

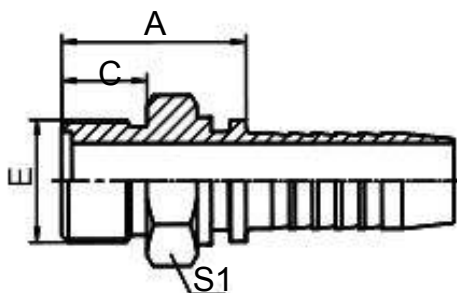
Zhuji Yong Bang Machinery Co., Ltd.

Hose Fitting



Braided

SWAGED HOSE FITTING



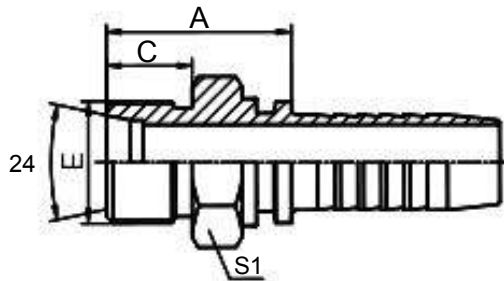
10311

O

O-RING METRIC MALE FLAT SEAL
REF. JB/T 988

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | |
|---|---------------|-----------|------|-------------|------------|----|----|
| | | DN | DASH | | A | C | S1 |
| 10311-12-04 | M12X1.25 | 6 | 04 | | 22.5 | 10 | 14 |
| 10311-14-04 | M14X1.5 | 6 | 04 | | 23.5 | 11 | 14 |
| 10311-16-04 | M16X1.5 | 6 | 04 | | 23.5 | 11 | 17 |
| 10311-16-05 | M16X1.5 | 8 | 05 | | 23.5 | 11 | 17 |
| 10311-16-06 | M16X1.5 | 10 | 06 | | 23.5 | 11 | 17 |
| 10311-18-06 | M18X1.5 | 10 | 06 | | 23.5 | 11 | 19 |
| 10311-22-05 | M22X1.5 | 8 | 5 | | 27 | 12 | 24 |
| 10311-22-06 | M22X1.5 | 10 | 06 | | 26 | 12 | 24 |
| 10311-22-08 | M22X1.5 | 12 | 08 | | 26.5 | 12 | 24 |
| 10311-27-10 | M27X1.5 | 16 | 10 | | 31.5 | 13 | 30 |
| 10311-30-12 | M30X1.5 | 20 | 12 | | 33.5 | 14 | 32 |
| 10311-36-12 | M36X2 | 20 | 12 | | 35.5 | 16 | 38 |
| 10311-36-14 | M36X2 | 22 | 14 | | 35.5 | 16 | 38 |
| 10311-39-16 | M39X2 | 25 | 16 | | 39 | 16 | 41 |
| 10311-45-20 | M45X2 | 32 | 20 | | 44.5 | 20 | 46 |
| 10311-52-24 | M52X2 | 40 | 24 | | 47.5 | 22 | 55 |
| 10311-64-32 | M64X2 | 50 | 32 | | 52.5 | 27 | 65 |
| 1. | | 2. | | 10312-xx-xx | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 10312-xx-xx. | | | | | | | |

HOSE FITTING



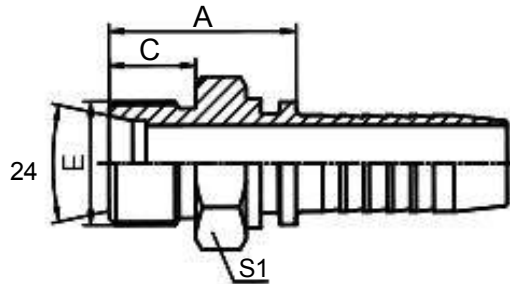
10411

24

METRIC MALE 24?CONE SEAT L.T.DIN 3853

| PART NO. | E | | HOSE BORE | | | DIMENSIONS | | | |
|-------------|---------|---|-----------|------|-----------|------------|----|----|--|
| | THREAD | E | DN | DASH | TUBE O.D. | A | C | S1 | |
| 10411-12-04 | M12X1.5 | | 6 | 04 | 6 | 20.5 | 10 | 12 | |
| 10411-14-04 | M14X1.5 | | 6 | 04 | 8 | 20.5 | 10 | 14 | |
| 10411-14-05 | M14X1.5 | | 8 | 05 | 8 | 21.5 | 10 | 14 | |
| 10411-16-04 | M16X1.5 | | 6 | 04 | 10 | 22.5 | 11 | 17 | |
| 10411-16-05 | M16X1.5 | | 8 | 05 | 10 | 22.5 | 11 | 17 | |
| 10411-16-06 | M16X1.5 | | 10 | 06 | 10 | 22.5 | 11 | 17 | |
| 10411-18-05 | M18X1.5 | | 8 | 05 | 12 | 23.5 | 11 | 19 | |
| 10411-18-06 | M18X1.5 | | 10 | 06 | 12 | 22.5 | 11 | 19 | |
| 10411-22-06 | M22X1.5 | | 10 | 06 | 15 | 24.5 | 12 | 24 | |
| 10411-22-08 | M22X1.5 | | 12 | 08 | 15 | 26 | 12 | 24 | |
| 10411-26-08 | M26X1.5 | | 12 | 08 | 18 | 26.5 | 12 | 27 | |
| 10411-26-10 | M26X1.5 | | 16 | 10 | 18 | 27 | 12 | 27 | |
| 10411-27-10 | M27X1.5 | | 16 | 10 | 18 | 32 | 14 | 30 | |
| 10411-30-10 | M30X2 | | 16 | 10 | 22 | 29 | 14 | 32 | |
| 10411-30-12 | M30X2 | | 20 | 12 | 22 | 29 | 14 | 32 | |
| 10411-36-16 | M36X2 | | 25 | 16 | 28 | 31.5 | 14 | 38 | |
| 10411-45-20 | M45X2 | | 32 | 20 | 35 | 36 | 16 | 46 | |
| 10411-52-24 | M52X2 | | 40 | 24 | 42 | 38 | 16 | 55 | |

HOSE FITTING



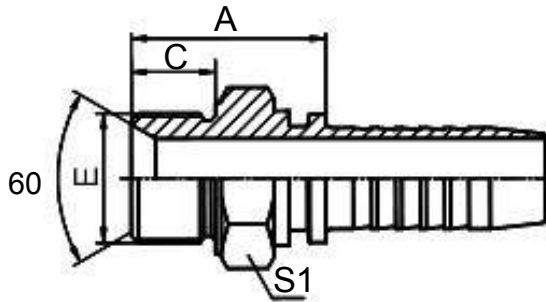
10511

24

METRIC MALE 24° CONE SEAT H.T.DIN3853

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|-------------|---------|---|-----------|------|------------|------|----|----|--|
| | THREAD | E | DN | DASH | TUBE O.D. | A | C | S1 | |
| 10511-14-04 | M14X1.5 | | 6 | 04 | 6 | 24.5 | 12 | 14 | |
| 10511-16-04 | M16X1.5 | | 6 | 04 | 8 | 26.5 | 12 | 17 | |
| 10511-18-04 | M18X1.5 | | 6 | 04 | 10 | 26.5 | 12 | 19 | |
| 10511-20-05 | M20X1.5 | | 8 | 05 | 12 | 27 | 12 | 22 | |
| 10511-20-06 | M20X1.5 | | 10 | 06 | 12 | 26.5 | 12 | 22 | |
| 10511-22-05 | M22X1.5 | | 8 | 05 | 14 | 30.5 | 14 | 24 | |
| 10511-22-06 | M22X1.5 | | 10 | 06 | 14 | 30.5 | 14 | 24 | |
| 10511-22-08 | M22X1.5 | | 12 | 08 | 14 | 31 | 14 | 24 | |
| 10511-24-08 | M24X1.5 | | 12 | 08 | 16 | 31.5 | 14 | 27 | |
| 10511-30-10 | M30X2 | | 16 | 10 | 20 | 34.5 | 16 | 32 | |
| 10511-30-12 | M30X2 | | 20 | 12 | 20 | 36 | 16 | 32 | |
| 10511-36-12 | M36X2 | | 20 | 12 | 25 | 40.5 | 18 | 41 | |
| 10511-36-16 | M36X2 | | 25 | 16 | 25 | 41.5 | 18 | 38 | |
| 10511-42-16 | M42X2 | | 25 | 16 | 30 | 44 | 20 | 46 | |
| 10511-42-20 | M42X2 | | 32 | 20 | 30 | 45 | 20 | 46 | |
| 10511-52-20 | M52X2 | | 32 | 20 | 38 | 50 | 22 | 55 | |

HOSE FITTING

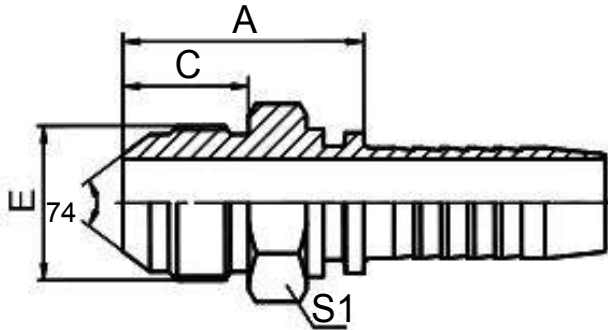


10611

60
METRIC MALE 60CONE SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--------------|---------|---|-----------|------|------------|----|----|
| | THREAD | E | DN | DASH | A | C | S1 |
| 10611-14-04 | M14X1.5 | | 6 | 04 | 23.5 | 11 | 19 |
| 10611-14-06 | M14X1.5 | | 10 | 06 | 25 | 11 | 19 |
| 10611-16-04 | M16X1.5 | | 6 | 04 | 27.5 | 12 | 22 |
| 10611-16-05 | M16X1.5 | | 8 | 05 | 27.5 | 12 | 22 |
| 10611-18-06 | M18X1.5 | | 10 | 06 | 29.5 | 12 | 24 |
| 10611-22-06 | M22X1.5 | | 10 | 06 | 30.5 | 14 | 27 |
| 10611-22-08 | M22X1.5 | | 12 | 08 | 31 | 14 | 27 |
| 10611-24-10 | M24X1.5 | | 16 | 10 | 35 | 14 | 30 |
| 10611-26-10 | M26X1.5 | | 16 | 10 | 35 | 16 | 32 |
| 10611-27-10D | M27X1.5 | | 16 | 10 | 35 | 16 | 32 |
| 10611-27-10 | M27X2 | | 16 | 10 | 37 | 18 | 32 |
| 10611-30-12D | M30X1.5 | | 20 | 12 | 38 | 18 | 36 |
| 10611-30-12 | M30X2 | | 20 | 12 | 38 | 18 | 36 |
| 10611-33-16 | M33X2 | | 25 | 16 | 43 | 20 | 46 |
| 10611-42-20 | M42X2 | | 32 | 20 | 46 | 20 | 50 |
| 10611-45-20 | M45X2 | | 32 | 20 | 46 | 20 | 55 |
| 10611-48-24 | M48X2 | | 40 | 24 | 46 | 20 | 55 |
| 10611-52-24 | M52X2 | | 40 | 24 | 46 | 20 | 60 |

HOSE FITTING



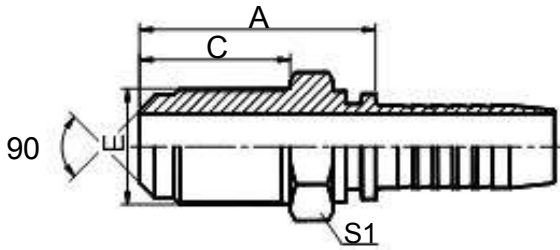
10711

74

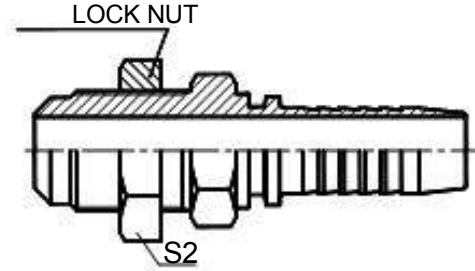
GB METRIC MALE 74?CONE

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|---|----------|---|-----------|------|------------|------|----|--|--|
| | THREAD | E | DN | DASH | A | C | S1 | | |
| 10711-10-02 | M10X1 | | 4 | 02 | 23 | 12.5 | 14 | | |
| 10711-10-03 | M10X1 | | 5 | 03 | 23 | 12.5 | 14 | | |
| 10711-12-03 | M12X1.5 | | 5 | 03 | 26.5 | 15.7 | 14 | | |
| 10711-12-03C | M12X1.25 | | 5 | 03 | 24.5 | 14 | 14 | | |
| 10711-14-04 | M14X1.5 | | 6 | 04 | 30.5 | 18 | 17 | | |
| 10711-14-06 | M14X1.5 | | 10 | 06 | 30.5 | 18 | 17 | | |
| 10711-16-05 | M16X1.5 | | 8 | 05 | 31.5 | 19 | 17 | | |
| 10711-16-06 | M16X1.5 | | 10 | 06 | 31.5 | 19 | 17 | | |
| 10711-18-06 | M18X1.5 | | 10 | 06 | 31.5 | 19 | 19 | | |
| 10711-22-08 | M22X1.5 | | 12 | 08 | 35 | 19.5 | 24 | | |
| 10711-24-08 | M24X1.5 | | 12 | 08 | 37 | 20 | 27 | | |
| 10711-27-10 | M27X1.5 | | 16 | 10 | 38.5 | 20.5 | 30 | | |
| 10711-30-12 | M30X1.5 | | 20 | 12 | 42.5 | 23 | 32 | | |
| 10711-30-12E | M30X2 | | 20 | 12 | 45.5 | 26 | 32 | | |
| 10711-33-12 | M33X2 | | 20 | 12 | 45 | 26 | 36 | | |
| 10711-36-14 | M36X2 | | 22 | 14 | 45 | 26 | 38 | | |
| 10711-39-16 | M39X2 | | 25 | 16 | 48 | 27.5 | 41 | | |
| 10711-42-20 | M42X2 | | 32 | 20 | 52 | 28.5 | 46 | | |
| 10711-45-20 | M45X2 | | 32 | 20 | 52 | 28.5 | 46 | | |
| <div> <div>1.</div> <div>2.</div> </div> <div> <div>10712-xx-xx</div> </div> | | | | | | | | | |
| <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 10712-xx-xx.</div> </div> | | | | | | | | | |

HOSE FITTING



10811L

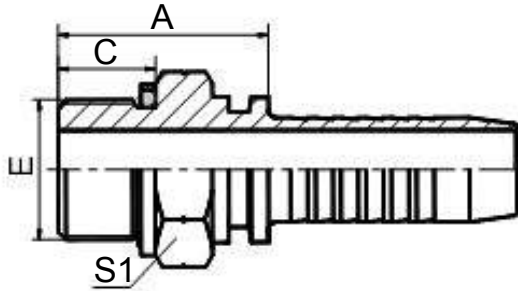


10811L-LN

90
METRIC MALE 90C ONE

| PART NO. | THREAD E | DN | DASH | A | C | S1 | S2 |
|--|----------|----|------|------|------|----|----|
| 10811L-12-04 | M12X1.5 | 6 | 04 | 46 | 34 | 17 | 17 |
| 10811L-12-04A | M12X1 | 6 | 04 | 44.5 | 32.5 | 17 | 17 |
| 10811L-14-04 | M14X1.5 | 6 | 04 | 46 | 34 | 17 | 19 |
| 10811L-14-06 | M14X1.5 | 10 | 06 | 46.5 | 34 | 17 | 19 |
| 10811L-16-04 | M16X1.5 | 6 | 04 | 46.5 | 34 | 19 | 22 |
| 10811L-16-06 | M16X1.5 | 10 | 06 | 46.5 | 34 | 22 | 22 |
| 10811L-20-06 | M20X1.5 | 10 | 6 | 57 | 40 | 27 | 27 |
| 10811L-20-08 | M20X1.5 | 12 | 08 | 57.5 | 40 | 27 | 27 |
| 10811L-22-08 | M22X1.5 | 12 | 08 | 62.5 | 45 | 27 | 27 |
| <p>"LN" 10811L-12-04LN</p> <p>Note: if you are interested to order the fitting with lock nut, please insert suffix "LN" after our part no. for example 10811L-12-04LN.</p> | | | | | | | |

HOSE FITTING

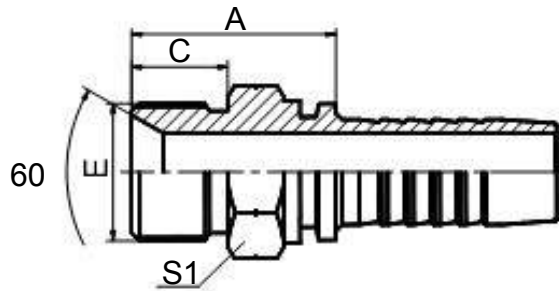


12211

O
BSP MALE O-RING SEAL

| PART NO. | E | HOSE BORE | | O | DIMENSIONS | | | |
|-------------|------------|-----------|------|--------|------------|------|----|--|
| | THREAD E | DN | DASH | O-RING | A | C | S1 | |
| 12211-04-04 | G1/4"X19 | 6 | 04 | O111 | 23.5 | 11 | 19 | |
| 12211-04-06 | G1/4"X19 | 10 | 06 | O111 | 23.5 | 11 | 19 | |
| 12211-06-06 | G3/8"X19 | 10 | 06 | O113 | 26.5 | 12 | 22 | |
| 12211-08-04 | G1/2"X14 | 6 | 04 | O115 | 33.5 | 14 | 27 | |
| 12211-08-06 | G1/2"X14 | 10 | 06 | O115 | 33.5 | 14 | 27 | |
| 12211-08-08 | G1/2"X14 | 12 | 08 | O115 | 34 | 14 | 27 | |
| 12211-10-10 | G5/8"X14 | 16 | 10 | O910 | 36 | 15.5 | 30 | |
| 12211-12-10 | G3/4"X14 | 16 | 10 | O119 | 33.5 | 15.5 | 32 | |
| 12211-12-12 | G3/4"X14 | 20 | 12 | O119 | 38 | 15.5 | 32 | |
| 12211-12-16 | G3/4"X14 | 25 | 16 | O119 | 36 | 15.5 | 32 | |
| 12211-16-16 | G1"X11 | 25 | 16 | O217 | 44.5 | 18.5 | 41 | |
| 12211-20-20 | G1.1/4"X11 | 32 | 20 | O222 | 46 | 20 | 50 | |

HOSE FITTING

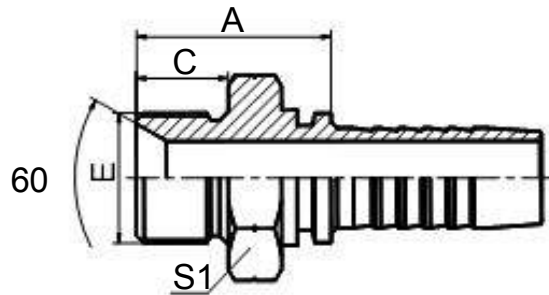


12611

60
BSP MALE 60 CONE SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|-------------|------------|---|-----------|------|------------|------|----|--|--|
| | THREAD | E | DN | DASH | A | C | S1 | | |
| 12611-02-03 | G1/8"X28 | | 5 | 03 | 22 | 10 | 12 | | |
| 12611-04-04 | G1/4"X19 | | 6 | 04 | 24.5 | 12 | 14 | | |
| 12611-06-05 | G3/8"X19 | | 8 | 05 | 26 | 13.5 | 17 | | |
| 12611-06-06 | G3/8"X19 | | 10 | 06 | 27.5 | 13.5 | 17 | | |
| 12611-06-08 | G3/8"X19 | | 12 | 08 | 26.5 | 13.5 | 19 | | |
| 12611-08-06 | G1/2"X14 | | 10 | 06 | 30.5 | 16 | 22 | | |
| 12611-08-08 | G1/2"X14 | | 12 | 08 | 31 | 16 | 22 | | |
| 12611-10-08 | G5/8"X14 | | 12 | 08 | 32.5 | 17.5 | 24 | | |
| 12611-10-10 | G5/8"X14 | | 16 | 10 | 33.5 | 17.5 | 24 | | |
| 12611-12-08 | G3/4"X14 | | 12 | 08 | 35.5 | 18.5 | 27 | | |
| 12611-12-10 | G3/4"X14 | | 16 | 10 | 37 | 18.5 | 27 | | |
| 12611-12-12 | G3/4"X14 | | 20 | 12 | 36.5 | 18.5 | 27 | | |
| 12611-16-12 | G1"X11 | | 20 | 12 | 40.5 | 20.5 | 36 | | |
| 12611-16-16 | G1"X11 | | 25 | 16 | 41.5 | 20.5 | 36 | | |
| 12611-20-16 | G1.1/4"X11 | | 25 | 16 | 43.5 | 20.5 | 46 | | |
| 12611-20-20 | G1.1/4"X11 | | 32 | 20 | 44.5 | 20.5 | 46 | | |
| 12611-24-20 | G.1/2"X11 | | 32 | 20 | 49 | 23 | 50 | | |
| 12611-24-24 | G.1/2"X11 | | 40 | 24 | 46 | 23 | 50 | | |
| 12611-32-32 | G2"X11 | | 50 | 32 | 53.5 | 25.5 | 65 | | |

HOSE FITTING



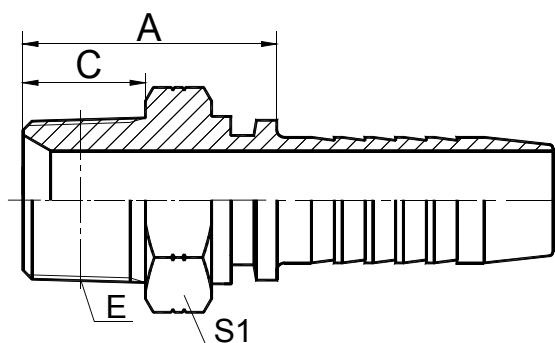
12611A

60

BSP MALE DOUBLE USE FOR 60
CONE SEAT OR BONDED SEAL

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|--------------|------------|---|-----------|------|------------|------|----|--|--|
| | THREAD | E | DN | DASH | A | C | S1 | | |
| 12611A-02-03 | G1/8"X28 | | 5 | 03 | 22 | 10 | 14 | | |
| 12611A-04-04 | G1/4"X19 | | 6 | 04 | 24.5 | 12 | 19 | | |
| 12611A-04-05 | G1/4"X19 | | 8 | 05 | 24.5 | 12 | 19 | | |
| 12611A-06-05 | G3/8"X19 | | 8 | 05 | 26 | 13.5 | 22 | | |
| 12611A-06-06 | G3/8"X19 | | 10 | 06 | 28 | 13.5 | 22 | | |
| 12611A-06-08 | G3/8"X19 | | 12 | 08 | 28.5 | 13.5 | 22 | | |
| 12611A-08-06 | G1/2"X14 | | 10 | 06 | 33 | 16 | 27 | | |
| 12611A-08-08 | G1/2"X14 | | 12 | 08 | 33.5 | 16 | 27 | | |
| 12611A-08-10 | G1/2"X14 | | 16 | 10 | 32 | 16 | 27 | | |
| 12611A-10-08 | G5/8"X14 | | 12 | 08 | 35 | 17.5 | 30 | | |
| 12611A-10-10 | G5/8"X14 | | 16 | 10 | 36 | 17.5 | 30 | | |
| 12611A-12-08 | G3/4"X14 | | 12 | 08 | 36.5 | 18.5 | 32 | | |
| 12611A-12-10 | G3/4"X14 | | 16 | 10 | 37.5 | 18.5 | 32 | | |
| 12611A-12-12 | G3/4"X14 | | 20 | 12 | 37.5 | 18.5 | 32 | | |
| 12611A-16-12 | G1"X11 | | 20 | 12 | 42.5 | 20.5 | 41 | | |
| 12611A-16-16 | G1"X11 | | 25 | 16 | 43.5 | 20.5 | 41 | | |
| 12611A-20-16 | G1.1/4"X11 | | 25 | 16 | 45.5 | 20.5 | 50 | | |
| 12611A-20-20 | G1.1/4"X11 | | 32 | 20 | 46.5 | 20.5 | 50 | | |
| 12611A-24-24 | G.1/2"X11 | | 40 | 24 | 49 | 23 | 55 | | |
| 12611A-32-32 | G2"X11 | | 50 | 32 | 54.5 | 25.5 | 70 | | |
| 60? | | | | | | | | | |

HOSE FITTING

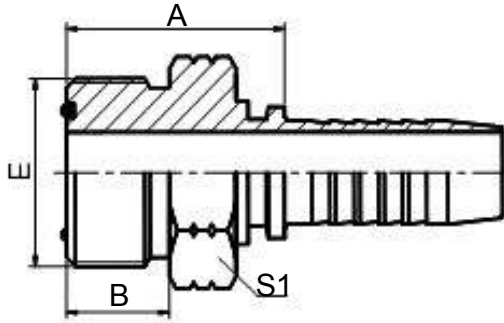


13011-SP

BSPT MALE

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|---------------|------------|---|-----------|------|------------|------|----|--|
| | THREAD | E | DN | DASH | A | C | S1 | |
| 13011-02-03SP | R1/8"X28 | | 5 | 03 | 22 | 10 | 12 | |
| 13011-02-04SP | R1/8"X28 | | 6 | 04 | 22.5 | 10 | 12 | |
| 13011-04-04SP | R1/4"X19 | | 6 | 04 | 27 | 14.5 | 14 | |
| 13011-04-05SP | R1/4"X19 | | 8 | 05 | 25 | 15.4 | 14 | |
| 13011-04-06SP | R1/4"X19 | | 10 | 06 | 27 | 14.5 | 17 | |
| 13011-06-04SP | R3/8"X19 | | 6 | 04 | 27.5 | 15 | 17 | |
| 13011-06-05SP | R3/8"X19 | | 8 | 05 | 26.5 | 15 | 17 | |
| 13011-06-06SP | R3/8"X19 | | 10 | 06 | 27.5 | 15 | 17 | |
| 13011-06-08SP | R3/8"X19 | | 12 | 08 | 30 | 15 | 19 | |
| 13011-08-06SP | R1/2"X14 | | 10 | 06 | 34.5 | 20 | 22 | |
| 13011-08-08SP | R1/2"X14 | | 12 | 08 | 35 | 20 | 22 | |
| 13011-08-10SP | R1/2"X14 | | 16 | 10 | 38 | 20 | 22 | |
| 13011-08-12SP | R1/2"X14 | | 20 | 12 | 38 | 20 | 27 | |
| 13011-12-08SP | R3/4"X14 | | 12 | 08 | 37 | 20 | 27 | |
| 13011-12-10SP | R3/4"X14 | | 16 | 10 | 38 | 20 | 27 | |
| 13011-12-12SP | R3/4"X14 | | 20 | 12 | 38.5 | 20 | 27 | |
| 13011-12-16SP | R3/4"X14 | | 25 | 16 | 39.5 | 20 | 32 | |
| 13011-16-12SP | R1"X11 | | 20 | 12 | 44 | 25.5 | 36 | |
| 13011-16-16SP | R1"X11 | | 25 | 16 | 45 | 25.5 | 36 | |
| 13011-20-20SP | R1.1/4"X11 | | 32 | 20 | 49.5 | 26.5 | 46 | |
| 13011-24-24SP | R1.1/2"X11 | | 40 | 24 | 52.5 | 26.5 | 50 | |
| 13011-32-24SP | R2"X11 | | 40 | 24 | 57 | 30 | 65 | |
| 13011-32-32SP | R2"X11 | | 50 | 32 | 57 | 30 | 65 | |

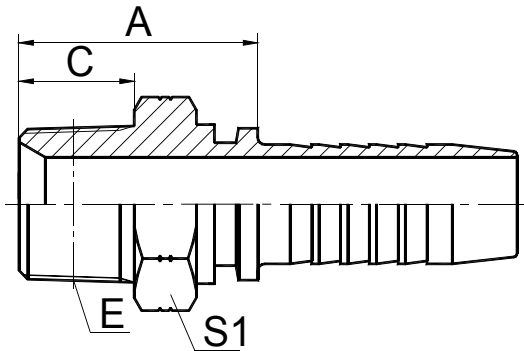
HOSE FITTING



14211

| PART NO. | E THREAD E | HOSE BORE | | O O-RING | DIMENSIONS | | | |
|-------------|---------------|-----------|------|-------------|------------|------|----|--|
| | | DN | DASH | | A | B | S1 | |
| 14211-04-04 | 9/16"X18 | 6 | 04 | O011 | 22.5 | 9.8 | 17 | |
| 14211-06-04 | 11/16"X16 | 6 | 04 | O012 | 24 | 11.2 | 19 | |
| 14211-06-06 | 11/16"X16 | 10 | 06 | O012 | 24 | 11.2 | 19 | |
| 14211-08-06 | 13/16"X16 | 10 | 06 | O014 | 27.5 | 12.8 | 22 | |
| 14211-08-08 | 13/16"X16 | 12 | 08 | O014 | 28.5 | 12.8 | 22 | |
| 14211-08-10 | 13/16"X16 | 16 | 10 | O014 | 28.5 | 12.8 | 22 | |
| 14211-10-08 | 1"X14 | 12 | 08 | O016 | 32.5 | 15.5 | 27 | |
| 14211-10-10 | 1"X14 | 16 | 10 | O016 | 33.5 | 15.5 | 27 | |
| 14211-12-08 | 1.3/16"X12 | 12 | 08 | O018 | 35.5 | 17 | 32 | |
| 14211-12-10 | 1.3/16"X12 | 16 | 10 | O018 | 36 | 17 | 32 | |
| 14211-12-12 | 1.3/16"X12 | 20 | 12 | O018 | 36.5 | 17 | 32 | |
| 14211-16-12 | 1.7/16"X12 | 20 | 12 | O021 | 37 | 17.5 | 38 | |
| 14211-16-16 | 1.7/16"X12 | 25 | 16 | O021 | 38.5 | 17.5 | 38 | |
| 14211-20-20 | 1.11/16"X12 | 32 | 20 | O025 | 41.5 | 17.5 | 46 | |
| 14211-24-24 | 2"X12 | 40 | 24 | O029 | 46.5 | 17.5 | 55 | |

HOSE FITTING

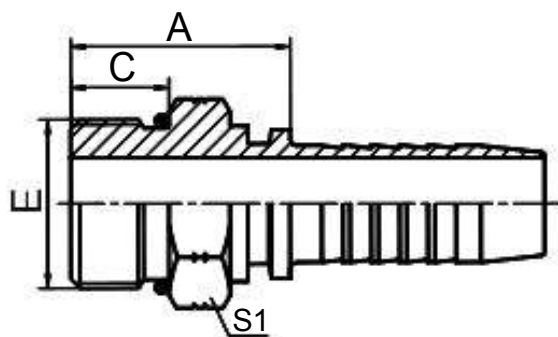


15611

NPT MALE

| PART NO. | E | HOSE BORE | | DIMENSIONS | | | |
|-------------|--------------|-----------|------|------------|------|----|--|
| | THREAD E | DN | DASH | A | C | S1 | |
| 15611-02-03 | Z1/8"X27 | 5 | 03 | 21.5 | 10.5 | 12 | |
| 15611-02-04 | Z1/8"X27 | 6 | 04 | 22.5 | 10.5 | 12 | |
| 15611-04-03 | Z1/4"X18 | 5 | 03 | 27 | 15 | 17 | |
| 15611-04-04 | Z1/4"X18 | 6 | 04 | 28 | 15 | 17 | |
| 15611-04-05 | Z1/4"X18 | 8 | 05 | 28 | 15 | 17 | |
| 15611-04-06 | Z1/4"X18 | 10 | 06 | 28 | 15 | 17 | |
| 15611-06-04 | Z3/8"X18 | 6 | 04 | 28 | 16 | 19 | |
| 15611-06-05 | Z3/8"X18 | 8 | 05 | 29 | 16 | 19 | |
| 15611-06-06 | Z3/8"X18 | 10 | 06 | 29 | 16 | 19 | |
| 15611-06-08 | Z3/8"X18 | 12 | 08 | 30.5 | 16 | 19 | |
| 15611-08-06 | Z1/2"X14 | 10 | 06 | 34 | 19.5 | 22 | |
| 15611-08-08 | Z1/2"X14 | 12 | 08 | 34.5 | 19.5 | 22 | |
| 15611-08-10 | Z1/2"X14 | 16 | 10 | 35.5 | 19.5 | 22 | |
| 15611-12-08 | Z3/4"X14 | 12 | 08 | 37.5 | 19.5 | 27 | |
| 15611-12-10 | Z3/4"X14 | 16 | 10 | 37.5 | 19.5 | 27 | |
| 15611-12-12 | Z3/4"X14 | 20 | 12 | 38.5 | 19.5 | 27 | |
| 15611-12-16 | Z3/4"X14 | 25 | 16 | 39.5 | 19.5 | 32 | |
| 15611-16-10 | Z1"X11.5 | 16 | 10 | 45 | 25.5 | 36 | |
| 15611-16-12 | Z1"X11.5 | 20 | 12 | 45 | 25.5 | 36 | |
| 15611-16-16 | Z1"X11.5 | 25 | 16 | 46.5 | 25.5 | 36 | |
| 15611-20-16 | Z1.1/4"X11.5 | 25 | 16 | 49 | 26.5 | 46 | |
| 15611-20-20 | Z1.1/4"X11.5 | 32 | 20 | 50.5 | 26.5 | 46 | |
| 15611-24-24 | Z1.1/2"X11.5 | 40 | 24 | 51 | 27.5 | 50 | |
| 15611-32-32 | Z2"X11.5 | 50 | 32 | 55 | 27.5 | 65 | |

SWAGED HOSE FITTING

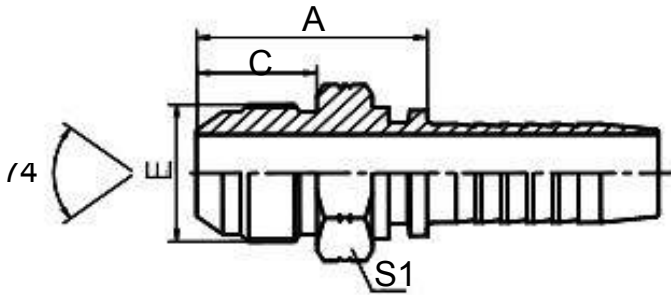


16011

SAE O
SAE O-RING MALE
ISO 11926--SAE J1926

| PART NO. | E THREAD E | HOSE BORE | | O O RING | DIMENSIONS | | |
|--|---------------|-----------|------|-------------|------------|------|----|
| | | DN | DASH | | A | C | S1 |
| 16011-04-04 | 7/16"X20 | 6 | 04 | O904 | 21.5 | 9.1 | 14 |
| 16011-05-04 | 1/2"X20 | 6 | 04 | O905 | 21.5 | 9.1 | 17 |
| 16011-06-05 | 9/16"X18 | 8 | 05 | O906 | 22.5 | 9.9 | 17 |
| 16011-06-06 | 9/16"X18 | 10 | 06 | O906 | 22.5 | 9.9 | 17 |
| 16011-08-06 | 3/4"X16 | 10 | 06 | O908 | 23.5 | 11.1 | 22 |
| 16011-08-08 | 3/4"X16 | 12 | 08 | O908 | 24 | 11.1 | 22 |
| 16011-10-08 | 7/8"X14 | 12 | 08 | O910 | 30 | 12.7 | 27 |
| 16011-10-10 | 7/8"X14 | 16 | 10 | O910 | 31 | 12.7 | 27 |
| 16011-12-10 | 1.1/16"X12 | 16 | 10 | O912 | 34 | 15.1 | 32 |
| 16011-12-12 | 1.1/16"X12 | 20 | 12 | O912 | 34 | 15.1 | 32 |
| 16011-16-16 | 1.5/16"X12 | 25 | 16 | O916 | 36 | 15.1 | 38 |
| 1. 16012-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 16012-xx-xx. | | | | | | | |

SWAGED HOSE FITTING

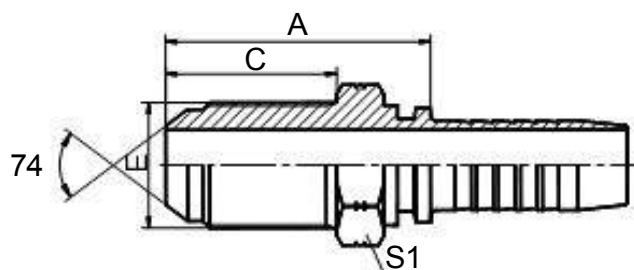


16711

JIC 74
JIC MALE 74CONE
ISO 8434-2--SAE J514

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | |
|--|------------|------------|------|--|------------|------|----|
| | THREAD E | DN | DASH | | A | C | S1 |
| 16711-04-03 | 7/16"X20 | 5 | 03 | | 26 | 14 | 12 |
| 16711-04-04 | 7/16"X20 | 6 | 04 | | 26.5 | 14 | 12 |
| 16711-05-04 | 1/2"X20 | 6 | 04 | | 26.5 | 14 | 14 |
| 16711-05-05 | 1/2"X20 | 8 | 05 | | 26.5 | 14 | 14 |
| 16711-05-06 | 1/2"X20 | 10 | 06 | | 26.5 | 14 | 17 |
| 16711-06-04 | 9/16"X18 | 6 | 04 | | 26.5 | 14.1 | 17 |
| 16711-06-05 | 9/16"X18 | 8 | 05 | | 26.5 | 14.1 | 17 |
| 16711-06-06 | 9/16"X18 | 10 | 06 | | 26.5 | 14.1 | 17 |
| 16711-08-06 | 3/4"X16 | 10 | 06 | | 31.5 | 16.7 | 22 |
| 16711-08-08 | 3/4"X16 | 12 | 08 | | 32 | 16.7 | 22 |
| 16711-10-06 | 7/8"X14 | 10 | 06 | | 33.5 | 19.3 | 24 |
| 16711-10-08 | 7/8"X14 | 12 | 08 | | 34 | 19.3 | 24 |
| 16711-10-10 | 7/8"X14 | 16 | 10 | | 35 | 19.3 | 24 |
| 16711-12-08 | 1.1/16"X12 | 12 | 08 | | 38.5 | 21.9 | 30 |
| 16711-12-10 | 1.1/16"X12 | 16 | 10 | | 39.5 | 21.9 | 30 |
| 16711-12-12 | 1.1/16"X12 | 20 | 12 | | 40 | 21.9 | 30 |
| 16711-12-16 | 1.1/16"X12 | 25 | 16 | | 42 | 21.9 | 30 |
| 16711-14-10 | 1.3/16"X12 | 16 | 10 | | 41.5 | 22.6 | 32 |
| 16711-14-12 | 1.3/16"X12 | 20 | 12 | | 40.5 | 22.6 | 32 |
| 16711-16-12 | 1.5/16"X12 | 20 | 12 | | 43 | 23.1 | 36 |
| 16711-16-16 | 1.5/16"X12 | 25 | 16 | | 43.5 | 23.1 | 36 |
| 16711-20-16 | 1.5/8"X12 | 25 | 16 | | 47 | 24.3 | 46 |
| 16711-20-20 | 1.5/8"X12 | 32 | 20 | | 47.5 | 24.3 | 46 |
| 16711-24-20 | 1.7/8"X12 | 32 | 20 | | 53 | 27.5 | 50 |
| 16711-24-24 | 1.7/8"X12 | 40 | 24 | | 53 | 27.5 | 50 |
| 16711-32-32 | 2.1/2"X12 | 50 | 32 | | 62 | 33.9 | 65 |
| 1 | 2.1 | 6712-xx-xx | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 16712-xx-xx. | | | | | | | |

