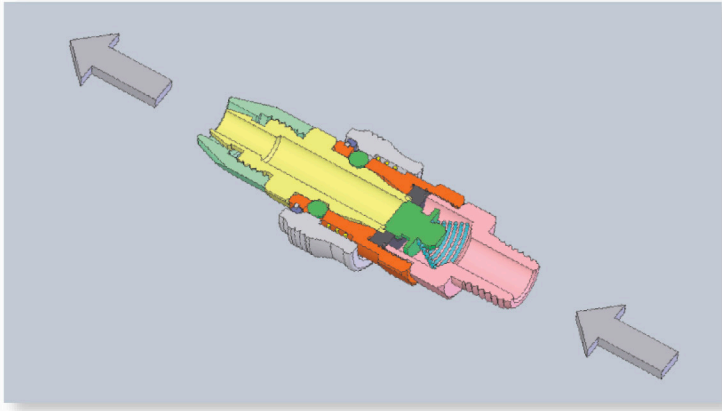


 **DAISEN®**

Standard Air Coupling

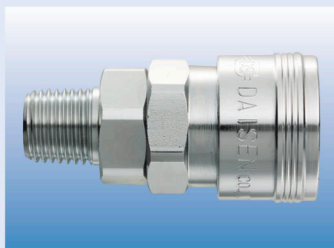
Interchange with Japanese standard plug

Can be used for general air coupling at the factory or use with air tools.
Rotary (swivel) type is available as standard.
Stainless made available.



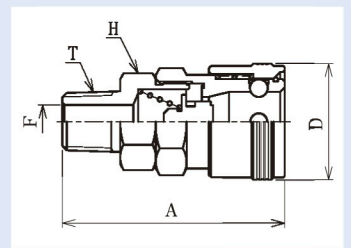
| | |
|--------------------------|---------------------------------------|
| Body Material | Steel , Stainless(20 series only) |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR (Viton is available upon request) |
| Temperature range in use | -20°C ~ +80°C |

Standard Socket



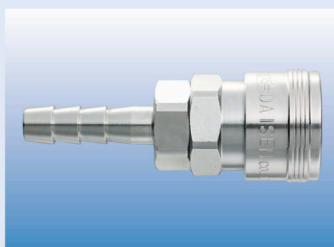
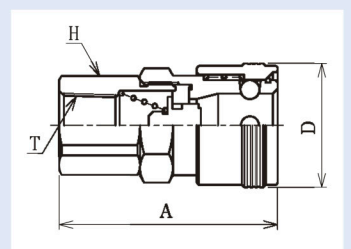
Male thread Socket

| BoreSize | Model | Thread | A | ∅ D | ∅ F | H | Weight(g) |
|--------------|--------|--------|------|-----|-----|----|-----------|
| 20 l type | 22-DSM | R1/4 | 50 | 25 | 7.5 | 19 | 76 |
| | 23-DSM | R3/8 | 50 | 25 | 8 | 19 | 86 |
| | 24-DSM | R1/2 | 51.5 | 25 | 13 | 21 | 91 |
| 40 l type | 44-DSM | R1/2 | 63 | 36 | 14 | 29 | 209 |
| | 46-DSM | R3/4 | 67 | 36 | 16 | 29 | 234 |
| | 48-DSM | R1 | 72 | 36 | 16 | 36 | 335 |



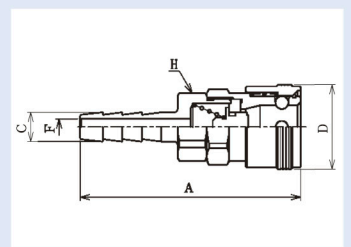
Female Thread Socket

| BoreSize | Model | Thread | A | ∅ D | H | Weight(g) |
|--------------|--------|--------|------|-----|----|-----------|
| 20 l type | 22-DSF | Rc1/4 | 46 | 25 | 19 | 81 |
| | 23-DSF | Rc3/8 | 50.5 | 25 | 21 | 93 |
| | 24-DSF | Rc1/2 | 51 | 25 | 26 | 112 |
| 40 l type | 44-DSF | Rc1/2 | 57 | 36 | 29 | 217 |
| | 46-DSF | Rc3/4 | 61 | 36 | 32 | 231 |
| | 48-DSF | Rc1 | 68 | 36 | 41 | 323 |



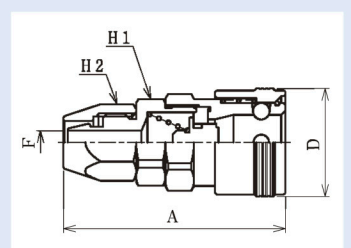
Barb (hose) connection Socket

| BoreSize | Model | Hose ID | A | ∅ C | ∅ D | ∅ F | H | Weight(g) |
|--------------|--------|---------|-----|------|-----|-----|----|-----------|
| 20 l type | 22-DSH | 1/4 | 67 | 9 | 25 | 5 | 19 | 78 |
| | 23-DSH | 3/8 | 71 | 11.3 | 25 | 7.5 | 19 | 81 |
| | 24-DSH | 1/2 | 71 | 15 | 25 | 9 | 19 | 94 |
| 40 l type | 44-DSH | 1/2 | 83 | 15 | 36 | 9 | 29 | 219 |
| | 46-DSH | 3/4 | 92 | 21 | 36 | 14 | 29 | 244 |
| | 48-DSH | 1 | 102 | 27 | 36 | 16 | 29 | 324 |



Nut Connection (For polyurethane Hose) Socket

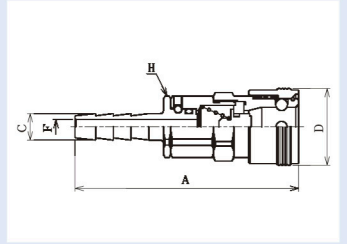
| Model | Hose Size | A | ∅ D | ∅ F | H1 | H2 | Weight(g) |
|---------|-----------|----|-----|-----|----|----|-----------|
| 50-DSC | 5.0×8.0 | 51 | 25 | 4 | 19 | 14 | 82 |
| 65-DSC | 6.5×10.0 | 53 | 25 | 5.7 | 19 | 16 | 86 |
| 70-DSC | 7.0×10.5 | 53 | 25 | 5.7 | 19 | 16 | 86 |
| 80-DSC | 8.0×12.0 | 56 | 25 | 6.5 | 19 | 19 | 100 |
| 85-DSC | 8.5×12.5 | 56 | 25 | 6.5 | 19 | 19 | 100 |
| 110-DSC | 11.0×16.0 | 61 | 25 | 9.5 | 21 | 23 | 131 |





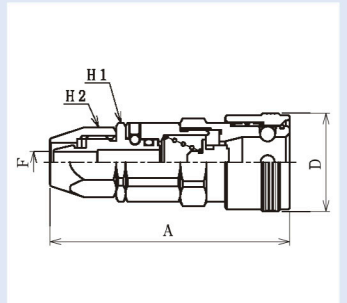
Barb (hose) connection Socket with Rotary function

| Model | Hose ID | A | ∠ C | φ D | φ F | H | Weight(g) |
|--------|---------|----|------|-----|-----|----|-----------|
| 22-SHR | 1/4 | 68 | 9 | 25 | 5 | 19 | 93 |
| 23-SHR | 3/8 | 68 | 11.3 | 25 | 7.5 | 19 | 93 |
| 24-SHR | 1/2 | 71 | 15 | 25 | 9 | 19 | 105 |

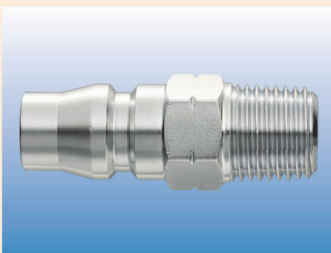


Nut Connection Socket (For polyurethane Hose) with Rotary function

| Model | Hose Size | A | ∠ D | ∠ F | F 1 | H 2 | Weight(g) |
|---------|-----------|------|-----|-----|-----|-----|-----------|
| 50-SRB | 5.0×8.0 | 61 | 25 | 4 | 19 | 14 | 100 |
| 65-SRB | 6.5×10.0 | 63 | 25 | 5.7 | 19 | 16 | 104 |
| 70-SRB | 7.0×10.5 | 63 | 25 | 5.7 | 19 | 16 | 104 |
| 80-SRB | 8.0×12.0 | 66 | 25 | 6.5 | 19 | 19 | 118 |
| 85-SRB | 8.5×12.5 | 66 | 25 | 6.5 | 19 | 19 | 118 |
| 110-SRB | 11.0×16.0 | 75.5 | 25 | 9.5 | 21 | 23 | 160 |

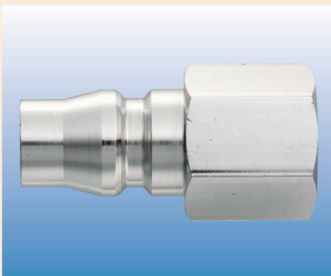
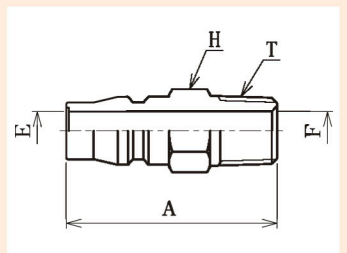


