



MF 2000®

**CRIMPED
FITTINGS**

SUMMARY

The range of hydraulic fittings apply to English BS (British Standard), American SAE and German DIN (Deutsches Institut für Normung) norms. Additional items conforming to Japanese norms JIS (Japanese Industrial Standard), French NF and some flanged head fittings for OEM applications are also included in the range.

For braid hose, MF2000® range is available with a no-skive or skive assembling technology.

For wire spiral hose MF2000® range is used with external skive.

For the highest pressure levels, the INTERLOCK range is recommended with internal and external skiving operations.

Спектр гидравлических фитингов отвечает следующим стандартам: английскому BS (British Standard), американскому SAE и немецкому DIN (Deutsches Institut für Normung). Имеются в наличии отдельные компоненты, соответствующие японским стандартам JIS (Japanese Industrial Standard), французским NF стандартам и фланцевые головки для OEM-оборудования.

Для рукавов с оплетками типа MF2000® используется зачистная и незачистная монтажная технология. Для рукавов со спиральным укреплением типа MF2000® используется внешняя зачистка рукава, в то время, как рукава для сверхвысокого давления типа INTERLOCK используется как внутренняя, так и внешняя зачистка.

| Description Описание | Reference Тип | Page Страница |
|-------------------------|------------------|------------------|
|-------------------------|------------------|------------------|

FERRULE MF2000® MULTIFIT TYPE МУФТЫ ТИПА MF2000® MULTIFIT

| | | |
|--|---------------|----|
| SKIVE FERRULE FOR WIRE BRAID HOSES ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ РУКАВОВ | M00110/M00120 | 89 |
| SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ И СПИРАЛЬНЫХ РУКАВОВ | M00910/M00920 | 90 |
| NO-SKIVE FERRULE FOR WIRE BRAID HOSES НЕЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ РУКАВОВ | M03400 | 90 |
| NO-SKIVE FERRULE FOR TEXTILE BRAID HOSES НЕЗАЧИСТНАЯ МУФТА ДЛЯ РУКАВА С ТКАНЕВОЙ ОПЛЕТКОЙ | M00310 | 91 |
| NO-SKIVE FERRULE FOR COMPACT HOSES НЕЗАЧИСТНАЯ МУФТА ДЛЯ КОМПАКТНЫХ РУКАВОВ | M00820 | 91 |

INSERT MF2000® MULTIFIT TYPE ВТУЛКИ ТИПА MF2000® MULTIFIT

BS STANDARD CONNECTIONS СОЕДИНЕНИЯ СОГЛАСНО СТАНДАРТАМ BS

| | | |
|--|-----------------|----|
| BSP MALE TAPERED BSP НАРУЖНАЯ ЦИЛИНДРИЧЕСКАЯ РЕЗЬБА (MALE) | M10710 | 92 |
| BSP MALE PARALLEL 60° CONE SEAT - BS5200 BSP НАРУЖНАЯ ПАРАЛЛЕЛЬНАЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - BS5200 | M10510 | 93 |
| BSP FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 | M20512 / M20513 | 94 |
| 90° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | M20592 / M20593 | 95 |
| 45° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | M20542 / M20543 | 96 |
| BSP O-RING FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА O-RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ) С УГЛОМ КОНУСА 60° - BS5200 | M20812 | 97 |
| 90° BSP O-RING FEMALE 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА O-RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ) С УГЛОМ КОНУСА 60° - BS5200 | M20892 | 98 |

| Description Описание | Reference Тип | Page Страница |
|---|------------------|------------------|
| 45° BSP O-RING FEMALE 60° CONE - BS5200 45° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ | M20842 | 99 |
| 90° BSP O-RING FEMALE COMPACT ELBOW 60° CONE - BS5200 90° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО КОМПАКТНОГО ИЗГИБА 60° - BS5200 С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ | M20882F | 99 |
| BSP MALE FLAT SEAT BSP ВНЕШНЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ | M10610 | 100 |
| BSP FEMALE FLAT SEAT BSP ВНУТРЕННЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ | M20612 / M20613 | 100 |

SAE STANDARD CONNECTIONS УНИВЕРСАЛЬНЫЕ СОЕДИНЕНИЯ SAE

JIC MALES AND FEMALES JIC ВНЕШНЯЯ И ВНУТРЕННЯЯ РЕЗЬБА (MALE/FEMALE)

| | | |
|---|-----------------|-----|
| JIC MALE 37° CONE - SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ И УГЛОМ КОНУСА 37° - SAE J516/J514 | M12510 | 101 |
| JIC FEMALE 37° CONE SEAT - SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M22512 / M22513 | 102 |
| JIC FEMALE 37° CONE SEAT DOUBLE EXAGON - SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 DOUBLE EXAGON | M22712 | 103 |
| JIC FEMALE 37° CONE SEAT DOUBLE EXAGON COMPACT TYPE - SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 DOUBLE EXAGON КОМПАКТНОГО ТИПА | M22712K | 104 |
| 90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M22592 / M22593 | 105 |
| 90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ LONG DROP ELBOW - SAE J516/J514 | M24792 / M24793 | 106 |
| 45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 45° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M22542 / M22543 | 107 |
| 90° JIC FEMALE COMPACT ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC КОМПАКТНОЕ СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M22582F | 108 |

ORFS MALES AND FEMALES

СОЕДИНЕНИЯ С ВНУТРЕННЕЙ И ВНЕШНЕЙ РЕЗЬБОЙ С ТОРЦЕВЫМ УПЛОТНЕНИЕМ (ORFS)

| | | |
|---|-----------------|-----|
| ORFS MALE - SAE J1453 ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ - SAE J1453 | M12410 | 109 |
| ORFS FEMALE - SAE J516/J1453 ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ - SAE J516/J1453 | M22411 | 110 |
| 90° ORFS FEMALE - SAE J516/J1453 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | M22491 / M22493 | 111 |
| 90° ORFS FEMALE LONG DROP - SAE J516/J1453 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 (LONG DROP) | M24493 | 112 |
| 45° ORFS FEMALE - SAE J516/J1453 45° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | M22441 / M22443 | 113 |

SAE MALES AND FEMALES СОЕДИНЕНИЯ С ВНУТРЕННЕЙ И ВНЕШНЕЙ РЕЗЬБОЙ ПО SAE

| | | |
|--|--------|-----|
| SAE MALE O-RING BOSS TYPE - SAE J516/J514 SAE ВНЕШНЯЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | M13010 | 114 |
| SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516/J514 SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | M14310 | 115 |
| 90° SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516/J514 90° SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | M14390 | 115 |

SUMMARY

| Description Описание | Reference Тип | Page Страница |
|---|------------------|------------------|
| SAE FEMALE 45° CONE SEAT - SAE J516/J512 SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J512 | M22612 | 116 |
| 90° SAE FEMALE SWEPT ELBOW 45° CONE SEAT - SAE J516/J512 90° SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J512 | M22692 | 116 |
| NPTF-NPSM MALES AND FEMALES ВНУТРЕННЯЯ И ВНЕШНЯЯ НОРМАЛЬНАЯ КОНИЧЕСКАЯ РЕЗЬБА (NPTF) И РЕЗЬБА NPSM ПО АМЕРИКАНСКИМ СТАНДАРТАМ | | |
| NPTF MALE 30° CONE SEAT - SAE J516 NPTF НАРУЖНАЯ РЕЗЬБА С УГЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ ПО - SAE J516 | M12810 | 117 |
| NPTF SWIVEL MALE 30° CONE SEAT - SAE J516 NPTF НАРУЖНАЯ ПОВОРОТНАЯ РЕЗЬБА С УГОЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ ПО - SAE J516 | M14110 | 118 |
| NPSM FEMALE 30° CONE NPSM ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ УГЛОМ 30° | M22812 | 118 |
| SAE FLANGES 3000/6000 psi SAE ФЛАНЦЫ 3000/6000 psi | | |
| STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23311 | 119 |
| 22.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 22.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23321 | 120 |
| 30° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 30° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23331 | 120 |
| 45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 45° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23341 | 121 |
| 60° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 60° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23361 | 122 |
| 67.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 67.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23371 | 122 |
| 90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 90° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | M23391 | 123 |
| STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ ПО SAE 6000 psi КОД 62 - SAE J516/J518 | M23611 | 124 |
| 90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ФЛАНЕЦ 90° ПО SAE 6000 psi КОД 62 - SAE J516/J518 | M23691 | 125 |
| 45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ФЛАНЕЦ 45° ПО SAE 6000 psi КОД 62 - SAE J516/J518 | M23641 | 126 |
| DIN STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ ПО DIN | | |
| DIN STANDPIPE ТРУБЫ ПО DIN | | |
| METRIC STANDPIPE STRAIGHT L.T. - DIN 2353 МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА L.T. - DIN 2353 | M22010 | 127 |
| METRIC STANDPIPE STRAIGHT H.T. - DIN 2353 МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА H.T. - DIN 2353 | M22110 | 128 |
| 90° METRIC STANDPIPE L.T. - DIN 2353 90° МЕТРИЧЕСКАЯ ТРУБА L.T. - DIN 2353 | M22090 | 129 |
| 90° METRIC STANDPIPE H.T. - DIN 2353 90° МЕТРИЧЕСКАЯ ТРУБА H.T. - DIN 2353 | M22190 | 130 |
| 45° METRIC STANDPIPE L.T. - DIN 2353 45° МЕТРИЧЕСКАЯ ТРУБА L.T. - DIN 2353 | M22040 | 131 |
| 45° METRIC STANDPIPE H.T. - DIN 2353 45° МЕТРИЧЕСКАЯ ТРУБА H.T. - DIN 2353 | M22140 | 131 |

| Description Описание | Reference Тип | Page Страница |
|--|------------------|------------------|
| DIN METRIC 60° CONE MALES AND FEMALES | | |
| МЕТРИЧЕСКАЯ ВНЕШНЯЯ И ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ 60° ПО DIN | | |
| METRIC FEMALE 60° CONE - DIN 20078/3863 МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ 60° - DIN 20078/3863 | M21013 | 132 |
| 90° METRIC FEMALE SWEPT ELBOW 60° CONE - DIN 20078/3863 90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3863 | M21093 | 132 |
| DIN METRIC MULTISEAL | | |
| МЕТРИЧЕСКОЕ СОЕДИНЕНИЕ С МУЛЬТИУПЛОТНЕНИЯМИ ПО DIN | | |
| METRIC FEMALE MULTISEAL - DIN 20078/3868 МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 | M21312 / M21313 | 133 |
| 90° METRIC FEMALE SWEPT ELBOW MULTISEAL - DIN 20078/3868 90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 | M21392 / M21393 | 134 |
| 45° METRIC FEMALE SWEPT ELBOW MULTISEAL - DIN 20078/3868 45° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 | M21343 | 134 |
| DIN METRIC 24° CONE LIGHT TYPE MALES AND FEMALES | | |
| МЕТРИЧЕСКОЕ ВНЕШНЕЕ И ВНУТРЕННЕЕ ОБЛЕГЧЕННОЕ СОЕДИНЕНИЕ (LIGHT TYPE - L.T.) С УГЛОМ КОНУСА 24° ПО DIN | | |
| METRIC MALE 24° CONE SEAT L.T. - DIN 20066/3861 ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ L.T. ПО - DIN 20066/3861 | M11110 | 135 |
| O-RING METRIC FEMALE 24° CONE L.T. - DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21512 / M21513 | 136 |
| 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. - DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21592 / M21593 | 137 |
| 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. - DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21542 / M21543 | 138 |
| DIN METRIC 24° CONE HEAVY TYPE MALES AND FEMALES | | |
| МЕТРИЧЕСКОЕ ВНЕШНЕЕ И ВНУТРЕННЕЕ ТЯЖЕЛОЕ СОЕДИНЕНИЕ (HEAVY TYPE - H.T.) С УГЛОМ КОНУСА 24° ПО DIN | | |
| METRIC MALE 24° CONE SEAT H.T. - DIN 20066/3861 ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ H.T. ПО - DIN 20066/3861 | M11210 | 139 |
| O-RING METRIC FEMALE 24° CONE H.T. - DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21612 / M21613 | 140 |
| 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21692 / M21693 | 141 |
| 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M21642 / M21643 | 142 |
| NF STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ С МЕЛКОЙ РЕЗЬБОЙ (NF) | | |
| FRENCH MALES & FEMALES MILLIMETRIC TYPE | | |
| ФРАНЦУЗСКАЯ ВНЕШНЯЯ И ВНУТРЕННЯЯ РЕЗЬБА MILLIMETRIC TYPE | | |
| FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ MILLIMETRIC TYPE | M11710 | 143 |
| FRENCH METRIC FEMALE MILLIMETRIC TYPE ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА MILLIMETRIC TYPE | M21713 | 143 |