HOSE FITTING

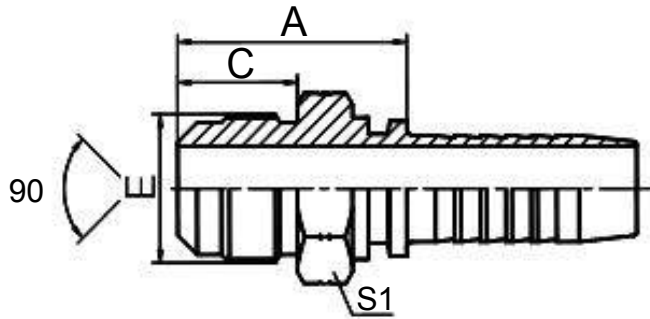


16711L

JIC 74
JIC MALE 74 CONE

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--------------|---------------|-----------|------|--|------------|------|----|--|
| | | DN | DASH | | A | C | S1 | |
| 16711L-04-04 | 7/16"X20 | 6 | 04 | | 43 | 30.5 | 17 | |
| 16711L-05-04 | 1/2"X20 | 6 | 04 | | 43 | 30.5 | 19 | |
| 16711L-05-05 | 1/2"X20 | 8 | 05 | | 43 | 30.5 | 19 | |
| 16711L-06-04 | 9/16"X18 | 6 | 04 | | 47 | 32.5 | 22 | |
| 16711L-06-05 | 9/16"X18 | 8 | 05 | | 47 | 32.5 | 22 | |
| 16711L-06-06 | 9/16"X18 | 10 | 06 | | 47 | 32.5 | 22 | |
| 16711L-08-06 | 3/4"X16 | 10 | 06 | | 51 | 36.5 | 24 | |
| 16711L-08-08 | 3/4"X16 | 12 | 08 | | 51.5 | 36.5 | 24 | |
| 16711L-10-06 | 7/8"X14 | 10 | 06 | | 56.5 | 40 | 30 | |
| 16711L-10-08 | 7/8"X14 | 12 | 08 | | 57 | 40 | 30 | |
| 16711L-10-10 | 7/8"X14 | 16 | 10 | | 58 | 40 | 30 | |
| 16711L-12-08 | 1.1/16"X12 | 12 | 08 | | 63 | 44.5 | 36 | |
| 16711L-12-10 | 1.1/16"X12 | 16 | 10 | | 64 | 44.5 | 36 | |
| 16711L-12-12 | 1.1/16"X12 | 20 | 12 | | 64 | 44.5 | 36 | |
| 16711L-16-12 | 1.5/16"X12 | 20 | 12 | | 66 | 44.5 | 41 | |
| 16711L-16-16 | 1.5/16"X12 | 25 | 16 | | 67 | 44.5 | 41 | |
| 16711L-20-16 | 1.5/8"X12 | 25 | 16 | | 70.5 | 45.7 | 50 | |
| 16711L-20-20 | 1.5/8"X12 | 32 | 20 | | 71.2 | 45.7 | 50 | |
| 16711L-24-20 | 1.7/8"X12 | 32 | 20 | | 71.5 | 46 | 55 | |
| 16711L-24-24 | 1.7/8"X12 | 40 | 24 | | 71.5 | 46 | 55 | |

SWAGED HOSE FITTING

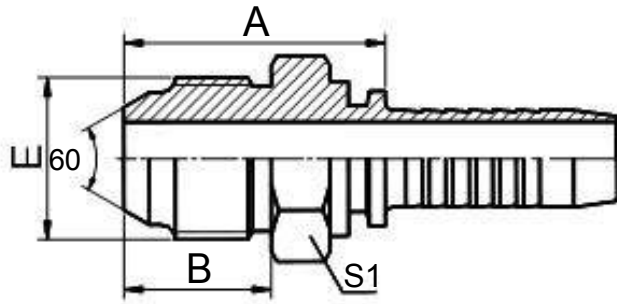


17811

SAE 90
SAE MALE 90° CONE
SAE J513

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--|------------|---|-----------|------|------------|------|----|
| | THREAD | E | DN | DASH | A | C | S1 |
| 17811-04-04 | 7/16"X20 | | 6 | 04 | 25.5 | 12.7 | 12 |
| 17811-05-05 | 1/2"X20 | | 8 | 05 | 27 | 14.2 | 14 |
| 17811-06-06 | 5/8"X18 | | 10 | 06 | 28.5 | 15.7 | 17 |
| 17811-08-08 | 3/4"X16 | | 12 | 08 | 34 | 19 | 22 |
| 17811-10-10 | 7/8"X14 | | 16 | 10 | 38.5 | 22.4 | 24 |
| 17811-12-12 | 1.1/16"X14 | | 20 | 12 | 44 | 25.4 | 30 |
| 1. 17812-xx-xx Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is 17812-xx-xx. | | | | | | | |

SWAGED HOSE FITTING



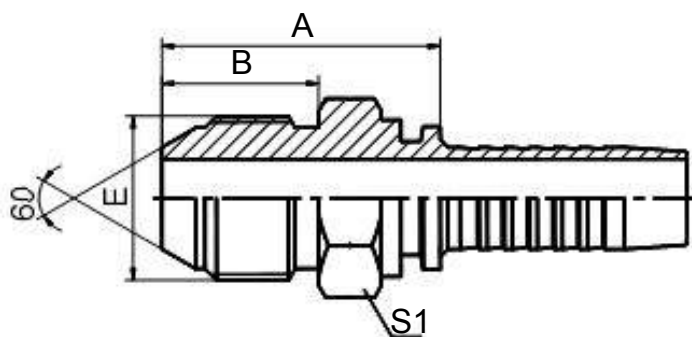
18611

60°

JIS METRIC MALE 60° ONE SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--|---------|---|-----------|------|------------|------|----|
| | THREAD | E | DN | DASH | A | B | S1 |
| 18611-14-04 | M14X1.5 | | 6 | 04 | 29.5 | 17 | 17 |
| 18611-16-04 | M16X1.5 | | 6 | 04 | 30.5 | 18 | 17 |
| 18611-16-06 | M16X1.5 | | 10 | 06 | 30.5 | 18 | 17 |
| 18611-18-06 | M18X1.5 | | 10 | 06 | 30.5 | 18 | 19 |
| 18611-20-08 | M20X1.5 | | 12 | 08 | 35 | 20 | 22 |
| 18611-22-08 | M22X1.5 | | 12 | 08 | 35.5 | 20 | 24 |
| 18611-24-10 | M24X1.5 | | 16 | 10 | 39.5 | 21.5 | 27 |
| 18611-30-12 | M30X1.5 | | 20 | 12 | 45.5 | 26 | 32 |
| 18611-33-16 | M33X1.5 | | 25 | 16 | 50.5 | 30 | 36 |
| 18611-36-20 | M36X1.5 | | 32 | 20 | 56.5 | 33 | 38 |
| 18611-42-24 | M42X1.5 | | 40 | 24 | 59.5 | 36 | 46 |
| 1. 18612-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 18612-xx-xx. | | | | | | | |

HOSE FITTING



19611

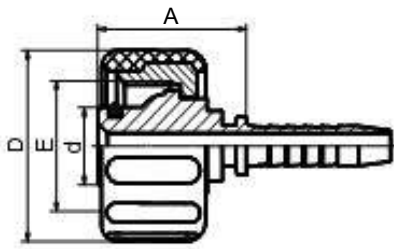
60

JIS BSPP MALE 60

CONE SEAT

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | | |
|--|----------------|-----------|------|--|------------|----|----|--|--|
| | THREAD E | DN | DASH | | A | B | S1 | | |
| 19611-04-04 | G1/4"X19 | 6 | 04 | | 29 | 16 | 17 | | |
| 19611-06-06 | G3/8"X19 | 10 | 06 | | 31 | 18 | 19 | | |
| 19611-08-08 | G1/2"X14 | 12 | 08 | | 35.5 | 20 | 22 | | |
| 19611-12-12 | G3/4"X14 | 20 | 12 | | 41 | 22 | 30 | | |
| 19611-16-16 | G1"X11 | 25 | 16 | | 45.5 | 24 | 36 | | |
| 1. | 2. 19612-xx-xx | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 19612-xx-xx. | | | | | | | | | |

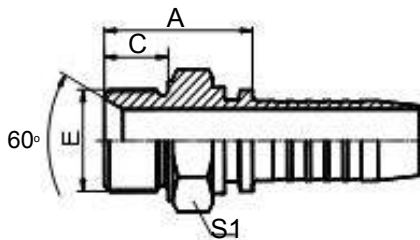
HOSE FITTING



20011-ST

METRIC FEMALE WATERWASH INSERTS

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | |
|---------------|---------------|-----------|------|--|------------|----|------|
| | | DN | DASH | | A | d | D |
| 20011-22-03ST | M22X1.5 | 5 | 03 | | 24.5 | 14 | 34.5 |
| 20011-22-04ST | M22X1.5 | 6 | 04 | | 25 | 14 | 34.5 |
| 20011-22-05ST | M22X1.5 | 8 | 05 | | 25 | 14 | 34.5 |
| 20011-22-06ST | M22X1.5 | 10 | 06 | | 25 | 14 | 34.5 |

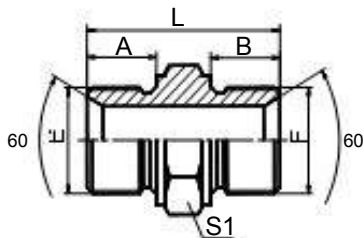


10611

60

METRIC MALE 60CONE SEAT

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | |
|-------------|---------------|-----------|------|--|------------|----|----|
| | | DN | DASH | | A | C | S1 |
| 10611-22-04 | M22X1.5 | 6 | 04 | | 30.5 | 14 | 27 |
| 10611-22-05 | M22X1.5 | 8 | 05 | | 30.5 | 14 | 27 |
| 10611-22-06 | M22X1.5 | 10 | 06 | | 30.5 | 14 | 27 |



1M-R

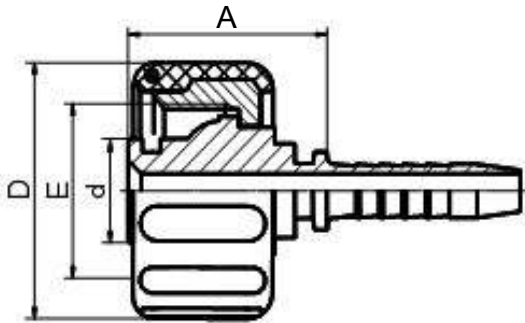
60

METRIC MALE 60SEAT

| PART NO. | THREAD | | DIMENSIONS | | | | |
|----------|---------|---------|------------|----|----|----|----|
| | E | F | | A | B | L | S1 |
| 1M-22R | M22X1.5 | M22X1.5 | | 14 | 14 | 36 | 24 |

:
STANDARD O-RING NBR

SWAGED HOSE FITTING

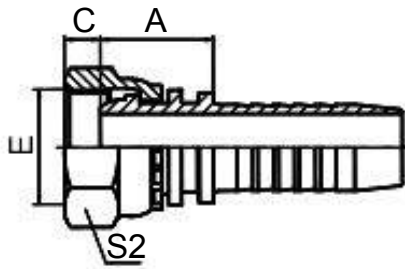


20011-T

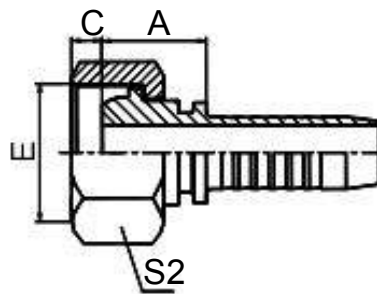
METRIC FEMALE WATERWASH INSERTS

| PART NO. | E | | HOSE BORE | | O RING | DIMENSIONS | | |
|--------------|---------|---|-----------|------|-----------|------------|----|------|
| | THREAD | E | DN | DASH | | A | d | D |
| 20011-22-04T | M22X1.5 | | 6 | 04 | O10.0X2.0 | 32.7 | 14 | 34.5 |
| 20011-22-05T | M22X1.5 | | 8 | 05 | O10.0X2.0 | 32.7 | 14 | 34.5 |
| 20011-22-06T | M22X1.5 | | 10 | 06 | O10.0X2.0 | 32.7 | 14 | 34.5 |

HOSE FITTING



20111



20111-T

METRIC FEMALE MULTISEAL

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|---------------|---------------|-----------|------|--|------------|-----|----|--|
| | | DN | DASH | | A | C | S2 | |
| 20111-10-03 | M10X1 | 5 | 03 | | 18 | 2.5 | 14 | |
| 20111-10-04 | M10X1 | 6 | 04 | | 18 | 2.5 | 14 | |
| 20111-12-04 | M12X1.5 | 6 | 04 | | 18.5 | 4 | 17 | |
| 20111-12-05 | M12X1.5 | 8 | 05 | | 18.5 | 4 | 17 | |
| 20111-14-04 | M14X1.5 | 6 | 04 | | 19.5 | 4.5 | 19 | |
| 20111-14-05 | M14X1.5 | 8 | 05 | | 19.5 | 4.5 | 19 | |
| 20111-16-04 | M16X1.5 | 6 | 04 | | 19.5 | 4.5 | 22 | |
| 20111-16-05 | M16X1.5 | 8 | 05 | | 20 | 4.5 | 22 | |
| 20111-16-06 | M16X1.5 | 10 | 06 | | 20 | 4.5 | 22 | |
| 20111-18-05T | M18X1.5 | 8 | 05 | | 21.5 | 4 | 24 | |
| 20111-18-06 | M18X1.5 | 10 | 06 | | 21.5 | 4 | 24 | |
| 20111-18-08 | M18X1.5 | 12 | 08 | | 22 | 4 | 24 | |
| 20111-20-06T | M20X1.5 | 10 | 06 | | 20.5 | 5.5 | 24 | |
| 20111-20-08 | M20X1.5 | 12 | 08 | | 23 | 5.5 | 27 | |
| 20111-22-06T | M22X1.5 | 10 | 06 | | 23 | 5 | 27 | |
| 20111-22-08 | M22X1.5 | 12 | 08 | | 23.5 | 5 | 27 | |
| 20111-22-10 | M22X1.5 | 16 | 10 | | 24.5 | 5 | 27 | |
| 20111-24-08T | M24X1.5 | 12 | 08 | | 22 | 5.5 | 30 | |
| 20111-24-10 | M24X1.5 | 16 | 10 | | 26 | 5 | 30 | |
| 20111-27-08DT | M27X1.5 | 12 | 08 | | 23 | 5.5 | 32 | |
| 20111-27-10DT | M27X1.5 | 16 | 10 | | 26 | 5.5 | 32 | |
| 20111-27-12D | M27X1.5 | 20 | 12 | | 26 | 5.5 | 32 | |
| 20111-27-10T | M27X2 | 16 | 10 | | 26 | 7 | 32 | |
| 20111-30-12D | M30X1.5 | 20 | 12 | | 26.5 | 6 | 36 | |
| 20111-30-12 | M30X2 | 20 | 12 | | 26.5 | 7 | 36 | |
| 20111-36-12T | M36X2 | 20 | 12 | | 26 | 7 | 41 | |
| 20111-36-14T | M36X2 | 22 | 14 | | 26 | 7 | 41 | |
| 20111-39-14T | M39X2 | 22 | 14 | | 28.5 | 7 | 46 | |
| 20111-39-16T | M39X2 | 25 | 16 | | 29.5 | 7 | 46 | |
| 20111-42-16T | M42X2 | 25 | 16 | | 30 | 8.5 | 50 | |
| 20111-45-20T | M45X2 | 32 | 20 | | 31.5 | 8.5 | 55 | |
| 20111-52-20T | M52X2 | 32 | 20 | | 33 | 9 | 60 | |
| 20111-52-24T | M52X2 | 40 | 24 | | 33 | 9 | 60 | |
| 20111-64-32T | M64X2 | 50 | 32 | | 35 | 14 | 75 | |

1.

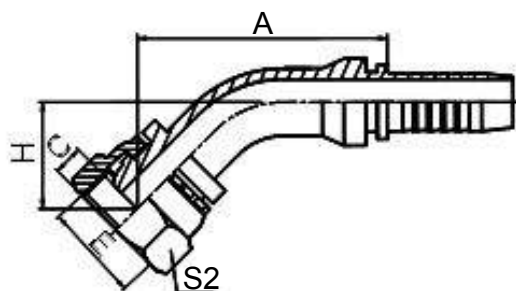
Note: 1.For use with braided hoses.

2.

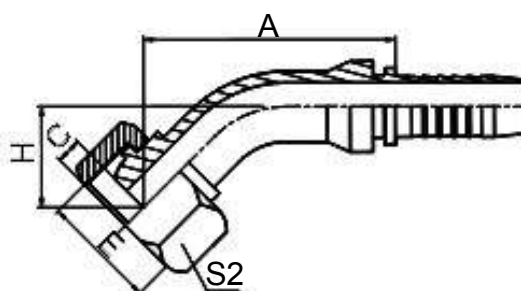
20112-xx-xx

2.If use with spiral hoses, hose fitting series number is 20112-xx-xx.

HOSE FITTING



20141



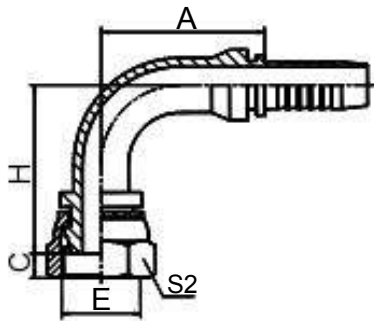
20141-T

45

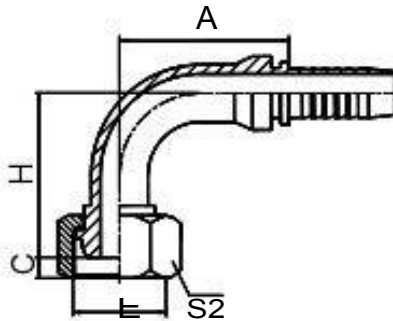
45 METRIC FEMALE MULTISEAL

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|-------------------------------------|---------------|--|------|-------------|------------|-----|-------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20141-10-03 | M10X1 | 5 | 03 | | 41.1 | 2.5 | 20.7 | 14 |
| 20141-10-04 | M10X1 | 6 | 04 | | 43.2 | 2.5 | 21.5 | 14 |
| 20141-12-03 | M12X1.5 | 5 | 03 | | 40.9 | 4 | 21.2 | 17 |
| 20141-12-04 | M12X1.5 | 6 | 04 | | 43 | 4 | 22 | 17 |
| 20141-14-04 | M14X1.5 | 6 | 04 | | 43.4 | 4.5 | 21.3 | 19 |
| 20141-14-05 | M14X1.5 | 8 | 05 | | 45.5 | 4.5 | 22.2 | 19 |
| 20141-16-04 | M16X1.5 | 6 | 04 | | 43.7 | 4.5 | 21.4 | 22 |
| 20141-16-05 | M16X1.5 | 8 | 05 | | 45.8 | 4.5 | 22.5 | 22 |
| 20141-16-06 | M16X1.5 | 10 | 06 | | 47.4 | 4.5 | 24.1 | 22 |
| 20141-18-05T | M18X1.5 | 8 | 05 | | 46.8 | 4 | 22.6 | 24 |
| 20141-18-06 | M18X1.5 | 10 | 06 | | 48.5 | 4 | 24.2 | 24 |
| 20141-18-08 | M18X1.5 | 12 | 08 | | 52.2 | 4 | 25.7 | 24 |
| 20141-20-06T | M20X1.5 | 10 | 06 | | 48.2 | 5.5 | 23.9 | 27 |
| 20141-20-08 | M20X1.5 | 12 | 08 | | 62.1 | 5.5 | 27.2 | 27 |
| 20141-22-06T | M22X1.5 | 10 | 06 | | 58.4 | 5 | 25.7 | 27 |
| 20141-22-08 | M22X1.5 | 12 | 08 | | 62.1 | 5 | 27.2 | 27 |
| 20141-24-08T | M24X1.5 | 12 | 08 | | 61.1 | 5.5 | 26.1 | 30 |
| 20141-24-10 | M24X1.5 | 16 | 10 | | 75.4 | 5 | 29.6 | 30 |
| 20141-27-10DT | M27X1.5 | 16 | 10 | | 74.4 | 5.5 | 29.6 | 32 |
| 20141-27-10T | M27X2 | 16 | 10 | | 74.4 | 5.5 | 29.6 | 32 |
| 20141-30-12D | M30X1.5 | 20 | 12 | | 80.9 | 6 | 33.5 | 36 |
| 20141-30-12 | M30X2 | 20 | 12 | | 80.9 | 6 | 33.5 | 36 |
| 20141-36-14T | M36X2 | 22 | 14 | | 83 | 7 | 32.64 | 41 |
| 20141-39-16T | M39X2 | 25 | 16 | | 88.2 | 7 | 33.95 | 46 |
| 20141-45-20T | M45X2 | 32 | 20 | | 99.1 | 8.5 | 38.4 | 55 |
| 20141-52-24T | M52X2 | 40 | 24 | | 114.1 | 9 | 43.4 | 60 |
| 1. | | 2. | | 20142-xx-xx | | | | |
| Note: 1.For use with braided hoses. | | 2.If use with spiral hoses, hose fitting series number is 20142-xx-xx. | | | | | | |

SWAGED HOSE FITTING



20191



20191-T

90

90METRIC FEMALE MULTISEAL

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|---------------|---------|---|-----------|------|------------|-----|-------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 20191-10-03 | M10X1 | | 5 | 03 | 27 | 2.5 | 35.5 | 14 |
| 20191-12-04 | M12X1.5 | | 6 | 04 | 30 | 4 | 37.5 | 17 |
| 20191-14-04 | M14X1.5 | | 6 | 04 | 30 | 4.5 | 38 | 19 |
| 20191-14-05 | M14X1.5 | | 8 | 05 | 33 | 4.5 | 41 | 19 |
| 20191-16-04 | M16X1.5 | | 6 | 04 | 30 | 4.5 | 38.5 | 19 |
| 20191-16-05 | M16X1.5 | | 8 | 05 | 33 | 4.5 | 41.5 | 22 |
| 20191-16-06 | M16X1.5 | | 10 | 06 | 35.3 | 4.5 | 43.8 | 22 |
| 20191-18-05T | M18X1.5 | | 8 | 05 | 33 | 4 | 43 | 24 |
| 20191-18-06 | M18X1.5 | | 10 | 06 | 35.3 | 4 | 45.3 | 24 |
| 20191-18-08 | M18X1.5 | | 12 | 08 | 40.5 | 4 | 50.5 | 24 |
| 20191-20-06T | M20X1.5 | | 10 | 06 | 35.3 | 5.5 | 43.8 | 24 |
| 20191-20-08 | M20X1.5 | | 12 | 08 | 41 | 5.5 | 52 | 27 |
| 20191-22-06T | M22X1.5 | | 10 | 06 | 35.8 | 5 | 76.8 | 27 |
| 20191-22-08 | M22X1.5 | | 12 | 08 | 41 | 5 | 52.5 | 27 |
| 20191-24-08T | M24X1.5 | | 12 | 08 | 41 | 5.5 | 51 | 30 |
| 20191-24-10 | M24X1.5 | | 16 | 10 | 58 | 5 | 58.5 | 30 |
| 20191-27-10DT | M27X1.5 | | 16 | 10 | 56 | 5.5 | 55.5 | 32 |
| 20191-27-10T | M27X2 | | 16 | 10 | 56 | 5.5 | 55.5 | 32 |
| 20191-30-12D | M30X1.5 | | 20 | 12 | 67.5 | 6 | 68.5 | 36 |
| 20191-30-12 | M30X2 | | 20 | 12 | 67.5 | 6 | 68.5 | 36 |
| 20191-36-12T | M36X2 | | 20 | 12 | 65.5 | 7 | 68 | 41 |
| 20191-36-14T | M36X2 | | 22 | 14 | 71.2 | 7 | 69 | 41 |
| 20191-39-16T | M39X2 | | 25 | 16 | 76.7 | 7 | 73.5 | 46 |
| 20191-45-20T | M45X2 | | 32 | 20 | 91.5 | 8.5 | 85 | 55 |
| 20191-52-24T | M52X2 | | 40 | 24 | 109.4 | 9 | 100 | 60 |
| 20191-64-32T | M64X2 | | 50 | 32 | 131.75 | 14 | 122.3 | 75 |

1.

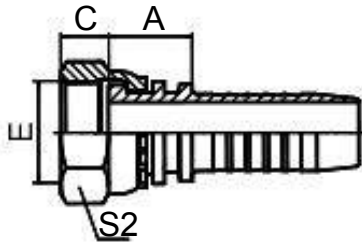
2.

20192-xx-xx

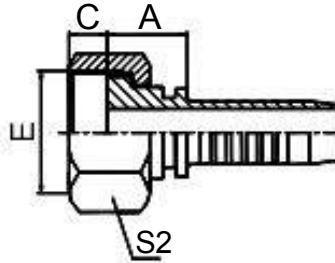
Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 20192-xx-xx.

HOSE FITTING



20211

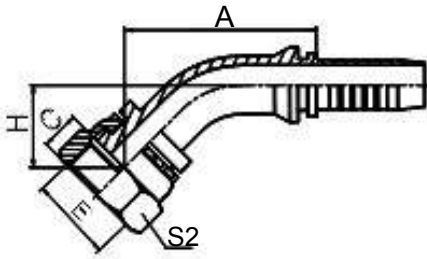


20211-T

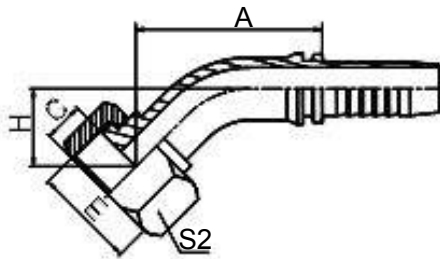
GB METRIC FEMALE FLAT SEAT
R EF. GB/T 9065.3

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | |
|--|----------|-----------|------|--|------------|------|----|
| | THREAD E | DN | DASH | | A | C | S2 |
| 20211-10-02 | M10X1 | 4 | 02 | | 14 | 6 | 14 |
| 20211-12-03 | M12X1.25 | 5 | 03 | | 14 | 8 | 17 |
| 20211-14-04 | M14X1.5 | 6 | 04 | | 15.5 | 8.5 | 19 |
| 20211-14-05 | M14X1.5 | 8 | 05 | | 15.5 | 8.5 | 19 |
| 20211-16-04 | M16X1.5 | 6 | 04 | | 16.5 | 8 | 22 |
| 20211-16-05 | M16X1.5 | 8 | 05 | | 16.5 | 8 | 22 |
| 20211-16-06 | M16X1.5 | 10 | 06 | | 16.5 | 8 | 22 |
| 20211-18-05T | M18X1.5 | 8 | 05 | | 17.5 | 8 | 24 |
| 20211-18-06 | M18X1.5 | 10 | 06 | | 17.5 | 8 | 24 |
| 20211-20-06T | M20X1.5 | 10 | 06 | | 16 | 10 | 24 |
| 20211-20-08 | M20X1.5 | 12 | 08 | | 18.5 | 10 | 27 |
| 20211-22-06T | M22X1.5 | 10 | 06 | | 16 | 10 | 27 |
| 20211-22-08 | M22X1.5 | 12 | 08 | | 18.5 | 10 | 27 |
| 20211-22-10 | M22X1.5 | 16 | 10 | | 19.5 | 10 | 27 |
| 20211-24-08T | M24X1.5 | 12 | 08 | | 16.5 | 11 | 30 |
| 20211-24-10 | M24X1.5 | 16 | 10 | | 20.5 | 10.5 | 30 |
| 20211-27-08T | M27X1.5 | 12 | 08 | | 18.5 | 10 | 32 |
| 20211-27-10T | M27X1.5 | 16 | 10 | | 19.5 | 10 | 32 |
| 20211-30-12 | M30X1.5 | 20 | 12 | | 21.5 | 11 | 36 |
| 20211-33-14 | M33X2 | 22 | 14 | | 21.5 | 13 | 41 |
| 20211-36-12T | M36X2 | 20 | 12 | | 20 | 13 | 41 |
| 20211-36-14T | M36X2 | 22 | 14 | | 20 | 13 | 41 |
| 20211-39-16T | M39X2 | 25 | 16 | | 23.5 | 13 | 46 |
| 20211-42-20 | M42X2 | 32 | 20 | | 26 | 15 | 50 |
| 20211-45-20T | M45X2 | 32 | 20 | | 25 | 15 | 55 |
| 20211-52-24T | M52X2 | 40 | 24 | | 25 | 17 | 60 |
| 20211-60-28T | M60X2 | 45 | 28 | | 26 | 20 | 70 |
| 20211-64-32T | M64X2 | 50 | 32 | | 26 | 23 | 75 |
| 1. 20212-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20212-xx-xx. | | | | | | | |

HOSE FITTING



20231



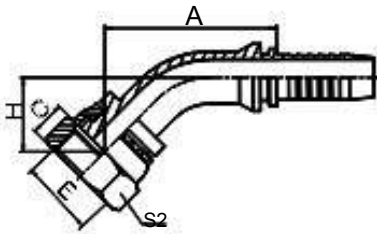
20231-T

30

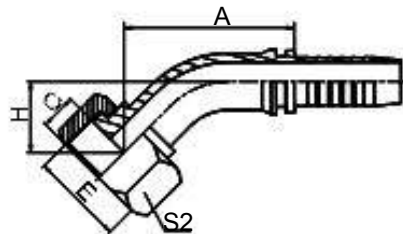
30?METRIC FEMALE FLAT SEAT
REF. GB/T 9065.3

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|-------------------------------------|---------------|--|------|-------------|------------|----|------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20231-22-08 | M22X1.5 | 12 | 08 | | 63.3 | 10 | 15 | 27 |
| 20231-27-10T | M27X1.5 | 16 | 10 | | 73.7 | 10 | 15.1 | 32 |
| 20231-30-12 | M30X1.5 | 20 | 12 | | 84.4 | 11 | 18.6 | 36 |
| 20231-36-12T | M36X2 | 20 | 12 | | 92.5 | 13 | 18.8 | 41 |
| 20231-39-16T | M39X2 | 25 | 16 | | 90.2 | 13 | 17.8 | 46 |
| 20231-45-20T | M45X2 | 32 | 20 | | 102.8 | 15 | 20 | 55 |
| 20231-52-24T | M52X2 | 40 | 24 | | 116.2 | 17 | 21.8 | 60 |
| 1. | | 2. | | 20232-xx-xx | | | | |
| Note: 1.For use with braided hoses. | | 2.If use with spiral hoses, hose fitting series number is 20232-xx-xx. | | | | | | |

SWAGED HOSE FITTING



20241



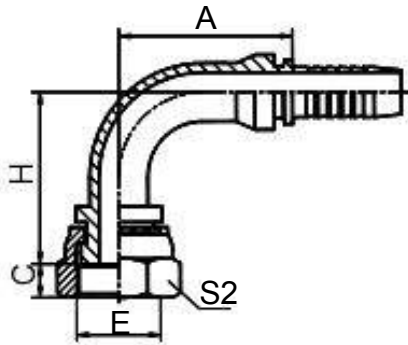
20241-T

45

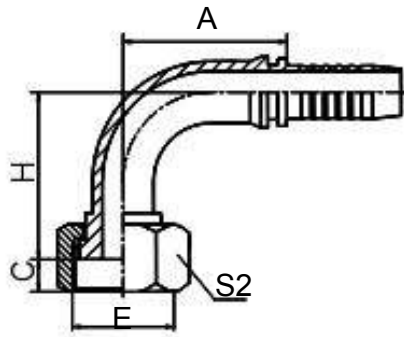
45°METRIC FEMALE FLAT SEAT
REF. GB/T 9065.3

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--|---------------|-----------|------|--|------------|-----|------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20241-14-04 | M14X1.5 | 6 | 04 | | 40.5 | 8.5 | 18.5 | 19 |
| 20241-14-05 | M14X1.5 | 8 | 05 | | 42.7 | 8.5 | 19.3 | 19 |
| 20241-16-05 | M16X1.5 | 8 | 05 | | 44.4 | 8.5 | 20 | 22 |
| 20241-18-06 | M18X1.5 | 10 | 06 | | 45.7 | 8 | 21.4 | 24 |
| 20241-22-08 | M22X1.5 | 12 | 08 | | 58.9 | 10 | 24 | 27 |
| 20241-27-10T | M27X1.5 | 16 | 10 | | 68.6 | 10 | 24.3 | 32 |
| 20241-30-12 | M30X1.5 | 20 | 12 | | 78.1 | 11 | 30 | 36 |
| 20241-36-12T | M36X2 | 20 | 12 | | 75 | 13 | 27.5 | 41 |
| 20241-36-14T | M36X2 | 22 | 14 | | 77.3 | 13 | 27 | 41 |
| 20241-36-16 | M36X2 | 25 | 16 | | 85.7 | 13 | 31.5 | 41 |
| 20241-39-16T | M39X2 | 25 | 16 | | 83.9 | 13 | 29.7 | 46 |
| 20241-42-20 | M42X2 | 32 | 20 | | 97.3 | 15 | 36.6 | 50 |
| 20241-45-20T | M45X2 | 32 | 20 | | 94.5 | 15 | 33.8 | 55 |
| 20241-52-20T | M52X2 | 32 | 20 | | 94.5 | 17 | 33.8 | 60 |
| 20241-52-24T | M52X2 | 40 | 24 | | 108.5 | 17 | 37.7 | 60 |
| 20241-60-28T | M60X2 | 45 | 28 | | 118.7 | 20 | 43.6 | 70 |
| 20241-64-32T | M64X2 | 50 | 32 | | 127.8 | 23 | 45.6 | 75 |
| 1. 20242-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20242-xx-xx. | | | | | | | | |

HOSE FITTING



20291



20291-T

90°
90°METRIC FEMALE FLAT SEAT
REF. GB/T 9065.3

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--------------|---------------|-----------|------|--|------------|-----|-------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20291-12-02 | M12X1.25 | 4 | 02 | | 26.5 | 8 | 30.5 | 17 |
| 20291-12-04 | M12X1.25 | 6 | 04 | | 30 | 8 | 33.5 | 17 |
| 20291-14-04 | M14X1.5 | 6 | 04 | | 30 | 8.5 | 34 | 19 |
| 20291-14-05 | M14X1.5 | 8 | 05 | | 33 | 8.5 | 37 | 19 |
| 20291-16-04 | M16X1.5 | 6 | 04 | | 30 | 8 | 35 | 22 |
| 20291-16-05 | M16X1.5 | 8 | 05 | | 34 | 8 | 38 | 22 |
| 20291-16-06 | M16X1.5 | 10 | 06 | | 35.3 | 8 | 40.3 | 22 |
| 20291-18-05T | M18X1.5 | 8 | 05 | | 33 | 8 | 39 | 24 |
| 20291-18-06 | M18X1.5 | 10 | 06 | | 35.75 | 8 | 41.3 | 24 |
| 20291-22-08 | M22X1.5 | 12 | 08 | | 41 | 10 | 48 | 27 |
| 20291-22-10 | M22X1.5 | 16 | 10 | | 57.5 | 10 | 53 | 27 |
| 20291-24-08T | M24X1.5 | 12 | 08 | | 41 | 11 | 45.5 | 30 |
| 20291-27-04T | M27X1.5 | 6 | 04 | | 30 | 10 | 35.5 | 32 |
| 20291-27-08T | M27X1.5 | 12 | 08 | | 41 | 10 | 46 | 32 |
| 20291-27-10T | M27X1.5 | 16 | 10 | | 56 | 10 | 51 | 32 |
| 20291-30-12 | M30X1.5 | 20 | 12 | | 66.2 | 11 | 63.5 | 36 |
| 20291-33-14 | M33X2 | 22 | 14 | | 71.2 | 13 | 65 | 41 |
| 20291-36-14T | M36X2 | 22 | 14 | | 71.2 | 13 | 61 | 41 |
| 20291-36-16 | M36X2 | 25 | 16 | | 76.7 | 13 | 70 | 41 |
| 20291-39-16T | M39X2 | 25 | 16 | | 76.7 | 13 | 67.5 | 46 |
| 20291-42-20 | M42X2 | 32 | 20 | | 91.5 | 15 | 82.5 | 50 |
| 20291-45-20T | M45X2 | 32 | 20 | | 91.5 | 15 | 78.5 | 55 |
| 20291-52-20T | M52X2 | 32 | 20 | | 91.5 | 17 | 78.5 | 60 |
| 20291-52-24T | M52X2 | 40 | 24 | | 109.4 | 17 | 92 | 60 |
| 20291-60-28T | M60X2 | 45 | 28 | | 119.9 | 20 | 106.5 | 70 |
| 20291-64-32T | M64X2 | 50 | 32 | | 130.95 | 23 | 113.3 | 75 |

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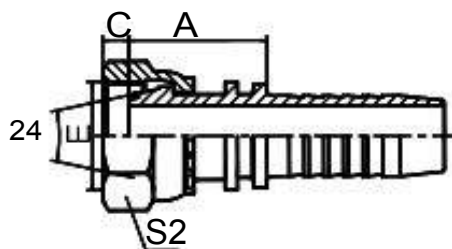
Note: 1.For use with braided hoses.

2.

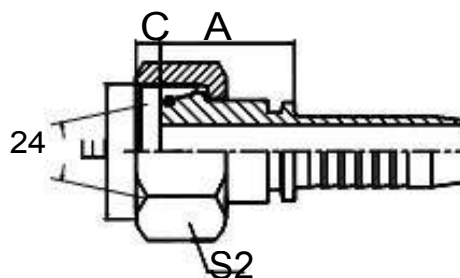
20292-xx-xx

2.If use with spiral hoses, hose fitting series number is 20292-xx-xx.

SWAGED HOSE FITTING



20411



20411-T

24 O

METRIC FEMALE 24CONE O-RING L.T.

