

FLAT FACE COUPLER

MALE AND FEMALE



Thread

3/8"
 3/4"
 1/2"

BALL TYPE COUPLER

MALE AND FEMALE



Thread

1/4"
 3/8"
 1/2"
 3/4"
 1"

PIN TYPE COUPLER

MALE AND FEMALE



Thread

1/4"
 3/8"
 1/2"
 3/4"
 1"

**BSP NIPPLES
 STEEL**



Thread

1/4 x 1/8" 1" x 1.1/4"
 3/8 x 1/4" 1.1/4 x 1"
 1/2 x 1/4" 1.1/2 x 1.1/4"
 1/2 x 3/8"
 5/8 x 1/2"
 3/4 x 1/2"
 3/4 x 5/8"
 3/4 x 1"
 1" x 1/2"

NPT JIC ADAPTORS



Thread



1/8 x 7/16" 3/8 x 7/8" 3/4 x 1.5/16"
 1/8 x 1/2" 3/8 x 1.1/16" 1 x 1.1/16"
 1/8 x 9/16" 1/2 x 9/16" 1 x 1.5/16"
 1/4 x 7/16" 1/2 x 3/4" 1 x 1.5/8"
 1/4 x 1/2" 1/2 x 7/8" 1.1/4 x 1.5/8"
 1/4 x 9/16" 1/2 x 1.1/16" 1.1/4 x 1.7/8"
 1/4 x 3/4" 3/4 x 3/4" 1.1/2 x 1.7/8"
 3/8 x 9/16" 3/4 x 7/8" 1.1/2 x 1.5/8"
 3/8 x 3/4" 3/4 x 1.1/16" 2" x 2.1/2"

NPT JIC 90° ADAPTORS







Thread

1/8 x 7/16" 1/2 x 3/4"
 1/8 x 1/2" 1/2 x 7/8"
 1/4 x 7/16" 1/2 x 1.1/16"
 1/4 x 1/2" 3/4 x 1/2"
 1/4 x 9/16" 3/4 x 1.1/16"
 1/4 x 3/4" 3/4 x 1.5/16"
 3/8 x 9/16" 1" x 1.1/16"
 3/8 x 3/4" 1" x 1.5/16"
 1/2 x 9/16"



| JIC ADAPTOR | | SWIVEL ADAPTOR | |
|---|---------|--|--------|
| | Thread | | Thread |
|  | 7/16" |  | 1/8" |
| | 1/2" | | 1/4" |
| | 9/16" | | 3/8" |
| | 3/4" | | 1/2" |
| | 7/8" | | 3/4" |
| | 1.1/16" | | 1" |
| | 1.5/16" | | |
| | 1.7/8" | | |

| MALE FEMALE SWIVEL ADAPTOR | | SAE JIC ADAPTOR | |
|---|-------------|--|-------------------------------------|
| | Thread | | Thread |
|  | 1/8" |  | 7/16" 7/8" x 7/8" |
| | 1/4" | | 7/16" x 1/2" 1.1/16" x 1.1/16" |
| | 3/8" | | 1/2" x 7/16" 1.5/16" x 1.5/16" |
| | 1/2" | | 1/2" x 1/2" |
| | 3/4" | | 9/16" x 9/16" |
| | 3/4 x 1/2" | | 3/4" x 3/4" |
| | 1" | | 3/4" x 7/8" |
| | | | 3/4" x 1/16" |
| | 7/8" x 3/4" | | |


| NPT REDUCING BUSHES | | NPT NIPPLE | |
|--|------------|---|--------------------------------|
| | Thread | | Thread |
|  | 1/4 x 1/8" |  | 1/8 x 1/8" 3/4 x 3/4" |
| | 3/8 x 1/4" | | 1/4 x 1/8" 3/4 x 1" |
| | 1/2 x 1/4" | | 1/4 x 1/4" 1" x 1" |
| | 1/2 x 3/8" | | 1/4 x 3/8" 1.1/4 x 1.1/4" |
| | 3/4 x 1/4" | | 3/8 x 3/8" 1.1/2 x 1.1/2" |
| | 3/4 x 3/8" | | 1/2 x 1/4" |
| | 3/4 x 1/2" | | 1/2 x 3/8" |
| | 1" x 1/4" | | 1/2 x 1/2" |
| 1" x 1/2" | 3/4 x 1/2" | | |


| NPT ADAPTOR M/F | Thread | FEMALE TEE | Thread |
|---|--------|--|--------|
|  | 1/4" |  | 1/4" |
| | 3/8" | | 3/8" |
| | | | 1/2" |
| | | | 3/4" |
| | | | |