Standard Plug



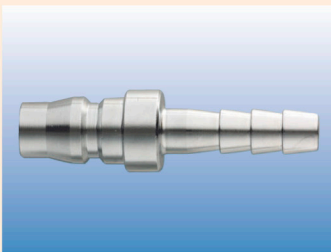
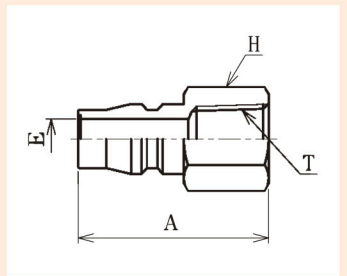
Male Thread Plug

| Model | Thread | A | ∠ E | ∠ F | H | Weight(g) |
|--------|--------|------|-----|-----|----|-----------|
| 21-DPM | R1/8 | 37 | 7.5 | 5 | 14 | 22 |
| 22-DPM | R1/4 | 41 | 7.5 | 7.5 | 14 | 26 |
| 23-DPM | R3/8 | 42 | 7.5 | 8 | 19 | 39 |
| 24-DPM | R1/2 | 42.5 | 7.5 | 13 | 21 | 49 |
| 44-DPM | R1/2 | 50 | 13 | 13 | 22 | 68 |
| 46-DPM | R3/4 | 55 | 13 | 19 | 29 | 103 |
| 48-DPM | R1 | 63 | 13 | 22 | 36 | 199 |



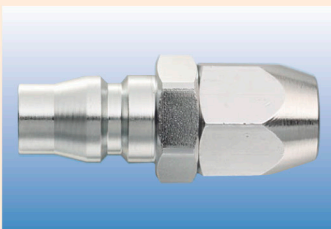
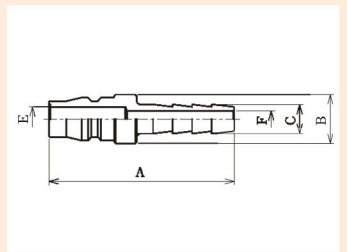
Female Thread Plug

| Model | Thread | A | ∠ E | H | Weight(g) |
|----------|--------|------|-----|----|-----------|
| 21-DPF | Rc1/8 | 32 | 7.5 | 14 | 20 |
| 22-DPF | Rc1/4 | 36 | 7.5 | 17 | 29 |
| 22-DPF-F | G1/4 | 31 | 7.5 | 17 | 22 |
| 23-DPF | Rc3/8 | 37.5 | 7.5 | 21 | 40 |
| 24-DPF | Rc1/2 | 39 | 7.5 | 26 | 57 |
| 44-DPF | Rc1/2 | 41 | 13 | 27 | 68 |
| 46-DPF | Rc3/4 | 45 | 13 | 32 | 97 |
| 48-DPF | Rc1 | 54 | 13 | 41 | 199 |



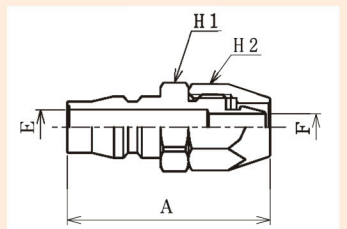
Barb (Hose) connection Plug

| Model | Hose ID | A | ∠ B | φ C | φ E | ∠ F | Weight(g) |
|--------|---------|----|-----|------|-----|-----|-----------|
| 21-DPH | 1/8 | 46 | 14 | 7.5 | 7.5 | 4.2 | 20 |
| 22-DPH | 1/4 | 57 | 16 | 9 | 7.5 | 5 | 28 |
| 23-DPH | 3/8 | 61 | 16 | 11.3 | 7.5 | 7.5 | 32 |
| 24-DPH | 1/2 | 65 | 18 | 15 | 7.5 | 9 | 51 |
| 44-DPH | 1/2 | 66 | 22 | 15 | 13 | 9 | 64 |
| 46-DPH | 3/4 | 77 | 25 | 21 | 13 | 13 | 106 |
| 48-DPH | 1 | 84 | 32 | 27 | 13 | 20 | 149 |



Nut Connection (For Polyurethane Hose) Plug

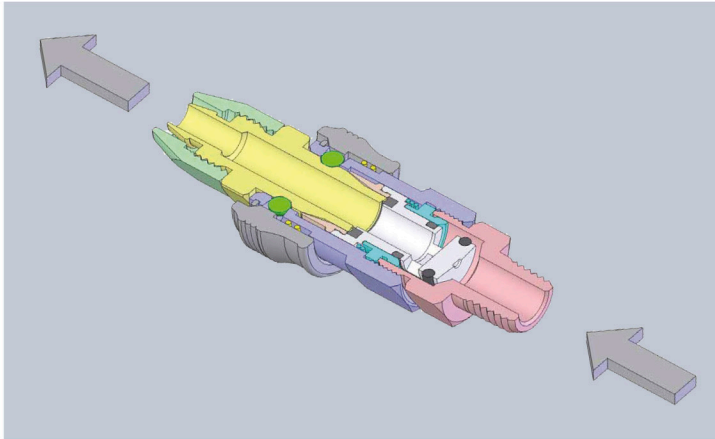
| Model | Hose Size | A | φ E | φ F | H 1 | H 2 | Weight(g) |
|---------|-----------|------|-----|-----|-----|-----|-----------|
| 50-DPC | 5.0×8.0 | 41 | 7.5 | 4 | 17 | 14 | 33 |
| 65-DPC | 6.5×10.0 | 43.5 | 7.5 | 5.7 | 17 | 16 | 40 |
| 70-DPC | 7.0×10.5 | 43.5 | 7.5 | 5.7 | 17 | 16 | 40 |
| 80-DPC | 8.0×12.0 | 46 | 7.5 | 6.5 | 19 | 19 | 59 |
| 85-DPC | 8.5×12.5 | 46 | 7.5 | 6.5 | 19 | 19 | 59 |
| 110-DPC | 11.0×16.0 | 54 | 7.5 | 9.5 | 24 | 23 | 100 |



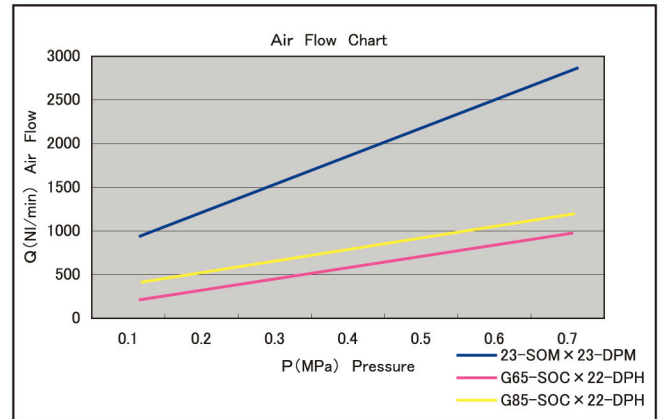
One Touch Connection Air Coupling

One-touch Coupling

A wide variety of pneumatic One-touch Connection Coupling for general pneumatic applications. Locking types and Swivel types are available on several models for added safety and ergonomics. The rubber covered sleeve type is available. It will not scratch painted or finished products surfaces on the production line.



| | |
|--------------------------|---------------|
| Body Material | Steel |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +80°C |

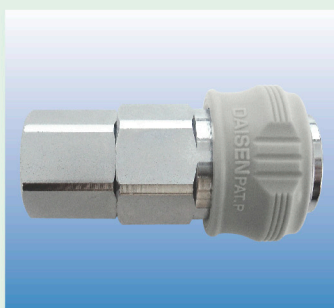
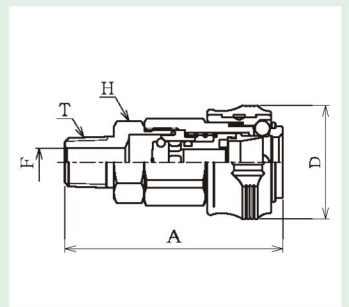


One touch Socket with Rubber Covered Sleeve



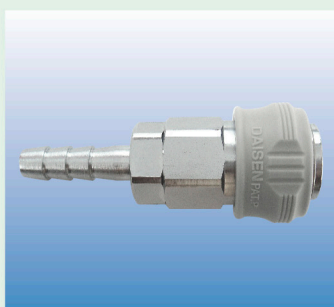
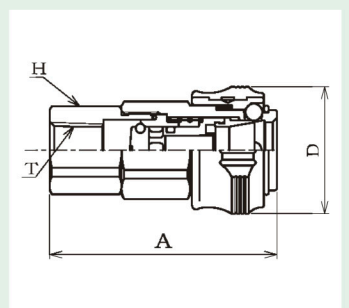
Male Thread Socket

| Model | Thread | A | ∅ D | ∅ F | H | Weight(g) |
|---------|--------|----|-----|-----|----|-----------|
| G22-SOM | R1/4 | 58 | 30 | 7.5 | 19 | 85 |
| G23-SOM | R3/8 | 59 | 30 | 8 | 19 | 95 |
| G24-SOM | R1/2 | 59 | 30 | 13 | 21 | 100 |



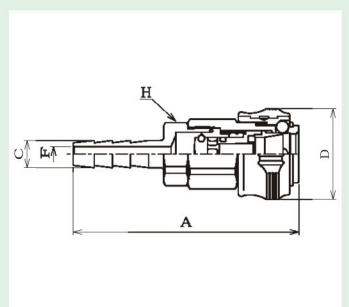
Female Thread Socket

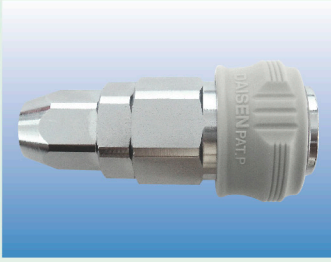
| Model | Thread | A | ∅ D | H | Weight(g) |
|---------|--------|----|-----|----|-----------|
| G22-SOF | Rc1/4 | 54 | 30 | 19 | 90 |
| G23-SOF | Rc3/8 | 58 | 30 | 21 | 102 |
| G24-SOF | Rc1/2 | 59 | 30 | 26 | 121 |