ISO 12151-2--DIN 3865

| PART NO. | E | HOSE BORE | | | O | DIMENSIONS | | |
|--------------|----------|-----------|------|-----------|-----------|------------|-----|----|
| | THREAD E | DN | DASH | TUBE O.D. | O RING | A | C | S2 |
| 20411-12-04 | M12X1.5 | 6 | 04 | 6 | O04.5X1.5 | 26 | 1 | 17 |
| 20411-14-04 | M14X1.5 | 6 | 04 | 8 | O06.5X1.5 | 27.5 | 2 | 19 |
| 20411-14-06 | M14X1.5 | 10 | 06 | 8 | O06.5X1.5 | 27.5 | 2 | 19 |
| 20411-16-04 | M16X1.5 | 6 | 04 | 10 | O08.0X1.5 | 28 | 2 | 22 |
| 20411-16-05 | M16X1.5 | 8 | 05 | 10 | O08.0X1.5 | 28 | 2 | 22 |
| 20411-16-06 | M16X1.5 | 10 | 06 | 10 | O08.0X1.5 | 28 | 2 | 22 |
| 20411-18-05T | M18X1.5 | 8 | 05 | 12 | O10.0X1.5 | 24.5 | 1.5 | 22 |
| 20411-18-06 | M18X1.5 | 10 | 06 | 12 | O10.0X1.5 | 29 | 2.5 | 24 |
| 20411-18-08 | M18X1.5 | 12 | 08 | 12 | O10.0X1.5 | 29.5 | 2.5 | 24 |
| 20411-22-05T | M22X1.5 | 8 | 05 | 15 | O12.0X2.0 | 26.5 | 3 | 27 |
| 20411-22-06T | M22X1.5 | 10 | 06 | 15 | O12.0X2.0 | 26.5 | 3 | 27 |
| 20411-22-08 | M22X1.5 | 12 | 08 | 15 | O12.0X2.0 | 32 | 2.5 | 27 |
| 20411-26-10 | M26X1.5 | 16 | 10 | 18 | O15.0X2.0 | 34.5 | 2.5 | 32 |
| 20411-26-12 | M26X1.5 | 20 | 12 | 18 | O15.0X2.0 | 35 | 2.5 | 32 |
| 20411-27-10T | M27X1.5 | 16 | 10 | 18 | O15.0X2.0 | 35 | 2.1 | 32 |
| 20411-27-12 | M27X1.5 | 20 | 12 | 18 | O15.0X2.0 | 35 | 2.5 | 32 |
| 20411-30-10T | M30X2 | 16 | 10 | 22 | O20.0X2.0 | 31 | 3.8 | 36 |
| 20411-30-12 | M30X2 | 20 | 12 | 22 | O20.0X2.0 | 39 | 4 | 36 |
| 20411-36-12T | M36X2 | 20 | 12 | 28 | O26.0X2.0 | 33 | 4.5 | 46 |
| 20411-36-14T | M36X2 | 22 | 14 | 28 | O26.0X2.0 | 33 | 4.5 | 46 |
| 20411-45-16T | M45X2 | 25 | 16 | 35 | O32.0X2.5 | 37 | 4 | 55 |
| 20411-45-20T | M45X2 | 32 | 20 | 35 | O32.0X2.5 | 37.5 | 4 | 55 |
| 20411-52-20T | M52X2 | 32 | 20 | 42 | O38.0X2.5 | 38.5 | 4 | 60 |
| 20411-52-24T | M52X2 | 40 | 24 | 42 | O38.0X2.5 | 38.5 | 4 | 60 |

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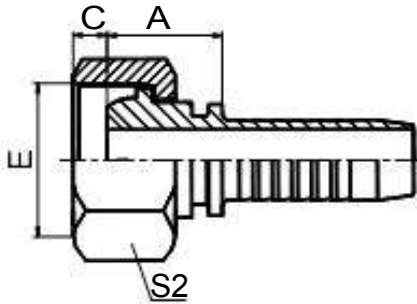
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20412-xx-xx

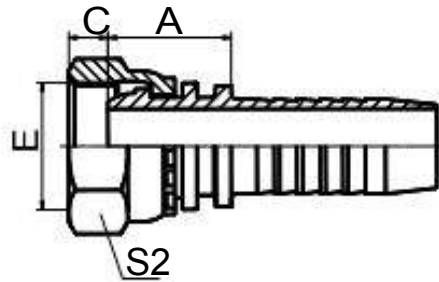
Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 20412-xx-xx.

SWAGED HOSE FITTING



20411C



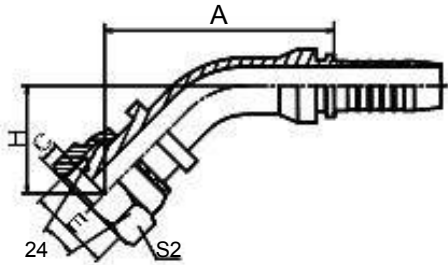
20411C-T

24

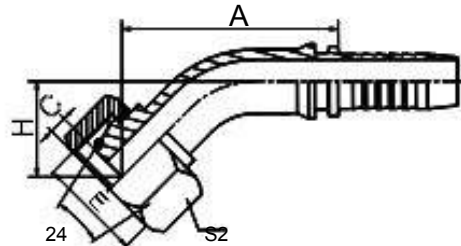
METRIC FEMALE MULTISEAL L.T.

| PART NO. | E | | HOSE BORE | | | DIMENSIONS | | |
|--|---------|---|-----------|------|-----------|------------|-----|----|
| | THREAD | E | DN | DASH | TUBE O.D. | A | C | S1 |
| 20411C-12-04 | M12X1.5 | | 6 | 04 | 6 | 19.5 | 3.5 | 17 |
| 20411C-14-04 | M14X1.5 | | 6 | 04 | 8 | 20.5 | 3.5 | 19 |
| 20411C-16-04 | M16X1.5 | | 6 | 04 | 10 | 21 | 3.5 | 22 |
| 20411C-16-05 | M16X1.5 | | 8 | 05 | 10 | 21 | 3.5 | 22 |
| 20411C-16-06 | M16X1.5 | | 10 | 06 | 10 | 21 | 3.5 | 22 |
| 20411C-18-06 | M18X1.5 | | 10 | 06 | 12 | 22.5 | 3 | 24 |
| 20411C-22-06T | M22X1.5 | | 10 | 06 | 15 | 23.5 | 4.5 | 27 |
| 20411C-22-08 | M22X1.5 | | 12 | 08 | 15 | 24 | 4.5 | 27 |
| 20411C-26-10 | M26X1.5 | | 16 | 10 | 18 | 27 | 4 | 32 |
| 20411C-30-10T | M30X2 | | 16 | 10 | 22 | 26.5 | 7 | 36 |
| 20411C-30-12 | M30X2 | | 20 | 12 | 22 | 27 | 7 | 36 |
| 20411C-30-14 | M30X2 | | 22 | 14 | 22 | 27 | 7 | 36 |
| 20411C-36-16 | M36X2 | | 25 | 16 | 28 | 29 | 6.5 | 41 |
| 20411C-45-20T | M45X2 | | 32 | 20 | 35 | 33 | 7 | 55 |
| 20411C-52-24T | M52X2 | | 40 | 24 | 42 | 34 | 8 | 60 |
| 1. 20412C-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20412C-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING



20441

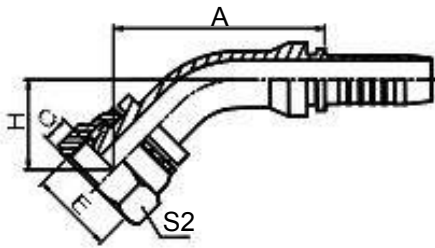


20441-T

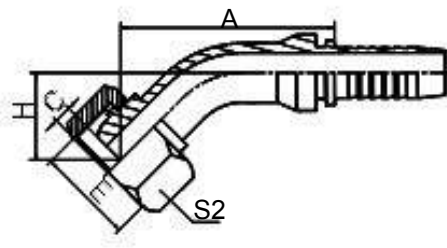
45 24 O
45METRIC FEMALE 24CONE O-RING L.T.
ISO 12151-2DIN 3865

| PART NO. | E | HOSE BORE | | | O | DIMENSIONS | | | |
|--|----------|-----------|------|-----------|-----------|------------|-----|------|----|
| | THREAD E | DN | DASH | TUBE O.D. | O RING | A | C | H | S2 |
| 20441-14-04 | M14X1.5 | 6 | 04 | 8 | O06.5X1.5 | 49 | 2 | 27 | 19 |
| 20441-16-05 | M16X1.5 | 8 | 05 | 10 | O08.0X1.5 | 51.5 | 2 | 28.2 | 22 |
| 20441-16-06 | M16X1.5 | 10 | 06 | 10 | O08.0X1.5 | 53.4 | 2 | 29.2 | 22 |
| 20441-18-05T | M18X1.5 | 8 | 05 | 12 | O10.0X1.5 | 46.6 | 1.5 | 23.2 | 22 |
| 20441-18-06 | M18X1.5 | 10 | 06 | 12 | O10.0X1.5 | 54.2 | 2.5 | 29.9 | 24 |
| 20441-22-05T | M22X1.5 | 8 | 05 | 15 | O12.0X2.0 | 46.5 | 3 | 23.2 | 27 |
| 20441-22-06T | M22X1.5 | 10 | 06 | 15 | O12.0X2.0 | 48.5 | 3 | 24.2 | 27 |
| 20441-22-08 | M22X1.5 | 12 | 08 | 15 | O12.0X2.0 | 68.1 | 2.5 | 33.2 | 27 |
| 20441-26-08T | M26X1.5 | 12 | 08 | 18 | O15.0X2.0 | 60.6 | 2.1 | 25.7 | 32 |
| 20441-26-10 | M26X1.5 | 16 | 10 | 18 | O15.0X2.0 | 80.7 | 2.5 | 35.9 | 32 |
| 20441-26-12 | M26X1.5 | 20 | 12 | 18 | O15.0X2.0 | 86.9 | 2.5 | 39.5 | 32 |
| 20441-27-10T | M27X1.5 | 16 | 10 | 18 | O15.0X2.0 | 72 | 2.1 | 27.7 | 32 |
| 20441-27-12 | M27X1.5 | 20 | 12 | 18 | O15.0X2.0 | 86.9 | 2.5 | 39.5 | 32 |
| 20441-30-10T | M30X2 | 16 | 10 | 22 | O20.0X2.0 | 73.5 | 3.8 | 28.6 | 36 |
| 20441-30-12 | M30X2 | 20 | 12 | 22 | O20.0X2.0 | 89.1 | 4 | 41.7 | 36 |
| 20441-36-12T | M36X2 | 20 | 12 | 28 | O26.0X2.0 | 79.5 | 4.5 | 32.1 | 46 |
| 20441-36-14T | M36X2 | 22 | 14 | 28 | O26.0X2.0 | 81.9 | 4.5 | 31.6 | 46 |
| 20441-45-20T | M45X2 | 32 | 20 | 35 | O32.0X2.5 | 99.8 | 4 | 39.1 | 55 |
| 20441-52-20T | M52X2 | 32 | 20 | 42 | O38.0X2.5 | 102 | 4 | 39.8 | 60 |
| 20441-52-24T | M52X2 | 40 | 24 | 42 | O38.0X2.5 | 114.5 | 4 | 43.7 | 60 |
| 1. 20442-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20442-xx-xx. | | | | | | | | | |

HOSE FITTING



20441C

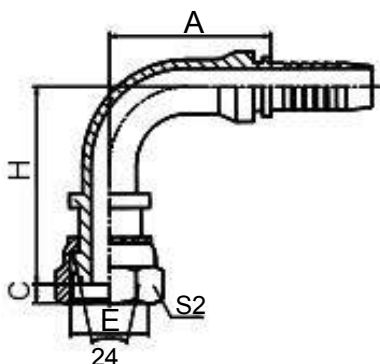


20441C-T

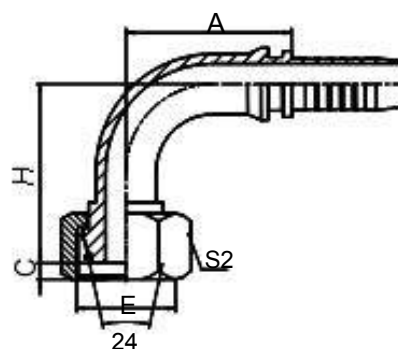
45 24 DIN 3868
45°METRIC FEMALE MULTISEAL L.T.DIN 3868

| PART NO. | E THREAD E | HOSE BORE | | TUBE O.D. | DIMENSIONS | | | |
|--|---------------|-----------|------|-----------|------------|-----|------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20441C-14-04 | M14X1.5 | 6 | 04 | 8 | 44 | 3.5 | 22 | 19 |
| 20441C-16-04 | M16X1.5 | 6 | 04 | 10 | 44.8 | 3.5 | 22.7 | 22 |
| 20441C-16-05 | M16X1.5 | 8 | 05 | 10 | 46.6 | 3.5 | 23.2 | 22 |
| 20441C-16-06 | M16X1.5 | 10 | 06 | 10 | 48.2 | 3.5 | 23.9 | 22 |
| 20441C-18-06 | M18X1.5 | 10 | 06 | 12 | 50 | 3 | 25.7 | 24 |
| 20441C-22-06T | M22X1.5 | 10 | 06 | 15 | 50.8 | 4.5 | 26 | 27 |
| 20441C-22-08 | M22X1.5 | 12 | 08 | 15 | 62.8 | 4.5 | 27.9 | 27 |
| 20441C-26-10 | M26X1.5 | 16 | 10 | 18 | 75.1 | 4 | 30.6 | 32 |
| 20441C-30-10T | M30X2 | 16 | 10 | 22 | 74.7 | 7 | 29.9 | 36 |
| 20441C-30-12 | M30X2 | 20 | 12 | 22 | 82 | 7 | 33.5 | 36 |
| 20441C-30-14 | M30X2 | 22 | 14 | 22 | 83.8 | 7 | 33.3 | 36 |
| 20441C-36-12T | M36X2 | 20 | 12 | 28 | 80.2 | 6.5 | 32.8 | 41 |
| 20441C-36-16 | M36X2 | 25 | 16 | 28 | 89.6 | 6.5 | 35.7 | 41 |
| 20441C-36-18 | M36X2 | 28 | 18 | 28 | 96.5 | 6.5 | 39.4 | 41 |
| 20441C-45-20T | M45X2 | 32 | 20 | 35 | 102.3 | 7 | 41.5 | 55 |
| 20441C-52-24T | M52X2 | 40 | 24 | 42 | 116.9 | 8 | 46.2 | 60 |
| <div> <div>1.</div> <div>2.</div> </div> <div> <div>20442C-xx-xx</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 20442C-xx-xx.</div> </div> | | | | | | | | |

SWAGED HOSE FITTING



20491



20491-T

90 24 O
90METRIC FEMALE 24CONE O-RING L.T.
ISO 12151-2--DIN 3865

| PART NO. | E | HOSE BORE | | TUBE O.D. | O | DIMENSIONS | | | |
|--------------|----------|-----------|------|-----------|-----------|------------|-----|-------|----|
| | THREAD E | DN | DASH | | O RING | A | C | H | S2 |
| 20491-12-03 | M12X1.5 | 5 | 03 | 6 | O04.5X1.5 | 26.5 | 1 | 35 | 17 |
| 20491-12-04 | M12X1.5 | 6 | 04 | 6 | O04.5X1.5 | 30 | 1 | 44.5 | 17 |
| 20491-14-04 | M14X1.5 | 6 | 04 | 8 | O06.5X1.5 | 30 | 2 | 38 | 19 |
| 20491-16-04 | M16X1.5 | 6 | 04 | 10 | O08.0X1.5 | 30 | 2 | 39 | 22 |
| 20491-16-05 | M16X1.5 | 8 | 05 | 10 | O08.0X1.5 | 33 | 2 | 42 | 22 |
| 20491-16-06 | M16X1.5 | 10 | 06 | 10 | O08.0X1.5 | 35.3 | 2 | 51.8 | 22 |
| 20491-18-05T | M18X1.5 | 8 | 05 | 12 | O10.0X1.5 | 33 | 1.5 | 42.5 | 22 |
| 20491-18-06 | M18X1.5 | 10 | 06 | 12 | O10.0X1.5 | 35.3 | 2.5 | 44.3 | 24 |
| 20491-22-06T | M22X1.5 | 10 | 06 | 15 | O12.0X2.0 | 35.3 | 3 | 44.8 | 27 |
| 20491-22-08 | M22X1.5 | 12 | 08 | 15 | O12.0X2.0 | 41 | 2.5 | 52 | 27 |
| 20491-26-08T | M26X1.5 | 12 | 08 | 18 | O15.0X2.0 | 41 | 2.1 | 51 | 32 |
| 20491-26-10 | M26X1.5 | 16 | 10 | 18 | O15.0X2.0 | 56 | 2.5 | 58.5 | 32 |
| 20491-26-12 | M26X1.5 | 20 | 12 | 18 | O15.0X2.0 | 64.9 | 2.5 | 77 | 32 |
| 20491-27-10T | M27X1.5 | 16 | 10 | 18 | O15.0X2.0 | 56 | 2.1 | 54.9 | 32 |
| 20491-27-12 | M27X1.5 | 20 | 12 | 18 | O15.0X2.0 | 64.9 | 2.5 | 77 | 32 |
| 20491-30-10T | M30X2 | 16 | 10 | 22 | O20.0X2.0 | 56 | 3.8 | 57.2 | 36 |
| 20491-30-12 | M30X2 | 20 | 12 | 22 | O20.0X2.0 | 65.5 | 4 | 63 | 36 |
| 20491-36-12T | M36X2 | 20 | 12 | 28 | O26.0X2.0 | 65.5 | 4.5 | 66.5 | 46 |
| 20491-36-14T | M36X2 | 22 | 14 | 28 | O26.0X2.0 | 71.2 | 4.5 | 67.5 | 46 |
| 20491-45-16T | M45X2 | 25 | 16 | 35 | O32.0X2.5 | 76.7 | 4 | 75 | 55 |
| 20491-45-20T | M45X2 | 32 | 20 | 35 | O32.0X2.5 | 91.5 | 4 | 86 | 55 |
| 20491-52-20T | M52X2 | 32 | 20 | 42 | O38.0X2.5 | 93 | 4 | 87 | 60 |
| 20491-52-24T | M52X2 | 40 | 24 | 42 | O38.0X2.5 | 109.4 | 4 | 100.5 | 60 |

1.

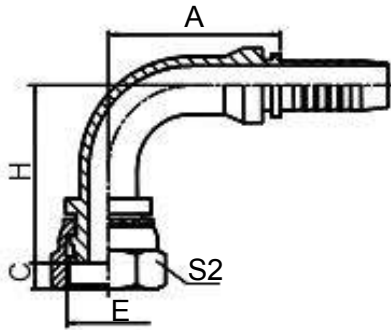
2.

20492-xx-xx

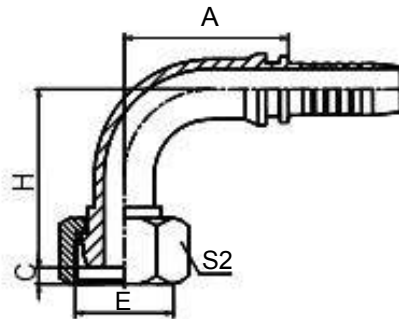
Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 20492-xx-xx.

HOSE FITTING



20491C

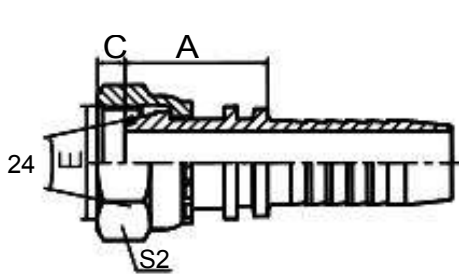


20491C-T

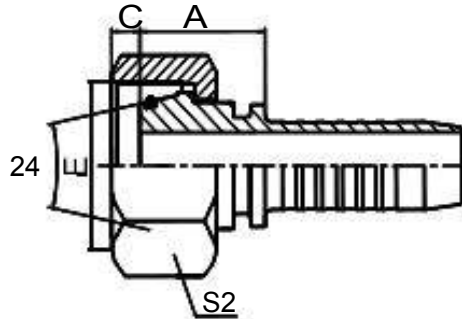
90 24 DIN 3868
90M ETRIC FEMALE 24M ULTISEAL L.T.DIN 3868

| PART NO. | E THREAD E | H OSE BORE | | TUBE O.D. | DIMENSIONS | | | |
|---|---------------|------------|------|-----------|------------|-----|-------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20491C-14-04 | M14X1.5 | 6 | 04 | 8 | 30 | 3.5 | 39.5 | 19 |
| 20491C-16-04 | M16X1.5 | 6 | 04 | 10 | 30 | 3.5 | 40 | 22 |
| 20491C-16-05 | M16X1.5 | 8 | 05 | 10 | 33 | 3.5 | 43 | 22 |
| 20491C-16-06 | M16X1.5 | 10 | 06 | 10 | 35.25 | 3.5 | 45.2 | 22 |
| 20491C-18-06 | M18X1.5 | 10 | 06 | 12 | 35.25 | 3 | 47.25 | 24 |
| 20491C-22-08 | M22X1.5 | 12 | 08 | 15 | 41 | 4.5 | 53 | 27 |
| 20491C-26-10 | M26X1.5 | 16 | 10 | 18 | 56.5 | 4 | 60 | 32 |
| 20491C-30-12 | M30X2 | 20 | 12 | 22 | 65.5 | 7 | 68.5 | 36 |
| 20491C-36-12T | M36X2 | 20 | 12 | 28 | 65.5 | 6.5 | 67.5 | 41 |
| <div> <div>1.</div> <div>2.</div> </div> <div> <div>20492C-xx-xx</div> </div> | | | | | | | | |
| <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 20492C-xx-xx.</div> | | | | | | | | |

SWAGED HOSE FITTING



20511

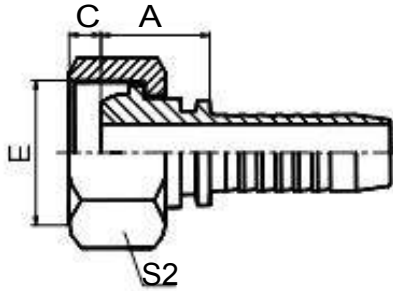


20511-T

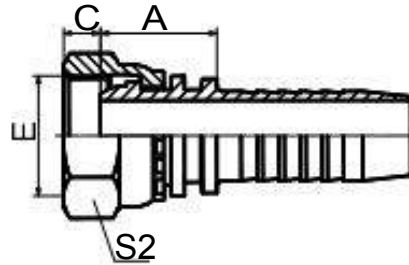
90 24 O
90METRIC FEMALE 24CONE O-RING
H.T.ISO 12151-2--DIN 3865

| PART NO. | E THREAD E | HOSE BORE | | | O O RING | DIMENSIONS | | |
|--|---------------|----------------|------|-----------|-------------|------------|-----|----|
| | | DN | DASH | TUBE O.D. | A | C | S2 | |
| 20511-14-04 | M16X1.5 | 6 | 04 | 6 | O04.5X1.5 | 29 | 1.5 | 19 |
| 20511-16-04 | M16X1.5 | 6 | 04 | 8 | O06.5X1.5 | 29 | 1.5 | 22 |
| 20511-16-05 | M16X1.5 | 8 | 05 | 8 | O06.5X1.5 | 29 | 1.5 | 22 |
| 20511-18-04T | M18X1.5 | 6 | 04 | 10 | O08.0X1.5 | 25.5 | 1.5 | 22 |
| 20511-18-06 | M18X1.5 | 10 | 06 | 10 | O08.0X1.5 | 29 | 2 | 24 |
| 20511-20-06T | M20X1.5 | 10 | 06 | 12 | O10.0X1.5 | 26.5 | 2.5 | 24 |
| 20511-20-08 | M20X1.5 | 12 | 08 | 12 | O10.0X1.5 | 31.5 | 2.5 | 27 |
| 20511-22-06T | M22X1.5 | 10 | 06 | 14 | O11.0X2.0 | 26.5 | 3 | 27 |
| 20511-22-08 | M22X1.5 | 12 | 08 | 14 | O11.0X2.0 | 31.5 | 2.5 | 27 |
| 20511-24-06T | M24X1.5 | 10 | 06 | 16 | O13.0X2.0 | 27 | 3 | 30 |
| 20511-24-08T | M24X1.5 | 12 | 08 | 16 | O13.0X2.0 | 27.5 | 3 | 30 |
| 20511-30-10T | M30X2 | 16 | 10 | 20 | O16.3X2.4 | 33 | 2.5 | 36 |
| 20511-30-12 | M30X2 | 20 | 12 | 20 | O16.3X2.4 | 39 | 3 | 36 |
| 20511-36-12T | M36X2 | 20 | 12 | 25 | O20.3X2.4 | 35 | 3.2 | 46 |
| 20511-36-14T | M36X2 | 22 | 14 | 25 | O20.3X2.4 | 34 | 3.2 | 46 |
| 20511-42-12T | M42X2 | 20 | 12 | 30 | O25.3X2.4 | 37.5 | 3.9 | 50 |
| 20511-42-16T | M42X2 | 25 | 16 | 30 | O25.3X2.4 | 38.5 | 3.9 | 50 |
| 20511-52-20T | M52X2 | 32 | 20 | 38 | O33.3X2.4 | 41.5 | 4.5 | 60 |
| 20511-52-24T | M52X2 | 40 | 24 | 38 | O33.3X2.4 | 41.5 | 4.5 | 60 |
| 1. | | 2. 20512-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20512-xx-xx. | | | | | | | | |

HOSE FITTING



20511C



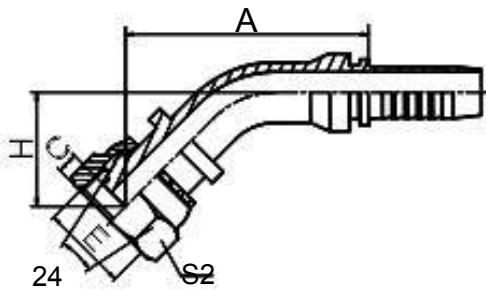
20511C-T

24

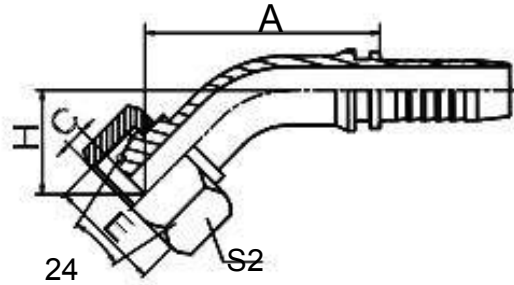
METRIC FEMALE 24?MULTISEAL H.T.DIN3868

| PART NO. | E THREAD E | HOSE BORE | | TUBE O.D. | DIMENSIONS | | |
|---|---------------|-----------|------|-----------|------------|-----|----|
| | | DN | DASH | | A | C | S2 |
| 20511C-18-04T | M18X1.5 | 6 | 04 | 10 | 21 | 3 | 22 |
| 20511C-20-05T | M20X1.5 | 8 | 05 | 12 | 21.5 | 4.5 | 24 |
| 20511C-20-06T | M20X1.5 | 10 | 06 | 12 | 21.5 | 4.5 | 24 |
| 20511C-22-06T | M22X1.5 | 10 | 06 | 14 | 21.5 | 4.5 | 27 |
| 20511C-24-08T | M24X1.5 | 12 | 08 | 16 | 23 | 5 | 30 |
| 20511C-30-10T | M30X2 | 16 | 10 | 20 | 26.5 | 7 | 36 |
| 20511C-36-12T | M36X2 | 20 | 12 | 25 | 27 | 6.5 | 41 |
| 20511C-42-16T | M42X2 | 25 | 16 | 30 | 29.5 | 9 | 50 |
| 20511C-52-20T | M52X2 | 32 | 20 | 38 | 34 | 8 | 60 |
| <div>1.</div> <div>2.</div> <div>20512C-xx-xx</div> | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20512C-xx-xx. | | | | | | | |

SWAGED HOSE FITTING



20541

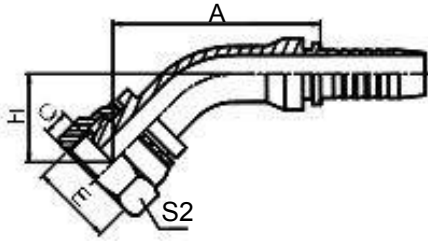


20541-T

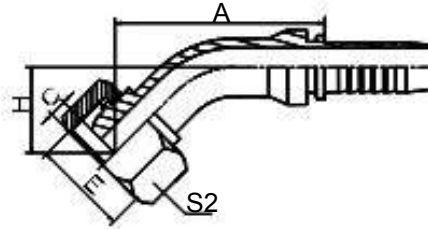
45 24 O
45METRIC FEMALE 24CONE O-RING H.T.
ISO 12151-2--DIN 3865

| PART NO. | E | | HOSE BORE | | O | | DIMENSIONS | | | |
|--|----------|----|-----------|-----------|-----------|-------|------------|------|----|--|
| | THREAD E | DN | DASH | TUBE O.D. | O RING | A | C | H | S2 | |
| 20541-14-04 | M16X1.5 | 6 | 04 | 6 | O04.5X1.5 | 43.4 | 1.5 | 21.3 | 19 | |
| 20541-16-04 | M16X1.5 | 6 | 04 | 8 | O06.5X1.5 | 44.4 | 1.5 | 22.3 | 22 | |
| 20541-16-05 | M16X1.5 | 8 | 05 | 8 | O06.5X1.5 | 46.6 | 1.5 | 23.2 | 22 | |
| 20541-18-04T | M18X1.5 | 6 | 04 | 10 | O08.0X1.5 | 43.7 | 1.5 | 21.6 | 22 | |
| 20541-18-06 | M18X1.5 | 10 | 06 | 10 | O08.0X1.5 | 48.1 | 2 | 23.9 | 24 | |
| 20541-20-06T | M20X1.5 | 10 | 06 | 12 | O10.0X1.5 | 47.8 | 2.5 | 23.5 | 24 | |
| 20541-20-08 | M20X1.5 | 12 | 08 | 12 | O10.0X1.5 | 68.1 | 2.5 | 33.2 | 27 | |
| 20541-22-06T | M22X1.5 | 10 | 06 | 14 | O11.0X2.0 | 48.1 | 3 | 23.9 | 27 | |
| 20541-22-08 | M22X1.5 | 12 | 08 | 14 | O11.0X2.0 | 68.1 | 2.5 | 33.2 | 27 | |
| 20541-24-08T | M24X1.5 | 12 | 08 | 16 | O13.0X2.0 | 62.5 | 3 | 27.5 | 30 | |
| 20541-30-10T | M30X2 | 16 | 10 | 20 | O16.3X2.4 | 73.5 | 2.5 | 29.2 | 36 | |
| 20541-30-12 | M30X2 | 20 | 12 | 20 | O16.3X2.4 | 77.2 | 3 | 30.3 | 36 | |
| 20541-36-12T | M36X2 | 20 | 12 | 25 | O20.3X2.4 | 81.1 | 3.2 | 33 | 46 | |
| 20541-36-14T | M36X2 | 22 | 14 | 25 | O20.3X2.4 | 82.8 | 3.2 | 32.5 | 46 | |
| 20541-42-16T | M42X2 | 25 | 16 | 30 | O25.3X2.4 | 90.6 | 3.9 | 35.1 | 50 | |
| 20541-52-20T | M52X2 | 32 | 20 | 38 | O33.3X2.4 | 101.7 | 4.5 | 39.4 | 60 | |
| 20541-52-24T | M52X2 | 40 | 24 | 38 | O33.3X2.4 | 114.1 | 4.5 | 43.4 | 60 | |
| 1. 20542-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20542-xx-xx. | | | | | | | | | | |

HOSE FITTING



20541C

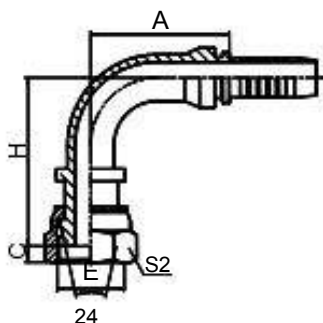


20541C-T

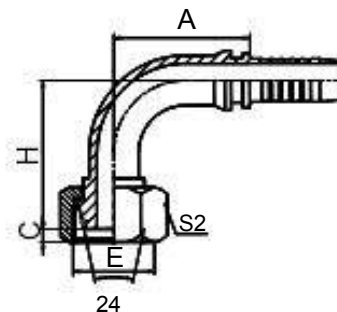
45 24 DIN 3868
45METRIC FEMALE MULTISEAL H.T.DIN 3868

| E | | HOSE BORE | | | | DIMENSIONS | | | |
|---|----------|-----------|--------------|-----------|--|------------|-----|------|----|
| PART NO. | THREAD E | DN | DASH | TUBE O.D. | | A | C | H | S2 |
| 20541C-16-04 | M16X1.5 | 6 | 04 | 8 | | 44.8 | 3 | 22.7 | 19 |
| 20541C-18-04T | M18X1.5 | 6 | 04 | 10 | | 43.7 | 3 | 21.6 | 22 |
| 20541C-20-06T | M20X1.5 | 10 | 06 | 12 | | 48.9 | 4.5 | 24.6 | 24 |
| 20541C-24-08T | M24X1.5 | 12 | 08 | 16 | | 61.4 | 2.5 | 26.5 | 30 |
| 1. | 2. | | 20542C-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20542C-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING



20591

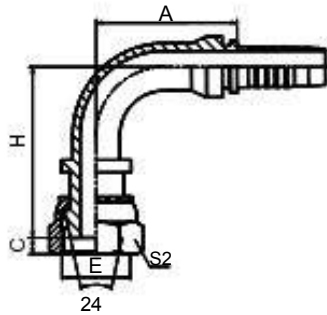


20591-T

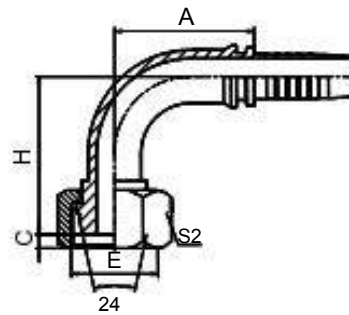
90240
90METRIC FEMALE 24CONE O-RING H.T.
ISO 12151-2DIN 3865

| PART NO. | E | HOSE BORE | | | O | DIMENSIONS | | | |
|--|----------|-----------|------|-----------|-----------|------------|-----|------|----|
| | THREAD E | DN | DASH | TUBE O.D. | O RING | A | C | H | S2 |
| 20591-14-04 | M16X1.5 | 6 | 04 | 6 | O04.5X1.5 | 30 | 1.5 | 39.5 | 19 |
| 20591-16-04 | M16X1.5 | 6 | 04 | 8 | O06.5X1.5 | 30 | 1.5 | 39.5 | 22 |
| 20591-16-05 | M16X1.5 | 8 | 05 | 8 | O06.5X1.5 | 33 | 1.5 | 42.5 | 22 |
| 20591-18-05T | M18X1.5 | 8 | 05 | 10 | O08.0X1.5 | 33 | 1.5 | 41.5 | 22 |
| 20591-18-06 | M18X1.5 | 10 | 06 | 10 | O08.0X1.5 | 35.3 | 2 | 45.8 | 24 |
| 20591-20-06T | M20X1.5 | 10 | 06 | 12 | O10.0X1.5 | 35.3 | 2.5 | 44.3 | 24 |
| 20591-20-08 | M20X1.5 | 12 | 08 | 12 | O10.0X1.5 | 41 | 2.5 | 61 | 27 |
| 20591-22-06T | M22X1.5 | 10 | 06 | 14 | O11.0X2.0 | 35.3 | 3 | 44.8 | 27 |
| 20591-22-08 | M22X1.5 | 12 | 08 | 14 | O11.0X2.0 | 41 | 2.5 | 53 | 27 |
| 20591-24-08T | M24X1.5 | 12 | 08 | 16 | O13.0X2.0 | 41 | 3 | 50.5 | 30 |
| 20591-24-10 | M24X1.5 | 16 | 10 | 16 | O13.0X2.0 | 56.5 | 2.5 | 56.5 | 30 |
| 20591-30-10T | M30X2 | 16 | 10 | 20 | O16.3X2.4 | 56 | 2.5 | 58 | 36 |
| 20591-30-12 | M30X2 | 20 | 12 | 20 | O16.3X2.4 | 64.9 | 3 | 64 | 36 |
| 20591-36-12T | M36X2 | 20 | 12 | 25 | O20.3X2.4 | 66.2 | 3.2 | 67.8 | 46 |
| 20591-36-14T | M36X2 | 22 | 14 | 25 | O20.3X2.4 | 71.2 | 3.2 | 68.8 | 46 |
| 20591-42-16T | M42X2 | 25 | 16 | 30 | O25.3X2.4 | 78 | 3.9 | 75.1 | 50 |
| 20591-52-20T | M52X2 | 32 | 20 | 38 | O33.3X2.4 | 93 | 4.5 | 86.5 | 60 |
| 20591-52-24T | M52X2 | 40 | 24 | 38 | O33.3X2.4 | 109.4 | 4.5 | 100 | 60 |
| 1. 20592-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20592-xx-xx. | | | | | | | | | |

HOSE FITTING



20591C

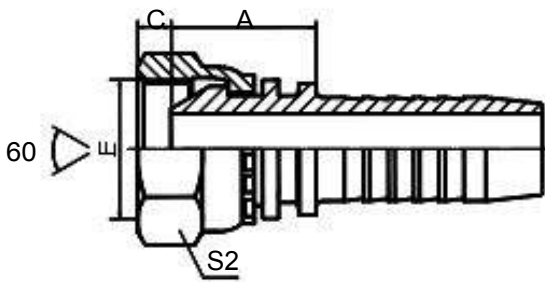


20591C-T

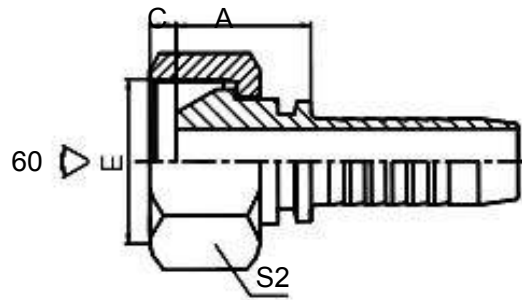
90 24 DIN3868
90METRIC FEMALE MULTISEAL H.T.DIN3868

| PART NO. | E THREAD E | HOSE BORE | | TUBE O.D. | DIMENSIONS | | | | |
|--|---------------|-----------|------|-----------|------------|-----|------|----|--|
| | | DN | DASH | | A | C | H | S2 | |
| 20591C-16-04 | M16X1.5 | 6 | 04 | 8 | 30 | 3 | 40 | 22 | |
| 20591C-18-04T | M18X1.5 | 6 | 04 | 10 | 30 | 3 | 38.5 | 22 | |
| 20591C-20-05T | M20X1.5 | 8 | 05 | 12 | 33 | 4.5 | 42 | 24 | |
| 20591C-20-06T | M20X1.5 | 10 | 06 | 12 | 35.3 | 4.5 | 45.7 | 24 | |
| 20591C-22-06T | M22X1.5 | 10 | 06 | 14 | 35.3 | 4.5 | 44.7 | 27 | |
| 20591C-24-08T | M24X1.5 | 12 | 08 | 16 | 41 | 5 | 52 | 30 | |
| 20591C-30-10T | M30X2 | 16 | 10 | 20 | 56.5 | 7 | 56.5 | 36 | |
| 20591C-36-12T | M36X2 | 20 | 12 | 25 | 65.5 | 6.5 | 66.5 | 41 | |
| 20591C-42-16T | M42X2 | 25 | 16 | 30 | 78 | 9 | 73.5 | 50 | |
| 20591C-52-20T | M52X2 | 32 | 20 | 38 | 93 | 8 | 87.5 | 60 | |
| 1. 20592C-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20592C-xx-xx. | | | | | | | | | |