SUMMARY

| Description Описание | Reference Тип | Page Страница |
|---|------------------|------------------|
| FRENCH MALES & FEMALES GAZ TYPE ФРАНЦУЗСКАЯ ВНЕШНЯЯ И ВНУТРЕННЯЯ РЕЗЬБА GAZ TYPE | | |
| FRENCH METRIC MALE 24° CONE SEAT GAZ TYPE ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ GAZ TYPE | M11810 | 144 |
| FRENCH METRIC FEMALE GAZ TYPE ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE | M21813 | 145 |
| 90° FRENCH METRIC FEMALE GAZ TYPE 90° ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE | M21893 | 145 |
| JIS STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ JIS | | |
| JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) - JIS B 8363 JIS МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ KOMATSU - JIS B 8363 | M24011 / M24012 | 146 |
| JIS BSP FEMALE 60° CONE SEAT (TOYOTA) - JIS B 8363 JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ TOYOTA - JIS B 8363 | M23811 | 147 |
| JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° NISSAN - JIS B 8363 | M20711 / M20712 | 147 |
| ORIGINAL EQUIPMENT CONNECTIONS СОЕДИНЕНИЯ ДЛЯ КОМПЛЕКСНОГО ОБОРУДОВАНИЯ (ОЕМ) | | |
| KOMATSU, POCLAIN, SUPERCAT FLANGES KOMATSU, POCLAIN, ФЛАНЦЫ SUPERCAT | | |
| STRAIGHT KOMATSU FLANGE ПРЯМОЙ ФЛАНЕЦ KOMATSU | M24111 | 148 |
| 90° KOMATSU FLANGE 90° ФЛАНЕЦ KOMATSU | M24191 | 148 |
| 45° KOMATSU FLANGE 45° ФЛАНЕЦ KOMATSU | M24141 | 148 |
| STRAIGHT SUPERCAT FLANGE ПРЯМОЙ ФЛАНЕЦ SUPERCAT | M23911 | 149 |
| 90° SUPERCAT FLANGE 90° ФЛАНЕЦ SUPERCAT | M23991 | 150 |
| 45° SUPERCAT FLANGE 45° ФЛАНЕЦ SUPERCAT | M23941 | 150 |
| BANJO CONNECTIONS СОЕДИНЕНИЯ BANJO | | |
| BSP BANJO BSP BANJO | O20310 | 151 |
| METRIC BANJO - DIN 7642 МЕТРИЧЕСКОЕ BANJO - DIN 7642 | O20910 | 151 |
| MINING CONNECTION СОЕДИНЕНИЯ ДЛЯ ГОРНОДОБЫВАЮЩЕГО ОБОРУДОВАНИЯ | | |
| STAPLE-LOCK MALE - DIN 20043 - SAE J1467 ВНЕШНЯЯ ШТАПЕЛЬНАЯ РЕЗЬБА - DIN 20043 - SAE J1467 | M14810 | 152 |

| Description Описание | Reference Тип | Page Страница |
|---|------------------|------------------|
| ACCESSORIES АКСССУАРЫ | | |
| BRAZING TAIL КОНЕЦ ДЛЯ ПАЙКИ | MIP | 153 |
| DOUBLE CONNECTOR ПАРНЫЙ СОЕДИНИТЕЛЬ | M10050 | 153 |
| SAE SPLIT FLANGE CLAMPS 3000 psi CODE 61 - SAE J518 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 3000 psi КОД 61 - SAE J518 | O83308 | 154 |
| SAE SPLIT FLANGE CLAMPS 6000 psi CODE 62 - SAE J518 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 6000 psi КОД 62 - SAE J518 | O83609 | 154 |
| BSP BOLT БОЛТ BSP | O80210 | 155 |
| METRIC BOLT - DIN 7643 МЕТРИЧЕСКИЙ БОЛТ - DIN 7643 | O80810 | 155 |

FERRULE MF2000® INTERLOCK TYPE МУФТА ТИПА MF2000® INTERLOCK

| | | |
|---|--------|-----|
| DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ | M01300 | 156 |
| DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ | M01400 | 156 |

INSERT MF2000® INTERLOCK TYPE ВТУЛКИ ТИПА MF2000® INTERLOCK TYPE

BS STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ BS

| | | |
|--|--------|-----|
| BSP MALE PARALLEL 60° CONE SEAT - BS5200 BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - BS5200 | M35510 | 157 |
| BSP O-RING FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | M45812 | 157 |
| 90° BSP O-RING FEMALE SWEEP ELBOW 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | M45892 | 158 |
| 45° BSP O-RING FEMALE SWEEP ELBOW 60° CONE - BS5200 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | M45842 | 158 |

SAE STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ SAE

NPTF/JIC MALES AND FEMALES ВНУТРЕННЕЕ И ВНЕШНЕЕ СОЕДИНЕНИЯ NPTF/JIC

| | | |
|---|--------|-----|
| NPTF MALE 30° CONE SEAT - SAE J516 NPTF ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516 | M37810 | 159 |
| JIC FEMALE 37° CONE SEAT - SAE J516/J514 JIC ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 | M47512 | 159 |
| 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M47592 | 160 |
| 45° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 45° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | M47542 | 160 |

SUMMARY

| Description Описание | Reference Тип | Page Страница |
|---|------------------|------------------|
| ORFS FEMALES | | |
| ВНУТРЕННЕЕ СОЕДИНЕНИЕ С ТОРЦОВЫМ УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ (ORFS) | | |
| ORFS FEMALE - SAE J516/J1453 ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453 | M47411 | 161 |
| 90° ORFS FEMALE - SAE J516/J1453 90° ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453 | M47491 | 161 |
| 45° ORFS FEMALE - SAE J516/J1453 45° ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453 | M47441 | 162 |
| SAE FLANGES 3000/6000 psi ФЛАНЦЫ SAE 3000/6000 psi | | |
| STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J158 | M48310 | 162 |
| 90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 90° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J158 | M48390 | 163 |
| 45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 45° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J158 | M48340 | 163 |
| STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J158 | M48610 | 164 |
| 90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 90° ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J158 | M48690 | 165 |
| 45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 45° ФЛАНЕЦ 3000 psi КОД 62 - SAE J516/J158 | M48640 | 166 |
| ORIGINAL STANDARD CONNECTIONS | | |
| СОЕДИНЕНИЯ ДЛЯ КОМПЛЕКСНОГО ОБОРУДОВАНИЯ (ОЕМ) | | |
| STRAIGHT SUPERCAT SERIES FLANGE ПРЯМОЙ ФЛАНЕЦ SUPERCAT | M48910 | 167 |
| 90° SUPERCAT SERIES FLANGE 90° ФЛАНЕЦ SUPERCAT | M48990 | 167 |
| 45° SUPERCAT SERIES FLANGE 45° ФЛАНЕЦ SUPERCAT | M48940 | 167 |
| DIN STANDARD CONNECTIONS | | |
| СТАНДАРТНЫЕ СОЕДИНЕНИЯ DIN | | |
| DIN METRIC 24° CONE HEAVY TYPE MALES AND FEMALES | | |
| МЕТРИЧЕСКОЕ СОЕДИНЕНИЕ С ВНЕШНЕЙ И ВНУТРЕННЕЙ РЕЗЬБОЙ ТЯЖЕЛЫЙ ТИП (HEAVY TYPE - Н.Т.) С КОНИЧЕСКИМ УГЛОМ 24° ПО DIN | | |
| METRIC MALE 24° CONE SEAT Н.Т. - DIN 20066/3861 ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ Н.Т. ПО - DIN 20066/3861 | M36210 | 168 |
| O-RING METRIC FEMALE 24° CONE Н.Т. - DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° Н.Т С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M46612 / M46613 | 168 |
| 90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE Н.Т. - DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M46692 / M46693 | 169 |
| 45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE Н.Т. - DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | M46642 / M46643 | 169 |

| Description Описание | Reference Тип | Page Страница |
|--|------------------|------------------|
| FERRULE MF2000® XTRALOCK TYPE МУФТА ТИПА MF2000® XTRALOCK | | |
| DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY) ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ СВЕРХСЛОЖНЫХ РЕЖИМОВ РАБОТЫ (6 СЛОЕВ) | M01800 | 170 |

INSERTS MF2000® XTRALOCK TYPE **ВТУЛКИ ТИПА MF2000® XTRALOCK**

| | | |
|--|--------|-----|
| NPTF MALE 60° CONE SEAT - SAE J516 NPTF ВНЕШНЯЯ РЕЗЬБА С УГОЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516 | M57810 | 170 |
| STRAIGHT SAE FLANGE CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ КОД 62 - SAE J516/J518 | M68610 | 171 |
| 90° SAE FLANGE CODE 62 - SAE J516/J518 90° ФЛАНЕЦ КОД 62 - SAE J516/J518 | M68690 | 171 |
| STRAIGHT XTRAFLLANGE ПРЯМОЙ ФЛАНЕЦ XTRA | M68510 | 172 |
| 90° XTRAFLLANGE 90° ФЛАНЕЦ XTRA | M68590 | 172 |
| SAE ONE-PIECE FLANGE CLAMPS CODE 62 - SAE J518 ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА КОД 62 - SAE J518 | O83607 | 173 |
| ONE-PIECE XTRAFLLANGE CLAMPS ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА | O88507 | 173 |
| ASSEMBLING INSTRUCTIONS ИНСТРУКЦИИ ПО СБОРКЕ | | 174 |

INSERTS MF2000® PUSH-LOCK TYPE **ВТУЛКИ ТИПА MF2000® PUSK-LOCK**

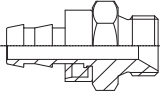
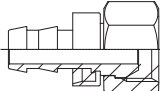
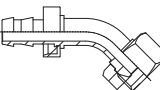
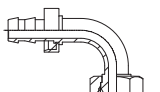
BS STANDARD CONNECTIONS СТАНДАРТНЫЕ СОЕДИНЕНИЯ BS

| | | |
|---|--------|-----|
| BSP MALE PARALLEL 60° CONE SEAT - BS5200 BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° - BS5200 И КОНУСНЫМ УПЛОТНЕНИЕМ | L10510 | 176 |
| BSP FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 (НАКИДНАЯ ГАЙКА) | L20513 | 176 |
| 90° BSP FEMALE SWERT ELBOW 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | L20593 | 177 |
| 45° BSP FEMALE SWERT ELBOW 60° CONE - BS5200 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | L20543 | 177 |






VISUAL INDEX

| Reference Тип | Description Описание | Page Страница |
|------------------|-------------------------|------------------|
|------------------|-------------------------|------------------|






PUSH-LOCK TYPE PUSH-LOCK

| | | |
|---------------|--|------------|
| L10510 | BSP MALE PARALLEL 60° CONE SEAT BS5200  | 176 |
| | BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° - BS5200 И КОНУСНЫМ УПЛОТНЕНИЕМ | |
| L20513 | BSP FEMALE 60° CONE - BS5200  | 176 |
| | BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 (НАКИДНАЯ ГАЙКА) | |
| L20543 | 45° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200  | 177 |
| | 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | |
| L20593 | 90° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200  | 177 |
| | 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | |






FERRULE МУФТЫ ТИПА

| | | |
|---------------|---|-----------|
| M00110 | SKIVE FERRULE FOR WIRE BRAID HOSES  | 89 |
| | ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ РУКАВОВ | |
| M00120 | SKIVE FERRULE FOR WIRE BRAID HOSES  | 89 |
| | ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ РУКАВОВ | |
| M00310 | NO-SKIVE FERRULE FOR TEXTILE BRAID HOSES  | 91 |
| | НЕЗАЧИСТНАЯ МУФТА ДЛЯ РУКАВА С ТКАНЕВОЙ ОПЛЕТКОЙ | |
| M00820 | NO-SKIVE FERRULE FOR COMPACT HOSES  | 91 |
| | НЕЗАЧИСТНАЯ МУФТА ДЛЯ КОМПАКТНЫХ РУКАВОВ | |
| M00910 | SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES  | 90 |
| | ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ И СПИРАЛЬНЫХ РУКАВОВ | |

| Reference Тип | Description Описание | Page Страница |
|------------------|-------------------------|------------------|
|------------------|-------------------------|------------------|

| | | |
|---------------|--|------------|
| M00920 | SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES  | 90 |
| | ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ И СПИРАЛЬНЫХ РУКАВОВ | |
| M01300 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES  | 156 |
| | ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ | |
| M01400 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES  | 156 |
| | ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ | |
| M01800 | DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY)  | 170 |
| | ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ СВЕРХСЛОЖНЫХ РЕЖИМОВ РАБОТЫ (6 СЛОЕВ) | |
| M03400 | NO-SKIVE FERRULE FOR WIRE BRAID HOSES  | 90 |
| | НЕЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТНЫХ РУКАВОВ | |

MULTIFIT TYPE MULTIFIT

| | | |
|---------------|--|------------|
| M10510 | BSP MALE PARALLEL 60° CONE SEAT BS5200  | 93 |
| | BSP НАРУЖНАЯ ПАРАЛЛЕЛЬНАЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - BS5200 (MALE) | |
| M10610 | BSP MALE FLAT SEAT  | 100 |
| | BSP ВНЕШНЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ | |
| M10710 | BSP MALE TAPERED  | 92 |
| | BSP НАРУЖНАЯ ЦИЛИНДРИЧЕСКАЯ РЕЗЬБА (MALE) | |
| M11110 | METRIC MALE 24° CONE SEAT L.T. DIN 20066/3861  | 135 |
| | ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ L.T. ПО - DIN 20066/3861 | |
| M11210 | METRIC MALE 24° CONE SEAT H.T. DIN 20066/3861  | 139 |
| | ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ H.T. ПО - DIN 20066/3861 | |

| Reference Тип | Description Описание | Page Страница |
|------------------|--|------------------|
| M11710 | FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ MILLIMETRIC TYPE | 143 |
| M11810 | FRENCH METRIC MALE 24° CONE SEAT GAZ TYPE ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ GAZ TYPE | 144 |
| M12410 | ORFS MALE - SAE J1453 ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ - SAE J1453 | 109 |
| M12510 | JIC MALE 37° CONE SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ И УГЛОМ КОНУСА 37° - SAE J516/J514 | 101 |
| M12810 | NPTF MALE 30° CONE SEAT SAE J516 NPTF НАРУЖНАЯ РЕЗЬБА С УГЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ ПО SAE J516 | 117 |
| M13010 | SAE MALE O-RING BOSS TYPE SAE J516/J514 SAE ВНЕШНЯЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | 114 |
| M14110 | NPTF SWIVEL MALE 30° CONE SEAT SAE J516 NPTF НАРУЖНАЯ ПОВОРОТНАЯ РЕЗЬБА С УГОЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ ПО - SAE J516 | 118 |
| M14310 | SAE SWIVEL MALE O-RING BOSS TYPE SAE J516/J514 SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | 115 |
| M14390 | 90° SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516/J514 90° SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514 | 115 |
| M20512 | BSP FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 (FEMALE) | 94 |
| M20513 | BSP FEMALE 60° CONE - BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 (FEMALE) | 94 |

| Reference Тип | Description Описание | Page Страница |
|------------------|--|------------------|
| M20542 | 45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | 96 |
| M20543 | 45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | 96 |
| M20592 | 90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | 95 |
| M20593 | 90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° - BS5200 | 95 |
| M20612 | BSP FEMALE FLAT SEAT BSP ВНУТРЕННЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ | 100 |
| M20613 | BSP FEMALE FLAT SEAT BSP ВНУТРЕННЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ | 100 |
| M20711 | JIS BSP FEMALE 60° CONE (NISSAN) JIS B 8363 JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° NISSAN JIS B 8363 | 147 |
| M20712 | JIS BSP FEMALE 60° CONE (NISSAN) JIS B 8363 JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° NISSAN JIS B 8363 | 147 |
| M20812 | BSP O-RING FEMALE 60° CONE BS5200 BSP ВНУТРЕННЯЯ РЕЗЬБА О'RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ) С УГЛОМ КОНУСА 60° - BS5200 | 97 |
| M20842 | 45° BSP O-RING FEMALE 60° CONE BS5200 45° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ | 99 |
| M20882F | 90° BSP O-RING FEMALE COMPACT ELBOW 60° CONE - BS5200 90° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО КОМПАКТНОГО ИЗГИБА 60° BS5200 С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ | 99 |

VISUAL INDEX

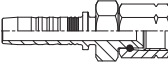

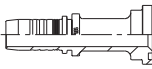
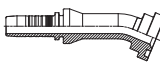
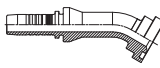

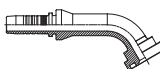
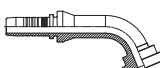



| Reference Тип | Description Описание | Page Страница |
|------------------|--|------------------|
| M20892 | 90° BSP O-RING FEMALE 60° CONE BS5200 90° BSP ВНУТРЕННЯЯ РЕЗЬБА O-RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ) С УГЛОМ КОНУСА 60° - BS5200 | 98 |
| M21013 | METRIC FEMALE 60° CONE DIN 20078/3863 МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ 60° - DIN 20078/3863 | 132 |
| M21093 | 90° METRIC FEMALE SWEPT ELBOW 60° CONE - DIN 20078/3863 90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОТОТННЯЯ РЕЗЬБА С КОНУСОМ 60° DIN 20078/3863 | 132 |
| M21312 | METRIC FEMALE MULTISEAL DIN 20078/3868 МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО DIN 20078/3868 | 133 |
| M21313 | METRIC FEMALE MULTISEAL DIN 20078/3868 МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО DIN 20078/3868 | 133 |
| M21343 | 45° METRIC FEMALE SWEPT ELBOW MULTI-SEAL DIN 20078/3868 45° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN | 134 |
| M21392 | 90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN | 134 |
| M21393 | 90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN | 134 |
| M21512 | O-RING METRIC FEMALE 24° CONE L.T. DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | 136 |
| M21513 | O-RING METRIC FEMALE 24° CONE L.T. DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | 136 |
| M21542 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 138 |

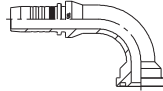



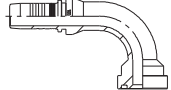

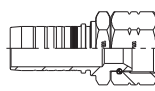


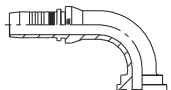
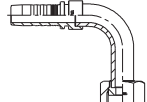
| Reference Тип | Description Описание | Page Страница |
|------------------|---|------------------|
| M21543 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 138 |
| M21592 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 137 |
| M21593 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 137 |
| M21612 | O-RING METRIC FEMALE 24° CONE H.T. DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 140 |
| M21613 | O-RING METRIC FEMALE 24° CONE H.T. DIN 20066/3865 ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 140 |
| M21642 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 142 |
| M21643 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 142 |
| M21692 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 141 |
| M21693 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | 141 |
| M21713 | FRENCH METRIC FEMALE MILLIMETRIC TYPE ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА MILLIMETRIC TYPE | 143 |
| M21813 | FRENCH METRIC FEMALE GAZ TYPE ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE | 145 |

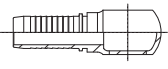
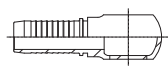
| Reference Тип | Description Описание | Page Страница |
|------------------|--|------------------|
| M21893 | 90° FRENCH METRIC FEMALE GAZ TYPE 90° ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE | 145 |
| M22010 | METRIC STANDPIPE STRAIGHT L.T. DIN 2353 МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА L.T. DIN 2353 | 127 |
| M22040 | 45° METRIC STANDPIPE L.T. DIN 2353 45° МЕТРИЧЕСКАЯ ТРУБА L.T. DIN 2353 | 131 |
| M22090 | 90° METRIC STANDPIPE L.T. DIN 2353 90° МЕТРИЧЕСКАЯ ТРУБА L.T. DIN 2353 | 129 |
| M22110 | METRIC STANDPIPE STRAIGHT H.T. DIN 2353 МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА H.T. DIN 2353 | 128 |
| M22140 | 45° METRIC STANDPIPE H.T. DIN 2353 45° МЕТРИЧЕСКАЯ ТРУБА H.T. DIN 2353 | 131 |
| M22190 | 90° METRIC STANDPIPE H.T. DIN 2353 90° МЕТРИЧЕСКАЯ ТРУБА H.T. DIN 2353 | 130 |
| M22411 | ORFS FEMALE - SAE J516/J1453 ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ - SAE J516/J1453 | 110 |
| M22441 | 45° ORFS FEMALE - SAE J516/J1453 45° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | 113 |
| M22443 | 45° ORFS FEMALE - SAE J516/J1453 45° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | 113 |
| M22491 | 90° ORFS FEMALE - SAE J516/J1453 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | 111 |

| Reference Тип | Description Описание | Page Страница |
|------------------|--|------------------|
| M22493 | 90° ORFS FEMALE - SAE J516/J1453 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ - SAE J516/J1453 | 111 |
| M22512 | JIC FEMALE 37° CONE SEAT SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 102 |
| M22513 | JIC FEMALE 37° CONE SEAT SAE J516/J514 JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 102 |
| M22542 | 45° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 45° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 107 |
| M22543 | 45° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 45° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 107 |
| M22582F | 90° JIC FEMALE COMPACT ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC КОМПАКТНОЕ СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 | 108 |
| M22592 | 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 105 |
| M22593 | 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 105 |
| M22612 | SAE FEMALE 45° CONE SEAT SAE J516/J512 SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J512 | 116 |
| M22692 | 90° SAE FEMALE SWEEP ELBOW 90° CONE SEAT - SAE J516/J512 90° SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J512 | 116 |
| M22712 | JIC FEMALE 37° CONE SEAT DOUBLE EXAGON SAE J516/J514 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 DOUBLE EXAGON | 103 |