| ADAPTOR FP/F | Thread | ALLEN KEY PLUG | Thread |
|---|--------|--|--------|
|  | 1/8" |  | 1/8" |
| | 1/4" | | 1/4" |
| | 3/8" | | 3/8" |
| | 1/2" | | 1/2" |
| | | | 3/4" |

| JIC SWIVEL TEE | Thread | | ADAPTORS BSP/BSPP | Thread | |
|--|--------|---------|---|------------|----------------|
|  | 9/16" | 7/16" |  | 1/8 x 1/8" | 3/4 x 1" |
| | 1/2" | 9/16" | | 1/4 x 1/8" | 1" x 1" |
| | | 1/2" | | 1/4 x 1/4" | 1.1/4 x 1.1/4" |
| | | 7/8" | | 3/8 x 1/4" | 3/8 x 3/8" |
| | | 1.1/16" | | 1/2 x 3/8" | 1/2 x 1/2" |

| SWIVEL TEE | HYDRAULIC HOSE | |
|---|----------------|------------------------|
| | Thread | One wire Two wire |
|  | 1/4" | 1/4" |
| | 1" | 3/8" |
| | | 1/2" |
| | | 3/4" |
| | | 1" |
| | | |

| COTTON COVERED HYDRAULIC HOSE | BRAIDED STEEL HOSE | |
|---|--------------------|-------------------|
| | High temperature | Internal Diameter |
|  | 1/4" | 1/4" |
| | 5/16" | 3/8" |
| | 3/8" | 1/2" |
| | 1/2" | |
| | 5/8" | |
| | 3/4" | |

| SPIRAL GUARD | HYDRAULIC CYLINDERS | |
|--|---------------------|---------------|
| | Internal Diameter | Made to order |
|  | 9.5 mm | |
| | 13 mm | |
| | 16 mm | |
| | 20 mm | |
| | 27 mm | |
| | 35 mm | |

| PORT ADAPTORS | Thread | GEAR PUMPS | |
|--|--------|---|-------|
|  | 3/8" |  | 4 cc |
| | 1/2" | | 6 cc |
| | 3/4" | | 8 cc |
| | | | 11 cc |
| | | | 12 cc |
| VANE PUMP | | SINGLE VANE PUMPS | |
|  | V10 |  | 20VQ |
| | V20 | | 25VQ |
| | | | |
| | | | |
| | | | |
| GEROLLER MOTORS | | PISTON PUMPS | |
|  | 50 cc |  | 10 cc |
| | 80 cc | | 20cc |
| | 200 cc | | 32cc |
| | 250 cc | | |
| | | | |

HYDRAULIC FLOW CONTROL VALVE



| Thread | NEEDLE VALVE |
|--------|--------------|
| 1/8" | 1/8" |
| 1/4" | 1/4" |
| 3/8" | 3/8" |
| 1/2" | 1/2" |
| 3/4" | |
| 1" | |

SOLENOID VALVES



| Thread |
|--------|
| 110V |
| 24V |
| 220V |
| |
| |
| |

HYDRAULIC INLINE PRESSURE RELIEF VALVE



| Thread |
|--------|
| 1/2" |
| 3/4" |
| 3/8" |
| |
| |
| |

LEVER VALVE



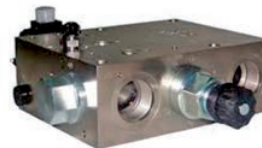
| Thread |
|--------|
| 3/8" |
| 1/2" |
| 3/4" |
| 1" |
| |
| |
| |

GETOP MOUNTED VALVES



| |
|-----------------------|
| SANDWICH CHECK IN P |
| PILOT CHECK IN A&B |
| F/C AND CHECK |
| PRESSURE RELIEF VALVE |
| |
| |
| |

HAMMER VALVE



| |
|-----|
| 110 |
| 310 |
| |
| |
| |
| |

HYDRAULIC STEEL TUBING



| | |
|----------|----------|
| 6 x 1.5 | 20 x 2 |
| 8 x 1.5 | 22 x 2 |
| 10 x 1 | 25 x 2.5 |
| 10 x 1.5 | |
| 10 x 2 | |
| 12 x 1.5 | |
| 15 x 1.5 | |
| 16 x 1.5 | |
| 18 x 1.5 | |