HOSE FITTING



20611



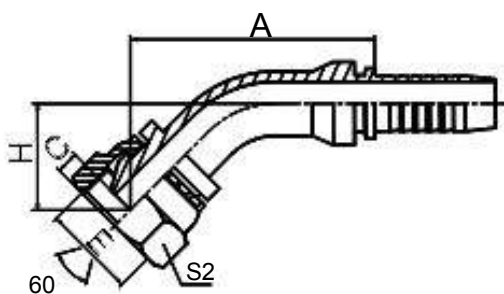
20611-T

60

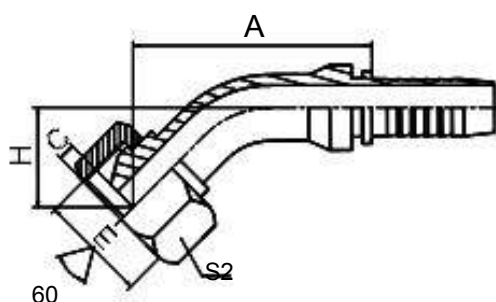
METRIC FEMALE 60CONE

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | |
|---|---------------|-----------|------|--|------------|-----|----|
| | | DN | DASH | | A | C | S2 |
| 20611-14-04 | M14X1.5 | 6 | 04 | | 18 | 5.5 | 19 |
| 20611-16-05 | M16X1.5 | 8 | 05 | | 19 | 5.5 | 22 |
| 20611-16-06 | M16X1.5 | 10 | 06 | | 19 | 5.5 | 22 |
| 20611-18-06 | M18X1.5 | 10 | 06 | | 20 | 5.5 | 24 |
| 20611-20-08 | M20X1.5 | 12 | 08 | | 22 | 6.5 | 27 |
| 20611-22-08 | M22X1.5 | 12 | 08 | | 22.5 | 6 | 27 |
| 20611-24-10 | M24X1.5 | 16 | 10 | | 24.5 | 6.5 | 30 |
| 20611-26-10 | M26X1.5 | 16 | 10 | | 25.5 | 6 | 32 |
| 20611-27-10DT | M27X1.5 | 16 | 10 | | 25.5 | 6 | 32 |
| 20611-27-10T | M27X2 | 16 | 10 | | 25.5 | 6 | 32 |
| 20611-30-10D | M30X1.5 | 16 | 10 | | 26.5 | 6 | 36 |
| 20611-30-12D | M30X1.5 | 20 | 12 | | 26.5 | 6 | 36 |
| 20611-30-12 | M30X2 | 20 | 12 | | 26.5 | 6 | 36 |
| 20611-36-16 | M36X2 | 25 | 16 | | 30 | 6.5 | 41 |
| 20611-39-16T | M39X2 | 25 | 16 | | 30 | 6.5 | 46 |
| 20611-45-20T | M45X2 | 32 | 20 | | 31 | 8.5 | 55 |
| 20611-52-24T | M52X2 | 40 | 24 | | 32 | 10 | 60 |
| <div>1.</div> <div>2.</div> <div>20612-xx-xx</div> | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20612-xx-xx. | | | | | | | |

HOSE FITTING



20641



20641-T

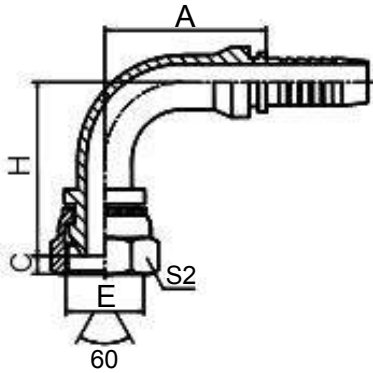
45METRIC FEMALE 60CONE

45

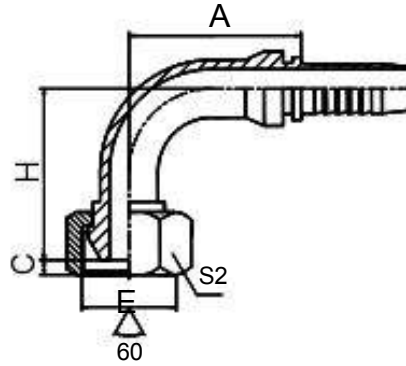
60

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--|----------------|-----------|------|--|------------|-----|------|----|
| | | DN | DASH | | A | C | H | S2 |
| 20641-14-04 | M14X1.5 | 6 | 04 | | 42.7 | 5.5 | 20.6 | 19 |
| 20641-16-05 | M16X1.5 | 8 | 05 | | 45.1 | 5.5 | 21.8 | 22 |
| 20641-18-06 | M18X1.5 | 10 | 06 | | 47.4 | 5.5 | 23.2 | 24 |
| 20641-22-08 | M22X1.5 | 12 | 08 | | 61.8 | 6 | 26.8 | 27 |
| 20641-27-10DT | M27X1.5 | 16 | 10 | | 71.4 | 6 | 27.1 | 32 |
| 20641-30-12D | M30X1.5 | 20 | 12 | | 81.6 | 6 | 33.5 | 36 |
| 20641-36-14T | M36X2 | 22 | 14 | | 81.9 | 6.5 | 31.6 | 41 |
| 20641-39-16T | M39X2 | 25 | 16 | | 88.5 | 6.5 | 34.3 | 46 |
| 20641-45-20T | M45X2 | 32 | 20 | | 99.1 | 8.5 | 38.4 | 55 |
| 20641-52-24T | M52X2 | 40 | 24 | | 113.4 | 10 | 42.7 | 60 |
| 1. | 2. 20642-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20642-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING



20691

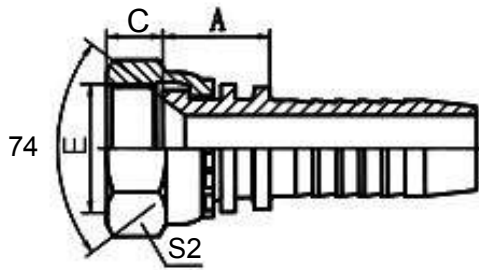


20691-T

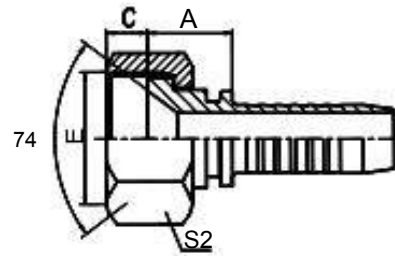
90 60
90METRIC FEMALE 60CONE

| PART NO. | E | HOSE BORE | | DIMENSIONS | | | | |
|--|----------|-----------|------|------------|-----|------|----|--|
| | THREAD E | DN | DASH | A | C | H | S2 | |
| 20691-14-04 | M14X1.5 | 6 | 04 | 30 | 5.5 | 37 | 19 | |
| 20691-16-05 | M16X1.5 | 8 | 05 | 33 | 5.5 | 40.5 | 22 | |
| 20691-18-06 | M18X1.5 | 10 | 06 | 35.3 | 5.5 | 43.8 | 24 | |
| 20691-22-08 | M22X1.5 | 12 | 08 | 41 | 6 | 52 | 27 | |
| 20691-27-10DT | M27X1.5 | 16 | 10 | 56 | 6 | 55 | 32 | |
| 20691-30-12D | M30X1.5 | 20 | 12 | 66.2 | 6 | 68.5 | 36 | |
| 20691-36-16 | M36X2 | 25 | 16 | 78 | 6.5 | 76.5 | 41 | |
| 20691-36-14T | M36X2 | 22 | 14 | 71.2 | 6.5 | 67.5 | 41 | |
| 20691-39-16T | M39X2 | 25 | 16 | 76.7 | 6.5 | 74 | 46 | |
| 20691-45-20T | M45X2 | 32 | 20 | 91.5 | 8.5 | 85 | 55 | |
| 20691-52-24T | M52X2 | 40 | 24 | 109.4 | 10 | 99 | 60 | |
| 1. 20692-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20692-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING



20711



20711-T

74

GB METRIC FEMALE 74° CONE SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--------------|----------|----|-----------|------|------------|-----|----|
| | THREAD | E | DN | DASH | A | C | S2 |
| 20711-10-02 | M10X1 | 4 | 02 | | 14 | 7.5 | 14 |
| 20711-12-03C | M12X1.25 | 5 | 03 | | 14 | 9 | 17 |
| 20711-12-03 | M12X1.5 | 5 | 03 | | 14 | 10 | 17 |
| 20711-12-04 | M12X1.5 | 6 | 04 | | 14.5 | 10 | 17 |
| 20711-14-04 | M14X1.5 | 6 | 04 | | 15.5 | 8.5 | 19 |
| 20711-14-05 | M14X1.5 | 8 | 05 | | 15.5 | 8.5 | 19 |
| 20711-14-06 | M14X1.5 | 10 | 06 | | 15.5 | 8.5 | 19 |
| 20711-16-04 | M16X1.5 | 6 | 04 | | 16.5 | 8 | 22 |
| 20711-16-05 | M16X1.5 | 8 | 05 | | 16.5 | 8 | 22 |
| 20711-16-06 | M16X1.5 | 10 | 06 | | 16 | 8 | 22 |
| 20711-18-05T | M18X1.5 | 8 | 05 | | 16 | 8 | 22 |
| 20711-18-06 | M18X1.5 | 10 | 06 | | 17.5 | 10 | 24 |
| 20711-20-06T | M20X1.5 | 10 | 06 | | 16 | 10 | 24 |
| 20711-20-08 | M20X1.5 | 12 | 08 | | 18.5 | 10 | 27 |
| 20711-22-06T | M22X1.5 | 10 | 06 | | 16 | 10 | 27 |
| 20711-22-08 | M22X1.5 | 12 | 08 | | 18.5 | 10 | 27 |
| 20711-22-10 | M22X1.5 | 16 | 10 | | 19 | 10 | 27 |
| 20711-24-08T | M24X1.5 | 12 | 08 | | 16.5 | 11 | 30 |
| 20711-27-08T | M27X1.5 | 12 | 08 | | 18.5 | 11 | 32 |
| 20711-27-10T | M27X1.5 | 16 | 10 | | 19.5 | 11 | 32 |
| 20711-27-12 | M27X1.5 | 20 | 12 | | 21.5 | 11 | 32 |
| 20711-30-10T | M30X1.5 | 16 | 10 | | 18 | 11 | 36 |
| 20711-30-12 | M30X1.5 | 20 | 12 | | 21.5 | 11 | 36 |
| 20711-33-10T | M33X2 | 16 | 10 | | 19.5 | 13 | 41 |
| 20711-33-12T | M33X2 | 20 | 12 | | 20 | 13 | 41 |
| 20711-33-14 | M33X2 | 22 | 14 | | 21.5 | 13 | 41 |
| 20711-36-12T | M36X2 | 20 | 12 | | 20 | 14 | 41 |
| 20711-36-14T | M36X2 | 22 | 14 | | 20 | 14 | 41 |
| 20711-36-16 | M36X2 | 25 | 16 | | 23 | 14 | 41 |
| 20711-39-16T | M39X2 | 25 | 16 | | 23.5 | 14 | 46 |
| 20711-42-16T | M42X2 | 25 | 16 | | 23.5 | 15 | 50 |
| 20711-42-20 | M42X2 | 32 | 20 | | 26 | 15 | 50 |
| 20711-45-20T | M45X2 | 32 | 20 | | 25 | 15 | 55 |
| 20711-52-24T | M52X2 | 40 | 24 | | 25 | 17 | 60 |

1.

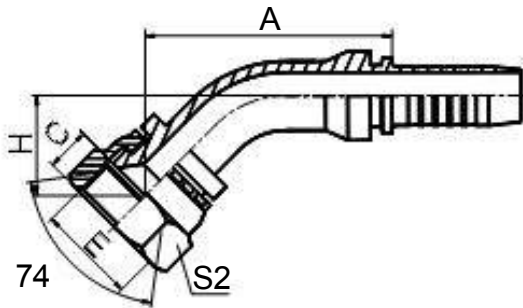
2.

20712-xx-xx

Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 20712-xx-xx.

SWAGED HOSE FITTING



20741

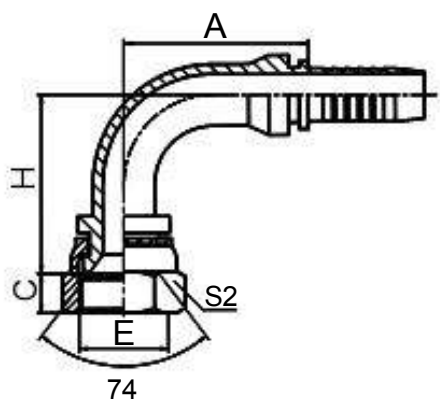
45

74

45GB METRIC FEMALE 74?CONE SEAT
REF. GB/T 9065.1

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|--|---------|---|-----------|------|------------|-----|------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 20741-14-04 | M14X1.5 | | 6 | 04 | 40.5 | 8.5 | 18.5 | 19 |
| 20741-16-05 | M16X1.5 | | 8 | 05 | 44.4 | 8 | 20 | 22 |
| 20741-18-06 | M18X1.5 | | 10 | 06 | 45.7 | 10 | 21.4 | 24 |
| 20741-22-08 | M22X1.5 | | 12 | 08 | 58.9 | 10 | 24 | 27 |
| 20741-27-10 | M27X1.5 | | 16 | 10 | 70.7 | 11 | 26.4 | 32 |
| 20741-30-12 | M30X1.5 | | 20 | 12 | 78.1 | 11 | 30 | 36 |
| 20741-33-12 | M33X2 | | 20 | 12 | 77.4 | 13 | 30 | 41 |
| 20741-33-16 | M33X2 | | 25 | 16 | 85 | 13 | 30.8 | 41 |
| 20741-36-14 | M36X2 | | 22 | 14 | 79.8 | 14 | 29.6 | 41 |
| 20741-36-16 | M36X2 | | 25 | 16 | 85.7 | 14 | 31.5 | 41 |
| 20741-39-16 | M39X2 | | 25 | 16 | 86.1 | 14 | 31.8 | 46 |
| 20741-45-20W | M45X2 | | 32 | 20 | 97 | 15 | 36.2 | 55 |
| 20741-52-24W | M52X2 | | 40 | 24 | 115.3 | 17 | 40.9 | 60 |
| 1. 20742-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20742-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

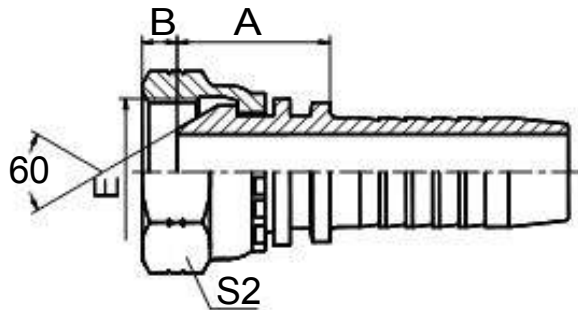


20791

90 74
90GB METRIC FEMALE 74?CONE SEAT
REF. GB/T 9065.1

| E | | HOSE BORE | | DIMENSIONS | | | |
|--|----------|-------------|------|------------|-----|------|----|
| PART NO. | THREAD E | DN | DASH | A | C | H | S2 |
| 20791-12-04C | M12X1.25 | 6 | 04 | 30 | 9 | 33.5 | 17 |
| 20791-12-04 | M12X1.5 | 6 | 04 | 30 | 10 | 33.5 | 17 |
| 20791-14-04 | M14X1.5 | 6 | 04 | 30 | 8.5 | 34 | 19 |
| 20791-16-04 | M16X1.5 | 6 | 04 | 30 | 8 | 35 | 22 |
| 20791-16-05 | M16X1.5 | 8 | 05 | 34 | 8 | 38 | 22 |
| 20791-18-06 | M18X1.5 | 10 | 06 | 35.3 | 10 | 41.3 | 24 |
| 20791-22-08 | M22X1.5 | 12 | 08 | 41 | 10 | 48 | 27 |
| 20791-22-10 | M22X1.5 | 16 | 10 | 56 | 10 | 52.5 | 27 |
| 20791-27-10 | M27X1.5 | 16 | 10 | 56 | 11 | 54 | 32 |
| 20791-30-12 | M30X1.5 | 20 | 12 | 66.2 | 11 | 63.5 | 36 |
| 20791-33-12 | M33X2 | 20 | 12 | 65.5 | 13 | 63.5 | 41 |
| 20791-33-16 | M33X2 | 25 | 16 | 76.7 | 13 | 69 | 41 |
| 20791-36-12 | M36X2 | 20 | 12 | 65.5 | 14 | 63.5 | 41 |
| 20791-36-14 | M36X2 | 22 | 14 | 71.2 | 14 | 64.5 | 41 |
| 20791-39-16 | M39X2 | 25 | 16 | 76.7 | 14 | 70.5 | 46 |
| 20791-45-20W | M45X2 | 32 | 20 | 91.5 | 15 | 83 | 55 |
| 20791-52-20W | M52X2 | 32 | 20 | 93 | 17 | 84.5 | 60 |
| 20791-52-24W | M52X2 | 40 | 24 | 110.7 | 17 | 96.5 | 60 |
| 1. | 2. | 20792-xx-xx | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20792-xx-xx. | | | | | | | |

SWAGED HOSE FITTING

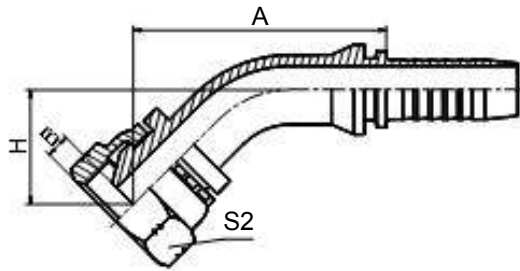


21611

NPSM 60
NPSM FEMALE 60CONE
SAE J514

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--|-------------|---|-----------|------|------------|------|----|
| | THREAD | E | DN | DASH | A | B | S2 |
| 21611-04-04 | 1/4"X18 | | 6 | 04 | 18 | 4.6 | 19 |
| 21611-04-06 | 1/4"X18 | | 10 | 06 | 19 | 4.6 | 19 |
| 21611-06-04 | 3/8"X18 | | 6 | 04 | 19 | 6 | 22 |
| 21611-06-05 | 3/8"X18 | | 8 | 05 | 19 | 6 | 22 |
| 21611-06-06 | 3/8"X18 | | 10 | 06 | 19 | 6 | 22 |
| 21611-08-08 | 1/2"X14 | | 12 | 08 | 21.5 | 7.5 | 27 |
| 21611-12-10 | 3/4"X14 | | 16 | 10 | 24 | 8.9 | 32 |
| 21611-12-12 | 3/4"X14 | | 20 | 12 | 24 | 8.9 | 32 |
| 21611-16-12T | 1"X11.5 | | 20 | 12 | 25 | 10.5 | 41 |
| 21611-16-16 | 1"X11.5 | | 25 | 16 | 27 | 10.5 | 41 |
| 21611-20-20W | 1.1/4"X11.5 | | 32 | 20 | 29.5 | 11.2 | 50 |
| 21611-24-24W | 1.1/2"X11.5 | | 40 | 24 | 29.5 | 11.2 | 55 |
| 1. 21612-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 21612-xx-xx. | | | | | | | |

HOSE FITTING

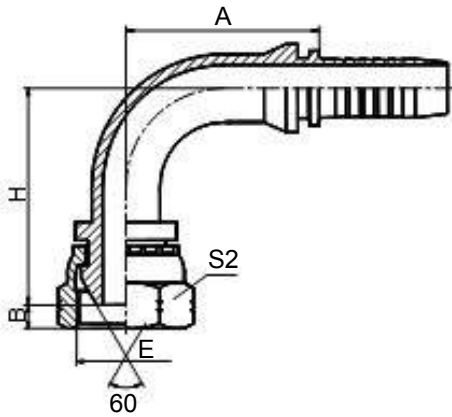


21641

45 NPSM 60
45NPSM FEMALE 60CONE

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--|---------------|-----------|------|--|------------|------|------|----|
| | | DN | DASH | | A | B | H | S2 |
| 21641-04-04 | 1/4"X18 | 6 | 04 | | 45.1 | 4.6 | 23 | 19 |
| 21641-06-06 | 3/8"X18 | 10 | 06 | | 47.2 | 6 | 24.9 | 22 |
| 21641-08-08 | 1/2"X14 | 12 | 08 | | 62.7 | 7.5 | 27.7 | 27 |
| 21641-12-12 | 3/4"X14 | 20 | 12 | | 81.4 | 8.9 | 34 | 32 |
| 21641-16-16 | 1"X11.5 | 25 | 16 | | 89.2 | 10.5 | 35 | 41 |
| 21641-20-20W | 1.1/4"X11.5 | 32 | 20 | | 99.8 | 11.2 | 39.3 | 50 |
| 21641-24-24W | 1.1/2"X11.5 | 40 | 24 | | 115.1 | 11.2 | 44.4 | 55 |
| 21641-32-32W | 2"X11.5 | 50 | 32 | | 136.4 | 11.2 | 63.4 | 70 |
| 1. 21642-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 21642-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

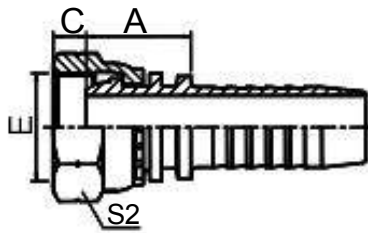


21691

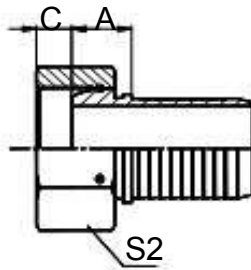
90 NPSM 60
90NPSM FEMALE 60CONE
SAE J514

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | S2 |
|--|-------------|----|-----------|-------|------------|-------|----|----|
| | THREAD | E | DN | DASH | A | B | H | |
| 21691-04-04 | 1/4"X18 | 6 | 04 | 30 | 4.6 | 36.5 | 19 | |
| 21691-06-04 | 3/8"X18 | 6 | 04 | 30 | 6 | 37.7 | 22 | |
| 21691-06-05 | 3/8"X18 | 8 | 05 | 34 | 6 | 40.7 | 22 | |
| 21691-06-06 | 3/8"X18 | 10 | 06 | 35.3 | 6 | 43 | 22 | |
| 21691-08-08 | 1/2"X14 | 12 | 08 | 41 | 7.5 | 51 | 27 | |
| 21691-12-10 | 3/4"X14 | 16 | 10 | 56.5 | 8.9 | 53.5 | 32 | |
| 21691-12-12 | 3/4"X14 | 20 | 12 | 65.5 | 8.9 | 69.1 | 32 | |
| 21691-16-12T | 1"X11.5 | 20 | 12 | 65.5 | 10.5 | 64.5 | 41 | |
| 21691-16-16 | 1"X11.5 | 25 | 16 | 76.7 | 10.5 | 73.8 | 41 | |
| 21691-20-20W | 1.1/4"X11.5 | 32 | 20 | 91.5 | 11.2 | 86 | 50 | |
| 21691-24-20T | 1.1/2"X11.5 | 32 | 20 | 91.5 | 11.2 | 83.5 | 55 | |
| 21691-24-24W | 1.1/2"X11.5 | 40 | 24 | 109.4 | 11.2 | 101.5 | 55 | |
| 21691-32-32W | 2"X11.5 | 50 | 32 | 131.8 | 11.2 | 124.5 | 70 | |
| 1. 21692-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 21692-xx-xx. | | | | | | | | |

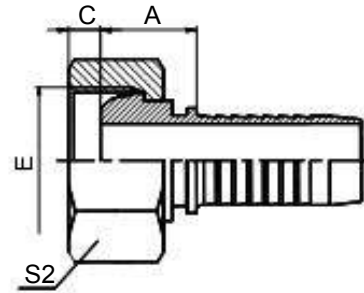
SWAGED HOSE FITTING



22111



22111W

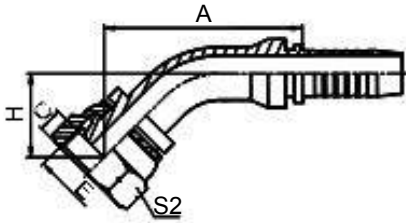


22111-T

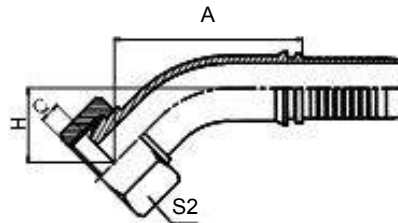
BSP FEMALE MULTISEAL

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | |
|--|------------|---|-----------|------|------------|------|----|
| | THREAD | E | DN | DASH | A | C | S2 |
| 22111-02-04 | G1/8"X28 | | 6 | 04 | 19 | 2 | 14 |
| 22111-04-03 | G1/4"X19 | | 5 | 03 | 19 | 4 | 19 |
| 22111-04-04 | G1/4"X19 | | 6 | 04 | 19.5 | 4 | 19 |
| 22111-06-05 | G3/8"X19 | | 8 | 05 | 20 | 5 | 22 |
| 22111-06-06 | G3/8"X19 | | 10 | 06 | 20.5 | 5 | 22 |
| 22111-06-08 | G3/8"X19 | | 12 | 08 | 21 | 5 | 22 |
| 22111-08-06T | G1/2"X14 | | 10 | 06 | 22.5 | 6 | 27 |
| 22111-08-08 | G1/2"X14 | | 12 | 08 | 23 | 6 | 27 |
| 22111-08-10 | G1/2"X14 | | 16 | 10 | 24 | 6 | 27 |
| 22111-10-10 | G5/8"X14 | | 16 | 10 | 25 | 8 | 30 |
| 22111-10-12 | G5/8"X14 | | 20 | 12 | 25 | 8 | 30 |
| 22111-12-08T | G3/4"X14 | | 12 | 08 | 25 | 9.5 | 32 |
| 22111-12-10 | G3/4"X14 | | 16 | 10 | 26 | 9.5 | 32 |
| 22111-12-12 | G3/4"X14 | | 20 | 12 | 26 | 9.5 | 32 |
| 22111-16-12T | G1"X11 | | 20 | 12 | 26.5 | 11 | 41 |
| 22111-16-14 | G1"X11 | | 22 | 14 | 26.5 | 11 | 41 |
| 22111-16-16 | G1"X11 | | 25 | 16 | 28 | 11 | 41 |
| 22111-20-16T | G1.1/4"X11 | | 25 | 16 | 27.5 | 11 | 50 |
| 22111-20-20W | G1.1/4"X11 | | 32 | 20 | 31.5 | 10 | 50 |
| 22111-24-24W | G1.1/2"X11 | | 40 | 24 | 37 | 11.5 | 55 |
| 22111-32-32W | G2"X11 | | 50 | 32 | 34 | 15 | 70 |
| 1. 22112-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22112-xx-xx. | | | | | | | |

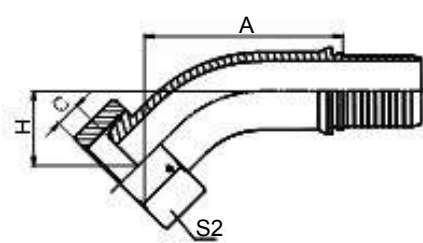
HOSE FITTING



22141



22141-T

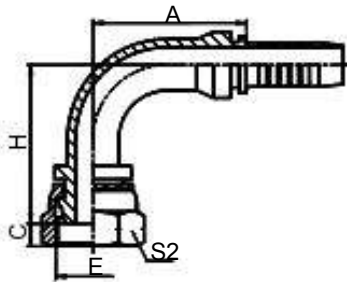


22141-W

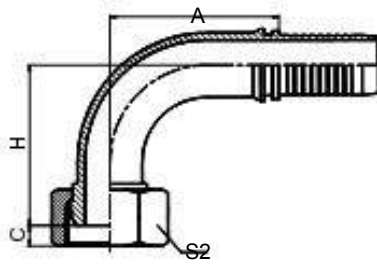
45
45BSP FEMALE MULTISEAL

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | |
|--|------------|-----------|------|--|------------|------|------|----|
| | THREAD E | DN | DASH | | A | C | H | S2 |
| 22141-02-04 | G1/8"X28 | 6 | 04 | | 43.7 | 2 | 21.6 | 14 |
| 22141-04-03 | G1/4"X19 | 5 | 03 | | 41.3 | 4 | 20.4 | 19 |
| 22141-04-04 | G1/4"X19 | 6 | 04 | | 43.7 | 4 | 21.6 | 19 |
| 22141-06-05 | G3/8"X19 | 8 | 05 | | 46.2 | 5 | 22.9 | 22 |
| 22141-06-06 | G3/8"X19 | 10 | 06 | | 48.1 | 5 | 23.9 | 22 |
| 22141-06-08 | G3/8"X19 | 12 | 08 | | 60.4 | 5 | 25.4 | 22 |
| 22141-08-04T | G1/2"X14 | 6 | 04 | | 43.9 | 6 | 23.8 | 27 |
| 22141-08-06T | G1/2"X14 | 10 | 06 | | 42.5 | 6 | 18.2 | 27 |
| 22141-08-08 | G1/2"X14 | 12 | 08 | | 61.8 | 6 | 26.8 | 27 |
| 22141-08-10 | G1/2"X14 | 16 | 10 | | 73 | 6 | 29 | 27 |
| 22141-10-10 | G5/8"X14 | 16 | 10 | | 73.7 | 8 | 28.9 | 30 |
| 22141-10-12 | G5/8"X14 | 20 | 12 | | 79.8 | 8 | 32.5 | 30 |
| 22141-12-08T | G3/4"X14 | 12 | 08 | | 63.2 | 9.5 | 28.3 | 32 |
| 22141-12-10 | G3/4"X14 | 16 | 10 | | 70.4 | 9.5 | 29.6 | 32 |
| 22141-12-12 | G3/4"X14 | 20 | 12 | | 80.6 | 9.5 | 33.2 | 32 |
| 22141-16-12 | G1"X11 | 20 | 12 | | 81.6 | 11 | 33.5 | 41 |
| 22141-16-14 | G1"X11 | 22 | 14 | | 83.3 | 11 | 33 | 41 |
| 22141-16-16 | G1"X11 | 25 | 16 | | 89.2 | 11 | 35 | 41 |
| 22141-20-16T | G1.1/4"X11 | 25 | 16 | | 91.4 | 9.1 | 37.1 | 50 |
| 22141-20-20W | G1.1/4"X11 | 32 | 20 | | 102.9 | 10 | 41.2 | 50 |
| 22141-24-24W | G1.1/2"X11 | 40 | 24 | | 119.8 | 11.5 | 49 | 55 |
| 22141-32-32W | G2"X11 | 50 | 32 | | 137.4 | 15 | 53 | 70 |
| 1. 2. 22142-xx-xx | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22142-xx-xx. | | | | | | | | |

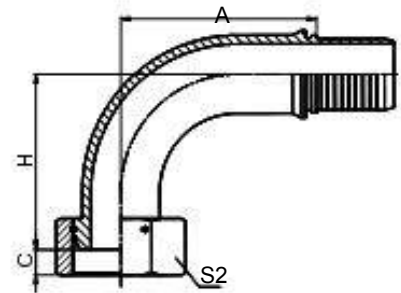
SWAGED HOSE FITTING



22191



22191-T

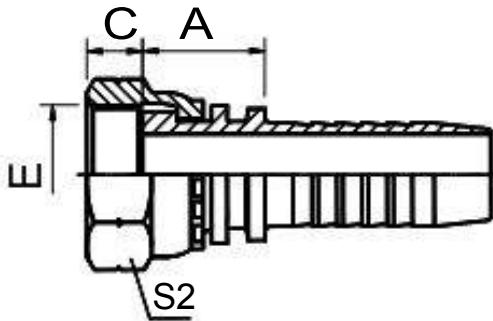


22191-W

90
90BSP FEMALE MULTISEAL

| PART NO. | E | HOSE BORE | | DIMENSIONS | | | | |
|--|------------|-----------|------|------------|------|-------|----|--|
| | THREAD E | DN | DASH | A | C | H | S2 | |
| 22191-02-04 | G1/8"X28 | 6 | 04 | 30 | 2 | 38 | 14 | |
| 22191-04-03 | G1/4"X19 | 5 | 03 | 27 | 4 | 35 | 19 | |
| 22191-04-04 | G1/4"X19 | 6 | 04 | 30 | 4 | 38 | 19 | |
| 22191-04-05 | G1/4"X19 | 8 | 05 | 33 | 4 | 41.5 | 19 | |
| 22191-06-05 | G3/8"X19 | 8 | 05 | 33 | 5 | 42 | 22 | |
| 22191-06-06 | G3/8"X19 | 10 | 06 | 35.3 | 5 | 44.3 | 22 | |
| 22191-06-08 | G3/8"X19 | 12 | 08 | 41 | 5 | 50 | 22 | |
| 22191-08-06T | G1/2"X14 | 10 | 06 | 35.3 | 6 | 46.8 | 27 | |
| 22191-08-08 | G1/2"X14 | 12 | 08 | 41 | 6 | 52.5 | 27 | |
| 22191-10-10 | G5/8"X14 | 16 | 10 | 56.5 | 8 | 57.5 | 30 | |
| 22191-10-12 | G5/8"X14 | 20 | 12 | 65.5 | 8 | 67 | 30 | |
| 22191-12-08T | G3/4"X14 | 12 | 08 | 41 | 9.5 | 52 | 32 | |
| 22191-12-10 | G3/4"X14 | 16 | 10 | 56.5 | 9.5 | 58.5 | 32 | |
| 22191-12-12 | G3/4"X14 | 20 | 12 | 65.5 | 9.5 | 68 | 32 | |
| 22191-16-12T | G1"X11 | 20 | 12 | 66.2 | 11 | 68.5 | 41 | |
| 22191-16-14 | G1"X11 | 22 | 14 | 71.2 | 11 | 69.5 | 41 | |
| 22191-16-16 | G1"X11 | 25 | 16 | 76.7 | 11 | 75 | 41 | |
| 22191-20-16T | G1.1/4"X11 | 25 | 16 | 76.7 | 10 | 78 | 50 | |
| 22191-20-20W | G1.1/4"X11 | 32 | 20 | 92.3 | 10 | 85.3 | 50 | |
| 22191-24-24W | G1.1/2"X11 | 40 | 24 | 109.4 | 11.5 | 108 | 55 | |
| 22191-32-32W | G2"X11 | 50 | 32 | 133.1 | 15 | 123.8 | 70 | |
| 1. 22192-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22192-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

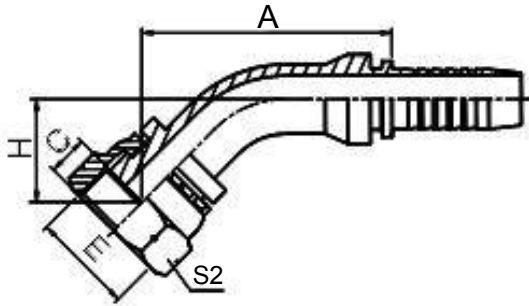


22211

BSP FEMALE FLAT SEAT

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--|---------------|-----------|------|--|------------|------|----|--|
| | | DN | DASH | | A | C | S2 | |
| 22211-04-04 | G1/4"X19 | 6 | 04 | | 15.5 | 8 | 19 | |
| 22211-04-06 | G1/4"X19 | 10 | 06 | | 15.5 | 8 | 19 | |
| 22211-06-04 | G3/8"X19 | 6 | 04 | | 17 | 9 | 22 | |
| 22211-06-05 | G3/8"X19 | 8 | 05 | | 17 | 9 | 22 | |
| 22211-06-06 | G3/8"X19 | 10 | 06 | | 16.5 | 9 | 22 | |
| 22211-06-08 | G3/8"X19 | 12 | 08 | | 17.5 | 9 | 22 | |
| 22211-08-06T | G1/2"X14 | 10 | 06 | | 18 | 10.5 | 27 | |
| 22211-08-08 | G1/2"X14 | 12 | 08 | | 18.5 | 10.5 | 27 | |
| 22211-10-08 | G5/8"X14 | 12 | 08 | | 20 | 12 | 30 | |
| 22211-10-10 | G5/8"X14 | 16 | 10 | | 21 | 12 | 30 | |
| 22211-12-08T | G3/4"X14 | 12 | 08 | | 20.5 | 13.5 | 32 | |
| 22211-12-10 | G3/4"X14 | 16 | 10 | | 21.5 | 13.5 | 32 | |
| 22211-12-12 | G3/4"X14 | 20 | 12 | | 21.5 | 13.5 | 32 | |
| 22211-16-12T | G1"X11 | 20 | 12 | | 21.5 | 15.5 | 41 | |
| 22211-16-16 | G1"X11 | 25 | 16 | | 23 | 15.5 | 41 | |
| 22211-20-20W | G1.1/4"X11 | 32 | 20 | | 26 | 15.5 | 50 | |
| 22211-24-24W | G1.1/2"X11 | 40 | 24 | | 27.5 | 17.5 | 55 | |
| 22211-32-32W | G2"X11 | 50 | 32 | | 30.5 | 23 | 70 | |
| 1. 22212-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22212-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

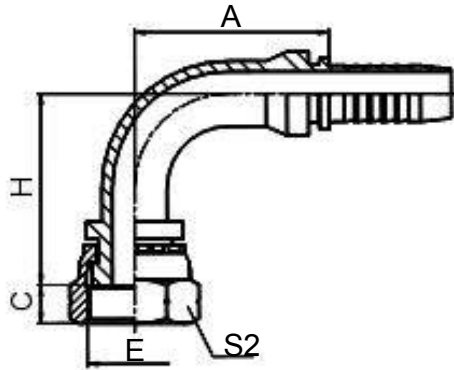


22241

45
45BSP FEMALE FLAT SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|--|------------|---|-----------|------|------------|------|------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 22241-04-04 | G1/4"X19 | | 6 | 04 | 40.9 | 8 | 18.8 | 19 |
| 22241-06-06 | G3/8"X19 | | 10 | 06 | 45.3 | 9 | 21 | 22 |
| 22241-08-08 | G1/2"X14 | | 12 | 08 | 58.9 | 10.5 | 24 | 27 |
| 22241-12-12 | G3/4"X14 | | 20 | 12 | 76.8 | 13.5 | 30 | 32 |
| 22241-16-16 | G1"X11 | | 25 | 16 | 82.7 | 15.5 | 31.5 | 41 |
| 22241-20-20W | G1.1/4"X11 | | 32 | 20 | 97.3 | 15.5 | 36.6 | 50 |
| 1. 22242-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22242-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