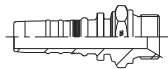



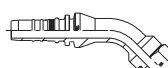

VISUAL INDEX


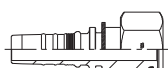









| Reference Тип | Description Описание | Page Страница |
|---|--|------------------|
| M22712K | JIS FEMALE 37° CONE SEAT DOUBLE EXAGON COMPACT TYPE SAE J516/J514 JIS СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 DOUBLE EXAGON КОМПАКТНОГО ТИПА | 104 |
|  | | |
| M22812 | NPSM FEMALE 30° CONE NPSM ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ УГЛОМ 30° | 118 |
|  | | |
| M23311 | STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 119 |
|  | | |
| M23321 | 22.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 22.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 120 |
|  | | |
| M23331 | 30° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 30° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 120 |
|  | | |
| M23341 | 45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 45° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 121 |
|  | | |
| M23361 | 60° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 60° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 122 |
|  | | |
| M23371 | 67.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 67.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 122 |
|  | | |
| M23391 | 90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ФЛАНЕЦ 90° ПО SAE 3000 psi КОД 61 - SAE J516/J518 | 123 |
|  | | |
| M23611 | STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ ПО SAE 6000 psi КОД 62 - SAE J516/J518 | 124 |
|  | | |
| M23641 | 45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ФЛАНЕЦ 45° ПО SAE 6000 psi КОД 62 - SAE J516/J518 | 126 |
|  | | |

| Reference Тип | Description Описание | Page Страница |
|--|---|------------------|
| M23691 | 90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ФЛАНЕЦ 90° ПО SAE 6000 psi КОД 62 - SAE J516/J518 | 125 |
|  | | |
| M23811 | JIS BSP FEMALE 60° CONE SEAT (TOYOTA) JIS B 8363 JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ TOYOTA - JIS B 8363 | 147 |
|  | | |
| M23911 | STRAIGHT SUPERCAT FLANGE ПРЯМОЙ ФЛАНЕЦ SUPERCAT | 149 |
|  | | |
| M23941 | 45° SUPERCAT FLANGE 45° ФЛАНЕЦ SUPERCAT | 150 |
|  | | |
| M23991 | 90° SUPERCAT FLANGE 90° ФЛАНЕЦ SUPERCAT | 150 |
|  | | |
| M24011 | JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) - JIS B 8363 JIS МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ KOMATSU - JIS B 8363 | 146 |
|  | | |
| M24012 | JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) - JIS B 8363 JIS МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ KOMATSU - JIS B 8363 | 146 |
|  | | |
| M24111 | STRAIGHT KOMATSU FLANGE ПРЯМОЙ ФЛАНЕЦ KOMATSU | 148 |
|  | | |
| M24141 | 45° KOMATSU FLANGE 45° ФЛАНЕЦ KOMATSU | 148 |
|  | | |
| M24191 | 90° KOMATSU FLANGE 90° ФЛАНЕЦ KOMATSU | 148 |
|  | | |
| M24493 | 90° ORFS FEMALE LONG DROP SAE J516/J1453 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453 (LONG DROP) | 112 |
|  | | |

| Reference Тип | Description Описание | Page Страница |
|--|--|------------------|
| M24792 | 90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516/J514 | 106 |
| | 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ LONG DROP ELBOW - SAE J516/J514 | |
| M24793 | 90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516/J514 | 106 |
| | 90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ LONG DROP ELBOW - SAE J516/J514 | |
| O20310 | BSP BANJO | 151 |
|  | BSP BANJO | |
| O20910 | METRIC BANJO - DIN 7642 | 151 |
|  | МЕТРИЧЕСКОЕ BANJO - DIN 7642 | |

INTERLOCK TYPE INTERLOCK

| | | |
|--|---|------------|
| M35510 | BSP MALE PARALLEL 60° CONE SEAT BS5200 | 157 |
|  | BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - BS5200 | |
| M36210 | METRIC MALE 24° CONE SEAT H.T. DIN 20066/3861 | 168 |
|  | ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ H.T. ПО - DIN 20066/3861 | |
| M37810 | NPTF MALE 30° CONE SEAT SAE J516 | 159 |
|  | NPTF ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516 | |
| M45812 | BSP O-RING FEMALE 60° CONE BS5200 | 157 |
|  | BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | |
| M45842 | 45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 | 158 |
|  | 45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | |
| M45892 | 90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 | 158 |
|  | 90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 | |

| Reference Тип | Description Описание | Page Страница |
|--|---|------------------|
| M46612 | O-RING METRIC FEMALE 24° CONE H.T. DIN 20066/3865 | 168 |
|  | ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | |
| M46613 | O-RING METRIC FEMALE 24° CONE H.T. DIN 20066/3865 | 168 |
|  | ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN | |
| M46642 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 | 169 |
|  | 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | |
| M46643 | 45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 | 169 |
|  | 45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | |
| M46692 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 | 169 |
|  | 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | |
| M46693 | 90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. DIN 20066/3865 | 169 |
|  | 90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° H.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 | |
| M47411 | ORFS FEMALE - SAE J516/J1453 | 161 |
|  | ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453 | |
| M47441 | 45° ORFS FEMALE - SAE J516/J1453 | 162 |
|  | 45° ORFS ВНУТРЕННЯЯ РЕЗЬБА SAE J516/J1453 | |
| M47491 | 90° ORFS FEMALE - SAE J516/J1453 | 161 |
|  | 90° ORFS ВНУТРЕННЯЯ РЕЗЬБА SAE J516/J1453 | |
| M47512 | JIC FEMALE 37° CONE SEAT SAE J516/J514 | 159 |
|  | JIC ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 | |
| M47542 | 45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 | 160 |
|  | 45° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | |

VISUAL INDEX

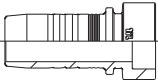

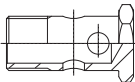
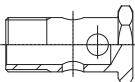
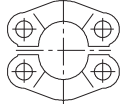
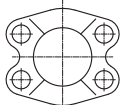
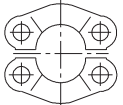
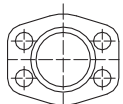
| Reference Тип | Description Описание | Page Страница |
|------------------|---|------------------|
| M47592 | 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516/J514 90° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 | 160 |
| M48310 | STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J518 | 162 |
| M48340 | 45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 45° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J518 | 163 |
| M48390 | 90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518 90° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J518 | 163 |
| M48610 | STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J518 | 164 |
| M48640 | 45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 45° ФЛАНЕЦ 3000 psi КОД 62 - SAE J516/J518 | 166 |
| M48690 | 90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518 90° ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J518 | 165 |
| M48910 | STRAIGHT SUPERCAT SERIES FLANGE ПРЯМОЙ ФЛАНЕЦ SUPERCAT | 167 |
| M48940 | 45° SUPERCAT SERIES FLANGE 45° ФЛАНЕЦ SUPERCAT | 167 |
| M48990 | 90° SUPERCAT SERIES FLANGE 90° ФЛАНЕЦ SUPERCAT | 167 |

| Reference Тип | Description Описание | Page Страница |
|--|---|------------------|
| MFL2000® MINING CONNECTION СОЕДИНЕНИЯ ДЛЯ ГОРНОДОБЫВАЮЩЕГО ОБОРУДОВАНИЯ | | |
| M14810 | STAPLE-LOCK MALE DIN 20043 - SAE J1467 ВНЕШНЯЯ ШТАПЕЛЬНАЯ РЕЗЬБА DIN 20043 - SAE J1467 | 152 |

| Reference Тип | Description Описание | Page Страница |
|--|--|------------------|
| MFL2000® XTRALOCK TYPE XTRALOCK | | |
| M57810 | NPTF MALE 60° CONE SEAT - SAE J516 NPTF ВНЕШНЯЯ РЕЗЬБА С УГОЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516 | 170 |
| M68510 | STRAIGHT XTRAFRANGE ПРЯМОЙ ФЛАНЕЦ XTRA | 172 |
| M68590 | 90° XTRAFRANGE 90° ФЛАНЕЦ XTRA | 172 |
| M68610 | STRAIGHT SAE FLANGE CODE 62 - SAE J516/J518 ПРЯМОЙ ФЛАНЕЦ КОД 62 - SAE J516/J518 | 171 |
| M68690 | 90° SAE FLANGE CODE 62 - SAE J516/J518 90° ФЛАНЕЦ КОД 62 - SAE J516/J518 | 171 |

| Reference Тип | Description Описание | Page Страница |
|------------------|-------------------------|------------------|
|------------------|-------------------------|------------------|

ACCESSORIES АКСЕССУАРЫ

| | | |
|---|---|------------|
| MIP | BRAZING TAIL КОНЕЦ ДЛЯ ПАЙКИ | 153 |
|  | | |
| M10050 | DOUBLE CONNECTOR ПАРНЫЙ СОЕДИНИТЕЛЬ | 153 |
|  | | |
| O80210 | BSP BOLT БОЛТ BSP | 155 |
|  | | |
| O80810 | METRIC BOLT - DIN 7643 МЕТРИЧЕСКИЙ БОЛТ - DIN 7643 | 155 |
|  | | |
| O83308 | SAE SPLIT FLANGE CLAMPS 3000 psi CODE 61 - SAE J518 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 3000 psi КОД 61 - SAE J518 | 154 |
|  | | |
| O83607 | SAE ONE-PIECE FLANGE CLAMPS CODE 62 - SAE J518 ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА КОД 62 - SAE J518 | 173 |
|  | | |
| O83609 | SAE SPLIT FLANGE CLAMPS 6000 psi CODE 62 - SAE J518 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 6000 psi КОД 62 - SAE J518 | 154 |
|  | | |
| O88507 | ONE-PIECE XTRAFRANGE CLAMPS ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА | 173 |
|  | | |

FITTINGS PART NUMBERING SYSTEM

FIRST DIGIT ПЕРВЫЙ РАЗРЯД

The numbers stated in this position (from 0 to 8), refer respectively to the following descriptions:

Цифры, указанные в данном положении (с 0 до 8), имеют следующее описание:

| | |
|--|---|
| 0 = Crimped Ferrule / Обжимная концевая муфта | 4 = Interlock Crimped Female / Обжимная внутренняя резьба Interlock |
| 1 = Multifit Type Male / Внешняя резьба Multifit | 5 = Xtralock Type Male / Внешняя резьба Xtralock |
| 2 = Multifit Type Female / Внутренняя резьба Multifit | 6 = Xtralock Type Female / Внутренняя резьба Xtralock |
| 3 = Interlock Crimped Male / Обжимная внешняя резьба Interlock | 8 = Split Flange or Bolt / Разъемный фланец / болт |



SECOND AND THIRD DIGIT ВТОРОЙ И ТРЕТИЙ РАЗРЯД



| MULTIFIT | INTERLOCK | DESCRIPTION | ОПИСАНИЕ |
|----------|-----------------|--|----------|
| 00 | XTRALOCK | Blank insert / Вставная пластина | |
| 03 | | BSP Banjo / BSP Banjo | |
| 05 | 55 | BSP Parallel Thread (60° cone) / BSP Цилиндрическая резьба (угол конуса 60°) | |
| 06 | | BSP Parallel Thread (Flat face) / BSP Цилиндрическая резьба (плоский торец) | |
| 07 | 57 | BSP Male Tapered Thread - JIS BSP Female / BSP Внешняя косая резьба - JIS BSP Внутренняя резьба | |
| 08 | 58 | BSP Parallel Thread O-ring (60° cone) / BSP Цилиндрическая резьба с уплотнительным кольцом (конус 60°) | |
| 09 | | Metric Banjo / Метрическое Banjo | |
| 10 | | Metric Thread (60° cone superlight) / Метрическая резьба (конус 60° сверхлегкий) | |
| 11 | | Male Metric Thread (24° cone light type) / Внешняя метрическая резьба (конус 24° легкого типа) | |
| 12 | 62 | Male Metric Thread (24° cone heavy type) / Внешняя метрическая резьба (конус 24° тяжелого типа) | |
| 13 | | Metric Thread (Multiseal cone) / Метрическая резьба (мультиуплотнение конуса) | |
| 15 | | Female Metric Thread (24° cone O-ring light type) / Внутренняя метрическая резьба (конус 24° легкого типа с уплотнительным кольцом) | |
| 16 | 66 | Female Metric Thread (24° cone O-ring heavy type) / Внутренняя метрическая резьба (конус 24° тяжелого типа с уплотнительным кольцом) | |
| 17 | | Metric Thread (French Millimetric) / Метрическая резьба (французская Millimetric) | |
| 18 | | Metric Thread (French gaz) / Метрическая резьба (французская Gaz) | |
| 20 | | DIN Metric Standpipe L.T. / DIN метрическая труба L.T. | |
| 21 | | DIN Metric Standpipe H.T. / DIN метрическая труба H.T. | |
| 25 | 75 | JIC Thread (37° cone) / JIC резьба (конус 37°) | |
| 27 | | JIC Thread double exag. (37° cone) / JIC резьба Double exagon (конус 37°) | |
| 24 | 74 | ORFS type / Резьба ORFS | |
| 26 | | SAE Thread (45° cone) / Резьба SAE (конус 45°) | |
| 28 | 78 | NPTF/NPSM Thread / Резьба NPTF/NPMS | |
| 30 | | SAE O-ring Thread / Резьба SAE с уплотнительным кольцом | |
| 33 | 83 | Code 61 SAE flange 3000 psi / Фланец SAE 3000 psi Код 61 | |
| | 85 | Xtraflange / Фланец XTRA | |
| 36 | 86 | Code 62 SAE flange 6000 psi / Фланец SAE 6000 psi Код 62 | |
| 38 | | JIS (Toyota) Thread / Резьба JIS (Toyota) | |
| 39 | 89 | Supercat flange / Фланец SUPERCAT | |
| 40 | | JIS (Komatsu) Thread / Резьба JIS (Komatsu) | |
| 41 | | NPTF Swivel Male / Поворотная внешняя резьба NPTF | |
| 43 | | SAE O-ring Thread Swivel Male / Поворотная внешняя резьба SAE с уплотнительным кольцом | |
| 44 | | ORFS Long Drop Elbow / Длинный изгиб ORFS | |
| 47 | | JIC Thread (37° cone) Elbow Long Drop / Резьба JIC длинный изгиб (конус 37°) | |
| 48 | | Staple Lock Connection / Штапельное закрывающее соединение | |
| 49 | | Wash Cleaning Female / Отделочная внутренняя резьба | |