Barb (hose) connection Socket

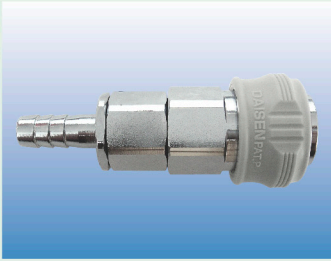
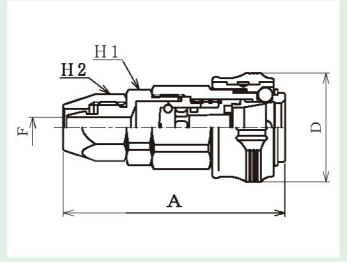
| Model | Hose ID | A | ∅ C | ∅ D | ∅ F | H | Weight(g) |
|---------|---------|----|------|-----|-----|----|-----------|
| G22-SOH | 1/4 | 75 | 9 | 30 | 5 | 19 | 87 |
| G23-SOH | 3/8 | 79 | 11.3 | 30 | 7.5 | 21 | 91 |
| G24-SOH | 1/2 | 79 | 15 | 30 | 9 | 26 | 103 |





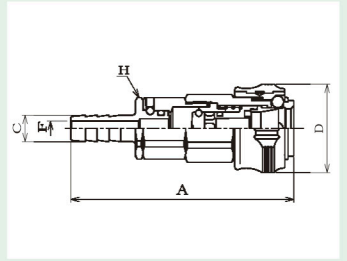
Nut Connection (For polyurethane Hose) Socket

| Model | Hose Size | A | ∠ D | φ F | F 1 | H2 | Weight(g) |
|----------|-----------|----|-----|-----|-----|----|-----------|
| G50-SOC | 5.0×8.0 | 29 | 30 | 4 | 19 | 14 | 90 |
| G65-SOC | 6.5×10.0 | 61 | 30 | 5.7 | 19 | 16 | 94 |
| G70-SOC | 7.0×10.5 | 61 | 30 | 5.7 | 19 | 19 | 94 |
| G80-SOC | 8.0×12.0 | 61 | 30 | 6.5 | 19 | 19 | 108 |
| G85-SOC | 8.5×12.5 | 64 | 30 | 6.5 | 19 | 19 | 108 |
| G110-SOC | 11.0×16.0 | 69 | 30 | 9.5 | 21 | 23 | 139 |



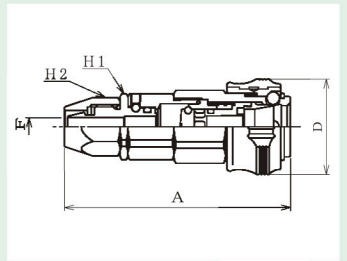
Barb (hose) connection Socket with Rotary function

| Model | Hose ID | A | ∠ C | φ D | φ F | H | Weight(g) |
|----------|---------|----|------|-----|-----|----|-----------|
| G22-SOHR | 1/4 | 76 | 9 | 30 | 5 | 19 | 102 |
| G23-SOHR | 3/8 | 76 | 11.3 | 30 | 7.5 | 19 | 102 |
| G24-SOHR | 1/2 | 79 | 15 | 30 | 9 | 19 | 113 |



Nut Connection Socket (For polyurethane Hose) with Rotary function

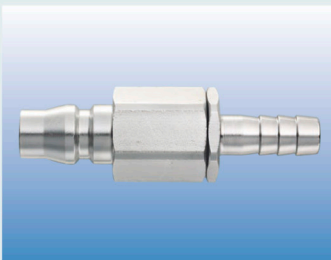
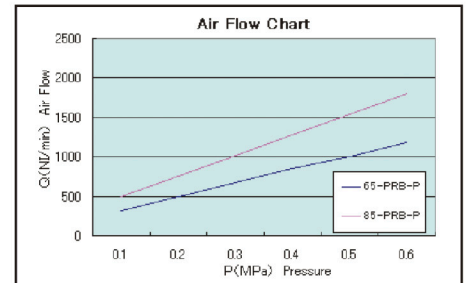
| Model | Hose Size | A | ∠ D | φ F | H1 | H2 | Weight(g) |
|----------|-----------|----|-----|-----|----|----|-----------|
| G50-SOL | 5.0×8.0 | 69 | 30 | 4 | 19 | 14 | 108 |
| G65-SOL | 6.5×10.0 | 71 | 30 | 5.7 | 19 | 16 | 112 |
| G70-SOL | 7.0×10.5 | 71 | 30 | 5.7 | 19 | 16 | 112 |
| G80-SOL | 8.0×12.0 | 74 | 30 | 6.5 | 19 | 19 | 126 |
| G85-SOL | 8.5×12.5 | 74 | 30 | 6.5 | 19 | 19 | 126 |
| G110-SOL | 11.0×16.0 | 83 | 30 | 9.5 | 21 | 23 | 168 |



Purge Plug with Rotary Function

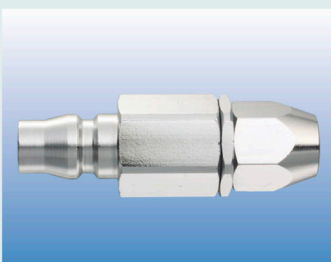
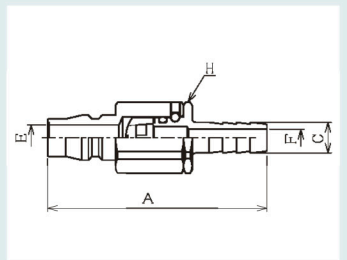
The Purge plug series is a universal, pneumatic coupling suitable for a variety of applications. The purge Safety function minimizes the risk of sudden component separation, reduce noise, and prevent hose whip accidents.

| | |
|--------------------------|--------------|
| Body Material | Steel |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | - 20℃ ~ +8(℃ |



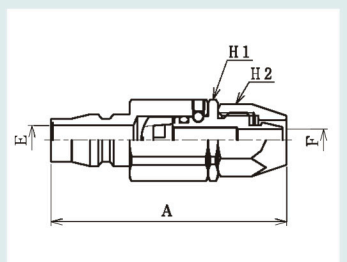
Barb (Hose) connection Purge Plug with Rotary Function

| Model | Hose ID | A | ∠ C | ∠ E | ∠ F | H | Weight(g) |
|----------|---------|----|------|-----|-----|----|-----------|
| 22-DPH-P | 1/4 | 65 | 9 | 7.5 | 5 | 19 | 58 |
| 23-DPH-P | 3/8 | 65 | 11.3 | 7.5 | 7.5 | 19 | 58 |
| 24-DPH-P | 1/2 | 68 | 15 | 7.5 | 9 | 19 | 68 |

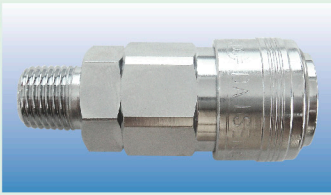


Nut Connection (For Polyurethane Hose) Purge Plug with Rotary Function

| Model | Hose Size | A | ∠ E | φ F | F 1 | H2 | Weight(g) |
|-----------|-----------|------|-----|-----|-----|----|-----------|
| 50-PRB-P | 5.0×8.0 | 58 | 7.5 | 4 | 19 | 14 | 64 |
| 65-PRB-P | 6.5×10.0 | 60 | 7.5 | 5.7 | 19 | 16 | 69 |
| 70-PRB-P | 7.0×10.5 | 60 | 7.5 | 5.7 | 19 | 16 | 69 |
| 80-PRB-P | 8.0×12.0 | 63 | 7.5 | 6.5 | 19 | 19 | 83 |
| 85-PRB-P | 8.5×12.5 | 63 | 7.5 | 6.5 | 19 | 19 | 83 |
| 110-PRB-P | 11.0×16.0 | 72.5 | 7.5 | 9.5 | 23 | 23 | 123 |

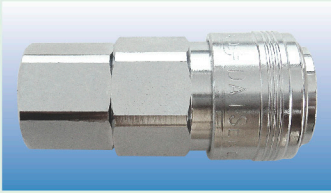
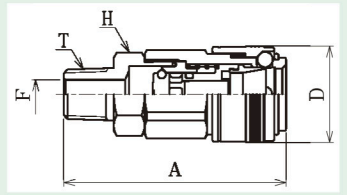


One touch Socket



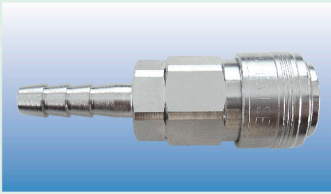
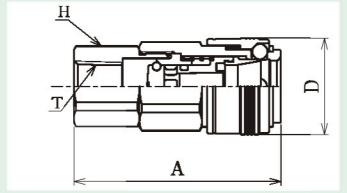
Male thread Socket

| Model | Thread | A | ∅ D | ∅ F | H | Weight(g) |
|--------|--------|----|-----|-----|----|-----------|
| 22-SOM | R1/4 | 58 | 25 | 7.5 | 19 | 81 |
| 23-SOM | R3/8 | 59 | 25 | 8 | 19 | 91 |
| 24-SOM | R1/2 | 59 | 25 | 13 | 21 | 96 |



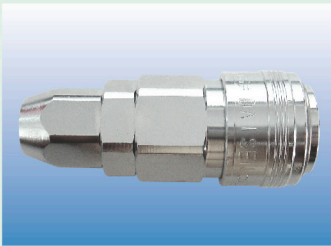
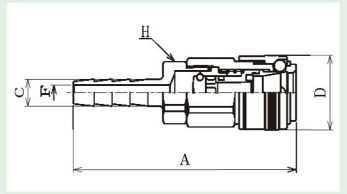
Female Thread Socket

| Model | Thread | A | ∅ D | H | Weight(g) |
|--------|--------|----|-----|----|-----------|
| 22-SOF | Rc1/4 | 54 | 25 | 19 | 86 |
| 23-SOF | Rc3/8 | 58 | 25 | 21 | 98 |
| 24-SOF | Rc1/2 | 59 | 25 | 26 | 117 |