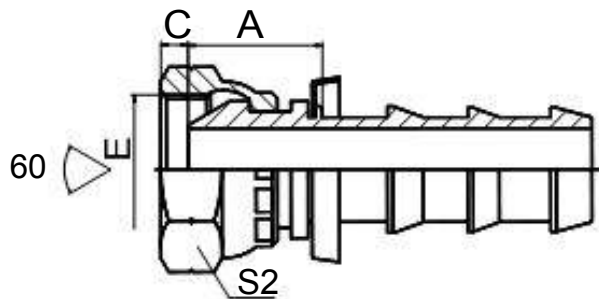


22291

90
90BSP FEMALE FLAT SEAT

| E | | HOSE BORE | | | DIMENSIONS | | | |
|--|------------|----------------|------|--|------------|------|------|----|
| PART NO. | THREAD E | DN | DASH | | A | C | H | S2 |
| 22291-04-04 | G1/4"X19 | 6 | 04 | | 30 | 8 | 34.5 | 19 |
| 22291-06-06 | G3/8"X19 | 10 | 06 | | 35.3 | 9 | 41.3 | 22 |
| 22291-08-08 | G1/2"X14 | 12 | 08 | | 41 | 10.5 | 48 | 27 |
| 22291-12-12 | G3/4"X14 | 20 | 12 | | 65.5 | 13.5 | 63.5 | 32 |
| 22291-16-16 | G1"X11 | 25 | 16 | | 76.7 | 15.5 | 70 | 41 |
| 22291-20-20W | G1.1/4"X11 | 32 | 20 | | 91.5 | 15.5 | 82.5 | 50 |
| 22291-24-24W | G1.1/2"X11 | 40 | 24 | | 109.4 | 17.5 | 98.5 | 55 |
| 1. | | 2. 22292-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22292-xx-xx. | | | | | | | | |

PUSH-ON FITTING

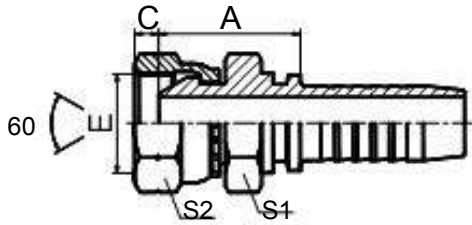


22611-P0

60
BSP FEMALE 60CONE

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|---------------|---------------|-----------|------|--|------------|------|--|----|
| | | DN | DASH | | A | C | | S2 |
| 22611-04-04PO | G1/4"X19 | 6 | 04 | | 19.5 | 5.5 | | 19 |
| 22611-06-06PO | G3/8"X19 | 10 | 06 | | 21.5 | 6.3 | | 22 |
| 22611-08-08PO | G1/2"X14 | 12 | 08 | | 24.5 | 7.5 | | 27 |
| 22611-12-12PO | G3/4"X14 | 20 | 12 | | 29 | 10.9 | | 32 |

SWAGED HOSE FITTING



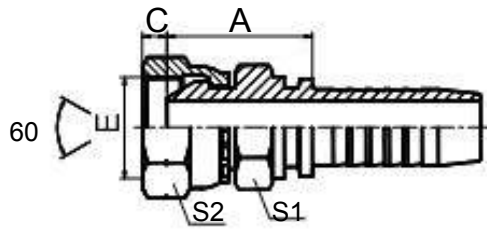
22611D

60

BSP FEMALE 60CONE DOUBLE HEXAGON

| PART NO. | E THREAD E | HOSE BORE | | DIMENSIONS | | | | |
|--|---------------|-----------|------|------------|------|----|----|--|
| | | DN | DASH | A | C | S1 | S2 | |
| 22611D-04-04 | G1/4"X19 | 6 | 04 | 23.5 | 5.5 | 19 | 19 | |
| 22611D-06-06 | G3/8"X19 | 10 | 06 | 26.5 | 6.3 | 22 | 22 | |
| 22611D-08-08 | G1/2"X14 | 12 | 08 | 31 | 7.5 | 27 | 27 | |
| 22611D-10-08 | G5/8"X14 | 12 | 08 | 31 | 9.5 | 30 | 30 | |
| 22611D-12-08 | G3/4"X14 | 12 | 08 | 31.5 | 10.9 | 32 | 32 | |
| 22611D-12-12 | G3/4"X14 | 20 | 12 | 33.5 | 10.9 | 32 | 32 | |
| 22611D-16-16 | G1"X11 | 25 | 16 | 35.5 | 11.7 | 41 | 41 | |
| 22611D-20-20W | G1.1/4"X11 | 32 | 20 | 44 | 11 | 50 | 50 | |
| 1. 22612D-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22612D-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING



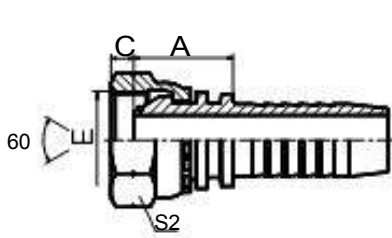
22611D-SM

60

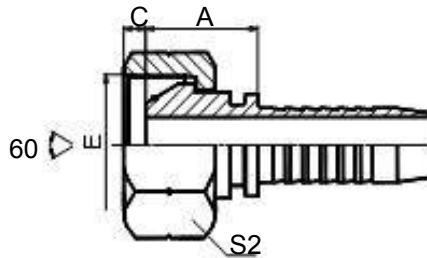
BSP FEMALE 60CONE DOUBLE HEXAGON

| PART NO. | E THREAD | HOSE BORE | | DIMENSIONS | | | | |
|--|-------------|-----------|------|------------|------|----|----|--|
| | | DN | DASH | A | C | S1 | S2 | |
| 22611D-04-04SM | G1/4"X19 | 6 | 04 | 23.5 | 5.5 | 14 | 19 | |
| 22611D-06-06SM | G3/8"X19 | 10 | 06 | 24.5 | 6.3 | 17 | 22 | |
| 22611D-08-08SM | G1/2"X14 | 12 | 08 | 29 | 7.5 | 22 | 27 | |
| 22611D-10-08SM | G5/8"X14 | 12 | 08 | 29 | 9.5 | 22 | 30 | |
| 22611D-12-08SM | G3/4"X14 | 12 | 08 | 31.5 | 10.9 | 27 | 32 | |
| 22611D-12-12SM | G3/4"X14 | 20 | 12 | 33.5 | 10.9 | 27 | 32 | |
| 22611D-16-16SM | G1"X11 | 25 | 16 | 35.5 | 11.7 | 32 | 41 | |
| 22611D-20-20WSM | G1.1/4"X11 | 32 | 20 | 42 | 11 | 41 | 50 | |
| 1. 22612D-xx-xxSM Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22612D-xx-xxSM. | | | | | | | | |

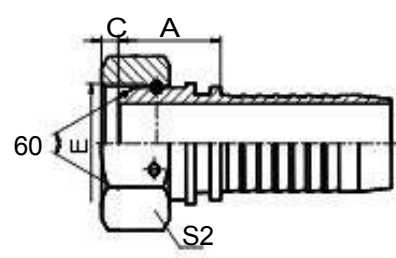
HOSE FITTING



22611-OR



22611-ORT



22611-ORW

60 O
BSP FEMALE 60CONE O-RING

| PART NO. | E THREAD E | HOSE BORE | | | D IMENSIONS | | | |
|----------------|---------------|-----------|------|--|-------------|------|----|--|
| | | DN | DASH | | A | C | S2 | |
| 22611-02-03OR | G1/8"X28 | 5 | 03 | | 15 | 5.5 | 14 | |
| 22611-02-04OR | G1/8"X28 | 6 | 04 | | 15 | 5.5 | 14 | |
| 22611-04-03OR | G1/4"X19 | 5 | 03 | | 17 | 5.5 | 19 | |
| 22611-04-04OR | G1/4"X19 | 6 | 04 | | 18 | 5.5 | 19 | |
| 22611-04-05OR | G1/4"X19 | 8 | 05 | | 18 | 5.5 | 19 | |
| 22611-04-06OR | G1/4"X19 | 10 | 06 | | 18 | 5.5 | 19 | |
| 22611-06-04OR | G3/8"X19 | 6 | 04 | | 19 | 6.3 | 22 | |
| 22611-06-05OR | G3/8"X19 | 8 | 05 | | 19 | 6.3 | 22 | |
| 22611-06-06OR | G3/8"X19 | 10 | 06 | | 19.5 | 6.3 | 22 | |
| 22611-06-08OR | G3/8"X19 | 12 | 08 | | 19.5 | 6.3 | 22 | |
| 22611-08-06ORT | G1/2"X14 | 10 | 06 | | 21 | 7.5 | 27 | |
| 22611-08-08OR | G1/2"X14 | 12 | 08 | | 21.5 | 7.5 | 27 | |
| 22611-10-08OR | G5/8"X14 | 12 | 08 | | 22 | 9.5 | 30 | |
| 22611-10-10OR | G5/8"X14 | 16 | 10 | | 23 | 9.5 | 30 | |
| 22611-12-08ORT | G3/4"X14 | 12 | 08 | | 22 | 10.9 | 32 | |
| 22611-12-10OR | G3/4"X14 | 16 | 10 | | 23.5 | 10.9 | 32 | |
| 22611-12-12OR | G3/4"X14 | 20 | 12 | | 24 | 10.9 | 32 | |
| 22611-16-12ORT | G1"X11 | 20 | 12 | | 24 | 11.7 | 41 | |
| 22611-16-14OR | G1"X11 | 22 | 14 | | 26 | 11.7 | 41 | |
| 22611-16-16OR | G1"X11 | 25 | 16 | | 27 | 11.7 | 41 | |
| 22611-20-16ORT | G1.1/4"X11 | 25 | 16 | | 27.5 | 11 | 50 | |
| 22611-20-20ORW | G1.1/4"X11 | 32 | 20 | | 30.5 | 11 | 50 | |
| 22611-24-20ORT | G1.1/2"X11 | 32 | 20 | | 32 | 13 | 55 | |
| 22611-24-24ORW | G1.1/2"X11 | 40 | 24 | | 32 | 13 | 55 | |
| 22611-32-24ORT | G2"X11 | 40 | 24 | | 30 | 16 | 70 | |
| 22611-32-32ORW | G2"X11 | 50 | 32 | | 31.9 | 16 | 70 | |

1.

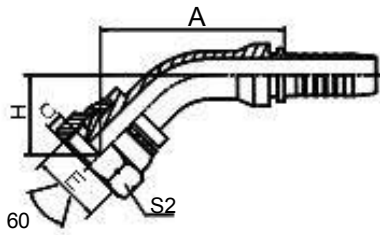
Note: 1.For use with braided hoses.

2.

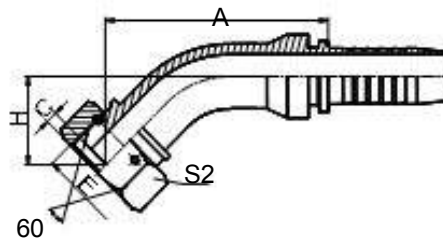
22612-xx-xxOR

2.If use with spiral hoses, hose fitting series number is 22612-xx-xxOR.

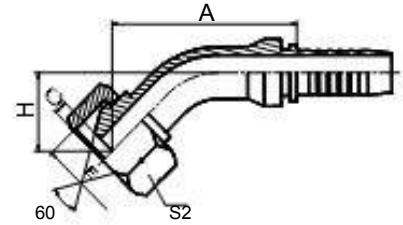
HOSE FITTING



22641



22641-W



22641-T

45 60
45 BSP FEMALE 60CONE

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|--------------|------------|---|-----------|------|------------|------|------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 22641-04-04 | G1/4"X19 | | 6 | 04 | 42.3 | 5.5 | 20.2 | 19 |
| 22641-06-04 | G3/8"X19 | | 6 | 04 | 43.2 | 6.3 | 21 | 22 |
| 22641-06-05 | G3/8"X19 | | 8 | 05 | 45.3 | 6.3 | 22 | 22 |
| 22641-06-06 | G3/8"X19 | | 10 | 06 | 46.9 | 6.3 | 22.6 | 22 |
| 22641-08-06T | G1/2"X14 | | 10 | 06 | 48.1 | 7.5 | 23.9 | 27 |
| 22641-08-08 | G1/2"X14 | | 12 | 08 | 61.1 | 7.5 | 26.1 | 27 |
| 22641-10-08 | G5/8"X14 | | 12 | 08 | 61.4 | 9.5 | 26.5 | 30 |
| 22641-10-10 | G5/8"X14 | | 16 | 10 | 72.6 | 9.5 | 27.8 | 30 |
| 22641-12-08T | G3/4"X14 | | 12 | 08 | 61.8 | 10.9 | 26.9 | 32 |
| 22641-12-10 | G3/4"X14 | | 16 | 10 | 73 | 10.9 | 28.2 | 32 |
| 22641-12-12 | G3/4"X14 | | 20 | 12 | 79.2 | 10.9 | 31.8 | 32 |
| 22641-16-12T | G1"X11 | | 20 | 12 | 80.8 | 11.7 | 33.4 | 41 |
| 22641-16-16 | G1"X11 | | 25 | 16 | 88.4 | 11.7 | 34.2 | 41 |
| 22641-20-16T | G1.1/4"X11 | | 25 | 16 | 85.3 | 11 | 31.1 | 50 |
| 22641-20-20W | G1.1/4"X11 | | 32 | 20 | 98.8 | 11 | 38 | 50 |
| 22641-24-24W | G1.1/2"X11 | | 40 | 24 | 116.8 | 13 | 45.5 | 55 |
| 22641-32-32W | G2"X11 | | 50 | 32 | 135.7 | 16 | 52.7 | 70 |

1.

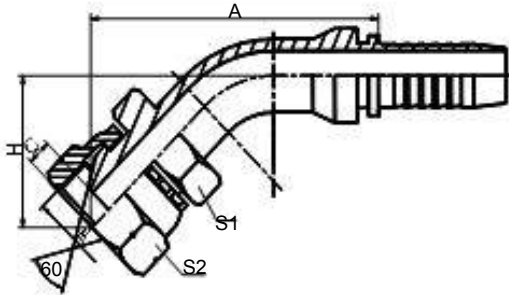
2.

22642-xx-xx

Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 22642-xx-xx.

HOSE FITTING



22641D-SM

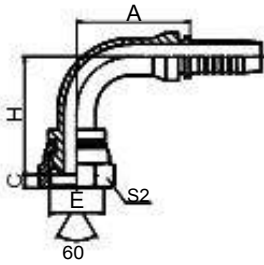
90

60

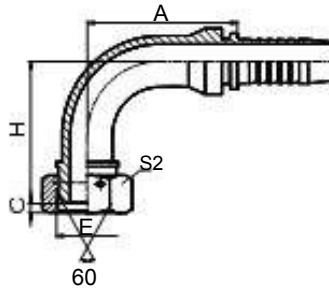
90BSP FEMALE 60CONE DOUBLE HEXAGON

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | | |
|---|----------|-----------|------|--|------------|------|------|----|----|
| | THREAD E | DN | DASH | | A | C | H | S1 | S2 |
| 22641D-04-04SM | G1/4"X19 | 6 | 04 | | 44.6 | 5.5 | 25.5 | 14 | 19 |
| 22641D-06-06SM | G3/8"X19 | 10 | 06 | | 51.6 | 6.3 | 26.9 | 17 | 22 |
| 22641D-08-08SM | G1/2"X14 | 12 | 08 | | 66 | 7.5 | 31 | 22 | 27 |
| 22641D-10-08SM | G5/8"X14 | 12 | 08 | | 66 | 9.5 | 31 | 22 | 30 |
| 22641D-12-08SM | G3/4"X14 | 12 | 08 | | 66 | 10.9 | 31.5 | 27 | 32 |
| 22641D-12-12SM | G3/4"X14 | 20 | 12 | | 85.5 | 10.9 | 37.4 | 27 | 32 |
| 22641D-16-16SM | G1"X11 | 25 | 16 | | 94.7 | 11.7 | 40.5 | 32 | 41 |
| 1. 22642D-xx-xx | | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22642D-xx-xx. | | | | | | | | | |

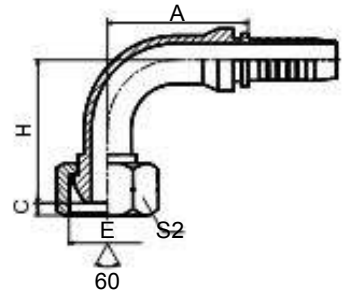
SWAGED HOSE FITTING



22691



22691-W



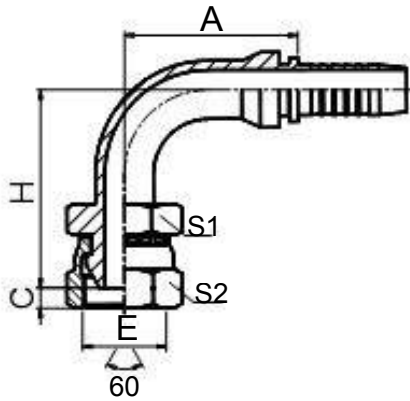
22691-T

90 60
90BSP FEMALE 60CONE

| PART NO. | E THREAD | HOSE BORE | | DIMENSIONS | | | | |
|--------------|-------------|-----------|------|------------|------|-------|----|--|
| | | DN | DASH | A | C | H | S2 | |
| 22691-02-03 | G1/8"X28 | 5 | 03 | 26.5 | 5.5 | 31.5 | 14 | |
| 22691-02-04 | G1/8"X28 | 6 | 04 | 30 | 5.5 | 34.5 | 14 | |
| 22691-04-03 | G1/4"X19 | 5 | 03 | 26.5 | 5.5 | 33.5 | 19 | |
| 22691-04-04 | G1/4"X19 | 6 | 04 | 30 | 5.5 | 36.5 | 19 | |
| 22691-04-05 | G1/4"X19 | 8 | 05 | 33 | 5.5 | 39.5 | 19 | |
| 22691-04-06 | G1/4"X19 | 10 | 06 | 30 | 5.5 | 36.5 | 19 | |
| 22691-06-04 | G3/8"X19 | 6 | 04 | 30 | 6.3 | 37.7 | 22 | |
| 22691-06-05 | G3/8"X19 | 8 | 05 | 33 | 6.3 | 40.7 | 22 | |
| 22691-06-06 | G3/8"X19 | 10 | 06 | 35.3 | 6.3 | 43 | 22 | |
| 22691-08-06T | G1/2"X14 | 10 | 06 | 35.3 | 7 | 43.3 | 27 | |
| 22691-08-08 | G1/2"X14 | 12 | 08 | 41 | 7.5 | 51 | 27 | |
| 22691-08-10 | G1/2"X14 | 16 | 10 | 56.5 | 7.5 | 55.5 | 27 | |
| 22691-10-08 | G5/8"X14 | 12 | 08 | 41 | 9.5 | 51.5 | 30 | |
| 22691-10-10 | G5/8"X14 | 16 | 10 | 56 | 9.5 | 56 | 30 | |
| 22691-12-08T | G3/4"X14 | 12 | 08 | 41 | 10.9 | 52.1 | 32 | |
| 22691-12-10 | G3/4"X14 | 16 | 10 | 56.5 | 10.9 | 56.6 | 32 | |
| 22691-12-12 | G3/4"X14 | 20 | 12 | 64.9 | 10.9 | 66.1 | 32 | |
| 22691-16-12T | G1"X11 | 20 | 12 | 65.5 | 11.7 | 68.3 | 41 | |
| 22691-16-14 | G1"X11 | 22 | 14 | 71.2 | 11.7 | 69.3 | 41 | |
| 22691-16-16 | G1"X11 | 25 | 16 | 76.7 | 11.7 | 73.8 | 41 | |
| 22691-20-16T | G1.1/4"X11 | 25 | 16 | 78 | 11 | 69.5 | 50 | |
| 22691-20-20W | G1.1/4"X11 | 32 | 20 | 91.5 | 11 | 84.3 | 50 | |
| 22691-24-24W | G1.1/2"X11 | 40 | 24 | 109.4 | 13 | 103 | 55 | |
| 22691-32-32W | G2"X11 | 50 | 32 | 131.8 | 16 | 123.3 | 70 | |

1. 2. 22692-xx-xx
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22692-xx-xx.

HOSE FITTING

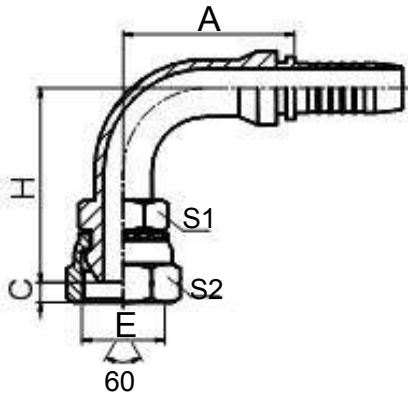


22691D

90 60
90BSP FEMALE 60CONE DOUBLE HEXAGON

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | | |
|--------------|---------------|-----------|------|--|------------|------|------|----|----|
| | | DN | DASH | | A | C | H | S1 | S2 |
| 22691D-04-04 | G1/4"X19 | 6 | 04 | | 30 | 5.5 | 40.5 | 19 | 19 |
| 22691D-06-06 | G3/8"X19 | 10 | 06 | | 35.3 | 6.3 | 49 | 22 | 22 |
| 22691D-08-08 | G1/2"X14 | 12 | 08 | | 41 | 7.5 | 58 | 27 | 27 |
| 22691D-12-12 | G3/4"X14 | 20 | 12 | | 65.5 | 10.9 | 74 | 32 | 32 |
| 22691D-16-16 | G1"X11 | 25 | 16 | | 76.7 | 11.7 | 82 | 41 | 41 |

HOSE FITTING



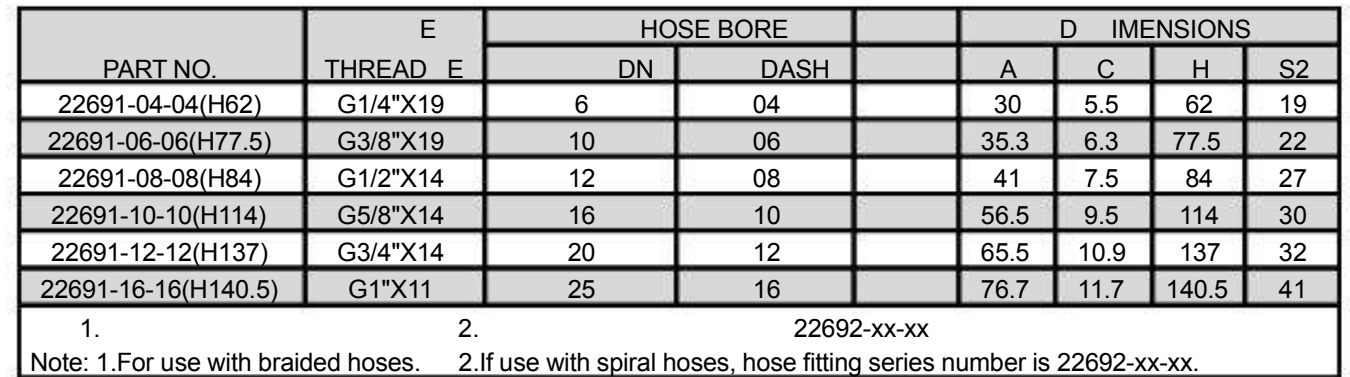
22691D-SM

90

60

90BSP FEMALE 60CONE DOUBLE HEXAGON

| PART NO. | E | HOSE BORE | | | D IMENSIONS | | | | |
|-------------------------------------|----------|---|------|-------------|-------------|------|------|----|----|
| | THREAD E | DN | DASH | | A | C | H | S1 | S2 |
| 22691D-04-04SM | G1/4"X19 | 6 | 04 | | 30 | 5.5 | 40.5 | 14 | 19 |
| 22691D-06-06SM | G3/8"X19 | 10 | 06 | | 35.3 | 6.3 | 49 | 17 | 22 |
| 22691D-08-08SM | G1/2"X14 | 12 | 08 | | 41 | 7.5 | 58 | 22 | 27 |
| 22691D-10-08SM | G5/8"X14 | 12 | 08 | | 41 | 9.5 | 58 | 22 | 30 |
| 22691D-12-08SM | G3/4"X14 | 12 | 08 | | 41.5 | 10.9 | 58 | 27 | 32 |
| 22691D-12-12SM | G3/4"X14 | 20 | 12 | | 65.5 | 10.9 | 74 | 27 | 32 |
| 22691D-16-16SM | G1"X11 | 25 | 16 | | 76.7 | 11.7 | 82.8 | 32 | 41 |
| 1 | | 2.2 | | 2692D-xx-xx | | | | | |
| Note: 1.For use with braided hoses. | | 2.If use with spiral hoses, hose fitting series number is 22692D-xx-xx. | | | | | | | |



90 60
90BSP FEMALE 60CONE

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|---------------------|---------------|-----------|------|--|------------|------|-------|----|
| | | DN | DASH | | A | C | H | S2 |
| 22691-04-04(H62) | G1/4"X19 | 6 | 04 | | 30 | 5.5 | 62 | 19 |
| 22691-06-06(H77.5) | G3/8"X19 | 10 | 06 | | 35.3 | 6.3 | 77.5 | 22 |
| 22691-08-08(H84) | G1/2"X14 | 12 | 08 | | 41 | 7.5 | 84 | 27 |
| 22691-10-10(H114) | G5/8"X14 | 16 | 10 | | 56.5 | 9.5 | 114 | 30 |
| 22691-12-12(H137) | G3/4"X14 | 20 | 12 | | 65.5 | 10.9 | 137 | 32 |
| 22691-16-16(H140.5) | G1"X11 | 25 | 16 | | 76.7 | 11.7 | 140.5 | 41 |

1.

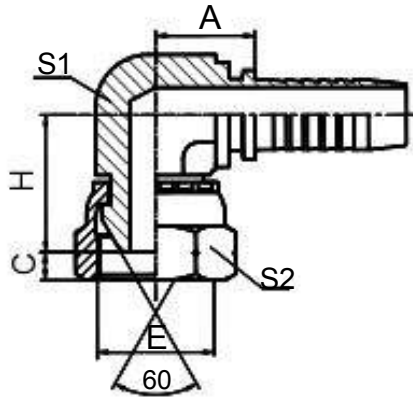
2.

22692-xx-xx

Note: 1.For use with braided hoses.

2.If use with spiral hoses, hose fitting series number is 22692-xx-xx.

SWAGED HOSE FITTING

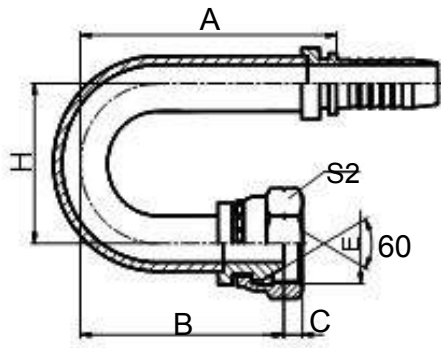


22691K

90 60
90BSP COMPACT FEMALE 60CONE

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|--|----------|---|-----------|------|------------|------|------|----|----|
| | THREAD | E | DN | DASH | A | C | H | S1 | S2 |
| 22691K-04-04 | G1/4"X19 | | 6 | 04 | 17.5 | 5.5 | 18.5 | 11 | 19 |
| 22691K-06-04 | G3/8"X19 | | 6 | 04 | 20 | 6.3 | 24 | 16 | 22 |
| 22691K-06-05 | G3/8"X19 | | 8 | 05 | 20 | 6.3 | 24 | 16 | 22 |
| 22691K-06-06 | G3/8"X19 | | 10 | 06 | 20 | 6.3 | 24 | 16 | 22 |
| 22691K-08-06 | G1/2"X14 | | 10 | 06 | 23 | 7.5 | 28.5 | 19 | 27 |
| 22691K-08-08 | G1/2"X14 | | 12 | 08 | 23.5 | 7.5 | 28.5 | 19 | 27 |
| 22691K-10-10 | G5/8"X14 | | 16 | 10 | 24.5 | 9.5 | 30.5 | 22 | 30 |
| 22691K-12-12 | G3/4"X14 | | 20 | 12 | 27.5 | 10.9 | 33 | 27 | 32 |
| 22691K-16-16 | G1"X11 | | 25 | 16 | 43 | 11.7 | 38.5 | 33 | 41 |
| 1. 22692K-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22692K-xx-xx. | | | | | | | | | |

HOSE FITTING

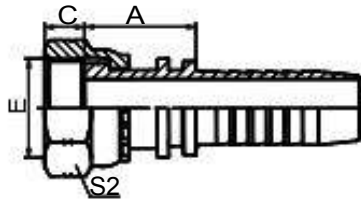


22691-V180

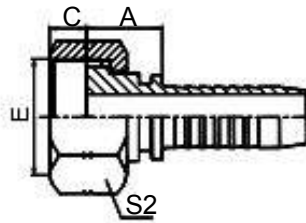
180 60
180 BSP FEMALE 60 CONE

| PART NO. | E THREAD E | HOSE BORE | | D IMENSIONS | | | | |
|--|---------------|-----------|-------------|-------------|-------|------|-----|----|
| | | DN | DASH | A | B | C | H | S2 |
| 22691-04-04(V180) | G1/4"X19 | 6 | 04 | 65.5 | 46 | 5.5 | 40 | 19 |
| 22691-06-06(V180) | G3/8"X19 | 10 | 06 | 90.8 | 63.5 | 6.3 | 50 | 22 |
| 22691-08-08(V180) | G1/2"X14 | 12 | 08 | 104.3 | 71 | 7.5 | 60 | 27 |
| 22691-10-10(V180) | G5/8"X14 | 16 | 10 | 130.5 | 90 | 9.5 | 80 | 30 |
| 22691-12-12(V180) | G3/4"X14 | 20 | 12 | 160.5 | 111 | 10.9 | 100 | 32 |
| 22691-16-16(V180) | G1"X11 | 25 | 16 | 196.8 | 132.5 | 11.7 | 120 | 41 |
| 1. | 2. | | 22692-xx-xx | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22692-xx-xx. | | | | | | | | |

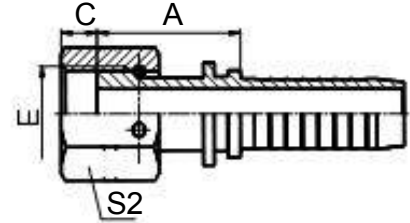
SWAGED HOSE FITTING



24211



24211-T

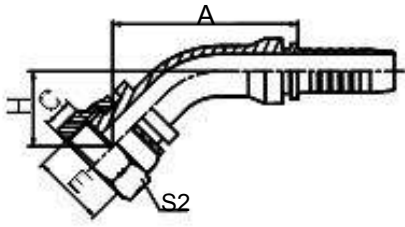


24211W

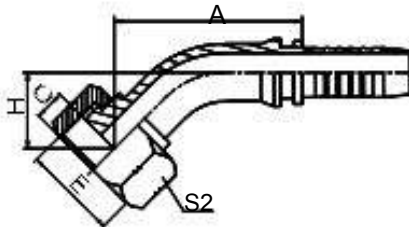
ORFS
ORFS FEMALE FLAT SEAT
ISO 12151-1--SAE J516

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|---|-------------|---|-----------|------|------------|------|----|--|
| | THREAD | E | DN | DASH | A | C | S2 | |
| 24211-04-04 | 9/16"X18 | | 6 | 04 | 22.5 | 8.5 | 19 | |
| 24211-04-05 | 9/16"X18 | | 8 | 05 | 22.5 | 8.5 | 19 | |
| 24211-04-06 | 9/16"X18 | | 10 | 06 | 22.5 | 8.5 | 19 | |
| 24211-06-04T | 11/16"X16 | | 6 | 04 | 23.5 | 10 | 22 | |
| 24211-06-05T | 11/16"X16 | | 8 | 05 | 23.5 | 10 | 22 | |
| 24211-06-06 | 11/16"X16 | | 10 | 06 | 25.5 | 10 | 22 | |
| 24211-06-08 | 11/16"X16 | | 12 | 08 | 26 | 10 | 22 | |
| 24211-08-05T | 13/16"X16 | | 8 | 05 | 25 | 11 | 27 | |
| 24211-08-06T | 13/16"X16 | | 10 | 06 | 25 | 11 | 27 | |
| 24211-08-08 | 13/16"X16 | | 12 | 08 | 28 | 11 | 27 | |
| 24211-08-10 | 13/16"X16 | | 16 | 10 | 29 | 11 | 27 | |
| 24211-10-08T | 1"X14 | | 12 | 08 | 29.5 | 13.5 | 30 | |
| 24211-10-10 | 1"X14 | | 16 | 10 | 33 | 13.5 | 30 | |
| 24211-10-12 | 1"X14 | | 20 | 12 | 33.5 | 13.5 | 30 | |
| 24211-12-08T | 1.3/16"X12 | | 12 | 08 | 30.5 | 15 | 36 | |
| 24211-12-10T | 1.3/16"X12 | | 16 | 10 | 31.5 | 15 | 36 | |
| 24211-12-12 | 1.3/16"X12 | | 20 | 12 | 35 | 15 | 36 | |
| 24211-12-16 | 1.3/16"X12 | | 25 | 16 | 36 | 15 | 36 | |
| 24211-16-12T | 1.7/16"X12 | | 20 | 12 | 35 | 14.8 | 41 | |
| 24211-16-14T | 1.7/16"X12 | | 22 | 14 | 35 | 14.8 | 41 | |
| 24211-16-16T | 1.7/16"X12 | | 25 | 16 | 35 | 14.8 | 41 | |
| 24211-16-20 | 1.7/16"X12 | | 32 | 20 | 39.5 | 14.8 | 41 | |
| 24211-20-16T | 1.11/16"X12 | | 25 | 16 | 35 | 15 | 50 | |
| 24211-20-20W | 1.11/16"X12 | | 32 | 20 | 42.5 | 15 | 50 | |
| 24211-20-24W | 1.11/16"X12 | | 40 | 24 | 42.5 | 15 | 50 | |
| 24211-24-20T | 2"X12 | | 32 | 20 | 36 | 14.8 | 60 | |
| 24211-24-24T | 2"X12 | | 40 | 24 | 36 | 14.8 | 60 | |
| 1. 2. 24212-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 24212-xx-xx. | | | | | | | | |

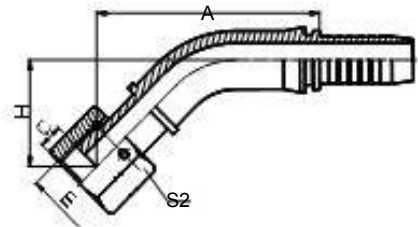
SWAGED HOSE FITTING



24241



24241-T

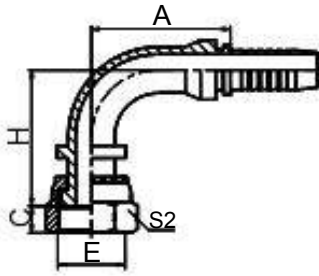


24241-W

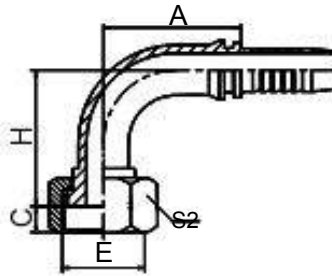
45ORFS
45ORFS FEMALE FLAT SEAT
ISO 12151-1--SAE J516

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|-------------------------------------|---------------|--|------|-------------|------------|------|------|----|
| | | DN | DASH | | A | H | C | S2 |
| 24241-04-04 | 9/16"X18 | 6 | 04 | | 45.5 | 23.4 | 8.5 | 19 |
| 24241-04-05 | 9/16"X18 | 8 | 05 | | 47.6 | 24.3 | 8.5 | 19 |
| 24241-04-06 | 9/16"X18 | 10 | 06 | | 49.2 | 24.9 | 8.5 | 19 |
| 24241-06-04T | 11/16"X16 | 6 | 04 | | 39.5 | 17.4 | 10 | 22 |
| 24241-06-05T | 11/16"X16 | 8 | 05 | | 42.3 | 19 | 10 | 22 |
| 24241-06-06 | 11/16"X16 | 10 | 06 | | 51.3 | 27.1 | 10 | 22 |
| 24241-08-06T | 13/16"X16 | 10 | 06 | | 44.6 | 20.3 | 11 | 27 |
| 24241-08-08 | 13/16"X16 | 12 | 08 | | 65.7 | 30.7 | 11 | 27 |
| 24241-08-10 | 13/16"X16 | 16 | 10 | | 76.5 | 31.7 | 11 | 27 |
| 24241-10-08T | 1"X14 | 12 | 08 | | 58.2 | 23.3 | 13.5 | 30 |
| 24241-10-10 | 1"X14 | 16 | 10 | | 79.2 | 34.9 | 13.5 | 30 |
| 24241-12-08T | 1.3/16"X12 | 12 | 08 | | 58.2 | 23.3 | 15 | 36 |
| 24241-12-10T | 1.3/16"X12 | 16 | 10 | | 68.2 | 23.9 | 15 | 36 |
| 24241-12-12 | 1.3/16"X12 | 20 | 12 | | 87 | 39.5 | 15 | 36 |
| 24241-12-16 | 1.3/16"X12 | 25 | 16 | | 95.3 | 41 | 15 | 36 |
| 24241-16-12T | 1.7/16"X12 | 20 | 12 | | 74 | 29.6 | 14.8 | 41 |
| 24241-16-14T | 1.7/16"X12 | 22 | 14 | | 78.7 | 28.5 | 14.8 | 41 |
| 24241-16-16T | 1.7/16"X12 | 25 | 16 | | 84.1 | 29.7 | 14.8 | 41 |
| 24241-20-16T | 1.11/16"X12 | 25 | 16 | | 84.1 | 29.7 | 15 | 50 |
| 24241-20-20W | 1.11/16"X12 | 32 | 20 | | 111.2 | 49 | 15 | 50 |
| 24241-24-20T | 2"X12 | 32 | 20 | | 94.5 | 33.8 | 14.8 | 60 |
| 24241-24-24T | 2"X12 | 40 | 24 | | 108.5 | 37.7 | 14.8 | 60 |
| 1. | | 2. | | 24242-xx-xx | | | | |
| Note: 1.For use with braided hoses. | | 2.If use with spiral hoses, hose fitting series number is 24242-xx-xx. | | | | | | |