When the first digit is 8, it denotes Bolt type or SAE split flange, namely:

| | |
|--|------|
| Когда первая цифра – 8, означает тип болта или разъемный фланец SAE, т.е.: | |
| SAE Split Flange 3000 psi / Фланец SAE 3000 psi Код 61 | = 33 |
| Xtraflange / Фланец Xtra | = 85 |
| SAE Split Flange 6000 psi / Фланец SAE 6000 psi Код 62 | = 36 |
| BSP Bolt / BSP Болт | = 02 |
| Metric Bolt / Метрический болт | = 08 |

FOURTH DIGIT ЧЕТВЕРТАЯ ЦИФРА

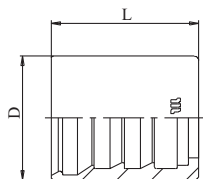
| | | |
|-------------------------------|-------------------------------|-----------------------------------|
| 1 = Straight / Прямой | 4 = 45° Swept / Изгиб 45° | 8 = Compact type / Компактный тип |
| 2 = 22,5° Swept / Изгиб 22,5° | 6 = 60° Swept / Изгиб 60° | 9 = 90° Swept / Изгиб 90° |
| 3 = 30° Swept / Изгиб 30° | 7 = 67,5° Swept / Изгиб 67,5° | |



FIFTH DIGIT ПЯТАЯ ЦИФРА

| | |
|---|--|
| 3 = Slip-on Nut / Накладная гайка | |
| 2 = Thrust-wire Nut / Гайка с фиксирующим штифтом | |
| 1 = Crimped-back Nut - Multifit flange / Предварительно обжатая гайка - Фланец Multifit | |
| 0 = Male/Ferrule - Interlock/Xtralock flange / Внешняя резьба/Муфта - Фланец Interlock/Xtralock | |

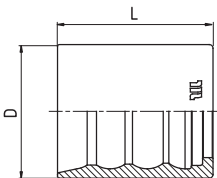




M00110

SKIVE FERRULE FOR WIRE BRAID HOSES

ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТОЧНЫХ РУКАВОВ (СО СНЯТИЕМ РЕЗИНЫ)



M00120

SKIVE FERRULE FOR WIRE BRAID HOSES

ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТОЧНЫХ И НАВИВОЧНЫХ РУКАВОВ
(СО СНЯТИЕМ РЕЗИНЫ)

| PART. REF. | HOSE BORE | | DIMENSIONS mm | | | | | | |
|------------|-----------|--|------------------|--|--|--|--|--|--|
|------------|-----------|--|------------------|--|--|--|--|--|--|

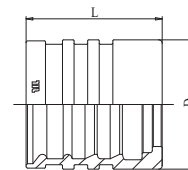
| | DN | inch | Size | | D | L | | | | |
|------------------|----|--------|------|--|------|------|--|--|--|--|
| M00120-03 | 5 | 3/16" | - 03 | | 17,0 | 23,9 | | | | |
| M00120-04 | 6 | 1/4" | - 04 | | 19,5 | 28,0 | | | | |
| M00120-05 | 8 | 5/16" | - 05 | | 20,0 | 28,6 | | | | |
| M00120-06 | 10 | 3/8" | - 06 | | 23,0 | 30,0 | | | | |
| M00120-08 | 12 | 1/2" | - 08 | | 26,7 | 32,0 | | | | |
| M00120-10 | 16 | 5/8" | - 10 | | 32,0 | 38,0 | | | | |
| M00120-12 | 19 | 3/4" | - 12 | | 35,8 | 41,7 | | | | |
| M00120-16 | 25 | 1" | - 16 | | 43,0 | 47,0 | | | | |
| M00110-20 | 31 | 1.1/4" | - 20 | | 50,5 | 59,0 | | | | |
| M00110-24 | 38 | 1.1/2" | - 24 | | 57,0 | 70,0 | | | | |
| M00110-32 | 51 | 2" | - 32 | | 70,0 | 72,0 | | | | |

FERRULE

M00910/M00920

SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES

ЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТОЧНЫХ И НАВИВОЧНЫХ РУКАВОВ
(СО СНЯТИЕМ РЕЗИНЫ)

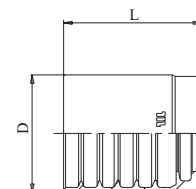


| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|--------|------|---------------|------|------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M00910-03 | 5 | 3/16" | - 03 | | 20,6 | 26,0 | | | | |
| M00910-04 | 6 | 1/4" | - 04 | | 22,0 | 30,0 | | | | |
| M00910-05 | 8 | 5/16" | - 05 | | 24,0 | 31,0 | | | | |
| M00910-06 | 10 | 3/8" | - 06 | | 26,0 | 33,0 | | | | |
| M00910-08 | 12 | 1/2" | - 08 | | 30,0 | 34,0 | | | | |
| M00910-10 | 16 | 5/8" | - 10 | | 33,0 | 39,0 | | | | |
| M00920-12 | 19 | 3/4" | - 12 | | 38,0 | 40,0 | | | | |
| M00920-16 | 25 | 1" | - 16 | | 46,0 | 54,0 | | | | |
| M00920-20 | 31 | 1.1/4" | - 20 | | 57,0 | 60,0 | | | | |
| M00910-24 | 38 | 1.1/2" | - 24 | | 65,0 | 70,0 | | | | |
| M00910-32 | 51 | 2" | - 32 | | 79,0 | 72,0 | | | | |

M03400

NO-SKIVE FERRULE FOR WIRE BRAID HOSES

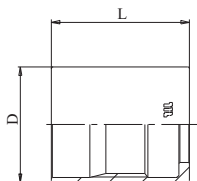
НЕЗАЧИСТНАЯ МУФТА ДЛЯ ОПЛЕТОЧНЫХ РУКАВОВ (БЕЗ СНЯТИЯ РЕЗИНЫ)



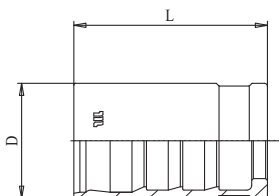
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|---------|------|---------------|-------|------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M03400-03 | 5 | 3/16" | - 03 | | 21,0 | 23,0 | | | | |
| M03400-04 | 6 | 1/4" | - 04 | | 23,0 | 30,5 | | | | |
| M03400-05 | 8 | 5/16" | - 05 | | 24,0 | 30,0 | | | | |
| M03400-06 | 10 | 3/8" | - 06 | | 26,0 | 32,0 | | | | |
| M03400-08 | 12 | 1/2" | - 08 | | 29,0 | 34,0 | | | | |
| M03400-10 | 16 | 5/8" | - 10 | | 33,0 | 37,0 | | | | |
| M03400-12 | 19 | 3/4" | - 12 | | 37,0 | 42,0 | | | | |
| M03400-16 | 25 | 1" | - 16 | | 46,0 | 51,0 | | | | |
| M03400-20 | 31 | 1.1/4" | - 20 | | 59,0 | 59,0 | | | | |
| M03400-24 | 38 | 1.1/2" | - 24 | | 67,0 | 67,0 | | | | |
| M03400-32 | 51 | 2" | - 32 | | 80,0 | 72,0 | | | | |
| M03400-38 | 60 | 2.3/8" | - 38 | | 82,5 | 69,0 | | | | |
| M03400-40 | 63 | 2. 1/2" | - 40 | | 88,9 | 69,0 | | | | |
| M03400-48 | 76 | 3" | - 48 | | 103,0 | 75,0 | | | | |

M00310

NO-SKIVE FERRULE FOR TEXTILE BRAID HOSES
 НЕЗАЧИСТНАЯ МУФТА ДЛЯ РУКАВА С ТКАНЕВОЙ ОПЛЕТКОЙ



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|--------|------|---------------|------|------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M00310-03 | 5 | 3/16" | - 03 | | 17,5 | 27,0 | | | | |
| M00310-04 | 6 | 1/4" | - 04 | | 19,3 | 30,0 | | | | |
| M00310-05 | 8 | 5/16" | - 05 | | 21,0 | 32,0 | | | | |
| M00310-06 | 10 | 3/8" | - 06 | | 24,0 | 32,0 | | | | |
| M00310-08 | 12 | 1/2" | - 08 | | 28,4 | 34,0 | | | | |
| M00310-10 | 16 | 5/8" | - 10 | | 33,0 | 37,0 | | | | |
| M00310-12 | 19 | 3/4" | - 12 | | 37,0 | 43,0 | | | | |
| M00310-16 | 25 | 1" | - 16 | | 43,5 | 51,0 | | | | |
| M00310-20 | 31 | 1.1/4" | - 20 | | 50,0 | 59,0 | | | | |



M00820

NO-SKIVE FERRULE FOR COMPACT HOSES
 НЕЗАЧИСТНАЯ МУФТА ДЛЯ КОМПАКТНЫХ РУКАВОВ

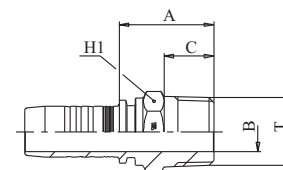
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|--------|------|---------------|------|------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M00820-03 | 5 | 3/16" | - 03 | | 14,0 | 26,4 | | | | |
| M00820-04 | 6 | 1/4" | - 04 | | 18,0 | 30,2 | | | | |
| M00820-05 | 8 | 5/16" | - 05 | | 19,0 | 32,0 | | | | |
| M00820-06 | 10 | 3/8" | - 06 | | 22,0 | 33,0 | | | | |
| M00820-08 | 12 | 1/2" | - 08 | | 26,0 | 33,9 | | | | |
| M00820-10 | 16 | 5/8" | - 10 | | 29,0 | 35,9 | | | | |
| M00820-12 | 19 | 3/4" | - 12 | | 33,0 | 41,7 | | | | |
| M00820-16 | 25 | 1" | - 16 | | 41,0 | 49,7 | | | | |
| M00820-20 | 31 | 1.1/4" | - 20 | | 48,0 | 57,0 | | | | |
| M00820-24 | 38 | 1.1/2" | - 24 | | 55,5 | 66,0 | | | | |
| M00820-32 | 51 | 2" | - 32 | | 68,6 | 70,0 | | | | |