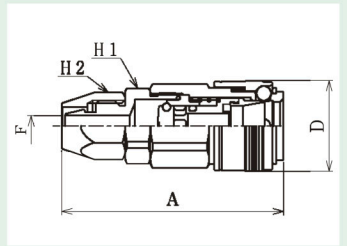
Barb (hose) connection

| Model | Hose ID | A | ∅ C | ∅ D | ∅ F | H | Weight(g) |
|--------|---------|----|------|-----|-----|----|-----------|
| 22-SOH | 1/4 | 75 | 9 | 25 | 5 | 19 | 83 |
| 23-SOH | 3/8 | 79 | 11.3 | 25 | 7.5 | 21 | 87 |
| 24-SOH | 1/2 | 79 | 15 | 25 | 9 | 26 | 99 |



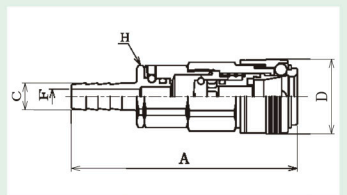
Nut Connection (For polyurethane Hose)

| Model | Hose Size | A | ∅ D | ∅ F | H1 | H2 | Weight(g) |
|---------|-----------|----|-----|-----|----|----|-----------|
| 50-SOC | 5.0×8.0 | 29 | 25 | 4 | 19 | 14 | 86 |
| 65-SOC | 6.5×10.0 | 61 | 25 | 5.7 | 19 | 16 | 90 |
| 70-SOC | 7.0×10.5 | 61 | 25 | 5.7 | 19 | 19 | 90 |
| 80-SOC | 8.0×12.0 | 64 | 25 | 6.5 | 19 | 19 | 104 |
| 85-SOC | 8.5×12.5 | 64 | 25 | 6.5 | 19 | 19 | 104 |
| 110-SOC | 11.0×16.0 | 69 | 25 | 9.5 | 21 | 23 | 135 |



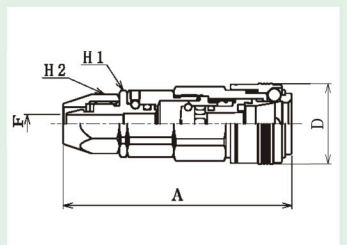
Barb (hose) connection with Rotary function

| Model | Hose ID | A | ∅ C | ∅ D | ∅ F | H | Weight(g) |
|---------|---------|----|------|-----|-----|----|-----------|
| 22-SOHR | 1/4 | 76 | 9 | 25 | 5 | 19 | 98 |
| 23-SOHR | 3/8 | 76 | 11.3 | 25 | 7.5 | 19 | 98 |
| 24-SOHR | 1/2 | 79 | 15 | 25 | 9 | 19 | 109 |



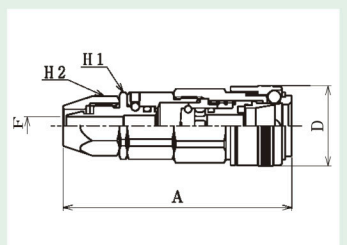
Nut Connection (For polyurethane Hose) with Rotary function

| Model | Hose Size | A | ∅ D | ∅ F | H1 | H2 | Weight(g) |
|---------|-----------|----|-----|-----|----|----|-----------|
| 50-SOR | 5.0×8.0 | 69 | 25 | 4 | 19 | 14 | 104 |
| 65-SOR | 6.5×10.0 | 71 | 25 | 5.7 | 19 | 16 | 108 |
| 70-SOR | 7.0×10.5 | 71 | 25 | 5.7 | 19 | 16 | 108 |
| 80-SOR | 8.0×12.0 | 74 | 25 | 6.5 | 19 | 19 | 122 |
| 85-SOR | 8.5×12.5 | 74 | 25 | 6.5 | 19 | 19 | 122 |
| 110-SOR | 11.0×16.0 | 83 | 25 | 9.5 | 21 | 23 | 164 |



Nut Connection (For polyurethane Hose) with Rotary function & Sleeve Lock

| Model | Hose Size | A | ∅ D | ∅ F | H1 | H2 | Weight(g) |
|---------|-----------|----|-----|-----|----|----|-----------|
| 50-SOL | 5.0×8.0 | 69 | 25 | 4 | 19 | 14 | 104 |
| 65-SOL | 6.5×10.0 | 71 | 25 | 5.7 | 19 | 16 | 108 |
| 70-SOL | 7.0×10.5 | 71 | 25 | 5.7 | 19 | 16 | 108 |
| 80-SOL | 8.0×12.0 | 74 | 25 | 6.5 | 19 | 19 | 122 |
| 85-SOL | 8.5×12.5 | 74 | 25 | 6.5 | 19 | 19 | 122 |
| 110-SOL | 11.0×16.0 | 83 | 25 | 9.5 | 21 | 23 | 164 |



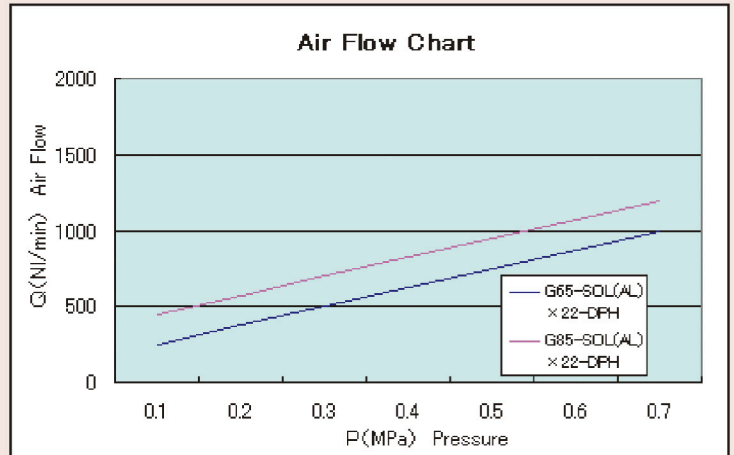
Light Weight Aluminum Coupling Socket

Lightweight Aluminum Coupling

The aluminum made body made the socket weight so light.

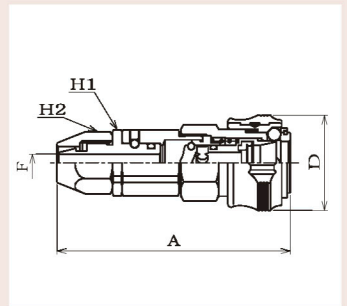
It makes the operator to handle the air tools easy. The rotary Function provide you no hose kinking.

| | |
|--------------------------|-----------------|
| Body Material | Aluminum |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | - 20°C ~ +8(°C |



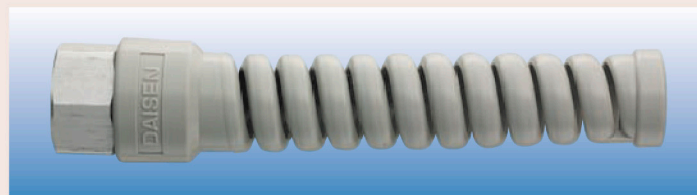
Nut Connection (For polyurethane Hose) with Rotary function

| Model | Hose Size | A | ∠ D | φ F | F 1 | F 2 | Weight(g) |
|--------------|------------|----|-----|-----|-----|-----|-----------|
| G50-SOR(AL) | 5.0×8.0 | 71 | 30 | 4 | 19 | 14 | 58 |
| G65-SOR(AL) | 6.5×10.0 | 73 | 30 | 5.7 | 19 | 16 | 62 |
| G70-SOR(AL) | 7.0×10.5 | 73 | 30 | 5.7 | 19 | 16 | 64 |
| G80-SOR(AL) | 8.0×12.0 | 76 | 30 | 6.5 | 19 | 19 | 66 |
| G85-SC R A) | 8.5 > 12.5 | 76 | 30 | 6.5 | 19 | 19 | 66 |

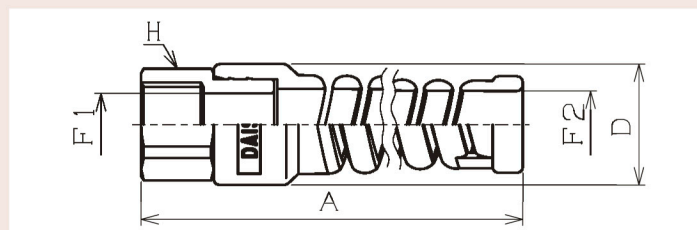


Hose Protector

Hose Protector



Use this protector with our Nut Connection type coupling. It protects hose from the damage.