HYDRAULIC OIL



| |
|-----------|
| 5 lt 32 |
| 5 lt 68 |
| 20 lt 32 |
| 20 lt 46 |
| 20 lt 68 |
| 210 lt 32 |
| 210 lt 46 |
| 210 lt 68 |

**METRIC STEEL
COMPRESSION TEE**



| light duty | heavy duty |
|------------|------------|
| 6mm | 6mm |
| 8mm | 8mm |
| 10mm | 10mm |
| 12mm | 12mm |
| 15mm | 14mm |
| 18mm | 16mm |
| 22mm | 20mm |
| 35mm | 25mm |
| | 30mm |

STEEL BULKHEAD



| Thread |
|-----------|
| M12 x 1.5 |
| M14 x 1.5 |
| M16 x 1.5 |
| M18 x 1.5 |
| M22 x 1.5 |
| M26 x 1.5 |
| M30 x 2.0 |

STAND PIPE ADAPTORS



| Thread |
|-----------|
| M12 x 1.5 |
| M14 x 1.5 |
| M16 x 1.5 |
| M18 x 1.5 |
| M22 x 1.5 |
| M26 x 1.5 |
| M30 x 2.0 |

STEEL ADJUSTABLE RUN TEE



| |
|------|
| 6mm |
| 8mm |
| 10mm |
| 12mm |
| 15mm |
| 18mm |

| ADJUSTABLE ELBOW | Thread | MALE STUD ELBOW NPT | |
|------------------|--------|---------------------|--|
|------------------|--------|---------------------|--|



| | |
|------|------|
| 6mm | 25mm |
| 8mm | 28mm |
| 10mm | |
| 12mm | |
| 15mm | |
| 16mm | |
| 18mm | |
| 20mm | |
| 22mm | |



| | |
|--------------|--------------|
| WE6L x 1/8" | WE16S x 1/2" |
| WE6L x 1/4" | WE18L x 1/2" |
| WE8L x 1/8" | WE20S x 3/4" |
| WE10L x 1/4" | WE22L x 3/4" |
| WE10L x 3/8" | WE25S x 1" |
| WE12L x 1/2" | |
| WE12L x 3/8" | |
| WE12S x 3/8" | |
| WE15L x 1/2" | |

| EQUAL ELBOWS | Thread | STRAIGHT COUPLINGS | Thread |
|--------------|--------|--------------------|--------|
|--------------|--------|--------------------|--------|



| | |
|------|------|
| 6mm | 42mm |
| 8mm | |
| 10mm | |
| 12mm | |
| 15mm | |
| 18mm | |
| 22mm | |
| 28mm | |
| 35mm | |



| |
|------|
| 6mm |
| 8mm |
| 10mm |
| 11mm |
| 12mm |
| 15mm |
| 18mm |
| 22mm |

| STRAIGHT MALE STUD COUPLING | Thread | REDUCER | |
|-----------------------------|--------|---------|--|
|-----------------------------|--------|---------|--|



| | |
|------------------|------------------|
| BSPP | NPT |
| 6mm x 1/8" | 3mm x 1/8" |
| TO 42mm x 1 1/2" | TO 42mm x 1 1/2" |
| | |
| | |
| | |



| |
|-----------------------|
| From 8 - 6 to 25 - 16 |
| |
| |
| |

FEMALE STUD COUPLINGS



- 6LR - 1/8"
- 8LR - 1/4"
- 10LR - 1/4"
- 12LR - 3/8"
- 15LR - 1/2"
- 16SR - 1/2"
- 18LR - 1/2"

SPIN ON FILTERS



- FILTER HEAD RETURN / SUCTION 3/4"
- FILTER HEAD RETURN / SUCTION 1.1/4"

SUCTION STRAINERS



| Thread | |
|--------|--------|
| 005 | 1/2" |
| 007 | 3/4" |
| 010 | 1" |
| 015 | 1 1/4" |
| 020 | 1 1/2" |
| 030 | 1 1/2" |
| 050 | 2" |
| 100 | 3" |

SPIN ON ELEMENTS



- 10 MICRON SPIN ON ELEMENT 3/4"
- 25 MICRON SPIN ON ELEMENT 3/4"
- 10 MICRON SPIN ON ELEMENT odd size
- 10 MICRON SPIN ON ELEMENT 1.1/4"
- 25 MICRON SPIN ON ELEMENT 1.1/4"

TANK TOP FILTERS



| Thread |
|--------|
| 1/2" |
| 3/4" |
| 1" |
| 1.1/4" |
| 1.1/2" |

BREATHERS



| Thread |
|--------|
| 1/4" |
| 1/2" |
| 3/4" |