BS STANDARD CONNECTIONS

M10710

BSP MALE TAPERED

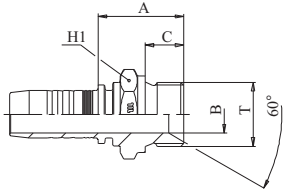
ВСП НАРУЖНАЯ ЦИЛИНДРИЧЕСКАЯ РЕЗЬБА (MALE)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|-------------|---------------|------|------|----|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ |
| M10710-03-02 | 5 | 3/16" | - 03 | 1/8" - 28 | 4,5 | 20,6 | 8,0 | 12 | |
| M10710-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,5 | 24,5 | 12,0 | 14 | |
| M10710-04-02 | 6 | 1/4" | - 04 | 1/8" - 28 | 4,5 | 21,0 | 8,0 | 12 | |
| M10710-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,5 | 25,0 | 12,0 | 14 | |
| M10710-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 7,0 | 26,0 | 12,0 | 19 | |
| M10710-04-08 | 6 | 1/4" | - 04 | 1/2" - 14 | 10,0 | 29,5 | 15,0 | 22 | |
| M10710-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 7,0 | 26,5 | 12,0 | 19 | |
| M10710-05-08 | 8 | 5/16" | - 05 | 1/2" - 14 | 10,0 | 30,0 | 15,0 | 22 | |
| M10710-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 27,1 | 12,0 | 19 | |
| M10710-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 10,0 | 30,6 | 15,0 | 22 | |
| M10710-08-04 | 12 | 1/2" | - 08 | 1/4" - 19 | 4,5 | 26,0 | 12,0 | 19 | |
| M10710-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 10,0 | 31,1 | 15,0 | 22 | |
| M10710-10-08 | 16 | 5/8" | - 10 | 1/2" - 14 | 10,0 | 31,0 | 15,0 | 22 | |
| M10710-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 17,0 | 37,0 | 17,0 | 27 | |
| M10710-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 17,0 | 35,5 | 17,0 | 27 | |
| M10710-16-16 | 25 | 1" | - 16 | 1" - 11 | 22,5 | 41,8 | 21,0 | 36 | |
| M10710-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 28,5 | 47,5 | 23,0 | 46 | |
| M10710-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 50,0 | 23,0 | 50 | |
| M10710-32-32 | 51 | 2" | - 32 | 2" - 11 | 44,0 | 55,4 | 27,0 | 65 | |

M10510

BSP MALE PARALLEL 60° CONE SEAT - BS5200
 BSP НАРУЖНАЯ ПАРАЛЛЕЛЬНАЯ РЕЗЬБА С УГЛОМ 60°
 И КОНУСНЫМ УПЛОТНЕНИЕМ BS5200 (MALE)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|

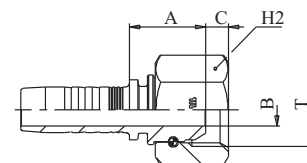
| | DN | inch | Size | T | B | A | C | | H ₁ |
|-------------------------|----|--------|------|-------------|------|------|------|--|----------------|
| M10510-03-02 | 5 | 3/16" | - 03 | 1/8" - 28 | 3,5 | 22,5 | 10,0 | | 14 |
| M10510-04-02 | 6 | 1/4" | - 04 | 1/8" - 28 | 3,5 | 22,5 | 10,0 | | 14 |
| M10510-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 5,0 | 25,5 | 11,0 | | 19 |
| M10510-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 8,0 | 27,0 | 12,0 | | 22 |
| M10510-05-04 | 8 | 5/16" | - 05 | 1/4" - 19 | 5,0 | 26,0 | 11,0 | | 19 |
| M10510-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 8,0 | 27,5 | 12,0 | | 22 |
| NEW M10510-06-04 | 10 | 3/8" | - 06 | 1/4" - 19 | 5,0 | 26,0 | 11,0 | | 19 |
| M10510-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 8,0 | 28,1 | 12,0 | | 22 |
| M10510-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 11,0 | 30,6 | 14,0 | | 27 |
| M10510-08-06 | 12 | 1/2" | - 08 | 3/8" - 19 | 8,0 | 28,1 | 12,0 | | 22 |
| M10510-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 11,0 | 31,1 | 14,0 | | 27 |
| M10510-08-10 | 12 | 1/2" | - 08 | 5/8" - 14 | 14,5 | 33,1 | 16,0 | | 30 |
| M10510-08-12 | 12 | 1/2" | - 08 | 3/4" - 14 | 17,0 | 34,1 | 16,0 | | 32 |
| M10510-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 14,5 | 33,1 | 16,0 | | 30 |
| M10510-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 17,0 | 34,1 | 16,0 | | 32 |
| M10510-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 17,0 | 35,5 | 16,0 | | 32 |
| M10510-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 22,5 | 39,5 | 19,0 | | 41 |
| M10510-16-16 | 25 | 1" | - 16 | 1" - 11 | 22,5 | 40,8 | 19,0 | | 41 |
| M10510-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 28,5 | 44,8 | 20,0 | | 50 |
| M10510-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 28,5 | 46,5 | 20,0 | | 50 |
| M10510-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 33,5 | 49,5 | 22,0 | | 55 |
| M10510-32-32 | 51 | 2" | - 32 | 2" - 11 | 46,0 | 53,9 | 25,0 | | 70 |

BS STANDARD CONNECTIONS

M20512

BSP FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)

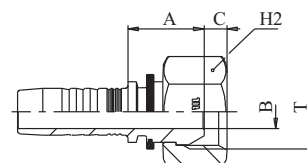
BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 (FEMALE)
(ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



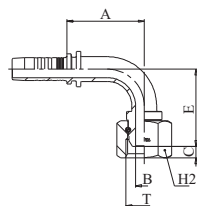
M20513

BSP FEMALE 60° CONE - BS5200 (SLIP-ON NUT)

BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° - BS5200 (FEMALE)
(НАКИДНАЯ ГАЙКА)



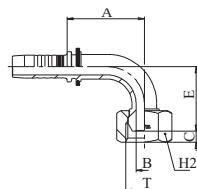
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|-------|--------|---------------|------|------|------|----|--|----|
| | DN | inch | | T | B | A | C | H2 | | |
| M20512-03-02 | 5 | 3/16" | - 03 | 1/8" - 28 | 3,1 | 14,8 | 4,4 | | | 14 |
| M20513-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,0 | 16,5 | 5,4 | | | 19 |
| M20512-04-02 | 6 | 1/4" | - 04 | 1/8" - 28 | 3,1 | 15,5 | 4,4 | | | 14 |
| M20513-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 17,0 | 5,4 | | | 19 |
| M20513-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 7,0 | 19,1 | 6,0 | | | 22 |
| M20512-05-04 | 8 | 5/16" | - 05 | 1/4" - 19 | 4,1 | 17,5 | 4,2 | | | 19 |
| M20513-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 7,0 | 19,1 | 6,0 | | | 22 |
| M20512-06-04 | 10 | 3/8" | - 06 | 1/4" - 19 | 4,1 | 18,1 | 4,2 | | | 19 |
| M20513-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 19,6 | 6,0 | | | 22 |
| M20513-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 20,0 | 6,5 | | | 27 |
| M20512-08-06 | 12 | 1/2" | - 08 | 3/8" - 19 | 7,1 | 20,9 | 6,0 | | | 22 |
| M20513-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 20,4 | 6,5 | | | 27 |
| M20512-08-10 | 12 | 1/2" | - 08 | 5/8" - 14 | 12,1 | 21,9 | 10,2 | | | 28 |
| M20512-08-12 | 12 | 1/2" | - 08 | 3/4" - 14 | 15,0 | 23,4 | 9,0 | | | 32 |
| M20512-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,5 | 21,7 | 10,2 | | | 28 |
| M20512-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 15,0 | 23,2 | 9,0 | | | 32 |
| M20512-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 24,5 | 9,0 | | | 32 |
| M20512-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,8 | 26,0 | 10,5 | | | 38 |
| M20512-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 27,3 | 10,5 | | | 38 |



M20592

90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)

90° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° BS5200
(ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M20593

90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (SLIP-ON NUT)

90° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° BS5200
(НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | THREAD | DIMENSIONS mm | | | | | | | |
|------------|-----------|--------|---------------|--|--|--|--|--|--|--|
|------------|-----------|--------|---------------|--|--|--|--|--|--|--|

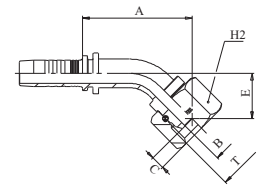
| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|-------|------|----------|------|------|------|------|--|----------------|
| M20592-03-02 | 5 | 3/16" | - 03 | 1/8" -28 | 3,1 | 21,5 | 4,4 | 26,0 | | 14 |
| M20592-04-02 | 6 | 1/4" | - 04 | 1/8" -28 | 3,1 | 28,5 | 4,4 | 27,0 | | 14 |
| M20593-04-04 | 6 | 1/4" | - 04 | 1/4" -19 | 4,0 | 29,5 | 5,4 | 29,0 | | 19 |
| M20593-04-06 | 6 | 1/4" | - 04 | 3/8" -19 | 7,0 | 29,5 | 6,0 | 31,0 | | 22 |
| M20592-05-04 | 8 | 5/16" | - 05 | 1/4" -19 | 4,1 | 26,5 | 5,4 | 29,5 | | 19 |
| M20593-05-06 | 8 | 5/16" | - 05 | 3/8" -19 | 7,0 | 32,0 | 6,0 | 27,5 | | 22 |
| M20593-06-06 | 10 | 3/8" | - 06 | 3/8" -19 | 7,0 | 36,5 | 6,0 | 31,5 | | 22 |
| M20593-06-08 | 10 | 3/8" | - 06 | 1/2" -14 | 9,3 | 36,5 | 6,5 | 32,0 | | 27 |
| M20592-08-06 | 12 | 1/2" | - 08 | 3/8" -19 | 7,0 | 45,0 | 6,0 | 41,0 | | 22 |
| M20593-08-08 | 12 | 1/2" | - 08 | 1/2" -14 | 9,3 | 45,0 | 6,5 | 36,5 | | 27 |
| M20592-08-10 | 12 | 1/2" | - 08 | 5/8" -14 | 12,1 | 44,0 | 10,2 | 44,0 | | 28 |
| M20592-08-12 | 12 | 1/2" | - 08 | 3/4" -14 | 15,0 | 44,0 | 9,0 | 45,5 | | 32 |
| M20592-10-10 | 16 | 5/8" | - 10 | 5/8" -14 | 12,5 | 53,5 | 10,2 | 53,5 | | 28 |
| M20592-10-12 | 16 | 5/8" | - 10 | 3/4" -14 | 15,0 | 53,5 | 9,0 | 55,0 | | 32 |
| M20592-12-12 | 19 | 3/4" | - 12 | 3/4" -14 | 15,5 | 61,5 | 9,0 | 59,5 | | 32 |
| M20592-12-16 | 19 | 3/4" | - 12 | 1" -11 | 19,8 | 61,5 | 10,5 | 62,0 | | 38 |
| M20592-16-16 | 25 | 1" | - 16 | 1" -11 | 19,8 | 79,5 | 10,5 | 76,0 | | 38 |

BS STANDARD CONNECTIONS

M20542

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)

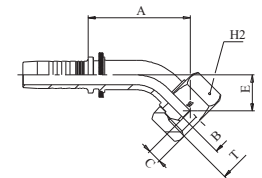
45° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° BS5200
(ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



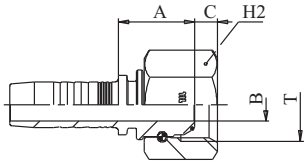
M20543

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (SLIP-ON NUT)

45° BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО ИЗГИБА 60° BS5200
(НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | Size | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|-----------|---------------|------|------|------|---|----------------|
| | DN | inch | | | T | B | A | C | E | H ₂ |
| M20543-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 36,0 | 5,4 | 15,0 | | 19 |
| M20543-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 7,0 | 37,5 | 6,0 | 16,0 | | 19 |
| M20543-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 7,0 | 38,0 | 6,0 | 13,5 | | 22 |
| M20543-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 42,0 | 6,0 | 15,0 | | 22 |
| M20543-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 42,5 | 6,5 | 16,0 | | 27 |
| M20543-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 49,5 | 6,5 | 17,0 | | 27 |
| M20542-08-10 | 12 | 1/2" | - 08 | 5/8" - 14 | 12,1 | 54,5 | 10,2 | 22,5 | | 28 |
| M20542-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,5 | 63,0 | 10,2 | 26,0 | | 28 |
| M20542-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 15,0 | 64,0 | 9,0 | 27,0 | | 32 |
| M20542-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,5 | 70,5 | 9,0 | 28,5 | | 32 |
| M20542-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,8 | 72,5 | 10,5 | 30,0 | | 38 |
| M20542-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 91,0 | 10,5 | 36,5 | | 38 |



M20812

BSP O-RING FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)
 BSP ВНУТРЕННЯЯ РЕЗЬБА O-RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ)
 С УГЛОМ КОНУСА 60° BS5200 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