Hose Protector

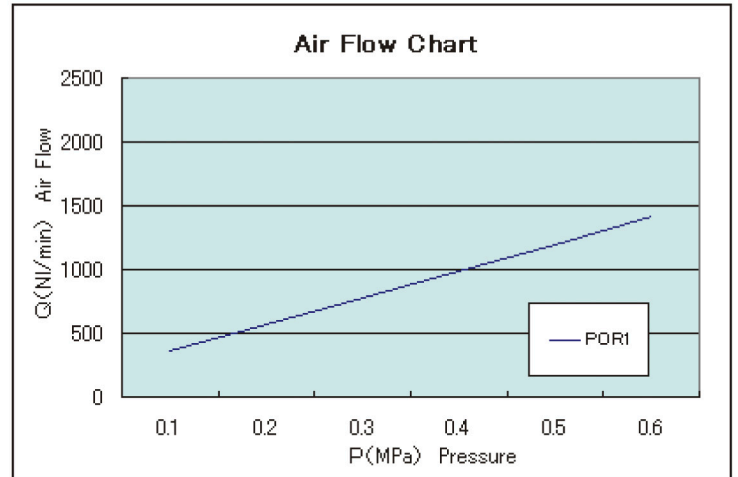
| Model | Hose Size | A | ∠ D | ∠ F 1 | ∠ F 2 | H | Weight(g) |
|----------------------|-----------|-----|-----|-------|-------|----|-----------|
| 50HoseProtector A) | 5.∠ > 8.0 | 100 | 20 | 8 | 11.1 | 17 | 18 |
| 65HoseProtector (AL) | 6.5×10.0 | 102 | 20 | 10.3 | 11.1 | 17 | 16 |
| 70HoseProtector (AL) | 7.0×10.5 | 102 | 20 | 10.8 | 11.1 | 16 | 16 |
| 80HoseProtector (AL) | 8.0×12.0 | 105 | 22 | 12.5 | 13.3 | 19 | 18 |
| 85HoseProtector (AL) | 8.5×12.5 | 105 | 22 | 12.8 | 13.3 | 19 | 18 |

Manifold Type One Touch Coupling

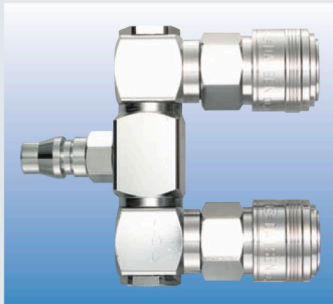
Manifold Type Coupling

It is easy to branch air line. 3 types are available. Rotary block type 2-outlet, fixed type 2-outlet and 3-outlet are prepared depending on your requirements.

| | |
|--------------------------|---------------|
| Body Material | Steel |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +80°C |

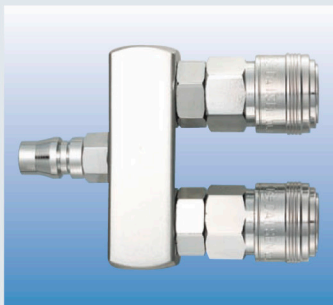
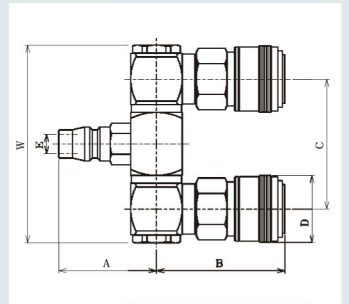


Manifold Coupling



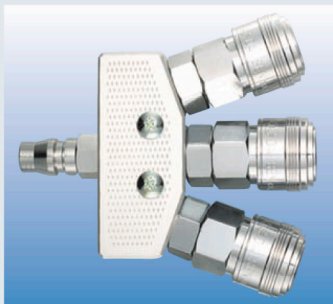
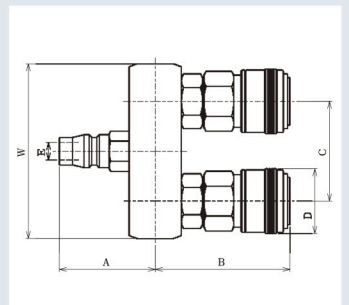
One Touch Pair Rotary Type

| Model | A | B | C | ∅ D | ∅ E | W | Weight(g) |
|-------|----|----|------|-----|-----|----|-----------|
| POR1 | 28 | 50 | 50.5 | 25 | 7.5 | 71 | 377 |



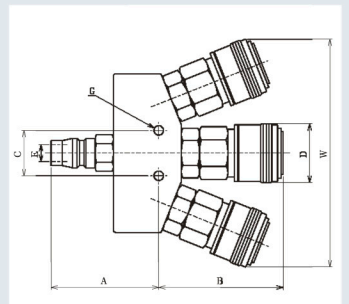
One Touch Pair Type

| Model | A | B | C | ∅ D | ∅ E | W | Weight(g) |
|-------|----|----|----|-----|-----|----|-----------|
| PO1 | 28 | 53 | 40 | 25 | 7.5 | 70 | 269 |



One Touch Triple Outlet Type

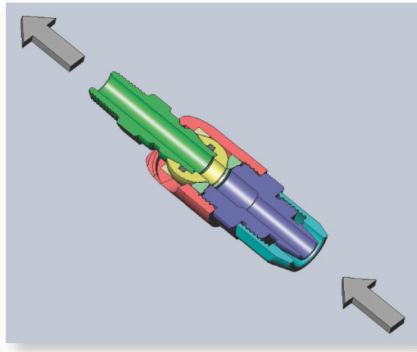
| Model | A | B | C | ∅ D | E | ∅ G | W | Weight(g) |
|-------|------|----|----|-----|-----|-----|-----|-----------|
| TO1 | 47.7 | 55 | 20 | 25 | 7.5 | 4.4 | 100 | 385 |



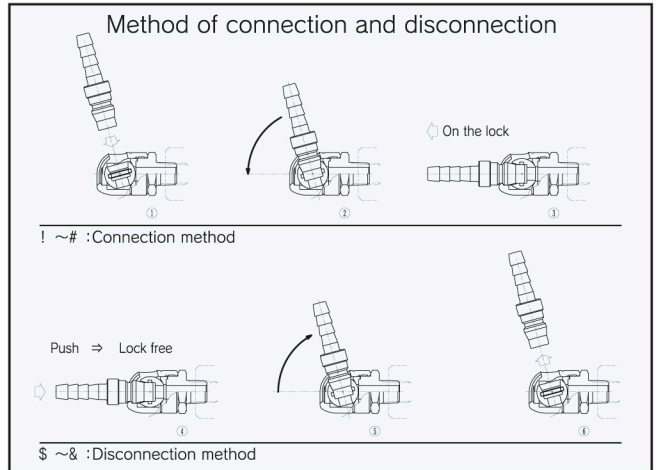
“Dai-Flow” Full Flow Air Coupling

Dai-Flow Coupling

“ ” coupling solves the common problems with current air coupling and addresses the major issues of efficiency and safety. Tested in Australian, American and Japanese industry for the past 3 years we are pleased to identify the below benefits.



| | |
|--------------------------|---------------------------------------|
| Body Material | Steel (Aluminum - only Aluminum type) |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -5°C ~ +60°C |

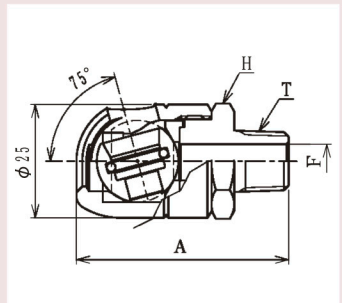


- Full-bore flow when coupling connected - NO valve to interrupt flow
- Safety lock connection. No accidental disconnection
- Purge function to discharge downstream hose - No hose lash
- Tough and durable to withstand the rigors of typical industrial use
- Slim and lightweight. Overall diameter at widest point
- Mechanically simple design - total 4 components



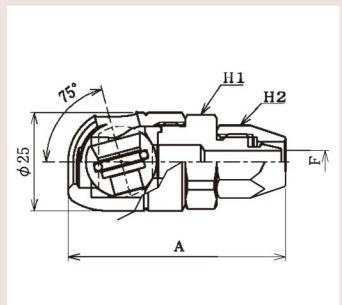
Male thread Socket

| Model | Thread | A | φ F | H | Weight(g) |
|------------|--------|----|-----|----|-----------|
| DF02M (AL) | R1/4 | 51 | 7.5 | 22 | 44 |
| DF03M (AL) | R3/8 | 52 | 8 | 22 | 47 |
| DF04M (AL) | R1/2 | 54 | 13 | 22 | 51 |
| DF02M | R1/4 | 51 | 7.5 | 22 | 94 |
| DF03M | R3/8 | 63 | 8 | 22 | 102 |
| DF04M | R1/2 | 64 | 13 | 22 | 118 |



Nut Connection (For polyurethane Hose) Socket

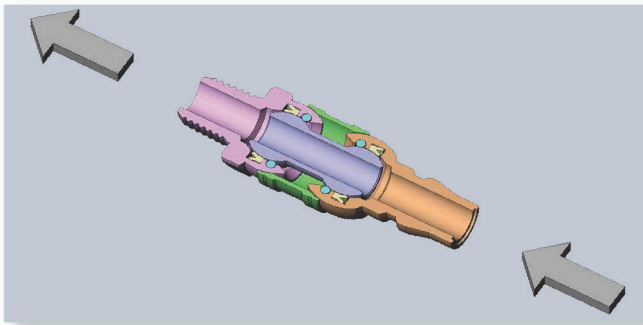
| Model | Hose Size | A | φ F | H1 | F 2 | Weight(g) |
|-----------|-----------|------|-----|----|-----|-----------|
| DF65 (AL) | 6.5×10.0 | 55 | 5.7 | 22 | 16 | 50 |
| DF80 (AL) | 8.0×12.0 | 58 | 6.5 | 22 | 19 | 54 |
| DF85 (AL) | 8.5×12.5 | 58 | 6.5 | 22 | 19 | 54 |
| DF65 | 6.5×10.0 | 76 | 5.7 | 19 | 16 | 120 |
| DF80 | 8.0×12.0 | 78.5 | 6.5 | 19 | 19 | 134 |
| DF85 | 8.5×12.5 | 78.5 | 6.5 | 19 | 19 | 134 |



Free Angle Series Fitting

Free Motion Series

PAT. U.S.A. Canada, EU and China



This unique fitting design was developed primarily for air tools in assembly line applications. Operators of these tools run an increased risk of cumulative trauma disorders (CTD's) due to repetitive motion, vibration and pressure from the weight of the tool and supply hose.