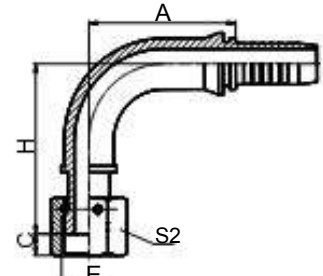
SWAGED HOSE FITTING



24291



24291-T

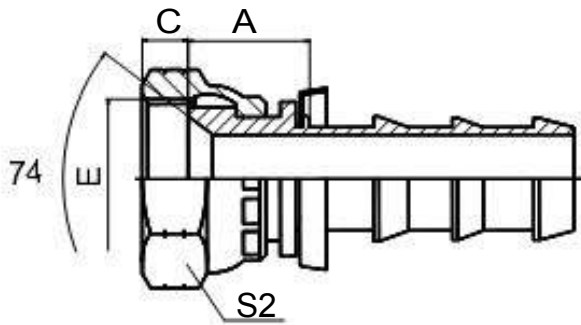


24291W

90 ORFS
90ORFS FEMALE FLAT SEAT
ISO 12151-1--SAE J516

| PART NO. | E | HOSE BORE | | DIMENSIONS | | | | |
|--|-------------|-----------|------|------------|------|------|----|--|
| | THREAD E | DN | DASH | A | H | C | S2 | |
| 24291-04-04 | 9/16"X18 | 6 | 04 | 30 | 41 | 8.5 | 19 | |
| 24291-04-05 | 9/16"X18 | 8 | 05 | 33 | 44 | 8.5 | 19 | |
| 24291-06-05T | 11/16"X16 | 8 | 05 | 33 | 37.5 | 10 | 22 | |
| 24291-06-06 | 11/16"X16 | 10 | 06 | 35.3 | 49.3 | 10 | 22 | |
| 24291-06-08 | 11/16"X16 | 12 | 08 | 41 | 55 | 10 | 22 | |
| 24291-08-06T | 13/16"X16 | 10 | 06 | 35.3 | 39.8 | 11 | 27 | |
| 24291-08-08 | 13/16"X16 | 12 | 08 | 41 | 57.5 | 11 | 27 | |
| 24291-08-10 | 13/16"X16 | 16 | 10 | 56.5 | 61.5 | 11 | 27 | |
| 24291-10-08T | 1"X14 | 12 | 08 | 41 | 46 | 13.5 | 30 | |
| 24291-10-10 | 1"X14 | 16 | 10 | 56 | 66 | 13.5 | 30 | |
| 24291-10-12 | 1"X14 | 20 | 12 | 65.5 | 75.5 | 13.5 | 30 | |
| 24291-12-10T | 1.3/16"X12 | 16 | 10 | 56 | 51.5 | 15 | 36 | |
| 24291-12-12 | 1.3/16"X12 | 20 | 12 | 65.5 | 77 | 15 | 36 | |
| 24291-12-16 | 1.3/16"X12 | 25 | 16 | 76.7 | 83.5 | 15 | 36 | |
| 24291-16-12T | 1.7/16"X12 | 20 | 12 | 65.5 | 63 | 14.8 | 41 | |
| 24291-16-14T | 1.7/16"X12 | 22 | 14 | 71.2 | 63 | 14.8 | 41 | |
| 24291-16-16T | 1.7/16"X12 | 25 | 16 | 76.9 | 67.5 | 14.8 | 41 | |
| 24291-20-16T | 1.11/16"X12 | 25 | 16 | 76.7 | 67.5 | 15 | 50 | |
| 24291-20-20W | 1.11/16"X12 | 32 | 20 | 93 | 100 | 15 | 50 | |
| 24291-24-20T | 2"X12 | 32 | 20 | 91.5 | 78.5 | 14.8 | 60 | |
| 24291-24-24T | 2"X12 | 40 | 24 | 109.4 | 92 | 14.8 | 60 | |
| 1. 24292-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 24292-xx-xx. | | | | | | | | |

PUSH-ON FITTING

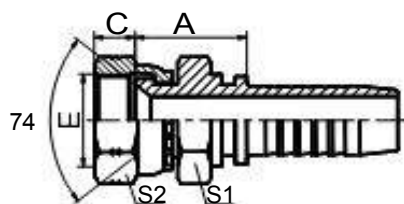


26711-P0

JIC 74
JIC FEMALE 74CONE SEAT

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|---------------|---------------|-----------|------|--|------------|------|--|----|
| | | DN | DASH | | A | C | | S2 |
| 26711-04-04PO | 7/16"X20 | 6 | 04 | | 12.2 | 9 | | 15 |
| 26711-05-04PO | 1/2"X20 | 6 | 04 | | 12.2 | 9.5 | | 17 |
| 26711-06-06PO | 9/16"X18 | 10 | 06 | | 12.5 | 10.5 | | 19 |
| 26711-08-06PO | 3/4"X16 | 10 | 06 | | 12.5 | 11 | | 24 |
| 26711-08-08PO | 3/4"X16 | 12 | 08 | | 14.7 | 11 | | 24 |
| 26711-10-08PO | 7/8"X14 | 12 | 08 | | 15.2 | 13 | | 27 |
| 26711-10-10PO | 7/8"X14 | 16 | 10 | | | | | 27 |
| 26711-12-12PO | 1.1/16"X12 | 20 | 12 | | 17.4 | 15 | | 32 |
| 26711-16-16PO | 1.5/16"X12 | 25 | 16 | | | | | 41 |

SWAGED HOSE FITTING



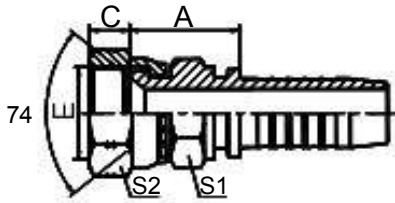
26711D

JIC 74

JIC FEMALE 74 CONE SEAT DOUBLE HEXAGON
SAE J514

| PART NO. | E | HOSE BORE | | DIMENSIONS | | | |
|--|------------|-----------|------|------------|------|----|----|
| | THREAD E | DN | DASH | A | C | S1 | S2 |
| 26711D-04-04 | 7/16"X20 | 6 | 04 | 20 | 9 | 17 | 15 |
| 26711D-05-04 | 1/2"X20 | 6 | 04 | 21 | 9.5 | 17 | 17 |
| 26711D-06-04 | 9/16"X18 | 6 | 04 | 21 | 10.5 | 19 | 19 |
| 26711D-06-06 | 9/16"X18 | 10 | 06 | 21 | 10.5 | 19 | 19 |
| 26711D-08-06 | 3/4"X16 | 10 | 06 | 25 | 11 | 24 | 24 |
| 26711D-08-08 | 3/4"X16 | 12 | 08 | 24.5 | 11 | 24 | 24 |
| 26711D-08-10 | 3/4"X16 | 16 | 10 | 25.5 | 11 | 24 | 24 |
| 26711D-10-08 | 7/8"X14 | 12 | 08 | 28 | 13 | 27 | 27 |
| 26711D-10-10 | 7/8"X14 | 16 | 10 | 29 | 13 | 27 | 27 |
| 26711D-12-12 | 1.1/16"X12 | 20 | 12 | 31.5 | 15 | 32 | 32 |
| 26711D-16-12 | 1.5/16"X12 | 20 | 12 | 33.5 | 16 | 41 | 41 |
| 26711D-16-16 | 1.5/16"X12 | 25 | 16 | 34.5 | 16 | 41 | 41 |
| 26711D-16-20 | 1.5/16"X12 | 32 | 20 | 36.5 | 16 | 41 | 41 |
| 26711D-20-20W | 1.7/16"X12 | 32 | 20 | 41 | 17 | 50 | 50 |
| 1. 26712D-xx-xx Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is 26712D-xx-xx. | | | | | | | |

SWAGED HOSE FITTING



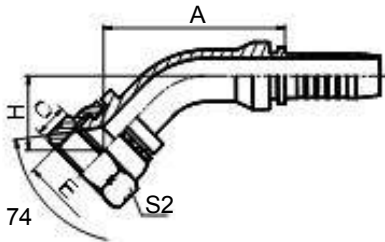
26711D-SM

JIC 74

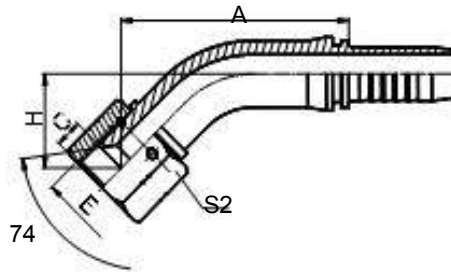
JIC FEMALE 74CONE SEAT DOUBLE HEXAGON
SAE J514

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | |
|---|------------|----------------|------|--|------------|------|----|----|
| | THREAD E | DN | DASH | | A | C | S1 | S2 |
| 26711D-04-04SM | 7/16"X20 | 6 | 04 | | 20 | 9 | 12 | 15 |
| 26711D-05-04SM | 1/2"X20 | 6 | 04 | | 20.5 | 9.5 | 12 | 17 |
| 26711D-06-04SM | 9/16"X18 | 6 | 04 | | 21 | 10.5 | 14 | 19 |
| 26711D-06-06SM | 9/16"X18 | 10 | 06 | | 21 | 10.5 | 17 | 19 |
| 26711D-08-06SM | 3/4"X16 | 10 | 06 | | 23 | 11 | 19 | 24 |
| 26711D-08-08SM | 3/4"X16 | 12 | 08 | | 24.5 | 11 | 22 | 24 |
| 26711D-08-10SM | 3/4"X16 | 16 | 10 | | 25.5 | 11 | 22 | 24 |
| 26711D-10-08SM | 7/8"X14 | 12 | 08 | | 26 | 13 | 22 | 27 |
| 26711D-10-10SM | 7/8"X14 | 16 | 10 | | 27 | 13 | 22 | 27 |
| 26711D-12-12SM | 1.1/16"X12 | 20 | 12 | | 31.5 | 15 | 27 | 32 |
| 26711D-16-12SM | 1.5/16"X12 | 20 | 12 | | 31.5 | 16 | 32 | 41 |
| 26711D-16-16SM | 1.5/16"X12 | 25 | 16 | | 33 | 16 | 32 | 41 |
| 26711D-20-20WSM | 1.7/16"X12 | 32 | 20 | | 39 | 17 | 41 | 50 |
| 1. | 2. | 26712D-xx-xxSM | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26712D-xx-xxSM. | | | | | | | | |

SWAGED HOSE FITTING



26741



26741W

45 JIC 74
45JIC FEMALE 74CONE SEAT
SAE J514

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|--------------|------------|---|-----------|------|------------|------|------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 26741-04-03 | 7/16"X20 | | 5 | 03 | 37.6 | 9 | 17.2 | 15 |
| 26741-04-04 | 7/16"X20 | | 6 | 04 | 40.2 | 9 | 18.1 | 15 |
| 26741-05-04 | 1/2"X20 | | 6 | 04 | 40.5 | 9.5 | 18.5 | 17 |
| 26741-05-05 | 1/2"X20 | | 8 | 05 | 42.7 | 9.5 | 19.3 | 17 |
| 26741-05-06 | 1/2"X20 | | 10 | 06 | 44.6 | 9.5 | 20.3 | 17 |
| 26741-06-04 | 9/16"X18 | | 6 | 04 | 40.5 | 10.5 | 18.5 | 19 |
| 26741-06-05 | 9/16"X18 | | 8 | 05 | 42.6 | 10.5 | 19.3 | 19 |
| 26741-06-06 | 9/16"X18 | | 10 | 06 | 44.3 | 10.5 | 20 | 19 |
| 26741-08-06 | 3/4"X16 | | 10 | 06 | 45.7 | 11 | 21.4 | 24 |
| 26741-08-08 | 3/4"X16 | | 12 | 08 | 57.9 | 11 | 22.9 | 24 |
| 26741-10-08 | 7/8"X14 | | 12 | 08 | 58.9 | 13 | 24 | 27 |
| 26741-10-10 | 7/8"X14 | | 16 | 10 | 69.6 | 13 | 25.3 | 27 |
| 26741-10-12 | 7/8"X14 | | 20 | 12 | 75.7 | 13 | 28.9 | 27 |
| 26741-12-08 | 1.1/16"X12 | | 12 | 08 | 60 | 15 | 25.1 | 32 |
| 26741-12-10 | 1.1/16"X12 | | 16 | 10 | 70.7 | 15 | 26.4 | 32 |
| 26741-12-12 | 1.1/16"X12 | | 20 | 12 | 76.8 | 15 | 30 | 32 |
| 26741-14-12 | 1.3/16"X12 | | 20 | 12 | 77.4 | 15 | 30 | 36 |
| 26741-16-12 | 1.5/16"X12 | | 20 | 12 | 77.4 | 16 | 30 | 41 |
| 26741-16-16 | 1.5/16"X12 | | 25 | 16 | 85.7 | 16 | 31.5 | 41 |
| 26741-20-20W | 1.5/8"X12 | | 32 | 20 | 95.9 | 17 | 35.2 | 50 |
| 26741-24-20W | 1.7/8"X12 | | 32 | 20 | 100.9 | 20 | 40.1 | 55 |
| 26741-24-24W | 1.7/8"X12 | | 40 | 24 | 114.8 | 20 | 44.1 | 55 |
| 26741-32-32W | 2.1/2"X12 | | 50 | 32 | 135.9 | 23.5 | 51.6 | 75 |

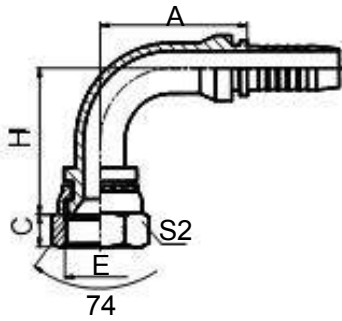
1.

2.

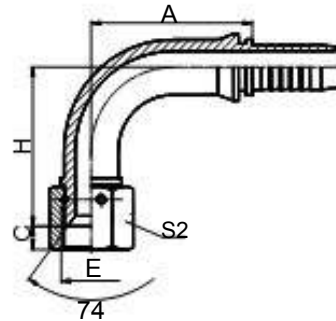
26742-xx-xx

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26742-xx-xx.

SWAGED HOSE FITTING



26791

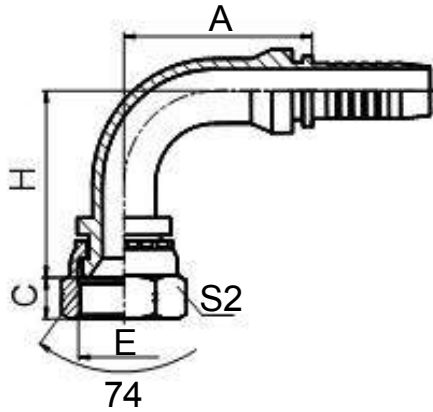


26791W

90 JIC 74
90JIC FEMALE 74CONE SEAT
SAE J514

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | | |
|--|------------|-------------|----|------|------------|-------|------|-------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 | |
| 26791-04-03 | 7/16"X20 | | 5 | 03 | | 26.5 | 9 | 30.5 | 15 |
| 26791-04-04 | 7/16"X20 | | 6 | 04 | | 30 | 9 | 33.5 | 15 |
| 26791-05-04 | 1/2"X20 | | 6 | 04 | | 30 | 9.5 | 34 | 17 |
| 26791-05-05 | 1/2"X20 | | 8 | 05 | | 33 | 9.5 | 37 | 17 |
| 26791-05-06 | 1/2"X20 | | 10 | 06 | | 35.3 | 9.5 | 39.3 | 17 |
| 26791-06-04 | 9/16"X18 | | 6 | 04 | | 30 | 10.5 | 34 | 19 |
| 26791-06-05 | 9/16"X18 | | 8 | 05 | | 33 | 10.5 | 37 | 19 |
| 26791-06-06 | 9/16"X18 | | 10 | 06 | | 35.3 | 10.5 | 39.3 | 19 |
| 26791-06-08 | 9/16"X18 | | 12 | 08 | | 35.8 | 10.5 | 39.8 | 19 |
| 26791-08-06 | 3/4"X16 | | 10 | 06 | | 35.3 | 11 | 41.3 | 24 |
| 26791-08-08 | 3/4"X16 | | 12 | 08 | | 41 | 11 | 47.5 | 24 |
| 26791-08-10 | 3/4"X16 | | 16 | 10 | | 49 | 11 | 47.5 | 24 |
| 26791-10-08 | 7/8"X14 | | 12 | 08 | | 41 | 13 | 48 | 27 |
| 26791-10-10 | 7/8"X14 | | 16 | 10 | | 56 | 13 | 52.5 | 27 |
| 26791-10-12 | 7/8"X14 | | 20 | 12 | | 64.9 | 13 | 62 | 27 |
| 26791-12-08 | 1.1/16"X12 | | 12 | 08 | | 41 | 15 | 49.5 | 32 |
| 26791-12-10 | 1.1/16"X12 | | 16 | 10 | | 56 | 15 | 54 | 32 |
| 26791-12-12 | 1.1/16"X12 | | 20 | 12 | | 65.5 | 15 | 63.5 | 32 |
| 26791-12-16 | 1.1/16"X12 | | 25 | 16 | | 74 | 15 | 63.5 | 32 |
| 26791-14-12 | 1.3/16"X12 | | 20 | 12 | | 65.5 | 15 | 63.5 | 36 |
| 26791-16-12 | 1.5/16"X12 | | 20 | 12 | | 65.5 | 16 | 63.5 | 41 |
| 26791-16-16 | 1.5/16"X12 | | 25 | 16 | | 76.7 | 16 | 70 | 41 |
| 26791-20-20W | 1.5/8"X12 | | 32 | 20 | | 91.5 | 17 | 80.5 | 50 |
| 26791-24-20W | 1.7/8"X12 | | 32 | 20 | | 91.5 | 20 | 80.5 | 55 |
| 26791-24-24W | 1.7/8"X12 | | 40 | 24 | | 109.4 | 20 | 94 | 55 |
| 26791-32-32W | 2.1/2"X12 | | 50 | 32 | | 133.1 | 23.5 | 121.8 | 75 |
| 1. | 2. | 26792-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26792-xx-xx. | | | | | | | | | |

HOSE FITTING

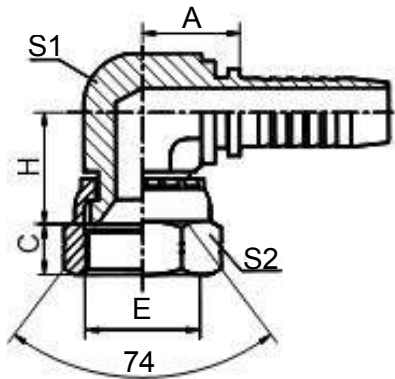


26791-H

90 JIC 74
90JIC FEMALE 74CONE SEAT

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|--|---------------|-----------|------|--|------------|------|-----|----|
| | | DN | DASH | | A | C | H | S2 |
| 26791-06-04(H66) | 9/16"X18 | 6 | 04 | | 30 | 10.5 | 66 | 19 |
| 26791-08-06(H78) | 3/4"X16 | 10 | 06 | | 35.3 | 11 | 78 | 24 |
| 26791-10-08(H86) | 7/8"X14 | 12 | 08 | | 41 | 13 | 86 | 27 |
| 26791-12-12(H135) | 1.1/16"X12 | 20 | 12 | | 65.5 | 15 | 135 | 32 |
| 26791-16-16(H140) | 1.5/16"X12 | 25 | 16 | | 76.7 | 16 | 140 | 41 |
| <p>1. 2. 26792-xx-xx</p> <p>Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26792-xx-xx.</p> | | | | | | | | |

SWAGED HOSE FITTING

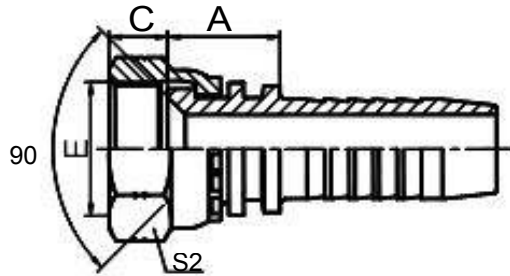


26791K

90 JIC 74
90JIC COMPACT FEMALE 74CONE SEAT
SAE J514

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|---|------------|---|-----------|------|------------|------|------|----|----|
| | THREAD | E | DN | DASH | A | C | H | S1 | S2 |
| 26791K-04-04 | 7/16"X20 | | 6 | 04 | 17.5 | 9 | 18 | 11 | 15 |
| 26791K-06-04 | 9/16"X18 | | 6 | 04 | 20 | 10.5 | 20.5 | 14 | 19 |
| 26791K-06-06 | 9/16"X18 | | 10 | 06 | 20 | 10.5 | 20.5 | 16 | 19 |
| 26791K-08-06 | 3/4"X16 | | 10 | 06 | 23 | 11 | 25 | 19 | 24 |
| 26791K-08-08 | 3/4"X16 | | 12 | 08 | 23.5 | 11 | 25 | 22 | 24 |
| 26791K-10-08 | 7/8"X14 | | 12 | 08 | 25 | 13 | 27 | 22 | 27 |
| 26791K-10-10 | 7/8"X14 | | 16 | 10 | 25 | 13 | 27 | 22 | 27 |
| 26791K-12-12 | 1.1/16"X12 | | 20 | 12 | 29 | 15 | 31 | 27 | 32 |
| 26791K-16-16 | 1.5/16"X12 | | 25 | 16 | 43 | 16 | 34.3 | 33 | 41 |
| <div>1.</div> <div>2.</div> <div>26792K-xx-xx</div> | | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26792K-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING

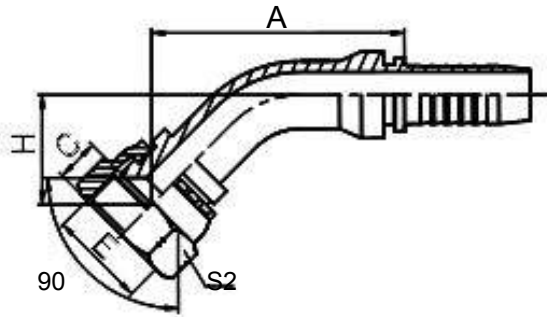


27811

SAE 90
SAE FEMALE 90° CONE SEAT
SAE J513

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | |
|--|----------------|-----------|------|--|------------|------|----|
| | THREAD E | DN | DASH | | A | C | S2 |
| 27811-04-03 | 7/16"X20 | 5 | 03 | | 14 | 9 | 15 |
| 27811-04-04 | 7/16"X20 | 6 | 04 | | 15 | 9 | 15 |
| 27811-05-05 | 1/2"X20 | 8 | 05 | | 15.5 | 9.5 | 17 |
| 27811-06-04 | 5/8"X18 | 6 | 04 | | 17 | 11.3 | 22 |
| 27811-06-05 | 5/8"X18 | 8 | 05 | | 17 | 11.3 | 22 |
| 27811-06-06 | 5/8"X18 | 10 | 06 | | 17 | 11.3 | 22 |
| 27811-08-08 | 3/4"X16 | 12 | 08 | | 18 | 11 | 24 |
| 27811-10-08 | 7/8"X14 | 12 | 08 | | 18.5 | 13 | 27 |
| 27811-10-10 | 7/8"X14 | 16 | 10 | | 20 | 13 | 27 |
| 27811-12-12 | 1.1/16"X14 | 20 | 12 | | 21.5 | 14.3 | 32 |
| 1. | 2. 27812-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27812-xx-xx. | | | | | | | |

SWAGED HOSE FITTING

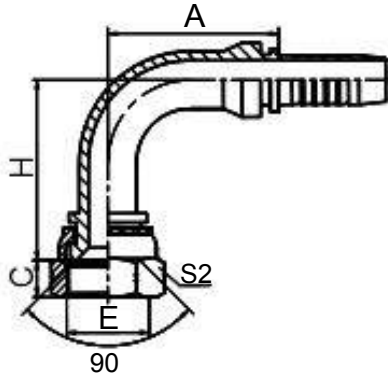


27841

45 SAE 90
45°SAE FEMALE 90°CONE SEAT
SAE J513

| E | | HOSE BORE | | | DIMENSIONS | | | |
|--|------------|-------------|------|--|------------|------|------|----|
| PART NO. | THREAD E | DN | DASH | | A | C | H | S2 |
| 27841-04-03 | 7/16"X20 | 5 | 03 | | 37.6 | 9 | 17.2 | 15 |
| 27841-06-04 | 5/8"X18 | 6 | 04 | | 42 | 11.3 | 20 | 22 |
| 27841-06-05 | 5/8"X18 | 8 | 05 | | 43.7 | 11.3 | 20.4 | 22 |
| 27841-06-06 | 5/8"X18 | 10 | 06 | | 45.3 | 11.3 | 21 | 22 |
| 27841-08-08 | 3/4"X16 | 12 | 08 | | 58.2 | 11 | 23.3 | 24 |
| 27841-10-08 | 7/8"X14 | 12 | 08 | | 58.2 | 13 | 23.3 | 27 |
| 27841-10-10 | 7/8"X14 | 16 | 10 | | 69.6 | 13 | 25.3 | 27 |
| 27841-12-12 | 1.1/16"X14 | 20 | 12 | | 76.8 | 14.3 | 30 | 32 |
| 1. | 2. | 27842-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27842-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

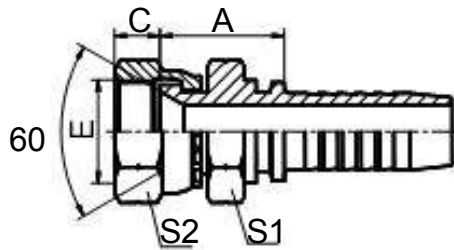


27891

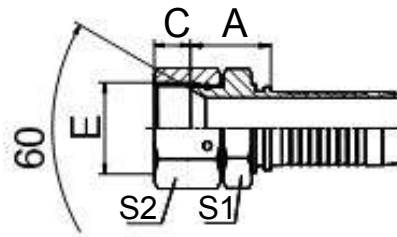
90 SAE 90
90°SAE FEMALE 90°CONE SEAT
SAE J513

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | |
|---|------------|---|-----------|------|------------|------|------|----|
| | THREAD | E | DN | DASH | A | C | H | S2 |
| 27891-04-04 | 7/16"X20 | | 6 | 04 | 30 | 9 | 33.5 | 15 |
| 27891-06-04 | 5/8"X18 | | 6 | 04 | 30 | 11.3 | 35.5 | 22 |
| 27891-06-05 | 5/8"X18 | | 8 | 05 | 33 | 11.3 | 38.5 | 22 |
| 27891-06-06 | 5/8"X18 | | 10 | 06 | 35.3 | 11.3 | 40.8 | 22 |
| 27891-10-08 | 7/8"X14 | | 12 | 08 | 42 | 13 | 47 | 27 |
| 27891-10-10 | 7/8"X14 | | 16 | 10 | 56.5 | 13 | 52.5 | 27 |
| 27891-12-12 | 1.1/16"X14 | | 20 | 12 | 65 | 14.3 | 63.5 | 32 |
| 1. 2. 27892-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27892-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING



28611



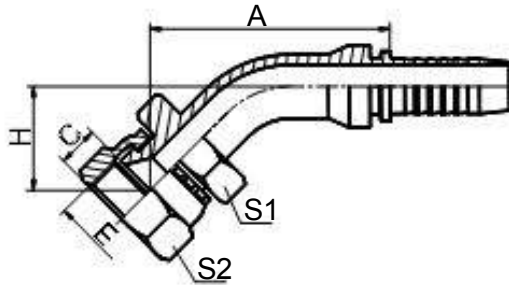
28611-W

60

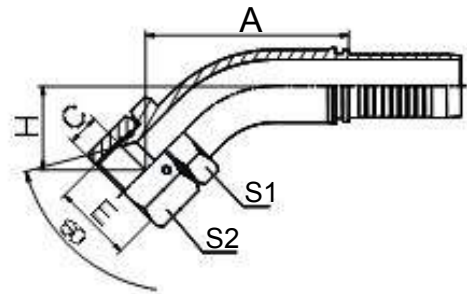
JIS METRIC FEMALE 60° CONE SEAT

| PART NO. | E THREAD | HOSE BORE | | A | DIMENSIONS | | | |
|--|-------------|-----------|------|------|------------|----|----|--|
| | | DN | DASH | | C | S1 | S2 | |
| 28611-12-04 | M12X1.5 | 6 | 04 | 20 | 9 | 17 | 17 | |
| 28611-14-04W | M14X1.5 | 6 | 04 | 23 | 10.5 | 19 | 19 | |
| 28611-14-06 | M14X1.5 | 10 | 06 | 21 | 10.5 | 19 | 19 | |
| 28611-16-04 | M16X1.5 | 6 | 04 | 24 | 10 | 22 | 22 | |
| 28611-16-05 | M16X1.5 | 8 | 05 | 24 | 10 | 22 | 22 | |
| 28611-16-06 | M16X1.5 | 10 | 06 | 24 | 10 | 22 | 22 | |
| 28611-18-06 | M18X1.5 | 10 | 06 | 24 | 11.5 | 24 | 24 | |
| 28611-18-08 | M18X1.5 | 12 | 08 | 24.5 | 11.5 | 24 | 24 | |
| 28611-20-08 | M20X1.5 | 12 | 08 | 28.5 | 12 | 27 | 27 | |
| 28611-22-08 | M22X1.5 | 12 | 08 | 25.5 | 14 | 27 | 27 | |
| 28611-24-08 | M24X1.5 | 12 | 08 | 27.5 | 15 | 32 | 32 | |
| 28611-24-10 | M24X1.5 | 16 | 10 | 28 | 15 | 32 | 32 | |
| 28611-30-12 | M30X1.5 | 20 | 12 | 28.5 | 18.3 | 36 | 36 | |
| 28611-33-12 | M33X1.5 | 20 | 12 | 31 | 21.3 | 41 | 41 | |
| 28611-33-16 | M33X1.5 | 25 | 16 | 32 | 21.3 | 41 | 41 | |
| 28611-36-20 | M36X1.5 | 32 | 20 | 35.5 | 20 | 46 | 46 | |
| 28611-42-24W | M42X1.5 | 40 | 24 | 36 | 18.8 | 55 | 55 | |
| <div> <div>1.</div> <div>2.</div> </div> <div> <div>28612-xx-xx</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 28612-xx-xx.</div> </div> | | | | | | | | |

SWAGED HOSE FITTING



28641



28641-W

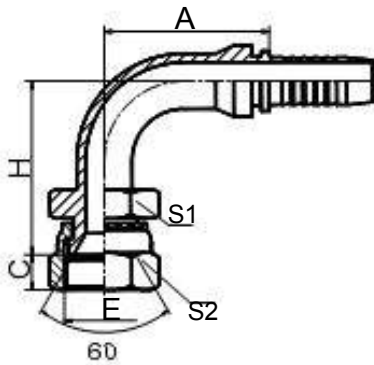
45

60

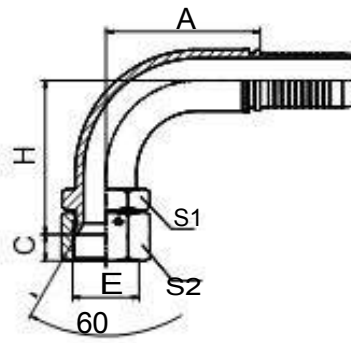
45JIS METRIC FEMALE 60CONE SEAT

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|--|---------|---|-----------|------|------------|------|------|----|----|
| | THREAD | E | DN | DASH | A | C | H | S1 | S2 |
| 28641-14-04 | M14X1.5 | | 6 | 04 | 43.4 | 10.5 | 21.3 | 19 | 19 |
| 28641-16-05 | M16X1.5 | | 8 | 05 | 47.6 | 10 | 24.3 | 22 | 22 |
| 28641-18-06 | M18X1.5 | | 10 | 06 | 49.2 | 11.5 | 24.9 | 24 | 24 |
| 28641-22-08 | M22X1.5 | | 12 | 08 | 62.1 | 14 | 27.2 | 27 | 27 |
| 28641-24-10 | M24X1.5 | | 16 | 10 | 74.7 | 15 | 29.9 | 32 | 32 |
| 28641-30-12 | M30X1.5 | | 20 | 12 | 78 | 18.3 | 33.5 | 36 | 36 |
| 28641-33-16 | M33X1.5 | | 25 | 16 | 89.9 | 21.3 | 35.7 | 41 | 41 |
| 28641-36-20 | M36X1.5 | | 32 | 20 | 104.1 | 20 | 41.9 | 46 | 46 |
| 28641-42-24W | M42X1.5 | | 40 | 24 | 119.7 | 18.8 | 49 | 50 | 55 |
| 1. 28642-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 28642-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING



28691

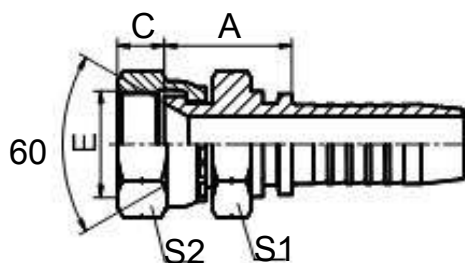


28691-W

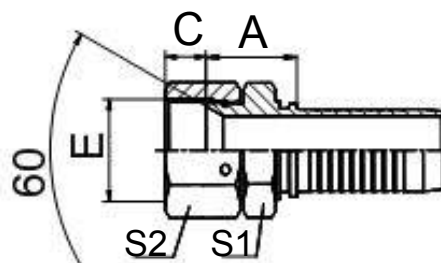
90° 60°
90°JIS METRIC FEMALE 60°CONE SEAT

| PART NO. | E THREAD | HOSE BORE | | DIMENSIONS | | | | | |
|--|-------------|-----------|------|------------|------|------|----|----|--|
| | | DN | DASH | A | C | H | S1 | S2 | |
| 28691-14-04W | M14X1.5 | 6 | 04 | 30 | 10.5 | 40 | 19 | 19 | |
| 28691-14-06 | M14X1.5 | 10 | 06 | 35.3 | 10.5 | 43.3 | 19 | 19 | |
| 28691-16-05 | M16X1.5 | 8 | 05 | 33 | 10 | 44 | 22 | 22 | |
| 28691-18-06 | M18X1.5 | 10 | 06 | 35.3 | 11.5 | 46.3 | 24 | 24 | |
| 28691-22-08 | M22X1.5 | 12 | 08 | 41 | 14 | 52.5 | 27 | 27 | |
| 28691-24-10 | M24X1.5 | 16 | 10 | 56 | 15 | 59 | 32 | 32 | |
| 28691-30-12 | M30X1.5 | 20 | 12 | 65.5 | 18.3 | 71.5 | 36 | 36 | |
| 28691-33-16 | M33X1.5 | 25 | 16 | 76.7 | 21.3 | 76 | 41 | 41 | |
| 28691-36-20 | M36X1.5 | 32 | 20 | 93 | 20 | 89 | 46 | 46 | |
| 28691-42-24W | M42X1.5 | 40 | 24 | 109.4 | 18.8 | 108 | 55 | 55 | |
| 1. 28692-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 28692-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING



29611

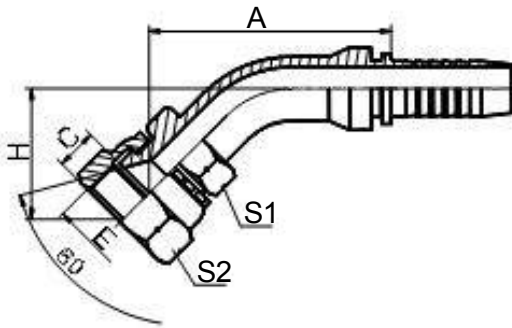


29611-W

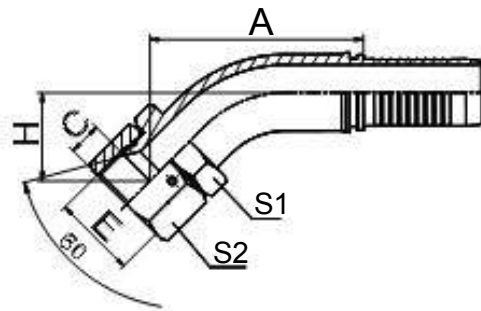
60
JIS GAS FEMALE 60° CONE SEAT
JIS B8363

| PART NO. | E | HOSE BORE | | | DIMENSIONS | | | | |
|--|------------|-----------|-------------|------|------------|------|------|----|----|
| | THREAD | E | DN | DASH | A | C | S1 | S2 | |
| 29611-02-03 | G1/8"X28 | | 5 | 03 | | 20 | 7 | 14 | 14 |
| 29611-04-04 | G1/4"X19 | | 6 | 04 | | 21 | 8 | 19 | 19 |
| 29611-04-05 | G1/4"X19 | | 8 | 05 | | 21 | 8 | 19 | 19 |
| 29611-06-04 | G3/8"X19 | | 6 | 04 | | 23 | 9 | 22 | 22 |
| 29611-06-06 | G3/8"X19 | | 10 | 06 | | 23 | 9 | 22 | 22 |
| 29611-08-06 | G1/2"X14 | | 10 | 06 | | 28 | 12 | 27 | 27 |
| 29611-08-08 | G1/2"X14 | | 12 | 08 | | 26.5 | 12 | 27 | 27 |
| 29611-10-10 | G5/8"X14 | | 16 | 10 | | 30.5 | 11.5 | 30 | 30 |
| 29611-12-10 | G3/4"X14 | | 16 | 10 | | 30 | 13.5 | 32 | 32 |
| 29611-12-12 | G3/4"X14 | | 20 | 12 | | 30.5 | 13.5 | 32 | 32 |
| 29611-16-16 | G1"X11 | | 25 | 16 | | 32 | 16 | 41 | 41 |
| 29611-20-20W | G1.1/4"X11 | | 32 | 20 | | 43 | 18.5 | 50 | 50 |
| 29611-24-24W | G1.1/2"X11 | | 40 | 24 | | 43.5 | 19 | 55 | 55 |
| 29611-32-32W | G2"X11 | | 50 | 32 | | 46.5 | 23 | 70 | 70 |
| 1. | 2. | | 29612-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29612-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING



29641

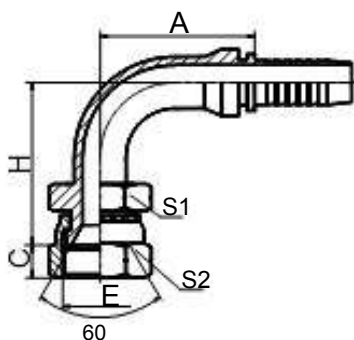


29641-W

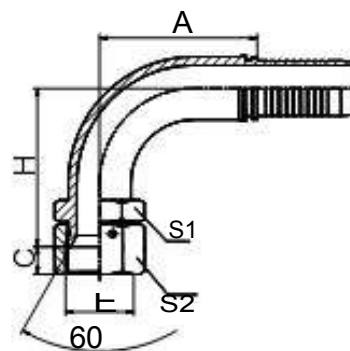
45? 60
45?JIS GAS FEMALE 60?CONE SEAT
JIS B8363

| PART NO. | E | | HOSE BORE | | DIMENSIONS | | | | |
|--|------------|---|-----------|----|------------|------|------|----|----|
| | THREAD | E | DN | | A | C | H | S1 | S2 |
| 29641-04-04 | G1/4"X19 | | 6 | 04 | 43.4 | 8 | 21.3 | 19 | 19 |
| 29641-06-06 | G3/8"X19 | | 10 | 06 | 48.9 | 9 | 24.6 | 22 | 22 |
| 29641-08-08 | G1/2"X14 | | 12 | 08 | 63.5 | 12 | 27.5 | 27 | 27 |
| 29641-12-12 | G3/4"X14 | | 20 | 12 | 81.3 | 13.5 | 33.9 | 32 | 32 |
| 29641-16-16 | G1"X11 | | 25 | 16 | 87.3 | 16 | 36.1 | 41 | 41 |
| 29641-20-20W | G1.1/4"X11 | | 32 | 20 | 104.4 | 18.5 | 43.7 | 50 | 50 |
| 29641-24-24W | G1.1/2"X11 | | 40 | 24 | 121.5 | 19 | 50.8 | 55 | 55 |
| 29641-32-32W | G2"X11 | | 50 | 32 | 140.6 | 23 | 57.6 | 70 | 70 |
| 1. 29642-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29642-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING