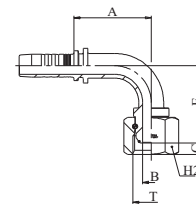
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|--------|------------------|------|------|------|---|----------------|
| | DN | inch | | Size | T | B | A | C | H ₂ |
| M20812-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 17,5 | 4,9 | | 19 |
| M20812-06-04 | 10 | 3/8" | - 06 | 1/4" - 19 | 4,0 | 18,1 | 4,9 | | 19 |
| M20812-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 20,4 | 6,1 | | 22 |
| M20812-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 20,4 | 6,5 | | 27 |
| M20812-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,5 | 22,1 | 9,7 | | 30 |
| M20812-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 25,0 | 8,5 | | 32 |
| M20812-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 27,3 | 10,6 | | 38 |
| M20812-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 26,1 | 30,8 | 10,5 | | 50 |
| M20812-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 26,0 | 31,5 | 10,5 | | 50 |
| M20812-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" - 11 | 32,1 | 29,5 | 12,5 | | 60 |
| M20812-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 30,5 | 12,5 | | 60 |
| M20812-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 31,9 | 16,1 | | 70 |

BS STANDARD CONNECTIONS

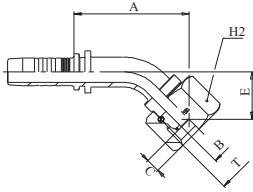
M20892

90° BSP O-RING FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)

90° BSP ВНУТРЕННЯЯ РЕЗЬБА O'RING (С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ)
С УГЛОМ КОНУСА 60° BS5200 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|--------|---------------|------|-------|------|-------|---|----------------|
| | DN | inch | | Size | T | B | A | C | E | H ₂ |
| M20892-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 28,5 | 4,9 | 28,5 | | 19 |
| M20892-06-04 | 10 | 3/8" | - 06 | 1/4" - 19 | 4,0 | 35,5 | 4,9 | 33,0 | | 19 |
| M20892-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 35,5 | 6,1 | 36,0 | | 22 |
| M20892-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 44,5 | 6,5 | 42,0 | | 27 |
| M20892-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,5 | 53,0 | 9,7 | 55,0 | | 30 |
| M20892-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 61,5 | 8,5 | 60,0 | | 32 |
| M20892-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 79,5 | 10,6 | 76,0 | | 38 |
| M20892-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 26,1 | 79,5 | 10,5 | 78,5 | | 50 |
| M20892-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 26,0 | 90,5 | 10,5 | 83,5 | | 50 |
| M20892-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" - 11 | 32,1 | 90,5 | 12,5 | 84,5 | | 60 |
| M20892-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 108,0 | 12,5 | 98,5 | | 60 |
| M20892-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 131,0 | 16,1 | 110,5 | | 70 |



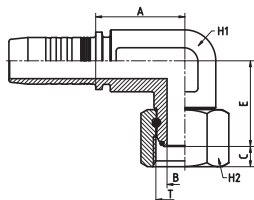
M20842

45° BSP O-RING FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)

45° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° BS5200
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|--------|------|------------|------|-------|------|------|--|----------------|
| M20842-04-04 | 6 | 1/4" | - 04 | 1/4" -19 | 4,0 | 36,0 | 4,9 | 15,0 | | 19 |
| M20842-06-06 | 10 | 3/8" | - 06 | 3/8" -19 | 7,0 | 44,5 | 6,1 | 18,5 | | 22 |
| M20842-08-08 | 12 | 1/2" | - 08 | 1/2" -14 | 9,3 | 52,0 | 6,5 | 20,5 | | 27 |
| M20842-10-10 | 16 | 5/8" | - 10 | 5/8" -14 | 12,5 | 63,5 | 9,7 | 27,5 | | 30 |
| M20842-12-12 | 19 | 3/4" | - 12 | 3/4" -14 | 15,5 | 71,0 | 8,5 | 29,0 | | 32 |
| M20842-16-16 | 25 | 1" | - 16 | 1" -11 | 19,8 | 90,5 | 10,6 | 35,6 | | 38 |
| M20842-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" -11 | 26,0 | 101,5 | 10,5 | 39,0 | | 50 |
| M20842-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" -11 | 32,0 | 118,0 | 12,5 | 45,0 | | 60 |
| M20842-32-32 | 51 | 2" | - 32 | 2" -11 | 42,0 | 134,0 | 16,1 | 47,0 | | 70 |



M20882F

90° BSP O-RING FEMALE COMPACT ELBOW 60° CONE BS5200 (THRUST-WIRE NUT)

90° ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСНОГО КОМПАКТНОГО
ИЗГИБА 60° BS5200 С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

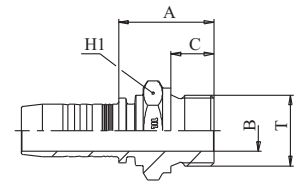
| | DN | inch | Size | T | B | A | C | E | H ₁ | H ₂ |
|---------------|----|------|------|-----------|------|------|------|------|----------------|----------------|
| M20882-04-04F | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 20,0 | 4,9 | 22,0 | 14 | 19 |
| M20882-06-06F | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 23,1 | 6,1 | 27,5 | 19 | 22 |
| M20882-08-08F | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 24,9 | 6,5 | 31,1 | 22 | 27 |
| M20882-10-10F | 16 | 5/8" | - 10 | 5/8" - 14 | 12,5 | 24,6 | 9,7 | 32,5 | 24 | 28 |
| M20882-12-12F | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 37,5 | 8,5 | 36,0 | 27 | 32 |
| M20882-16-16F | 25 | 1" | - 16 | 1" - 11 | 20,0 | 51,8 | 10,6 | 44,0 | 36 | 38 |

BS STANDARD CONNECTIONS

M10610

BSP MALE FLAT SEAT

BSР ВНЕШНЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ



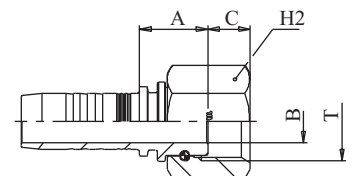
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--|--------|---------------|--|--|--|--|--|
|------------|-----------|--|--|--------|---------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | H ₁ | |
|--------------|----|------|------|-----------|------|------|------|--|----------------|--|
| M10610-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 9,5 | 28,1 | 12,0 | | 22 | |
| M10610-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 13,0 | 30,6 | 14,0 | | 27 | |
| M10610-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 13,0 | 31,1 | 14,0 | | 27 | |
| M10610-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 18,0 | 35,5 | 16,0 | | 32 | |

M20612

BSP FEMALE FLAT SEAT (THRUST-WIRE NUT)

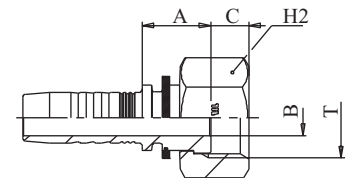
BSР ВНУТРЕННЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M20613

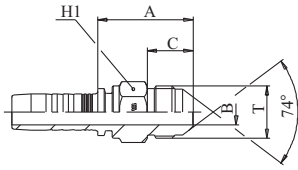
BSP FEMALE FLAT SEAT (SLIP-ON NUT)

BSР ВНУТРЕННЯЯ РЕЗЬБА С ПЛОСКОЙ УПЛОТНИТЕЛЬНОЙ ПОВЕРХНОСТЬЮ (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--|--------|---------------|--|--|--|--|--|
|------------|-----------|--|--|--------|---------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | | H ₂ |
|--------------|----|------|------|-----------|------|------|------|--|--|----------------|
| M20613-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 14,5 | 7,9 | | | 19 |
| M20613-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 16,6 | 9,0 | | | 22 |
| M20613-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 17,5 | 9,8 | | | 27 |
| M20613-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 17,9 | 9,8 | | | 27 |
| M20612-08-12 | 12 | 1/2" | - 08 | 3/4" - 14 | 15,0 | 20,9 | 11,5 | | | 32 |
| M20612-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 15,0 | 20,7 | 11,5 | | | 32 |
| M20612-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 22,0 | 11,5 | | | 32 |
| M20612-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,8 | 23,5 | 13,0 | | | 38 |
| M20612-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 24,8 | 13,0 | | | 38 |



M12510

JIC MALE 37° CONE - SAE J516/J514
 JIC СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ И УГЛОМ
 КОНУСА 37° SAE J516/J514

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|

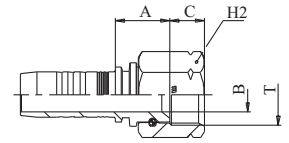
| | DN | inch | Size | T | B | A | C | | H _i | |
|--------------|----|--------|------|--------------|------|------|------|--|----------------|--|
| M12510-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 28,0 | 14,0 | | 12 | |
| M12510-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 5,5 | 29,0 | 14,0 | | 14 | |
| M12510-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 29,0 | 14,0 | | 17 | |
| M12510-05-05 | 8 | 5/16" | - 05 | 1/2" - 20 | 5,5 | 29,0 | 14,0 | | 14 | |
| M12510-05-06 | 8 | 5/16" | - 05 | 9/16" - 18 | 7,0 | 29,0 | 14,0 | | 17 | |
| M12510-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 29,6 | 14,0 | | 17 | |
| M12510-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 9,3 | 34,1 | 16,5 | | 19 | |
| M12510-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 12,5 | 38,6 | 19,5 | | 24 | |
| M12510-08-06 | 12 | 1/2" | - 08 | 9/16" - 18 | 7,0 | 32,0 | 14,0 | | 19 | |
| M12510-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 34,4 | 16,5 | | 19 | |
| M12510-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 12,5 | 38,9 | 19,5 | | 24 | |
| M12510-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 15,0 | 42,9 | 22,0 | | 27 | |
| M12510-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 39,2 | 19,5 | | 24 | |
| M12510-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 15,0 | 42,7 | 22,0 | | 27 | |
| M12510-12-10 | 19 | 3/4" | - 12 | 7/8" - 14 | 12,5 | 41,5 | 19,5 | | 27 | |
| M12510-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 44,0 | 22,0 | | 27 | |
| M12510-12-14 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 16,0 | 44,5 | 22,5 | | 32 | |
| M12510-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 47,0 | 23,0 | | 34 | |
| M12510-16-12 | 25 | 1" | - 16 | 1.1/16" - 12 | 15,0 | 44,8 | 22,0 | | 32 | |
| M12510-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 47,8 | 23,0 | | 34 | |
| M12510-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 52,8 | 24,3 | | 42 | |
| M12510-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 53,5 | 24,3 | | 42 | |
| M12510-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 32,0 | 60,5 | 27,5 | | 50 | |
| M12510-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 60,5 | 27,5 | | 50 | |
| M12510-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 71,8 | 34,0 | | 65 | |

SAE STANDARD CONNECTIONS

M22512

JIC FEMALE 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

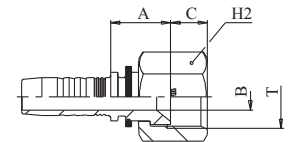
ЖИС СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M22513

JIC FEMALE 37° CONE SEAT - SAE J516/J514 (SLIP-ON NUT)