- 360 deg. circular rotation and 45 deg. angled rotation.
- Helps alleviate carpal tunnel syndrome and back stress resulting in fewer lost-time injuries.
- Lightweight, streamlined design protects against finished surface mutilation.
- Two rotation points prevent kinking of the supply line.
- Nickel-plated steel construction for long service life.
- Steel dust cover protects rotating joint.
- Thread sealant is supplied on all male fittings.

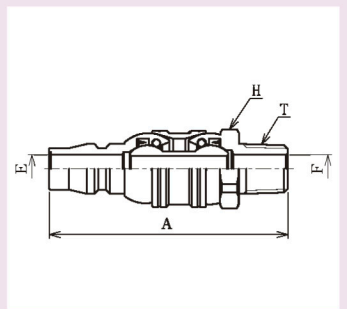
| | |
|--------------------------|-------------------|
| Body Material | Steel / Aluminum |
| Max. Pressure | 1.5 MPa / 1.0 MPa |
| Burst Pressure | 2.0 MPa / 1.5 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +60°C |

Free Angle Plug type



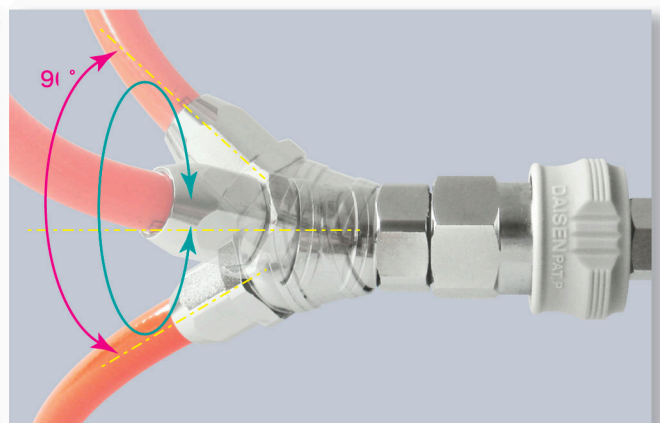
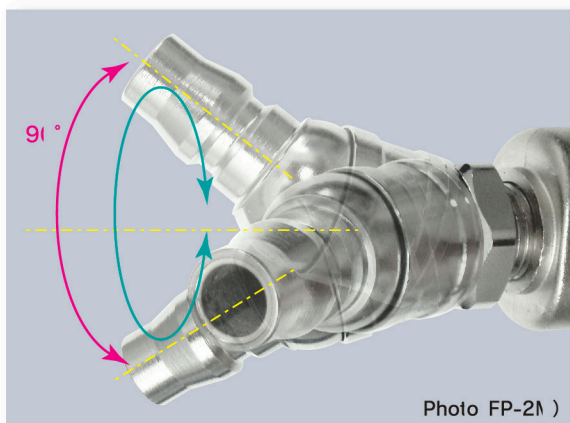
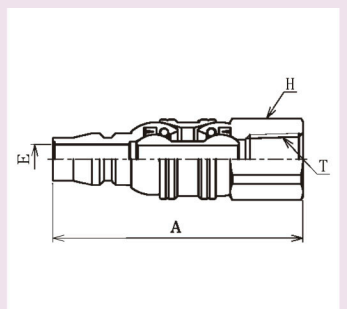
Male Thread Plug

| Model | Thread | A | ∠ E | ∠ F | H | Weight(g) |
|-------|--------|----|-----|-----|----|-----------|
| FP-2M | R1/4 | 63 | 7.5 | 7.5 | 19 | 59 |
| FP-3M | R3/8 | 64 | 7.5 | 8 | 19 | 63 |



Female Thread Plug

| Model | Thread | A | ∠ E | H | Weight(g) |
|--------|--------|----|-----|----|-----------|
| FP-2F | Rc1/4 | 64 | 7.5 | 19 | 71 |
| FP-2FF | G1/4 | 64 | 7.5 | 19 | 65 |
| FP-3F | Rc3/8 | 64 | 7.5 | 21 | 72 |

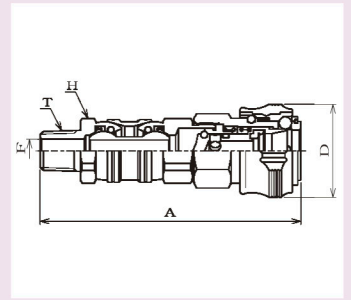


Plug Type Free Angle Socket Series



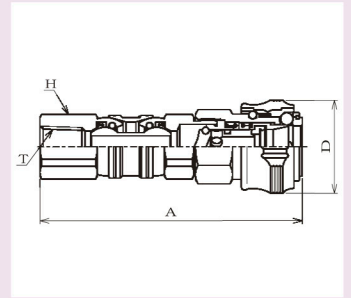
Free Angle Male Tread Socket

| Model | Thread | A | D | F | H | Weight(g) |
|-----------|--------|----|----|-----|----|-----------|
| FGL22-SOM | R1/4 | 84 | 30 | 7.5 | 19 | 138 |
| FGL23-SOM | R3/8 | 85 | 30 | 8 | 19 | 142 |



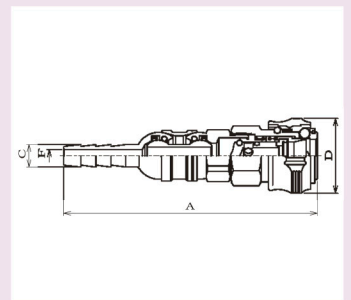
Free Angle Female Thread Socket

| Model | Thread | A | ∠ D | H | Weight(g) |
|-----------|--------|----|-----|----|-----------|
| FGL22-SOF | Rc1/4 | 83 | 30 | 19 | 149 |
| FGL23-SOF | Rc3/8 | 83 | 30 | 21 | 150 |



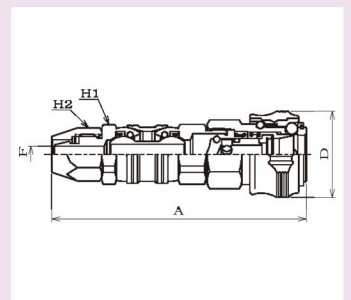
Free Angle Barb (hose) connection

| Model | Hose ID | A | ∠ C | ∠ D | φ F | Weight(g) |
|-----------|---------|-----|------|-----|-----|-----------|
| FGL22-SOH | 1/4 | 97 | 9 | 30 | 5 | 136 |
| FGL23-SOH | 3/8 | 101 | 11.3 | 30 | 7.5 | 140 |



Free Angle Nut Connection (For polyurethane Hose)

| Model | Hose Size | A | ∠ D | φ F | H1 | H2 | Weight(g) |
|-----------|-----------|----|-----|-----|----|----|-----------|
| FGL65-SOC | 6.5×10.0 | 89 | 30 | 5.7 | 19 | 16 | 149 |
| FGL80-SOC | 8.0×12.0 | 92 | 30 | 6.5 | 19 | 19 | 163 |

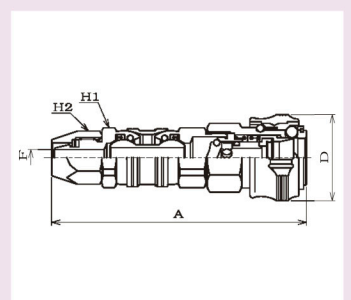


Free Angle (Aluminum Body) Socket

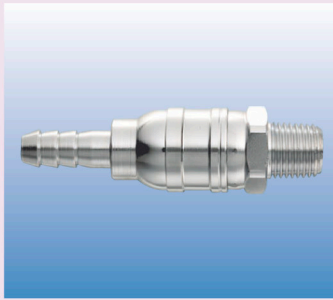


Free Angle Nut Connection (For polyurethane Hose)

| Model | Hose Size | A | ∠ D | φ F | H1 | H2 | Weight(g) |
|---------------|-----------|----|-----|-----|----|----|-----------|
| FGL65-SOC(AL) | 6.5×10.0 | 89 | 30 | 5.7 | 19 | 16 | 84 |
| FGL85-SOC(AL) | 8.0×12.0 | 92 | 30 | 6.5 | 19 | 19 | 88 |

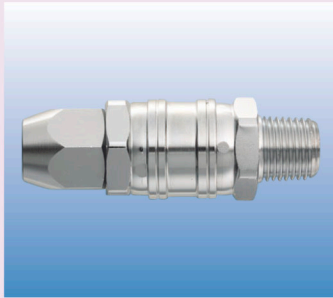
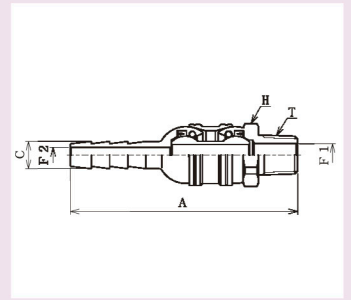


Free Angle Fitting



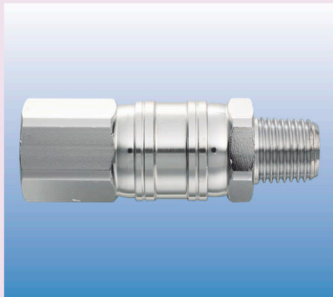
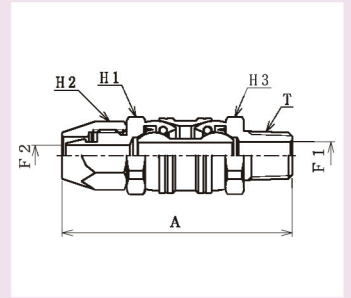
Barb + Male Thread Connection

| Model | Thread | A | φ C | φ F1 | φ F2 | H | Hose | Weight(g) |
|---------|--------|----|-----|------|------|----|------|-----------|
| FJ-2M2H | R1/4 | 70 | 9 | 7.5 | 5 | 19 | 1/4 | 61 |
| FJ-3M3H | R3/8 | 75 | 13 | 8 | 7.5 | 19 | 3/8 | 69 |