29691

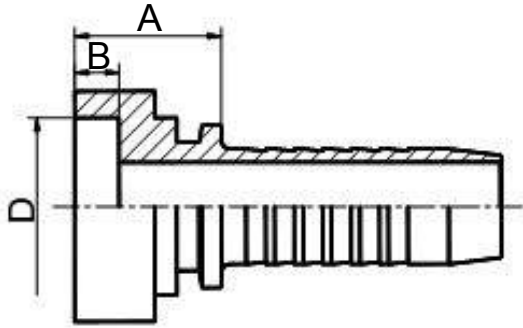


29691-W

90 60
90JIS GAS FEMALE 60CONE SEAT
JIS B8363

| PART NO. | E THREAD | HOSE BORE | | DIMENSIONS | | | | | |
|--|-------------|-----------|------|------------|------|-------|----|----|--|
| | | DN | DASH | A | C | H | S1 | S2 | |
| 29691-04-04 | G1/4"X19 | 6 | 04 | 30 | 8 | 38 | 19 | 19 | |
| 29691-04-05 | G1/4"X19 | 8 | 05 | 34 | 8 | 41 | 19 | 19 | |
| 29691-06-06 | G3/8"X19 | 10 | 06 | 35.6 | 9 | 45.8 | 22 | 22 | |
| 29691-08-08 | G1/2"X14 | 12 | 08 | 41 | 12 | 53 | 27 | 27 | |
| 29691-10-10 | G5/8"X14 | 16 | 10 | 56.5 | 11.5 | 61 | 30 | 30 | |
| 29691-12-12 | G3/4"X14 | 20 | 12 | 65.5 | 13.5 | 69 | 32 | 32 | |
| 29691-16-16 | G1"X11 | 25 | 16 | 76.7 | 16 | 76.5 | 41 | 41 | |
| 29691-20-20W | G1.1/4"X11 | 32 | 20 | 91.5 | 18.5 | 92.5 | 50 | 50 | |
| 29691-24-24W | G1.1/2"X11 | 40 | 24 | 109.4 | 19 | 110.5 | 55 | 55 | |
| 29691-32-32W | G2"X11 | 50 | 32 | 131.8 | 23 | 133.8 | 70 | 70 | |
| 1. 29692-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29692-xx-xx. | | | | | | | | | |

HOSE FITTING

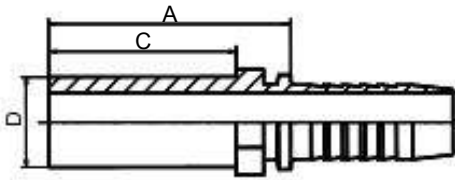


40011

SOCKET WELD HOSE FITTING

| PART NO. | D TUBE O.D. | HOSE BORE | | DIMENSIONS | | | |
|---|----------------|-----------|------|------------|---|--|--|
| | | DN | DASH | A | B | | |
| 40011-08-04 | 8 | 6 | 04 | 14.5 | 5 | | |
| 40011-09-04 | 9 | 6 | 04 | 14.5 | 5 | | |
| 40011-10-04 | 10 | 6 | 04 | 14.5 | 5 | | |
| 40011-10-05 | 10 | 8 | 05 | 12.5 | 5 | | |
| 40011-13-05 | 13 | 8 | 05 | 15 | 5 | | |
| 40011-15-06 | 15 | 10 | 06 | 15.5 | 5 | | |
| 40011-16-08 | 16 | 12 | 08 | 14 | 5 | | |
| 40011-20-08 | 20 | 12 | 08 | 16.5 | 5 | | |
| 40011-22-10 | 22 | 16 | 10 | 18 | 5 | | |
| <div> <div>1.</div> <div>2.</div> <div>40012-xx-xx</div> </div> <div>Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 40012-xx-xx.</div> | | | | | | | |

SWAGED HOSE FITTING

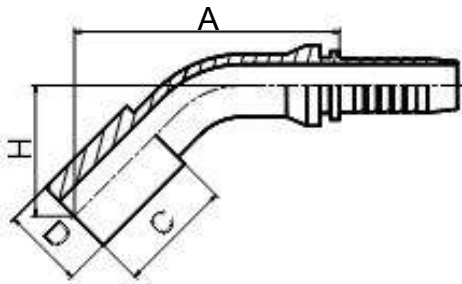


50011

METRIC STANDPIPE STRAIGHT DIN 2353

| D | | HOSE BORE | | DIMENSIONS | | | NOTE |
|--|-----------|-----------|------|------------|----|--|------|
| PART NO. | TUBE O.D. | DN | DASH | A | C | | |
| 50011-06-03 | 6 | 5 | 03 | 28.5 | 22 | | |
| 50011-06-04 | 6 | 6 | 04 | 29 | 22 | | |
| 50011-10-05 | 10 | 8 | 05 | 31 | 23 | | |
| 50011-10-06 | 10 | 10 | 06 | 32 | 23 | | |
| 50011-12-06 | 12 | 10 | 06 | 33.5 | 23 | | |
| 50011-12-08 | 12 | 12 | 08 | 33 | 23 | | |
| 50011-15-06 | 15 | 10 | 06 | 35.5 | 25 | | |
| 50011-15-08 | 15 | 12 | 08 | 35.5 | 25 | | |
| 50011-18-08 | 18 | 12 | 08 | 36.5 | 26 | | |
| 50011-18-10 | 18 | 16 | 10 | 41 | 26 | | |
| 50011-22-10 | 22 | 16 | 10 | 44 | 28 | | |
| 50011-22-12 | 22 | 20 | 12 | 44 | 28 | | |
| 50011-22-16 | 22 | 25 | 16 | 46 | 28 | | |
| 50011-28-16 | 28 | 25 | 16 | 47 | 30 | | |
| 50011-35-20 | 35 | 32 | 20 | 56 | 36 | | |
| 50011-42-24 | 42 | 40 | 24 | 62 | 40 | | |
| 50011-08-04 | 8 | 6 | 04 | 31 | 24 | | |
| 50011-08-05 | 8 | 8 | 05 | 33 | 24 | | |
| 50011-08-06 | 8 | 10 | 06 | 33 | 24 | | |
| 50011-10-04 | 10 | 6 | 04 | 35 | 26 | | |
| 50011-12-04 | 12 | 6 | 04 | 34.5 | 26 | | |
| 50011-12-05 | 12 | 8 | 05 | 35.5 | 26 | | |
| 50011-14-06 | 14 | 10 | 06 | 39.5 | 29 | | |
| 50011-14-08 | 14 | 12 | 08 | 40 | 29 | | |
| 50011-14-12 | 14 | 20 | 12 | 45.5 | 29 | | |
| 50011-16-08 | 16 | 12 | 08 | 41 | 30 | | |
| 50011-16-10 | 16 | 16 | 10 | 45.5 | 30 | | |
| 50011-20-10 | 20 | 16 | 10 | 52.5 | 36 | | |
| 50011-20-12 | 20 | 20 | 12 | 52.5 | 36 | | |
| 50011-25-12 | 25 | 20 | 12 | 56 | 40 | | |
| 50011-25-16 | 25 | 25 | 16 | 57 | 40 | | |
| 50011-30-16 | 30 | 25 | 16 | 63 | 44 | | |
| 50011-30-20 | 30 | 32 | 20 | 64 | 44 | | |
| 50011-38-16 | 38 | 25 | 16 | 69 | 50 | | |
| 50011-38-20 | 38 | 32 | 20 | 70 | 50 | | |
| 1. 2. 50012-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50012-xx-xx. | | | | | | | |

SWAGED HOSE FITTING



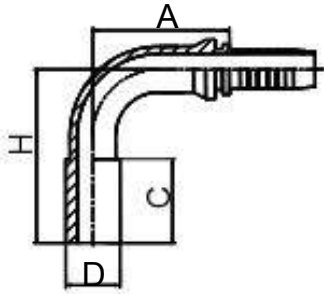
50041

45°

45°METRIC STANDPIPE STRAIGHT

| D | | HOSE BORE | | DIMENSIONS | | | NOTE |
|--|-----------|----------------|------|------------|----|------|------|
| PART NO. | TUBE O.D. | DN | DASH | A | C | H | |
| 50041-06-03 | 6 | 5 | 03 | 46 | 22 | 25.7 | |
| 50041-06-04 | 6 | 6 | 04 | 48.7 | 22 | 26.6 | |
| 50041-08-05 | 8 | 8 | 05 | 52.2 | 24 | 29.2 | |
| 50041-08-06 | 8 | 10 | 06 | 53.8 | 24 | 29.5 | |
| 50041-10-05 | 10 | 8 | 05 | 51.5 | 23 | 28.5 | |
| 50041-10-06 | 10 | 10 | 06 | 53.1 | 23 | 28.8 | |
| 50041-12-06 | 12 | 10 | 06 | 53.1 | 23 | 28.8 | |
| 50041-15-06 | 15 | 10 | 06 | 54.5 | 25 | 30.3 | |
| 50041-15-08 | 15 | 12 | 08 | 66.7 | 25 | 31.8 | |
| 50041-18-08 | 18 | 12 | 08 | 67.4 | 26 | 32.5 | |
| 50041-18-10 | 18 | 16 | 10 | 78.6 | 26 | 33.8 | |
| 50041-22-10 | 22 | 16 | 10 | 79.5 | 28 | 37.2 | |
| 50041-22-12 | 22 | 20 | 12 | 86.2 | 28 | 38.8 | |
| 50041-28-16 | 28 | 25 | 16 | 96.7 | 30 | 42.4 | |
| 50041-35-20 | 35 | 32 | 20 | 111.6 | 36 | 49.3 | |
| 50041-08-04 | 8 | 6 | 04 | 50.1 | 24 | 28 | |
| 50041-10-04 | 10 | 6 | 04 | 51.5 | 26 | 29.4 | |
| 50041-12-04 | 12 | 06 | 04 | 51.5 | 26 | 29.4 | |
| 50041-12-05 | 12 | 8 | 05 | 48.3 | 26 | 24.4 | |
| 50041-14-06 | 14 | 10 | 06 | 57.3 | 29 | 33.1 | |
| 50041-14-08 | 14 | 12 | 08 | 69.6 | 29 | 34.6 | |
| 50041-16-08 | 16 | 12 | 08 | 63.2 | 30 | 28.2 | |
| 50041-16-10 | 16 | 16 | 10 | 80.9 | 30 | 36.6 | |
| 50041-20-10 | 20 | 16 | 10 | 85.7 | 36 | 40.9 | |
| 50041-20-12 | 20 | 20 | 12 | 91.9 | 36 | 44.5 | |
| 50041-25-12 | 25 | 20 | 12 | 94.7 | 40 | 47.3 | |
| 50041-25-16 | 25 | 25 | 16 | 102.3 | 40 | 48.1 | |
| 50041-30-16 | 30 | 25 | 16 | 105.8 | 44 | 54.4 | |
| 50041-30-20 | 30 | 32 | 20 | 117.2 | 44 | 54.9 | |
| 50041-38-16 | 38 | 25 | 16 | 110 | 50 | 58.6 | |
| 50041-38-20 | 38 | 32 | 20 | 121.4 | 50 | 59.1 | |
| 1. | | 2. 50042-xx-xx | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50042-xx-xx. | | | | | | | |

SWAGED HOSE FITTING



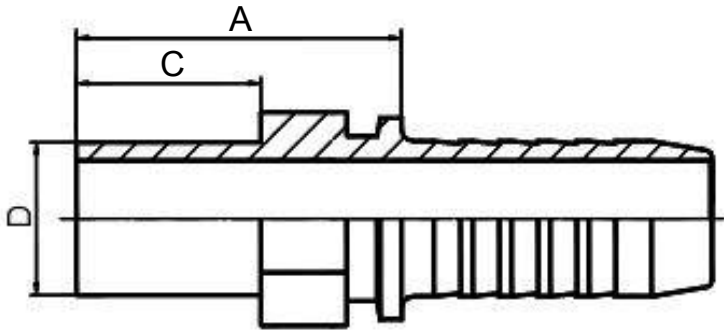
50091

90°

90°METRIC STANDPIPE STRAIGHT
DIN 2353

| D | | HOSE BORE | | DIMENSIONS | | | NOTE |
|--|-----------|-----------|------|------------|----|-------|------|
| PART NO. | TUBE O.D. | DN | DASH | A | C | H | |
| 50091-06-03 | 6 | 05 | 03 | 26.5 | 22 | 42.5 | |
| 50091-06-04 | 6 | 6 | 04 | 30 | 22 | 45.5 | |
| 50091-08-05 | 8 | 8 | 05 | 33 | 24 | 50.5 | |
| 50091-08-06 | 8 | 10 | 06 | 35.3 | 24 | 52.8 | |
| 50091-10-05 | 10 | 8 | 05 | 33 | 23 | 49.5 | |
| 50091-10-06 | 10 | 10 | 06 | 35.3 | 23 | 51.8 | |
| 50091-12-06 | 12 | 10 | 06 | 35.3 | 23 | 53.8 | |
| 50091-12-08 | 12 | 12 | 08 | 41 | 23 | 59 | |
| 50091-15-06 | 15 | 10 | 06 | 35.3 | 25 | 53.8 | |
| 50091-15-08 | 15 | 12 | 08 | 41 | 25 | 59 | |
| 50091-18-08 | 18 | 12 | 08 | 41 | 26 | 60 | |
| 50091-18-10 | 18 | 16 | 10 | 56.5 | 26 | 64.5 | |
| 50091-22-10 | 22 | 16 | 10 | 56.5 | 28 | 66.5 | |
| 50091-22-12 | 22 | 20 | 12 | 65.5 | 28 | 76 | |
| 50091-22-16 | 22 | 25 | 16 | 76.7 | 28 | 81.5 | |
| 50091-28-16 | 28 | 25 | 16 | 76.7 | 30 | 83.5 | |
| 50091-35-20 | 35 | 32 | 20 | 93 | 36 | 100.5 | |
| 50091-08-04 | 8 | 6 | 04 | 30 | 24 | 47.5 | |
| 50091-10-04 | 10 | 6 | 04 | 30 | 26 | 49.5 | |
| 50091-12-04 | 12 | 6 | 04 | 30 | 26 | 49.5 | |
| 50091-12-05 | 12 | 8 | 05 | 33 | 26 | 52.5 | |
| 50091-14-06 | 14 | 10 | 06 | 35.3 | 29 | 57.8 | |
| 50091-14-08 | 14 | 12 | 08 | 41 | 29 | 63 | |
| 50091-16-08 | 16 | 12 | 08 | 41 | 30 | 64 | |
| 50091-16-10 | 16 | 16 | 10 | 56.5 | 30 | 68.5 | |
| 50091-20-10 | 20 | 16 | 10 | 56.5 | 36 | 74.5 | |
| 50091-20-12 | 20 | 20 | 12 | 65.5 | 36 | 85 | |
| 50091-25-12 | 25 | 20 | 12 | 65.5 | 40 | 89 | |
| 50091-25-16 | 25 | 25 | 16 | 76.7 | 40 | 93.5 | |
| 50091-30-16 | 30 | 25 | 16 | 76.7 | 40 | 93.5 | |
| 50091-30-20 | 30 | 32 | 20 | 91.5 | 44 | 108.5 | |
| 50091-38-16 | 38 | 25 | 16 | 76.7 | 50 | 115.5 | |
| 50091-38-20 | 38 | 32 | 20 | 91.5 | 50 | 114.5 | |
| 1. 2. 50092-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50092-xx-xx. | | | | | | | |

HOSE FITTING

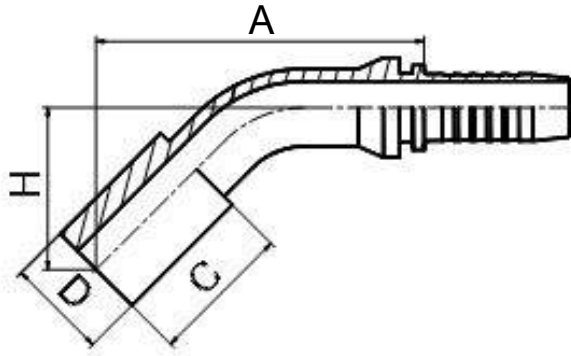


51011

GB METRIC STANDPIPE

| PART NO. | D TUBE O.D. | HOSE BORE | | | DIMENSIONS | | | |
|--|----------------|-----------|------|--|------------|----|--|--|
| | | DN | DASH | | A | C | | |
| 51011-04-03 | 4 | 5 | 03 | | 27 | 17 | | |
| 51011-06-03 | 6 | 5 | 03 | | 30.5 | 19 | | |
| 51011-06-04 | 6 | 6 | 04 | | 31 | 19 | | |
| 51011-08-04 | 8 | 6 | 04 | | 31 | 19 | | |
| 51011-08-05 | 8 | 8 | 05 | | 31.5 | 19 | | |
| 51011-08-06 | 8 | 10 | 06 | | 32 | 19 | | |
| 51011-10-04 | 10 | 6 | 04 | | 35 | 22 | | |
| 51011-10-05 | 10 | 8 | 05 | | 35 | 22 | | |
| 51011-10-06 | 10 | 10 | 06 | | 35 | 22 | | |
| 51011-12-05 | 12 | 8 | 05 | | 35 | 22 | | |
| 51011-12-06 | 12 | 10 | 06 | | 35 | 22 | | |
| 51011-14-06 | 14 | 10 | 06 | | 35 | 22 | | |
| 51011-14-08 | 14 | 12 | 08 | | 35.5 | 22 | | |
| 51011-16-06 | 16 | 10 | 06 | | 35 | 22 | | |
| 51011-16-08 | 16 | 12 | 08 | | 36 | 22 | | |
| 51011-16-10 | 16 | 16 | 10 | | 36.5 | 22 | | |
| 51011-16-12 | 16 | 20 | 12 | | 38 | 22 | | |
| 51011-18-12 | 18 | 20 | 12 | | 41.5 | 24 | | |
| 51011-22-12 | 22 | 20 | 12 | | 45 | 28 | | |
| 51011-22-14 | 22 | 22 | 14 | | 45 | 28 | | |
| 51011-28-16 | 28 | 25 | 16 | | 49 | 30 | | |
| 51011-34-20 | 34 | 32 | 20 | | 53 | 33 | | |
| 51011-42-24 | 42 | 40 | 24 | | 57 | 35 | | |
| <div> <div>1.</div> <div>2.</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>51012-xx-xx</div> <div>2.If use with spiral hoses, hose fitting series number is51012-xx-xx.</div> </div> | | | | | | | | |

HOSE FITTING



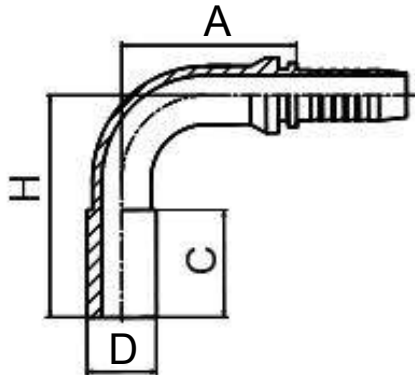
51041

45

GB METRIC 45STANDPIPE

| PART NO. | D TUBE O.D. | HOSE BORE | | | DIMENSIONS | | | |
|--|----------------|-----------|------|--|------------|----|------|--|
| | | DN | DASH | | A | C | H | |
| 51041-06-04 | 6 | 6 | 04 | | 46.6 | 19 | 26.6 | |
| 51041-08-04 | 8 | 6 | 04 | | 46.6 | 19 | 26.6 | |
| 51041-08-05 | 8 | 8 | 05 | | 48.7 | 19 | 25.7 | |
| 51041-10-04 | 10 | 6 | 04 | | 48.7 | 22 | 26.6 | |
| 51041-10-06 | 10 | 10 | 06 | | 52.4 | 22 | 28.1 | |
| 51041-12-06 | 12 | 10 | 06 | | 52.4 | 22 | 28.1 | |
| 51041-14-06 | 14 | 10 | 06 | | 52.4 | 22 | 28.1 | |
| 51041-14-08 | 14 | 12 | 08 | | 64.6 | 22 | 29.7 | |
| 51041-16-10 | 16 | 16 | 10 | | 75.8 | 22 | 31 | |
| 51041-18-12 | 18 | 20 | 12 | | 83.4 | 24 | 36 | |
| 51041-22-14 | 22 | 22 | 14 | | 86.7 | 28 | 38.3 | |
| 51041-28-16 | 28 | 25 | 16 | | 96.7 | 30 | 42.4 | |
| 51041-34-20 | 34 | 32 | 20 | | 109.5 | 33 | 47.2 | |
| 51041-42-24 | 42 | 40 | 24 | | 123.3 | 35 | 52.6 | |
| 1. 2. 51042-xx-xx | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 51042-xx-xx. | | | | | | | | |

HOSE FITTING



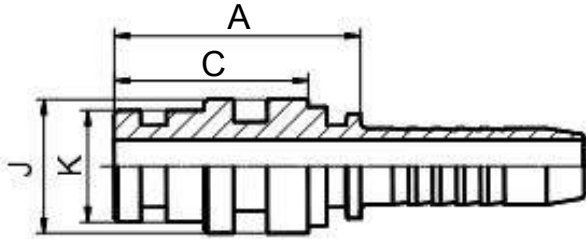
51091

90

GB METRIC 90STANDPIPE

| PART NO. | D TUBE O.D. | HOSE BORE | | | DIMENSIONS | | | |
|--|----------------|-----------|------|--|------------|----|------|--|
| | | DN | DASH | | A | C | H | |
| 51091-06-04 | 6 | 6 | 04 | | 30.5 | 19 | 42.5 | |
| 51091-06-06 | 6 | 10 | 06 | | 35.3 | 19 | 47.8 | |
| 51091-08-04 | 8 | 6 | 04 | | 30 | 19 | 42.5 | |
| 51091-08-05 | 8 | 8 | 05 | | 33 | 19 | 45.5 | |
| 51091-10-04 | 10 | 6 | 04 | | 30 | 22 | 45.5 | |
| 51091-10-06 | 10 | 10 | 06 | | 35.8 | 22 | 50.8 | |
| 51091-12-06 | 12 | 10 | 06 | | 35.3 | 22 | 50.8 | |
| 51091-12-08 | 12 | 12 | 08 | | 41 | 22 | 56 | |
| 51091-14-06 | 14 | 10 | 06 | | 35.3 | 22 | 50.8 | |
| 51091-14-08 | 14 | 12 | 08 | | 41 | 22 | 56 | |
| 51091-15-10 | 15 | 16 | 10 | | 56.5 | 26 | 64.5 | |
| 51091-16-08 | 16 | 12 | 08 | | 42 | 22 | 56 | |
| 51091-16-10 | 16 | 16 | 10 | | 56.5 | 22 | 60.5 | |
| 51091-18-10 | 18 | 16 | 10 | | 56.5 | 24 | 62.5 | |
| 51091-18-12 | 18 | 20 | 12 | | 64.9 | 24 | 72 | |
| 51091-22-14 | 22 | 22 | 14 | | 71.2 | 28 | 77 | |
| 51091-28-16 | 28 | 25 | 16 | | 76.7 | 30 | 83.5 | |
| 51091-34-20 | 34 | 32 | 20 | | 91.5 | 33 | 97.5 | |
| 51091-42-24 | 42 | 40 | 24 | | 109.4 | 35 | 113 | |
| 1. 2. 20142-xx-xx | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20142-xx-xx. | | | | | | | | |

SWAGED HOSE FITTING

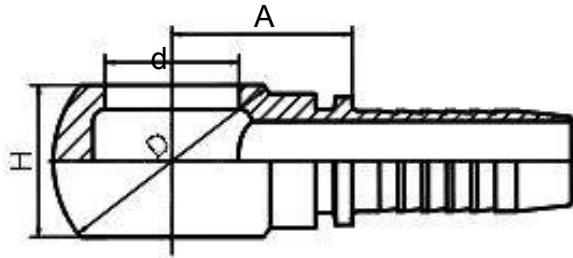


60011

MT STAPLE-LOK MALE

| PART NO. | HOSE BORE | | DIMENSIONS | | | |
|--|-----------|------|------------|----|----|----|
| | DN | DASH | A | C | J | K |
| 60011-04-04 | 6 | 04 | 31 | 25 | 15 | 11 |
| 60011-05-05 | 8 | 05 | 33.5 | 26 | 18 | 13 |
| 60011-06-06 | 10 | 06 | 33 | 26 | 18 | 15 |
| 60011-08-06 | 10 | 06 | 33.5 | 26 | 22 | 18 |
| 60011-08-08 | 12 | 08 | 34 | 26 | 22 | 18 |
| 60011-10-10 | 16 | 10 | 38.5 | 30 | 25 | 20 |
| 60011-12-12 | 20 | 12 | 40.5 | 31 | 28 | 24 |
| 60011-16-14 | 22 | 14 | 41 | 31 | 35 | 30 |
| 60011-16-16 | 25 | 16 | 41 | 31 | 35 | 30 |
| 1. 60012-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 60012-xx-xx. | | | | | | |

SWAGED HOSE FITTING

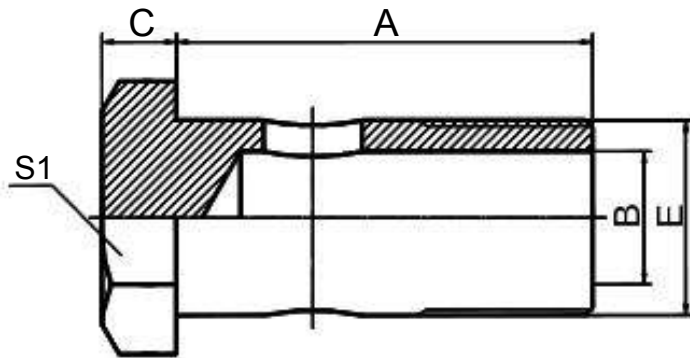


70011

METRIC BANJO
DIN 7642

| PART NO. | BOLT | HOSE BORE | | | DIMENSIONS | | | |
|--|---------|-----------|------|--|------------|------|----|----|
| | | DN | DASH | | A | d | D | H |
| 70011-10-03 | M10X1 | 5 | 03 | | 14.5 | 10.1 | 17 | 10 |
| 70011-10-04 | M10X1 | 6 | 04 | | 17 | 10.1 | 17 | 10 |
| 70011-12-04 | M12X1.5 | 6 | 04 | | 20.5 | 12.1 | 20 | 12 |
| 70011-12-05 | M12X1.5 | 8 | 05 | | 20.5 | 12.1 | 20 | 12 |
| 70011-12-06 | M12X1.5 | 10 | 06 | | 20.5 | 12.1 | 20 | 12 |
| 70011-14-04 | M14X1.5 | 6 | 04 | | 19 | 14.1 | 24 | 14 |
| 70011-14-05 | M14X1.5 | 8 | 05 | | 19 | 14.1 | 24 | 14 |
| 70011-14-06 | M14X1.5 | 10 | 06 | | 21 | 14.1 | 24 | 14 |
| 70011-16-04 | M16X1.5 | 6 | 04 | | 20.5 | 16.1 | 28 | 16 |
| 70011-16-05 | M16X1.5 | 8 | 05 | | 20.5 | 16.1 | 28 | 16 |
| 70011-16-06 | M16X1.5 | 10 | 06 | | 20.5 | 16.1 | 28 | 16 |
| 70011-18-04 | M18X1.5 | 6 | 04 | | 23 | 18.1 | 32 | 20 |
| 70011-18-05 | M18X1.5 | 8 | 05 | | 24 | 18.1 | 32 | 20 |
| 70011-18-06 | M18X1.5 | 10 | 06 | | 24 | 18.1 | 32 | 20 |
| 70011-18-08 | M18X1.5 | 12 | 08 | | 24.5 | 18.1 | 32 | 20 |
| 70011-22-06 | M22X1.5 | 10 | 06 | | 28.1 | 22.1 | 39 | 25 |
| 70011-22-08 | M22X1.5 | 12 | 08 | | 28.5 | 22.1 | 39 | 25 |
| 70011-22-10 | M22X1.5 | 16 | 10 | | 27.5 | 22.1 | 39 | 25 |
| 70011-26-12 | M26X1.5 | 20 | 12 | | 30.5 | 26.1 | 46 | 30 |
| 70011-30-16 | M30X1.5 | 25 | 16 | | 37 | 30.1 | 54 | 36 |
| 70011-30-20 | M30X1.5 | 32 | 20 | | 41 | 30.1 | 54 | 36 |
| <div> <div>1.</div> <div>2.</div> <div>70012-xx-xx</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is70012-xx-xx.</div> </div> | | | | | | | | |

HOSE FITTING

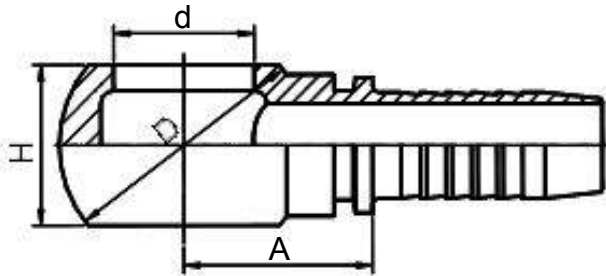


700M

METRIC BOLT
DIN 7643

| E | | | | DIMENSIONS | | | |
|----------|---------|---|----|------------|-----|----|--|
| PART NO. | THREAD | E | A | B | C | S1 | |
| 700M-10 | M10X1 | | 19 | 4 | 6 | 17 | |
| 700M-12 | M12X1.5 | | 24 | 6 | 6 | 17 | |
| 700M-14 | M14X1.5 | | 26 | 8 | 7 | 19 | |
| 700M-16 | M16X1.5 | | 28 | 9 | 7.5 | 22 | |
| 700M-18 | M18X1.5 | | 32 | 11 | 8 | 24 | |
| 700M-22 | M22X1.5 | | 39 | 14 | 9 | 27 | |
| 700M-26 | M26X1.5 | | 45 | 18 | 10 | 32 | |
| 700M-30 | M30X1.5 | | 51 | 22 | 11 | 38 | |

HOSE FITTING

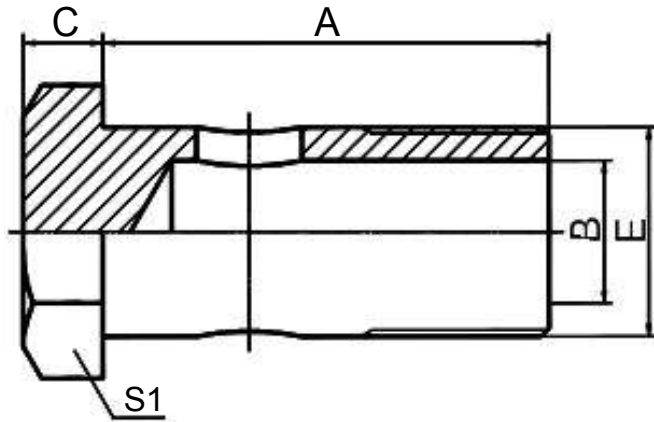


71011

JB METRIC BANJO

| PART NO. | BOLT | HOSE BORE | | | DIMENSIONS | | | |
|-------------------------------------|---------|-----------------------------|------|--|------------|----|----|----|
| | | DN | DASH | | A | d | D | H |
| 71011-06-04 | M6X1 | 6 | 04 | | 16 | 6 | 18 | 12 |
| 71011-08-04 | M8X1 | 6 | 04 | | 17 | 8 | 20 | 13 |
| 71011-10-04 | M10X1 | 6 | 04 | | 19 | 10 | 22 | 13 |
| 71011-10-05 | M10X1 | 8 | 05 | | 19 | 10 | 22 | 13 |
| 71011-10-06 | M10X1 | 10 | 06 | | 19 | 10 | 22 | 13 |
| 71011-12-06 | M12X1.5 | 10 | 06 | | 21 | 12 | 26 | 15 |
| 71011-14-04 | M14X1.5 | 6 | 04 | | 20.5 | 14 | 28 | 18 |
| 71011-14-05 | M14X1.5 | 8 | 05 | | 21.5 | 14 | 28 | 18 |
| 71011-14-06 | M14X1.5 | 10 | 06 | | 21.5 | 14 | 28 | 18 |
| 71011-14-08 | M14X1.5 | 12 | 08 | | 22.5 | 14 | 28 | 18 |
| 71011-16-05 | M16X1.5 | 8 | 05 | | 22.5 | 16 | 32 | 18 |
| 71011-16-08 | M16X1.5 | 12 | 08 | | 25 | 16 | 32 | 18 |
| 71011-18-06 | M18X1.5 | 10 | 06 | | 26.5 | 18 | 36 | 22 |
| 71011-18-08 | M18X1.5 | 12 | 08 | | 27 | 18 | 36 | 22 |
| 71011-18-10 | M18X1.5 | 16 | 10 | | 27.5 | 18 | 36 | 22 |
| 71011-20-06 | M20X1.5 | 10 | 06 | | 29.5 | 20 | 36 | 22 |
| 71011-20-08 | M20X1.5 | 12 | 08 | | 30 | 20 | 36 | 22 |
| 71011-22-10 | M22X1.5 | 16 | 10 | | 30.5 | 22 | 46 | 30 |
| 71011-22-12 | M22X1.5 | 20 | 12 | | 31 | 22 | 46 | 30 |
| 71011-27-10 | M27X2 | 16 | 10 | | 36.5 | 27 | 56 | 36 |
| 71011-27-14 | M27X2 | 22 | 14 | | 36 | 27 | 56 | 36 |
| 71011-27-16 | M27X2 | 25 | 16 | | 36 | 27 | 56 | 36 |
| 71011-33-12 | M33X2 | 20 | 12 | | 43 | 33 | 64 | 50 |
| 71011-42-20 | M42X2 | 32 | 20 | | 54 | 42 | 78 | 64 |
| 1. | | 2.7 | | 1012-xx-xx | | | | |
| Note: 1.For use with braided hoses. | | 2.If use with spiral hoses, | | hose fitting series number is 71012-xx-xx. | | | | |

HOSE FITTING

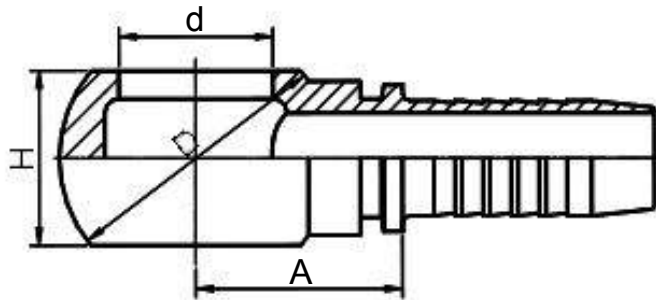


710M

JB METRIC BOLT

| PART NO. | E THREAD E | DIMENSIONS | | | |
|----------|---------------|------------|----|----|----|
| | | A | B | C | S1 |
| 710M-10 | M10X1 | 25 | 4 | 6 | 17 |
| 710M-14 | M14X1.5 | 32 | 8 | 7 | 19 |
| 710M-18 | M18X1.5 | 38 | 11 | 8 | 24 |
| 710M-22 | M22X1.5 | 48 | 14 | 9 | 30 |
| 710M-27 | M27X2 | 60 | 18 | 10 | 36 |
| 710M-33 | M33X2 | 63 | 22 | 12 | 41 |
| 710M-42 | M42X2 | 85 | 28 | 14 | 55 |

HOSE FITTING

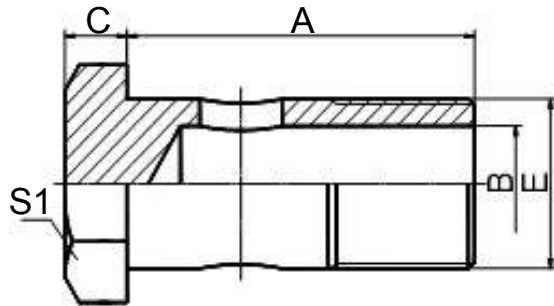


72011

BSP BANJO

| PART NO. | E THREAD E | HOSE BORE | | | DIMENSIONS | | | |
|---|---------------|-----------|------|--|------------|------|----|----|
| | | DN | DASH | | A | d | D | H |
| 72011-02-03 | G1/8"X28 | 5 | 03 | | 18 | 9.9 | 24 | 16 |
| 72011-02-04 | G1/8"X28 | 6 | 04 | | 18.5 | 9.9 | 24 | 16 |
| 72011-04-03 | G1/4"X19 | 5 | 03 | | 19 | 13.3 | 24 | 15 |
| 72011-04-04 | G1/4"X19 | 6 | 04 | | 19.5 | 13.3 | 24 | 15 |
| 72011-04-05 | G1/4"X19 | 8 | 05 | | 19.5 | 13.3 | 24 | 15 |
| 72011-04-06 | G1/4"X19 | 10 | 06 | | 19.5 | 13.3 | 24 | 15 |
| 72011-06-04 | G3/8"X19 | 6 | 04 | | 22 | 16.7 | 29 | 20 |
| 72011-06-05 | G3/8"X19 | 8 | 05 | | 22 | 16.7 | 29 | 20 |
| 72011-06-06 | G3/8"X19 | 10 | 06 | | 22 | 16.7 | 29 | 20 |
| 72011-06-08 | G3/8"X19 | 12 | 08 | | 23 | 16.7 | 29 | 20 |
| 72011-08-05 | G1/2"X14 | 8 | 05 | | 27.5 | 21 | 38 | 25 |
| 72011-08-06 | G1/2"X14 | 10 | 06 | | 27.5 | 21 | 38 | 25 |
| 72011-08-08 | G1/2"X14 | 12 | 08 | | 28 | 21 | 38 | 25 |
| 72011-08-10 | G1/2"X14 | 16 | 10 | | 29 | 21 | 38 | 25 |
| 72011-10-10 | G5/8"X14 | 16 | 10 | | 28 | 23 | 40 | 27 |
| 72011-12-10 | G3/4"X14 | 16 | 10 | | 32 | 26.5 | 48 | 31 |
| 72011-12-12 | G3/4"X14 | 20 | 12 | | 32 | 26.5 | 48 | 31 |
| 72011-16-08 | G1"X11 | 12 | 08 | | 40 | 33.3 | 60 | 42 |
| 72011-16-12 | G1"X11 | 20 | 12 | | 40 | 33.3 | 60 | 42 |
| 72011-16-16 | G1"X11 | 25 | 16 | | 41 | 33.3 | 60 | 42 |
| <div> <div>1.</div> <div>2.7</div> <div>2012-xx-xx</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 72012-xx-xx.</div> </div> | | | | | | | | |