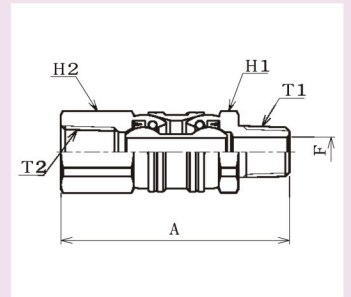
Nut + Male Thread Connection

| Model | Thread | A | φ F | φ F2 | H1 | H2 | F 3 | Hose | Weight(g) |
|---------|--------|----|-----|------|----|----|-----|----------|-----------|
| FJ65-2M | R1/4 | 62 | 7.5 | 5.7 | 19 | 16 | 19 | 6.5×10.0 | 73 |
| FJ80-3M | R3/8 | 66 | 8 | 6.5 | 19 | 19 | 19 | 8.0×12.0 | 92 |



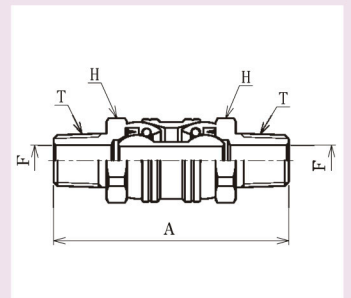
Male thread + Female Thread

| Model | Thread(T1) | Thread(T2) | A | φ F | F 1 | F 2 | Weight(g) |
|---------|------------|------------|----|-----|-----|-----|-----------|
| FJ-2M2F | R1/4 | Rc1/4 | 58 | 7.5 | 19 | 16 | 74 |
| FJ-3M3F | R3/8 | Rc3/8 | 59 | 8 | 19 | 19 | 79 |

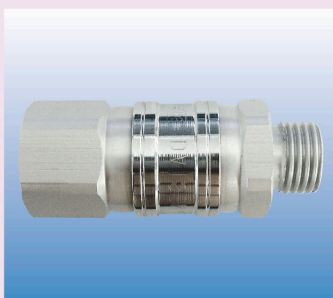


Male Thread + Male thread

| Model | Thread | A | φ F | H | Weight(g) |
|---------|--------|----|-----|----|-----------|
| FJ-2M2M | R1/4 | 58 | 7.5 | 19 | 63 |
| FJ-3M3M | R3/8 | 60 | 8 | 19 | 71 |

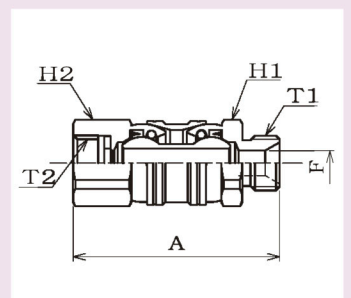


Free Angle Aluminum Fitting



Male Thread + Female Thread (Aluminum Body)

| Model | Thread(T1) | Thread(T2) | A | φ F | F 1 | F 2 | Weight(g) |
|-----------|------------|------------|----|-----|-----|-----|-----------|
| FJA-G2M2F | G1.4 (M) | G1/4 (F) | 50 | 6 | 19 | 19 | 35 |



Free Plug

Free Plug

The Free Plug is cost effective type of Free Angle Series. This fitting design was also developed primarily for air tools in assembly line applications. Operators of these tools run an increased risk of cumulative trauma disorders (CTD's) due to repetitive motion, vibration and pressure from the weight of the tool and supply hose.

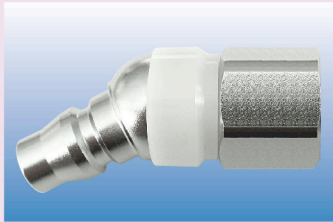
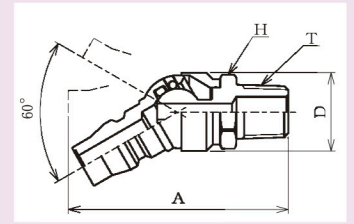
| | |
|--------------------------|---------------|
| Body Material | Steel |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +80°C |

For General Air tools (6mm I.D. shaft)



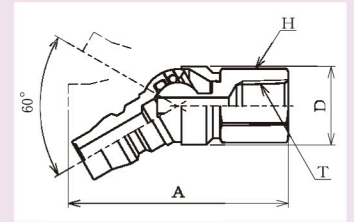
Male Thread Free Plug

| Model | Thread | A | D | H | Weight(g) |
|------------|--------|----|------|----|-----------|
| FP6-2M(30) | R1/4 | 54 | 19.5 | 19 | 50 |
| FP6-3M(30) | R3/8 | 55 | 19.5 | 19 | 56 |



Female Thread Free Plug

| Model | Thread | A | D | H | Weight(g) |
|---------|--------|----|------|----|-----------|
| FP6-2F | Rc1/4 | 54 | 19.5 | 19 | 53 |
| FP6-2FF | G1/4 | 48 | 19.5 | 19 | 48 |



Air Duster

Gun grip type and coupling built-in type

Gun Grip Type



| | |
|--------------------------|----------------|
| Body Material | Aluminum |
| Burst Pressure | 3.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +81 °C |

| Model | Working pressure(MPa) | Weight(g) |
|--------|-----------------------|-----------|
| DG-10K | 0.9 | 226 |
| DC-30K | 2.5 | 230 |

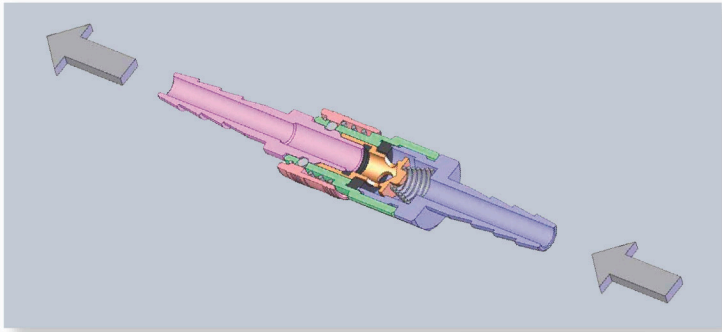
Gun Grip Type



| | |
|--------------------------|----------------|
| Body Material | Aluminum |
| Working Pressure | 1.0 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Rubber Protection | Elastmer |
| Temperature range in use | -20°C ~ +81 °C |

| Type | Model | Hose in use | Weight(g) |
|------------------|----------|-------------|-----------|
| Standard Socket | D50-SRB | 5.0×8.0 | 69 |
| | D65-SRB | 6.5×10.0 | 73 |
| | D70-SRB | 7.0×10.5 | 75 |
| | D80-SRB | 8.0×12.0 | 77 |
| | D85-SRB | 8.5×12.5 | 77 |
| One touch Socket | DG50-SRL | 5.0×8.0 | 86 |
| | DG65-SRL | 6.5×10.0 | 90 |
| | DG70-SRL | 7.0×10.5 | 92 |
| | DG80-SRL | 8.0×12.0 | 94 |
| | DG85-SRL | 8.5×12.5 | 94 |

Mini-S Series Coupling

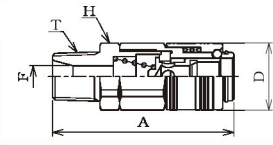
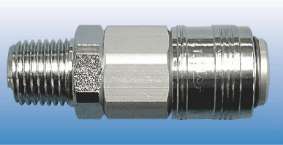


Mini S series design was developed for Paint Spray Gun and Air Blow Gun. Compact and light weight Body

| | |
|--------------------------|-----------------|
| Body Material | Steel, Aluminum |
| Max. Pressure | 1.5 MPa |
| Burst Pressure | 2.0 MPa |
| Sealing material | NBR |
| Temperature range in use | -20°C ~ +60°C |

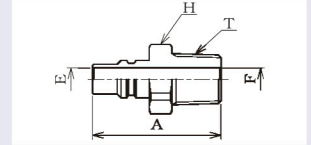
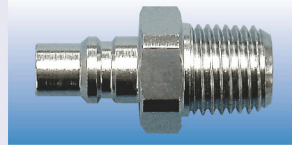
⚠ Please do not wash this coupling with thinner.