HOSE FITTING

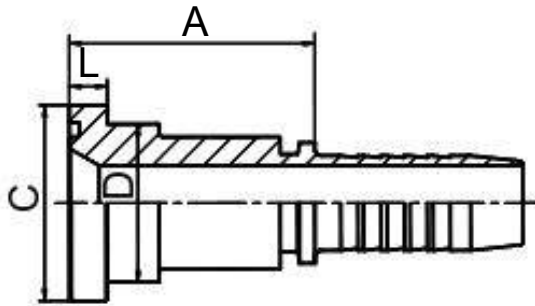


720B

BSP BOLT

| PART NO. | E THREAD E | DIMENSIONS | | | | | | |
|----------|---------------|------------|--|------|-----|-----|----|--|
| | | | | A | B | C | S1 | |
| 720B-02 | G1/8"X28 | | | 29.5 | 4.8 | 4.8 | 14 | |
| 720B-04 | G1/4"X19 | | | 28.5 | 6 | 6 | 19 | |
| 720B-06 | G3/8"X19 | | | 38.5 | 9 | 7 | 22 | |
| 720B-08 | G1/2"X14 | | | 44 | 13 | 8.5 | 27 | |
| 720B-10 | G5/8"X14 | | | 48.5 | 15 | 10 | 30 | |
| 720B-12 | G3/4"X14 | | | 56 | 18 | 10 | 32 | |
| 720B-16 | G1"X11 | | | 68.5 | 22 | 13 | 41 | |

SWAGED HOSE FITTING

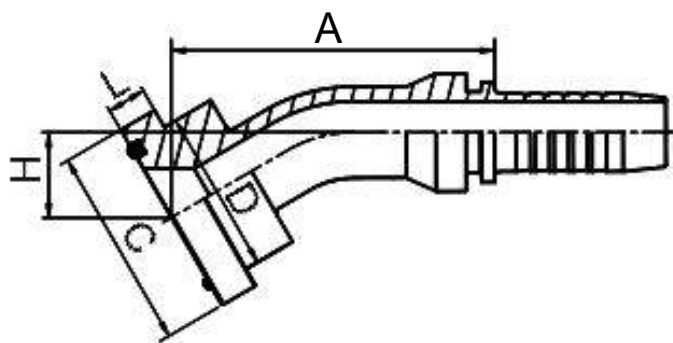


87311

SAE 3000 PSI
SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | |
|--|----------------|-----------|------|--|------------|------|------|------|
| | | DN | DASH | | A | C | D | L |
| 87311-08-08 | 1/2" | 12 | 08 | | 46 | 30.2 | 24 | 6.73 |
| 87311-12-08 | 3/4" | 12 | 08 | | 47 | 38.1 | 31.7 | 6.73 |
| 87311-12-10 | 3/4" | 16 | 10 | | 48 | 38.1 | 31.7 | 6.73 |
| 87311-12-12 | 3/4" | 20 | 12 | | 48 | 38.1 | 31.7 | 6.73 |
| 87311-12-16 | 3/4" | 25 | 16 | | 49 | 38.1 | 31.7 | 6.73 |
| 87311-16-12 | 1" | 20 | 12 | | 51 | 44.4 | 38 | 8 |
| 87311-16-16 | 1" | 25 | 16 | | 52 | 44.4 | 38 | 8 |
| 87311-16-20 | 1" | 32 | 20 | | 53 | 44.4 | 38 | 8 |
| 87311-20-16 | 1.1/4" | 25 | 16 | | 57 | 50.8 | 43 | 8 |
| 87311-20-20 | 1.1/4" | 32 | 20 | | 58 | 50.8 | 43 | 8 |
| 87311-24-20 | 1.1/2" | 32 | 20 | | 68 | 60.3 | 50 | 8 |
| 87311-24-24 | 1.1/2" | 40 | 24 | | 68 | 60.3 | 50 | 8 |
| 87311-32-24 | 2" | 40 | 24 | | 70 | 71.4 | 62 | 9.53 |
| 87311-32-32 | 2" | 50 | 32 | | 70 | 71.4 | 62 | 9.53 |
| 87311-40-40 | 2.1/2" | 64 | 40 | | 76 | 84.1 | 74 | 9.53 |
| 1. | 2. 87312-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87312-xx-xx. | | | | | | | | |

HOSE FITTING

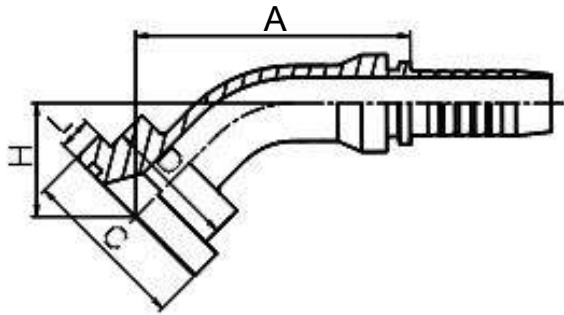


87331

30SAE 3000 PSI
30SAE FLANGE 3000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | O | DIMENSIONS | | | | |
|--|-------------|-----------|------|------------|------------|------|------|------|-----|
| | | DN | DASH | O RING | A | C | D | H | L |
| 87331-08-08 | 1/2" | 12 | 08 | 18.64X3.53 | | 30.2 | 23.9 | 14.7 | 7 |
| 87331-12-12 | 3/4" | 20 | 12 | 24.99X3.53 | | 38.1 | 31.7 | 18.3 | 7 |
| 87331-16-12 | 1" | 20 | 12 | 32.92X3.53 | | 44.4 | 38 | 18.3 | 8.2 |
| 87331-16-16 | 1" | 25 | 16 | 32.92X3.53 | | 44.4 | 38 | 18.3 | 8.2 |
| 87331-20-16 | 1.1/4" | 25 | 16 | 37.69X3.53 | | 50.8 | 43.2 | 18.3 | 8.2 |
| 87331-20-20 | 1.1/4" | 32 | 20 | 37.69X3.53 | | 50.8 | 43.2 | 20.5 | 8.2 |
| 87331-24-20 | 1.1/2" | 32 | 20 | 47.22X3.53 | | 60.3 | 50.3 | 23 | 8.2 |
| 87331-24-24 | 1.1/2" | 40 | 24 | 47.22X3.53 | | 60.3 | 50.3 | 24.8 | 8.2 |
| 87331-32-32 | 2" | 50 | 32 | 56.74X3.53 | | 71.4 | 62.2 | 28.6 | 9.8 |
| <div>1.</div> <div>2.8</div> <div>7332-xx-xx</div> <div>Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87332-xx-xx.</div> | | | | | | | | | |

SWAGED HOSE FITTING

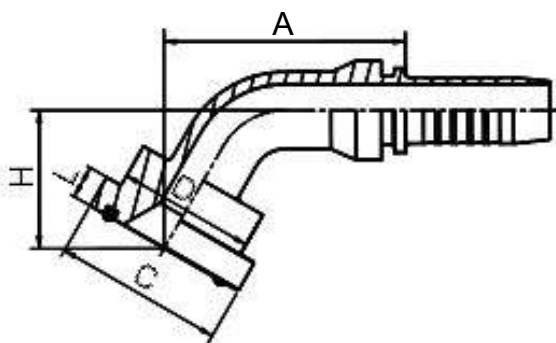


87341

45SAE 3000 PSI
45SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--|-------------|-----------|------|--|------------|------|------|------|------|
| | | DN | DASH | | A | C | D | H | L |
| 87341-08-08 | 1/2" | 12 | 08 | | 58.2 | 30.2 | 24 | 23.3 | 6.73 |
| 87341-12-08 | 3/4" | 12 | 08 | | 58.9 | 38.1 | 31.7 | 24 | 6.73 |
| 87341-12-10 | 3/4" | 16 | 10 | | 69.6 | 38.1 | 31.7 | 25.3 | 6.73 |
| 87341-12-12 | 3/4" | 20 | 12 | | 76.3 | 38.1 | 31.7 | 28.9 | 6.73 |
| 87341-16-12 | 1" | 20 | 12 | | 76.3 | 44.4 | 38 | 28.9 | 8 |
| 87341-16-16 | 1" | 25 | 16 | | 83.9 | 44.4 | 38 | 29.7 | 8 |
| 87341-16-20 | 1" | 32 | 20 | | 94.5 | 44.4 | 38 | 33.8 | 8 |
| 87341-20-16 | 1.1/4" | 25 | 16 | | 85.2 | 50.8 | 43 | 29.7 | 8 |
| 87341-20-20 | 1.1/4" | 32 | 20 | | 94.5 | 50.8 | 43 | 33.8 | 8 |
| 87341-24-20 | 1.1/2" | 32 | 20 | | 95.9 | 60.3 | 50 | 35.2 | 8 |
| 87341-24-24 | 1.1/2" | 40 | 24 | | 109.9 | 60.3 | 50 | 39.1 | 8 |
| 87341-32-24 | 2" | 40 | 24 | | 109.9 | 71.4 | 62 | 39.1 | 9.53 |
| 87341-32-32 | 2" | 50 | 32 | | 129.3 | 71.4 | 62 | 46.3 | 9.53 |
| 1. 87342-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87342-xx-xx. | | | | | | | | | |

HOSE FITTING

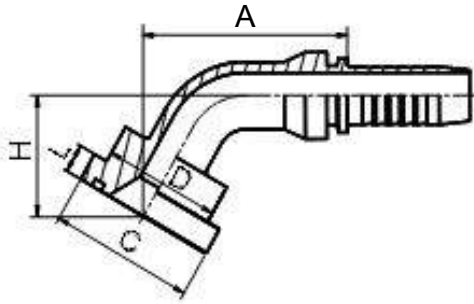


87361

60SAE 3000 PSI
60SAE FLANGE 3000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | O | DIMENSIONS | | | | |
|---|-------------|-----------|------|------------|------------|------|------|------|-----|
| | | DN | DASH | O RING | A | C | D | H | L |
| 87361-08-08 | 1/2" | 12 | 08 | 18.64X3.53 | | 30.2 | 23.9 | 31.9 | 7 |
| 87361-12-08 | 3/4" | 12 | 08 | 24.99X3.53 | | 38.1 | 31.7 | 33.6 | 7 |
| 87361-12-12 | 3/4" | 20 | 12 | 24.99X3.53 | | 38.1 | 31.7 | 41.4 | 7 |
| 87361-12-16 | 3/4" | 25 | 16 | 24.99X3.53 | | 38.1 | 31.7 | | 7 |
| 87361-16-12 | 1" | 20 | 12 | 32.92X3.53 | | 44.4 | 38 | 41.4 | 8.2 |
| 87361-16-16 | 1" | 25 | 16 | 32.92X3.53 | | 44.4 | 38 | 43.4 | 8.2 |
| 87361-16-20 | 1" | 32 | 20 | 32.92X3.53 | | 44.4 | 38 | | 8.2 |
| 87361-20-16 | 1.1/4" | 25 | 16 | 37.69X3.53 | | 50.8 | 43.2 | 43.4 | 8.2 |
| 87361-20-20 | 1.1/4" | 32 | 20 | 37.69X3.53 | | 50.8 | 43.2 | 49.6 | 8.2 |
| 87361-20-24 | 1.1/4" | 40 | 24 | 37.69X3.53 | | 50.8 | 43.2 | | 8.2 |
| 87361-24-20 | 1.1/2" | 32 | 20 | 47.22X3.53 | | 60.3 | 50.3 | 53.9 | 8.2 |
| 87361-24-24 | 1.1/2" | 40 | 24 | 47.22X3.53 | | 60.3 | 50.3 | 60.7 | 8.2 |
| 87361-32-24 | 2" | 40 | 24 | 56.74X3.53 | | 71.4 | 62.2 | 60.7 | 9.8 |
| 87361-32-32 | 2" | 50 | 32 | 56.74X3.53 | | 71.4 | 62.2 | 71.9 | 9.8 |
| 87361-40-32 | 2.1/2" | 50 | 32 | 69.44X3.53 | | 84.1 | 74.4 | | 9.8 |
| <div> <div>1.</div> <div>2.8</div> <div>7362-xx-xx</div> </div> <div> <div>Note: 1.For use with braided hoses.</div> <div>2.If use with spiral hoses, hose fitting series number is 87362-xx-xx.</div> </div> | | | | | | | | | |

HOSE FITTING

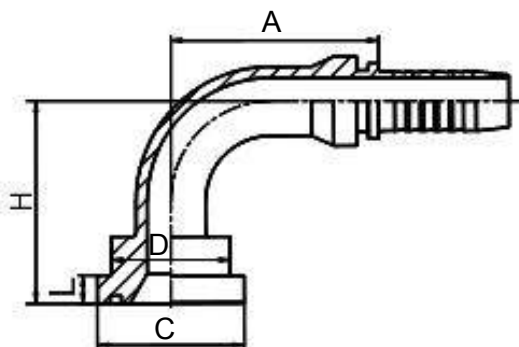


87361 (V62. 5)

62.5SAE 3000 PSI
62.5SAE FLANGE 3000
PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--------------------|-------------|-----------|------|--|------------|------|----|------|------|
| | | DN | DASH | | A | C | D | H | L |
| 87361-12-12(V62.5) | 3/4" | 20 | 12 | | 102.2 | 38.1 | 32 | 42.4 | 6.73 |
| 87361-16-16(V62.5) | 1" | 25 | 16 | | 105 | 44.4 | 38 | 44.7 | 8 |
| 87361-20-20(V62.5) | 1.1/4" | 32 | 20 | | 122.8 | 50.8 | 43 | 51.3 | 8 |
| 87361-24-24(V62.5) | 1.1/2" | 40 | 24 | | 146.6 | 60.3 | 50 | 60.4 | 8 |

SWAGED HOSE FITTING

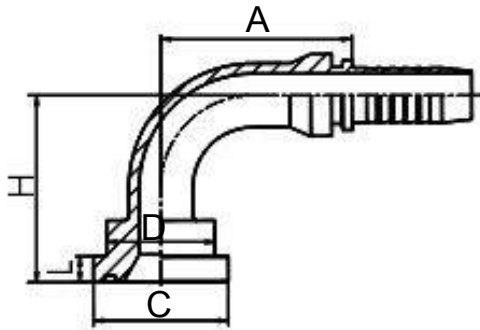


87391

90SAE 3000 PSI
90SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--|----------------|-----------|------|--|------------|------|------|-------|------|
| | | DN | DASH | | A | C | D | H | L |
| 87391-08-08 | 1/2" | 12 | 08 | | 41 | 30.2 | 24 | 47 | 6.73 |
| 87391-12-08 | 3/4" | 12 | 08 | | 41 | 38.1 | 31.7 | 48 | 6.73 |
| 87391-12-10 | 3/4" | 16 | 10 | | 56 | 38.1 | 31.7 | 52.5 | 6.73 |
| 87391-12-12 | 3/4" | 20 | 12 | | 66.2 | 38.1 | 31.7 | 62 | 6.73 |
| 87391-12-16 | 3/4" | 25 | 16 | | 76.7 | 38.1 | 31.7 | 67.5 | 6.73 |
| 87391-16-12 | 1" | 20 | 12 | | 65.5 | 44.4 | 38 | 62 | 8 |
| 87391-16-16 | 1" | 25 | 16 | | 76.7 | 44.4 | 38 | 67.5 | 8 |
| 87391-16-20 | 1" | 32 | 20 | | 91.5 | 44.4 | 38 | 78.5 | 8 |
| 87391-20-16 | 1.1/4" | 25 | 16 | | 76.7 | 50.8 | 43 | 67.5 | 8 |
| 87391-20-20 | 1.1/4" | 32 | 20 | | 91.5 | 50.8 | 43 | 78.5 | 8 |
| 87391-20-24 | 1.1/4" | 40 | 24 | | 107 | 50.8 | 43 | 78.5 | 8 |
| 87391-24-20 | 1.1/2" | 32 | 20 | | 91.5 | 60.3 | 50 | 80.5 | 8 |
| 87391-24-24 | 1.1/2" | 40 | 24 | | 109.4 | 60.3 | 50 | 94 | 8 |
| 87391-32-24 | 2" | 40 | 24 | | 109.4 | 71.4 | 62 | 94 | 9.53 |
| 87391-32-32 | 2" | 50 | 32 | | 131.8 | 71.4 | 62 | 114.3 | 9.53 |
| 87391-40-32 | 2.1/2" | 50 | 32 | | 131.8 | 84.1 | 74.4 | 116.3 | 9.53 |
| 1. | 2. 87392-xx-xx | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87392-xx-xx. | | | | | | | | | |

HOSE FITTING

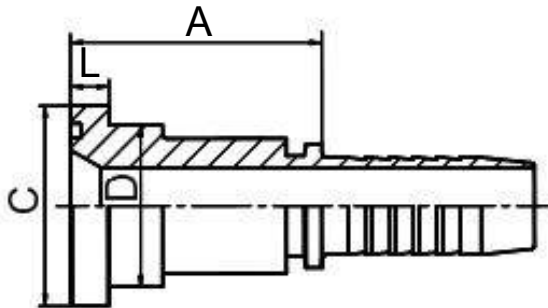


87391-H

90 SAE 3000 PSI
90 SAE FLANGE 3000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|-------------------|-------------|-----------|------|--|------------|------|----|-----|------|
| | | DN | DASH | | A | C | D | H | L |
| 87391-12-12(H90) | 3/4" | 20 | 12 | | 65.5 | 38.1 | 32 | 90 | 6.73 |
| 87391-12-12(H100) | 3/4" | 20 | 12 | | 65.5 | 38.1 | 32 | 100 | 6.73 |
| 87391-12-12(H127) | 3/4" | 20 | 12 | | 65.5 | 38.1 | 32 | 127 | 6.73 |
| 87391-12-12(H150) | 3/4" | 20 | 12 | | 65.5 | 38.1 | 32 | 150 | 6.73 |
| 87391-16-16(H100) | 1" | 25 | 16 | | 76.7 | 44.4 | 38 | 100 | 8 |
| 87391-16-16(H127) | 1" | 25 | 16 | | 76.7 | 44.4 | 38 | 127 | 8 |
| 87391-16-16(H150) | 1" | 25 | 16 | | 76.7 | 44.4 | 38 | 150 | 8 |
| 87391-20-20(H100) | 1.1/4" | 32 | 20 | | 91.5 | 50.8 | 43 | 100 | 8 |
| 87391-20-20(H127) | 1.1/4" | 32 | 20 | | 91.5 | 50.8 | 43 | 127 | 8 |
| 87391-20-20(H150) | 1.1/4" | 32 | 20 | | 91.5 | 50.8 | 43 | 150 | 8 |
| 87391-24-24(H127) | 1.1/2" | 40 | 24 | | 109.4 | 60.3 | 50 | 127 | 8 |

SWAGED HOSE FITTING

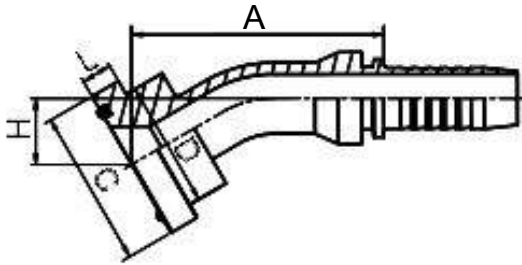


87611

SAE 6000 PSI
SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | D IMENSIONS | | | | |
|--|-------------|-----------|------|--|-------------|------|----|-------|--|
| | | DN | DASH | | A | C | D | L | |
| 87611-08-08 | 1/2" | 12 | 08 | | 47 | 31.7 | 24 | 7.75 | |
| 87611-12-10 | 3/4" | 16 | 10 | | 50.5 | 41.3 | 32 | 8.76 | |
| 87611-12-12 | 3/4" | 20 | 12 | | 51 | 41.3 | 32 | 8.76 | |
| 87611-16-12 | 1" | 20 | 12 | | 56 | 47.6 | 38 | 9.53 | |
| 87611-16-16 | 1" | 25 | 16 | | 57 | 47.6 | 38 | 9.53 | |
| 87611-16-20 | 1" | 32 | 20 | | 61 | 47.6 | 38 | 9.53 | |
| 87611-20-16 | 1.1/4" | 25 | 16 | | 65 | 54 | 44 | 10.29 | |
| 87611-20-20 | 1.1/4" | 32 | 20 | | 66 | 54 | 44 | 10.29 | |
| 87611-24-20 | 1.1/2" | 32 | 20 | | 75 | 63.5 | 51 | 12.57 | |
| 87611-24-24 | 1.1/2" | 40 | 24 | | 75 | 63.5 | 51 | 12.57 | |
| 87611-32-24 | 2" | 40 | 24 | | 85 | 79.4 | 67 | 12.57 | |
| 87611-32-32 | 2" | 50 | 32 | | 85 | 79.4 | 67 | 12.57 | |
| 1. 87612-xx-xx | | | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87612-xx-xx. | | | | | | | | | |

HOSE FITTING

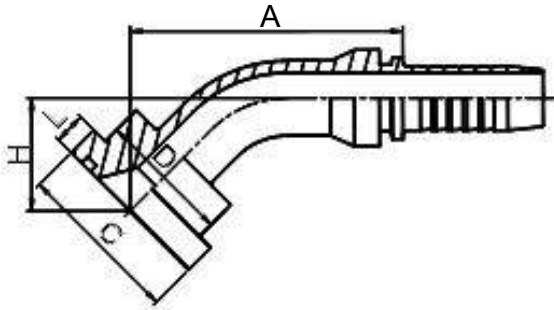


87631

30SAE 6000 PSI
30SAE FLANGE 6000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | O O RING | DIMENSIONS | | | | |
|-------------|-------------|-----------|------|-------------|------------|------|------|------|------|
| | | DN | DASH | | A | C | D | H | L |
| 87631-08-08 | 1/2" | 12 | 08 | 18.64X3.53 | | 31.7 | 23.9 | 15.7 | 7.9 |
| 87631-12-12 | 3/4" | 20 | 12 | 24.99X3.53 | | 41.3 | 31.7 | 19.8 | 8.9 |
| 87631-16-12 | 1" | 20 | 12 | 32.92X3.53 | | 47.6 | 38 | | 9.6 |
| 87631-16-16 | 1" | 25 | 16 | 32.92X3.53 | | 47.6 | 38 | 20.8 | 9.6 |
| 87631-16-20 | 1" | 32 | 20 | 32.92X3.53 | | 47.6 | 38 | | 9.6 |
| 87631-20-16 | 1.1/4" | 25 | 16 | 37.69X3.53 | | 54 | 43.6 | | 10.4 |
| 87631-20-20 | 1.1/4" | 32 | 20 | 37.69X3.53 | | 54 | 43.6 | 24 | 10.4 |
| 87631-24-20 | 1.1/2" | 32 | 20 | 47.22X3.53 | | 63.5 | 50.8 | 25.5 | 12.7 |
| 87631-24-24 | 1.1/2" | 40 | 24 | 47.22X3.53 | | 63.5 | 50.8 | 27.3 | 12.7 |
| 87631-32-24 | 2" | 40 | 24 | 56.74X3.53 | | 79.4 | 66.5 | 27.3 | 12.7 |
| 87631-32-32 | 2" | 50 | 32 | 56.74X3.53 | | 79.4 | 66.5 | 31.2 | 12.7 |

SWAGED HOSE FITTING

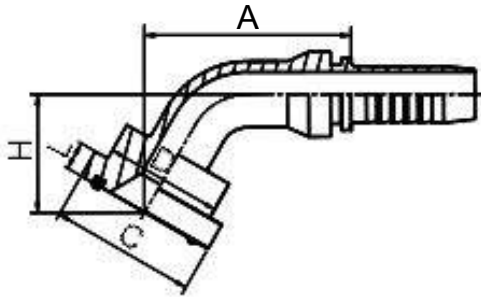


87641

45SAE 6000 PSI
45SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--|-------------|----------------|------|--|------------|------|----|------|-------|
| | | DN | DASH | | A | C | D | H | L |
| 87641-08-08 | 1/2" | 12 | 08 | | 58.9 | 31.7 | 24 | 24 | 7.75 |
| 87641-08-12 | 1/2" | 20 | 12 | | 77 | 31.7 | 24 | 29.6 | 7.75 |
| 87641-12-10 | 3/4" | 16 | 10 | | 72.5 | 41.3 | 32 | 28.2 | 8.76 |
| 87641-12-12 | 3/4" | 20 | 12 | | 79.2 | 41.3 | 32 | 31.8 | 8.76 |
| 87641-16-16 | 1" | 25 | 16 | | 88.9 | 47.6 | 38 | 34.7 | 9.53 |
| 87641-20-20 | 1.1/4" | 32 | 20 | | 102.3 | 54 | 44 | 41.5 | 10.29 |
| 87641-24-20 | 1.1/2" | 32 | 20 | | 105.8 | 63.5 | 51 | 45.1 | 12.57 |
| 87641-24-24 | 1.1/2" | 40 | 24 | | 119.8 | 63.5 | 51 | 49 | 12.57 |
| 87641-32-24 | 2" | 40 | 24 | | 125.4 | 79.4 | 67 | 54.7 | 12.57 |
| 87641-32-32 | 2" | 50 | 32 | | 144.8 | 79.4 | 67 | 61.9 | 12.57 |
| 1. | | 2. 87642-xx-xx | | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87642-xx-xx. | | | | | | | | | |

HOSE FITTING

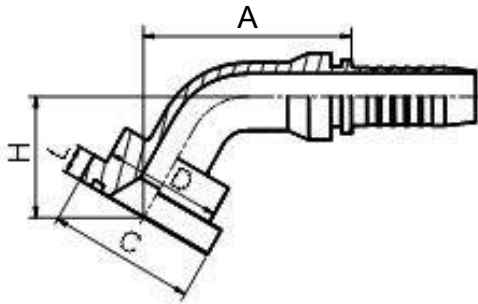


87661

60 SAE 6000 PSI
60 SAE FLANGE 6000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | O O RING | DIMENSIONS | | | | |
|-------------|-------------|-----------|------|-------------|------------|------|------|------|------|
| | | DN | DASH | | A | C | D | H | L |
| 87661-08-08 | 1/2" | 12 | 08 | 18.64X3.53 | | 31.7 | 23.9 | 33.6 | 7.9 |
| 87661-12-12 | 3/4" | 20 | 12 | 24.99X3.53 | | 41.3 | 31.7 | 44 | 8.9 |
| 87661-16-12 | 1" | 20 | 12 | 32.92X3.53 | | 47.6 | 38 | | 9.6 |
| 87661-16-16 | 1" | 25 | 16 | 32.92X3.53 | | 47.6 | 38 | 47.7 | 9.6 |
| 87661-16-20 | 1" | 32 | 20 | 32.92X3.53 | | 47.6 | 38 | | 9.6 |
| 87661-20-16 | 1.1/4" | 25 | 16 | 37.69X3.53 | | 54 | 43.6 | | 10.4 |
| 87661-20-20 | 1.1/4" | 32 | 20 | 37.69X3.53 | | 54 | 43.6 | 55.7 | 10.4 |
| 87661-24-20 | 1.1/2" | 32 | 20 | 47.22X3.53 | | 63.5 | 50.8 | 58.3 | 12.7 |
| 87661-24-24 | 1.1/2" | 40 | 24 | 47.22X3.53 | | 63.5 | 50.8 | 65 | 12.7 |
| 87661-32-24 | 2" | 40 | 24 | 56.74X3.53 | | 79.4 | 66.5 | 65 | 12.7 |
| 87661-32-32 | 2" | 50 | 32 | 56.74X3.53 | | 79.4 | 66.5 | 76.3 | 12.7 |

HOSE FITTING

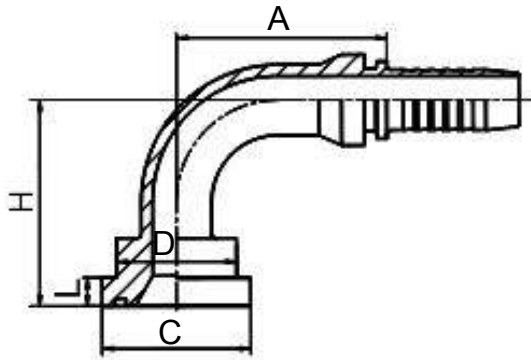


87661 (V62. 5)

62.5SAE 6000 PSI
62.5SAE FLANGE 6000
PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|---|-------------|-----------|------|--|------------|------|----|------|-------|
| | | DN | DASH | | A | C | D | H | L |
| 87661-12-12(V62.5) | 3/4" | 20 | 12 | | 93.3 | 41.3 | 32 | 46 | 8.76 |
| 87661-16-16(V62.5) | 1" | 25 | 16 | | 108.3 | 47.6 | 38 | 50.9 | 9.53 |
| 87661-20-20(V62.5) | 1.1/4" | 32 | 20 | | 127.8 | 54 | 44 | 61.1 | 10.29 |
| 87661-24-24(V62.5) | 1.1/2" | 40 | 24 | | 153 | 63.5 | 51 | 72.8 | 12.57 |
| 1. Note: 1.For use with braided hoses. 2.8 7662-xx-xx 2.If use with spiral hoses, hose fitting series number is 87662-xx-xx. | | | | | | | | | |

SWAGED HOSE FITTING

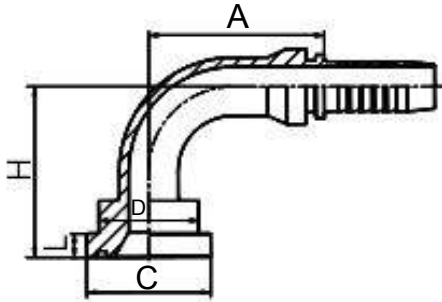


87691

90SAE 6000 PSI
90SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--|-------------|-----------|-------------|--|------------|------|----|-------|-------|
| | | DN | DASH | | A | C | D | H | L |
| 87691-08-08 | 1/2" | 12 | 08 | | 41 | 31.7 | 24 | 48 | 7.75 |
| 87691-12-10 | 3/4" | 16 | 10 | | 56 | 41.3 | 32 | 56.5 | 8.76 |
| 87691-12-12 | 3/4" | 20 | 12 | | 65.5 | 41.3 | 32 | 66 | 8.76 |
| 87691-16-12 | 1" | 20 | 12 | | 65.5 | 47.6 | 38 | 69 | 9.53 |
| 87691-16-16 | 1" | 25 | 16 | | 76.7 | 47.6 | 38 | 74.5 | 9.53 |
| 87691-16-20 | 1" | 32 | 20 | | 91.5 | 47.6 | 38 | 85.5 | 9.53 |
| 87691-20-16 | 1.1/4" | 25 | 16 | | 76.7 | 54 | 44 | 78.5 | 10.29 |
| 87691-20-20 | 1.1/4" | 32 | 20 | | 91.5 | 54 | 44 | 89.5 | 10.29 |
| 87691-24-20 | 1.1/2" | 32 | 20 | | 91.5 | 63.5 | 51 | 94.5 | 12.57 |
| 87691-24-24 | 1.1/2" | 40 | 24 | | 109.4 | 63.5 | 51 | 108 | 12.57 |
| 87691-32-24 | 2" | 40 | 24 | | 109.4 | 79.4 | 67 | 116 | 12.57 |
| 87691-32-32 | 2" | 50 | 32 | | 131.8 | 79.4 | 67 | 136.3 | 12.57 |
| 1. | 2. | | 87692-xx-xx | | | | | | |
| Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87692-xx-xx. | | | | | | | | | |

HOSE FITTING

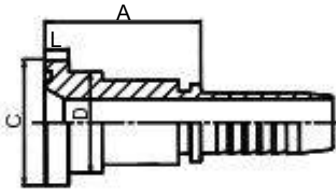


87691-H

90SAE 6000 PSI
90SAE FLANGE 6000 PSI

| PART NO. | FLANGE SIZE | HOSE BORE | | | DIMENSIONS | | | | |
|--|-------------|-----------|------|--|------------|------|----|-----|-------|
| | | DN | DASH | | A | C | D | H | L |
| 87691-12-12(H100) | 3/4" | 20 | 12 | | 65.5 | 41.3 | 32 | 100 | 8.76 |
| 87691-12-12(H127) | 3/4" | 20 | 12 | | 65.5 | 41.3 | 32 | 127 | 8.76 |
| 87691-12-12(H150) | 3/4" | 20 | 12 | | 65.5 | 41.3 | 32 | 150 | 8.76 |
| 87691-16-16(H100) | 1" | 25 | 16 | | 76.7 | 47.6 | 38 | 100 | 9.53 |
| 87691-16-16(H127) | 1" | 25 | 16 | | 76.7 | 47.6 | 38 | 127 | 9.53 |
| 87691-16-16(H150) | 1" | 25 | 16 | | 76.7 | 47.6 | 38 | 150 | 9.53 |
| 87691-20-20(H100) | 1.1/4" | 32 | 20 | | 91.5 | 54 | 44 | 100 | 10.29 |
| 87691-20-20(H127) | 1.1/4" | 32 | 20 | | 91.5 | 54 | 44 | 127 | 10.29 |
| 87691-20-20(H150) | 1.1/4" | 32 | 20 | | 91.5 | 54 | 44 | 150 | 10.29 |
| 87691-24-24(H100) | 1.1/2" | 40 | 24 | | 109.4 | 63.5 | 51 | 100 | 12.57 |
| 87691-24-24(H127) | 1.1/2" | 40 | 24 | | 109.4 | 63.5 | 51 | 127 | 12.57 |
| <div>1.</div> <div>2.8</div> <div>7X92-xx-xx</div> <div>Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87X92-xx-xx.</div> | | | | | | | | | |

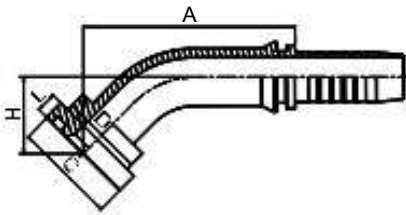
SWAGED HOSE FITTING



88111

JIS FLANGE

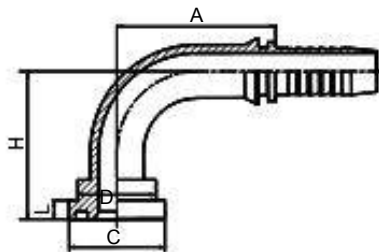
| PART NO. | FLANGE SIZE | HOSE BORE | | DIMENSIONS | | | | | |
|--|-------------|-----------|------|------------|------|------|-----|--|--|
| | | DN | DASH | A | C | D | L | | |
| 88111-10-08 | 5/8" | 12 | 08 | 45 | 34.2 | 27.8 | 6.7 | | |
| 88111-10-10 | 5/8" | 16 | 10 | 45.5 | 34.2 | 27.8 | 6.7 | | |
| 88111-10-12 | 5/8" | 20 | 12 | 46 | 34.2 | 27.8 | 6.7 | | |
| 1. 88112-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88112-xx-xx. | | | | | | | | | |



88141

45
45J IS FLANGE

| PART NO. | FLANGE SIZE | HOSE BORE | | DIMENSIONS | | | | | |
|--|-------------|-----------|------|------------|------|------|------|-----|--|
| | | DN | DASH | A | C | D | H | L | |
| 88141-10-08 | 5/8" | 12 | 08 | 58.9 | 34.2 | 27.8 | 24 | 6.7 | |
| 88141-10-10 | 5/8" | 16 | 10 | 69.6 | 34.2 | 27.8 | 25.3 | 6.7 | |
| 88141-10-12 | 5/8" | 20 | 12 | 76.3 | 34.2 | 27.8 | 28.9 | 6.7 | |
| 1. 88142-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88142-xx-xx. | | | | | | | | | |

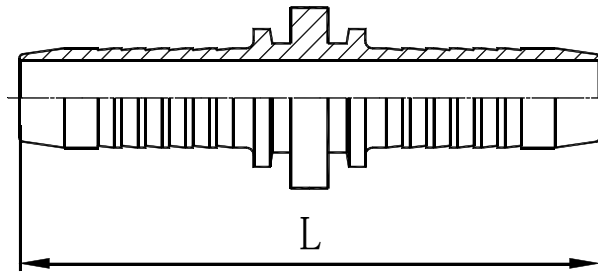


88191

90
90J IS FLANGE

| PART NO. | FLANGE SIZE | HOSE BORE | | DIMENSIONS | | | | | |
|--|-------------|-----------|------|------------|------|------|------|-----|--|
| | | DN | DASH | A | C | D | H | L | |
| 88191-10-08 | 5/8" | 12 | 08 | 41 | 34.2 | 27.8 | 48 | 6.7 | |
| 88191-10-10 | 5/8" | 16 | 10 | 56 | 34.2 | 27.8 | 52.5 | 6.7 | |
| 88191-10-12 | 5/8" | 20 | 12 | 66.2 | 34.2 | 27.8 | 62 | 6.7 | |
| 1. 88192-xx-xx Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88192-xx-xx. | | | | | | | | | |

HOSE FITTING

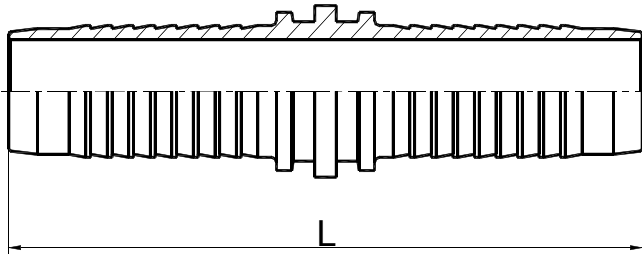


90011

DOUBLE CONNECTOR

| PART NO. | | HOSE BORE | | | | DIMENSIONS | |
|---------------------------|--|-----------|------|--|--|------------|--|
| | | DN | DASH | | | L | |
| 90011-04 | | 6 | 04 | | | 69 | |
| 90011-05 | | 8 | 05 | | | 69 | |
| 90011-06 | | 10 | 06 | | | 73 | |
| 90011-08 | | 12 | 08 | | | 77 | |
| 90011-10 | | 16 | 10 | | | 83 | |
| 90011-12 | | 20 | 12 | | | 93 | |
| 90011-16 | | 25 | 16 | | | 114 | |
| 90011-20 | | 32 | 20 | | | 132 | |
| 90011-24 | | 40 | 24 | | | 162 | |
| 90011-32 | | 50 | 32 | | | 170 | |
| Note:For wire braid hose. | | | | | | | |

HOSE FITTING



90012

DOUBLE CONNECTOR

| PART NO. | | HOSE BORE | | | DIMENSIONS | | |
|-----------------------|--|-----------|------|--|------------|-----|--|
| | | DN | DASH | | | L | |
| 90012-04 | | 6 | 04 | | | 83 | |
| 90012-05 | | 8 | 05 | | | 87 | |
| 90012-06 | | 10 | 06 | | | 87 | |
| 90012-08 | | 12 | 08 | | | 91 | |
| 90012-10 | | 16 | 10 | | | 97 | |
| 90012-12 | | 20 | 12 | | | 110 | |
| 90012-16 | | 25 | 16 | | | 134 | |
| 90012-20 | | 32 | 20 | | | 153 | |
| 90012-24 | | 40 | 24 | | | 172 | |
| 90012-32 | | 50 | 32 | | | 178 | |
| Note:For sprial hose. | | | | | | | |