Male Thread Socket



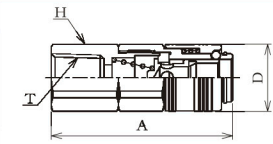
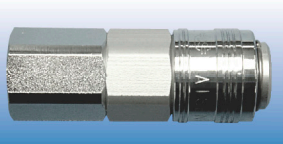
| Model | Thread(T) | A | ∠ D | φ F | H | Weight(g) |
|--------|-----------|------|------|-----|----|-----------|
| SA-2MS | R1/4 | 49.5 | 18.7 | 6 | 17 | 29 |
| S-2MS | R1/4 | 49.5 | 18.7 | 6 | 17 | 52 |

Male Thread Plug



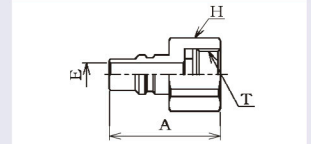
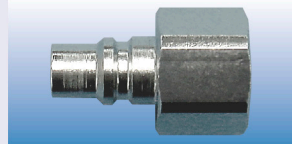
| Model | Thread(T) | A | ∠ E | F | H | Weight(g) |
|-------|-----------|----|-----|---|----|-----------|
| S-2MP | R1/4 | 34 | 6 | 6 | 17 | 22 |

Female Thread



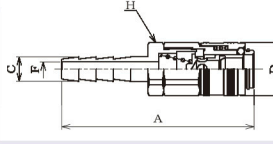
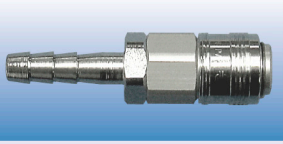
| Model | Thread(T) | A | ∠ D | H | Weight(g) |
|--------|-----------|------|------|----|-----------|
| SA-2FS | Rc1/4 | 49.5 | 18.7 | 17 | 46 |
| S-2FS | Rc1/4 | 49.5 | 18.7 | 17 | 54 |

Female Thread



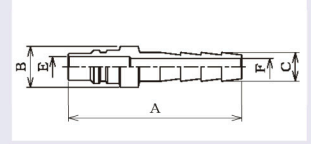
| Model | Thread(T) | A | ∠ E | H | Weight(g) |
|--------|-----------|----|-----|----|-----------|
| S-G2FP | G1/4 | 28 | 6 | 17 | 18 |

Barb Connection Socket



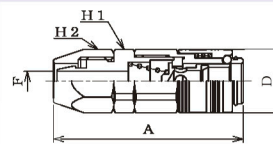
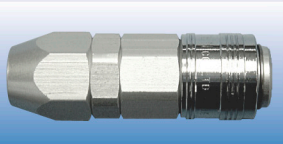
| Model | Hose | A | C | φ D | φ F | H | Weight(g) |
|--------|------|------|-----|------|-----|----|-----------|
| SA-2HS | 1/4 | 66.5 | 8.5 | 18.7 | 5 | 17 | 40 |
| S-2HS | 1/4 | 66.5 | 8.5 | 18.7 | 5 | 17 | 52 |

Barb Connection Plug



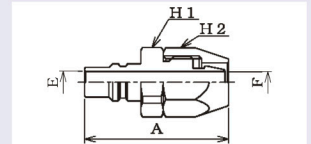
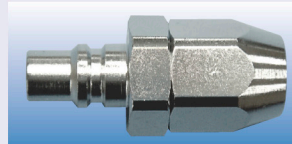
| Model | Hose | A | B | φ C | φ E | φ F | Weight(g) |
|-------|------|----|----|-----|-----|-----|-----------|
| S-2HP | 1/4 | 51 | 12 | 8.5 | 6 | 5 | 14 |

Nut Connection Socket



| Model | Hose | A | φ D | φ F | H1 | H2 | Weight(g) |
|---------|----------|------|------|-----|----|----|-----------|
| SA-65CS | 6.5×10.0 | 54.5 | 18.7 | 5.7 | 17 | 16 | 34 |
| S-65CS | 6.5×10.0 | 54.5 | 18.7 | 5.7 | 17 | 16 | 34 |

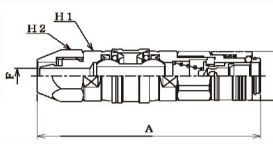
Nut Connection Plug



| Model | Hose | A | φ E | φ F | H1 | H2 | Weight(g) |
|--------|------------|------|-----|-----|----|----|-----------|
| S-65CP | 6.5 > 10.0 | 38.5 | 5.7 | 5.7 | 17 | 16 | 32 |

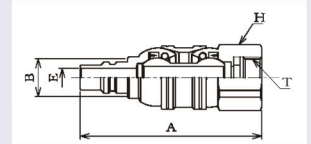
Free Angle Type

Nut Socket



| Model | Hose | A | φ D | φ F | H1 | H2 | Weight(g) |
|----------|------------|------|------|-----|----|----|-----------|
| FSA-65CS | 6.5 > 10.0 | 84.5 | 18.7 | 5.7 | 17 | 17 | 60 |

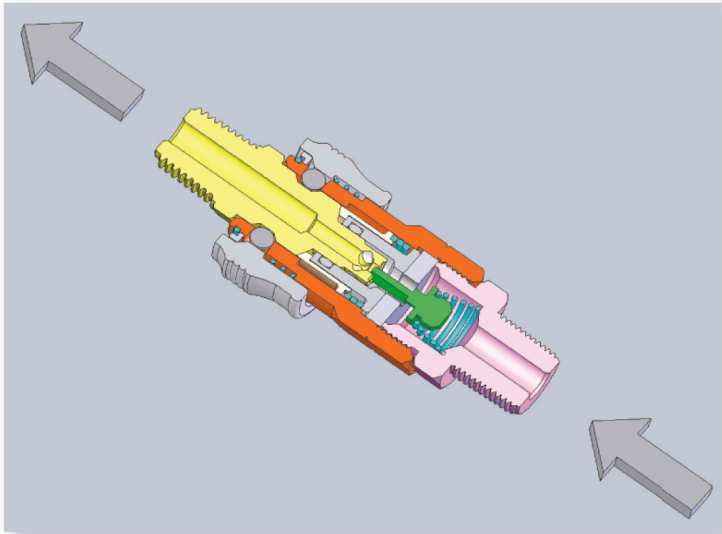
Female Plug



| Model | Thread(T) | A | ∠ E | H | Weight(g) |
|----------|-----------|----|-----|----|-----------|
| FJA-G2FP | G1/4 | 59 | 6 | 19 | 45 |

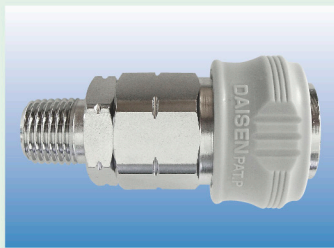
High Pressure Air Coupling

Use with Air tools with 3.0MPa air pressure



This coupling was designed for the high pressure air tools such as the nailer with 3.0MPa air compressors. It is getting more standard tools in the building industry. We have been supplying this kind coupling for major tool manufactures as OEM base. Now, we offer this series as standard products range.

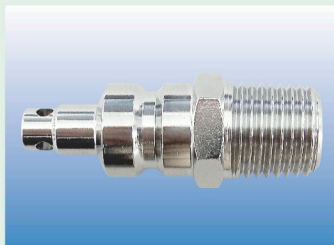
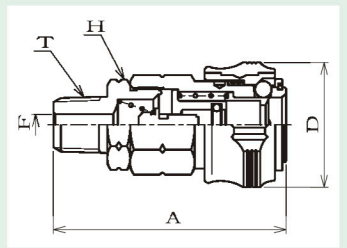
| | |
|--------------------------|--------------------------|
| Body Material | Steel with chrome plated |
| Max. Pressure | 3.0MPa |
| Burst Pressure | 4.0MPa |
| Sealing material | NBR |
| Temperature range in use | - 21 °C ~ + 81 °C |



Male Thread Socket

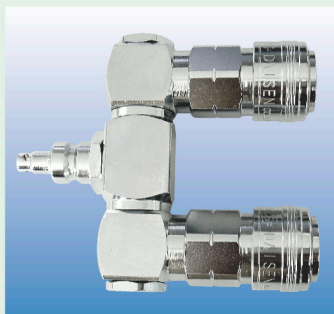
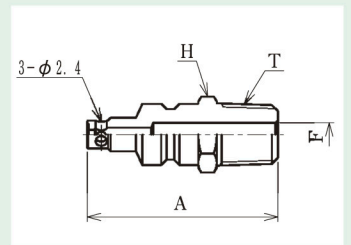
| Model | Thread(T) | A | ϕ D | ϕ F | H | Weight(g) |
|----------|-----------|----|-----|-----|----|-----------|
| 30K-SOM | R1/4(LH) | 56 | 26 | 5 | 19 | 99 |
| G30K-SOM | R1/4(LH) | 56 | 30 | 5 | 19 | 102 |

The picture is showing the socket with Rubber protector. It has "G" suffix on the top of modeling.



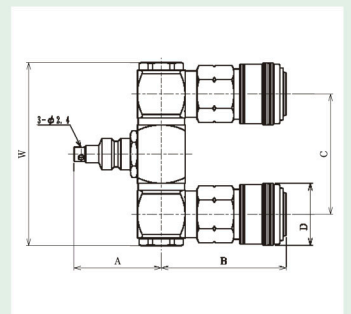
Female Thread

| Model | Thread(T) | A | D | ϕ F | H | Weight(g) |
|--------|-----------|------|---|-----|----|-----------|
| 30K-PM | R1/4(LH) | 40.7 | 2 | 5 | 14 | 30 |



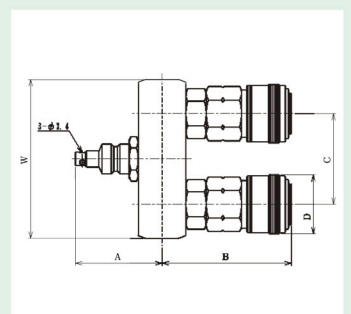
Pair Rotary Type

| Model | A | B | C | ϕ D | W | Weight(g) |
|-------|------|----|------|-----|----|-----------|
| HPOR1 | 37.5 | 52 | 50.5 | 26 | 77 | 400 |



Pair Type

| Model | A | B | C | ϕ D | W | Weight(g) |
|-------|----|----|------|-----|----|-----------|
| HPO1 | 38 | 57 | 40.5 | 26 | 70 | 295 |





Factory and head Office

320, Nitta-Koganei-Machi, Ohta-City, 370-0303 JAPAN

URL: <http://www.daisen-coupling.jp> (international)

URL: [Http://www.ds-daisen.co.jp](http://www.ds-daisen.co.jp) (Japanese only)

e-mail : sales@daisen-coupling.jp

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