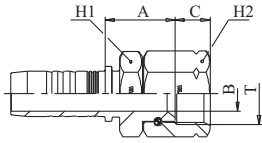
ЖИС СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | | H ₂ |
|-------------------------|----|--------|------|--------------|------|------|------|--|--|----------------|
| M22513-03-04 | 5 | 3/16" | - 03 | 7/16" - 20 | 3,0 | 15,1 | 9,0 | | | 15 |
| M22512-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 15,5 | 8,2 | | | 17 |
| M22512-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 4,0 | 15,8 | 9,2 | | | 17 |
| M22513-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 16,5 | 9,8 | | | 19 |
| M22512-05-05 | 8 | 5/16" | - 05 | 1/2" - 20 | 5,5 | 16,0 | 9,2 | | | 17 |
| M22512-05-06 | 8 | 5/16" | - 05 | 9/16" - 18 | 7,0 | 15,7 | 9,7 | | | 19 |
| M22513-05-08 | 8 | 5/16" | - 05 | 3/4" - 16 | 5,5 | 16,7 | 10,7 | | | 22 |
| NEW M22512-06-05 | 10 | 3/8" | - 06 | 1/2" - 20 | 5,5 | 16,6 | 9,5 | | | 17 |
| M22512-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 16,1 | 9,2 | | | 19 |
| M22513-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 17,3 | 10,7 | | | 22 |
| M22513-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 9,3 | 18,1 | 12,4 | | | 27 |
| M22512-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 19,9 | 10,2 | | | 22 |
| M22513-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 18,5 | 12,4 | | | 27 |
| M22513-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 12,5 | 21,8 | 13,8 | | | 32 |
| M22512-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 19,9 | 12,3 | | | 27 |
| M22513-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 12,5 | 21,7 | 13,8 | | | 32 |
| M22512-12-10 | 19 | 3/4" | - 12 | 7/8" - 14 | 12,5 | 21,5 | 12,3 | | | 27 |
| M22512-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 22,5 | 14,2 | | | 32 |
| M22512-12-14 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 15,0 | 23,1 | 14,8 | | | 36 |
| M22512-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 23,0 | 15,2 | | | 38 |
| M22512-16-12 | 25 | 1" | - 16 | 1.1/16" - 12 | 15,0 | 23,3 | 14,4 | | | 32 |
| M22512-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 23,8 | 15,2 | | | 38 |
| M22512-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 29,8 | 16,2 | | | 50 |
| M22512-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 30,0 | 16,2 | | | 50 |
| M22512-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 32,0 | 35,0 | 18,8 | | | 60 |
| M22512-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 35,0 | 18,8 | | | 60 |
| M22512-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 44,0 | 35,4 | 24,0 | | | 75 |

SAE STANDARD CONNECTIONS



M22712

JIC FEMALE 37° CONE SEAT DOUBLE EXAGON - SAE J516/J514 (THRUST-WIRE NUT)

90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ
УПЛОТНЕНИЕМ SAE J516/J514 DOUBLE EXAGON (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

| PART. REF. | HOSE BORE | THREAD | DIMENSIONS mm |
|------------|-----------|--------|------------------|
|------------|-----------|--------|------------------|

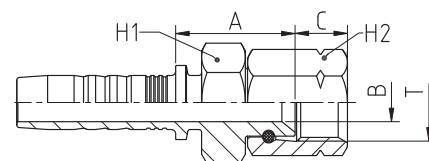
| | DN | inch | Size | T | B | A | C | H ₁ | H ₂ |
|-------------------------|----|--------|------|--------------|------|------|------|----------------|----------------|
| M22712-03-04 | 5 | 3/16" | - 03 | 7/16" - 20 | 4,0 | 20,5 | 8,2 | 12 | 17 |
| M22712-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 21,0 | 8,2 | 12 | 17 |
| M22712-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 4,0 | 21,5 | 9,2 | 12 | 17 |
| M22712-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 24,1 | 9,2 | 14 | 19 |
| M22712-05-05 | 8 | 5/16" | - 05 | 1/2" - 20 | 5,5 | 21,5 | 9,2 | 14 | 17 |
| M22712-05-06 | 8 | 5/16" | - 05 | 9/16" - 18 | 7,0 | 24,1 | 9,2 | 14 | 19 |
| NEW M22712-05-08 | 8 | 5/16" | - 05 | 3/4" - 16 | 9,3 | 26,0 | 10,6 | 19 | 22 |
| M22712-06-04 | 10 | 3/8" | - 06 | 7/16" - 20 | 4,0 | 24,5 | 8,2 | 17 | 17 |
| M22712-06-05 | 10 | 3/8" | - 06 | 1/2" - 20 | 5,5 | 25,0 | 9,2 | 17 | 17 |
| M22712-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 24,6 | 9,2 | 17 | 19 |
| M22712-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 9,3 | 27,1 | 10,2 | 19 | 22 |
| M22712-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 12,5 | 28,0 | 12,3 | 22 | 27 |
| M22712-08-06 | 12 | 1/2" | - 08 | 9/16" - 18 | 7,0 | 24,7 | 9,2 | 19 | 19 |
| M22712-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 27,4 | 10,2 | 19 | 22 |
| M22712-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 12,5 | 28,4 | 12,3 | 22 | 27 |
| M22712-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 14,0 | 30,0 | 14,2 | 27 | 32 |
| M22712-10-08 | 16 | 5/8" | - 10 | 3/4" - 16 | 9,3 | 28,5 | 10,2 | 22 | 22 |
| M22712-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 29,0 | 12,3 | 22 | 27 |
| M22712-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 15,0 | 29,5 | 14,2 | 27 | 32 |
| M22712-12-08 | 19 | 3/4" | - 12 | 3/4" - 16 | 9,3 | 30,0 | 10,2 | 27 | 22 |
| M22712-12-10 | 19 | 3/4" | - 12 | 7/8" - 14 | 12,5 | 30,0 | 12,3 | 27 | 27 |
| M22712-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 31,5 | 14,2 | 27 | 32 |
| M22712-12-14 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 15,0 | 33,0 | 14,8 | 30 | 36 |
| M22712-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 32,5 | 15,2 | 32 | 38 |
| M22712-16-12 | 25 | 1" | - 16 | 1.1/16" - 12 | 12,5 | 33,8 | 14,2 | 32 | 32 |
| M22712-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 34,3 | 15,2 | 32 | 38 |
| M22712-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 42,8 | 16,2 | 41 | 50 |
| M22712-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 43,5 | 16,2 | 41 | 50 |
| M22712-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 51,0 | 18,8 | 50 | 60 |
| M22712-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 55,5 | 24,0 | 65 | 75 |

SAE STANDARD CONNECTIONS

M22712K

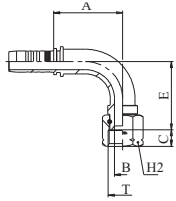
**JIC FEMALE 37° CONE SEAT DOUBLE EXAGON
COMPACT TYPE - SAE J516/J514 (THRUST-WIRE NUT)**

ЖИС СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ
SAE J516/J514 DOUBLE EXAGON КОМПАКТНОГО ТИПА (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|---------------|-----------|-------|------|------------|------------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M22712-03-04K | 5 | 3/16" | - 03 | 7/16" - 20 | 4,0 | 20,5 | 8,2 | | 12 | 15 |
| M22712-04-04K | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 21,0 | 8,2 | | 12 | 15 |
| M22712-04-06K | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 24,1 | 9,2 | | 14 | 17 |
| M22712-06-06K | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 24,6 | 9,2 | | 17 | 17 |
| M22712-08-10K | 12 | 1/2" | - 08 | 7/8" - 14 | 12,5 | 28,4 | 12,6 | | 22 | 25 |
| M22712-10-10K | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 29,0 | 12,6 | | 22 | 25 |

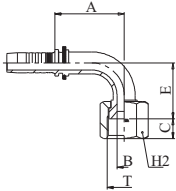
SAE STANDARD CONNECTIONS



M22592

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M22593

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (SLIP-ON NUT)

90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | H ₂ |
|-------------------------|----|--------|------|--------------|------|-------|------|-------|----------------|
| M22593-03-04 | 5 | 3/16" | - 03 | 7/16" - 20 | 3,0 | 26,0 | 9,0 | 23,5 | 15 |
| M22592-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 28,5 | 8,2 | 27,0 | 17 |
| M22592-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 4,0 | 28,5 | 9,2 | 27,5 | 17 |
| M22593-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 29,5 | 9,8 | 28,0 | 19 |
| NEW M22593-04-08 | 6 | 1/4" | - 04 | 3/4" - 16 | 7,0 | 29,3 | 11,0 | 30,5 | 22 |
| M22592-05-05 | 8 | 5/16" | - 05 | 1/2" - 20 | 5,5 | 29,5 | 9,2 | 27,5 | 17 |
| M22592-05-06 | 8 | 5/16" | - 05 | 9/16" - 18 | 7,0 | 31,0 | 9,2 | 28,5 | 19 |
| NEW M22592-06-05 | 10 | 3/8" | - 06 | 1/2" - 20 | 5,5 | 30,1 | 9,5 | 26,5 | 17 |
| M22592-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 35,5 | 9,2 | 32,5 | 19 |
| M22593-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 36,5 | 10,7 | 29,5 | 22 |
| M22593-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 9,3 | 36,5 | 12,4 | 31,5 | 27 |
| M22592-08-06 | 12 | 1/2" | - 08 | 9/16" - 18 | 7,0 | 37,0 | 9,2 | 33,0 | 19 |
| M22592-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 44,0 | 10,2 | 41,0 | 22 |
| M22593-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 45,0 | 12,4 | 36,0 | 27 |
| M22593-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 12,5 | 45,0 | 13,8 | 36,0 | 32 |
| M22592-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 53,5 | 12,3 | 52,5 | 27 |
| M22593-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 12,5 | 51,5 | 13,8 | 50,0 | 32 |
| M22592-12-10 | 19 | 3/4" | - 12 | 7/8" - 14 | 12,5 | 55,0 | 12,3 | 52,5 | 27 |
| M22592-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 62,0 | 14,2 | 58,0 | 32 |
| M22592-12-14 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 15,0 | 62,0 | 14,8 | 58,0 | 36 |
| M22592-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 62,0 | 15,2 | 57,5 | 38 |
| M22592-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 77,0 | 15,2 | 67,0 | 38 |
| M22592-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 77,5 | 16,2 | 74,5 | 50 |
| M22592-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 90,5 | 16,2 | 86,5 | 50 |
| M22592-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 32,0 | 90,5 | 18,8 | 91,0 | 60 |
| M22592-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 108,0 | 18,8 | 100,5 | 60 |
| M22592-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 44,0 | 142,0 | 24,0 | 137,0 | 75 |

SAE STANDARD CONNECTIONS

M24792

90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

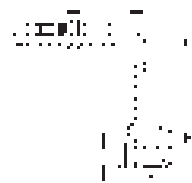
90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ И УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ LONG DROP ELBOW SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M24793

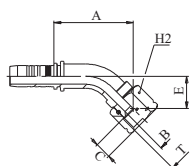
90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516/J514 (SLIP-ON NUT)

90° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ LONG DROP ELBOW SAE J516/J514 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|------|--------|------------------|------|------|------|-------|----------------|----|
| | DN | inch | | T | B | A | C | E | H ₂ | |
| M24792-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 28,5 | 8,2 | 45,0 | | 17 |
| M24792-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 4,0 | 28,5 | 9,2 | 45,0 | | 17 |
| M24793-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 29,5 | 9,8 | 55,5 | | 19 |
| M24792-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 35,5 | 9,2 | 55,0 | | 19 |
| M24793-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 36,5 | 10,7 | 61,5 | | 22 |
| M24792-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,4 | 40,6 | 10,3 | 61,5 | | 22 |
| M24793-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,4 | 45,0 | 12,4 | 65,0 | | 27 |
| M24792-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 53,5 | 12,3 | 65,5 | | 27 |
| M24792-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 62,0 | 14,2 | 94,5 | | 32 |
| M24792-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 77,0 | 15,2 | 110,0 | | 38 |

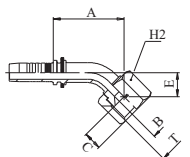
SAE STANDARD CONNECTIONS



M22542

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

45° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M22543

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (SLIP-ON NUT)

45° JIC СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (НАКИДНАЯ ГАЙКА)

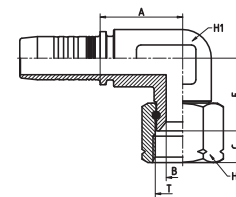
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|--------|---------------|------|-------|------|------|----------------|
| | DN | inch | | T | B | A | C | E | H ₂ |
| M22542-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 35,5 | 8,2 | 14,5 | 17 |
| M22542-04-05 | 6 | 1/4" | - 04 | 1/2" - 20 | 4,0 | 35,7 | 9,2 | 14,5 | 17 |
| M22543-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 35,5 | 9,8 | 14,0 | 19 |
| M22542-05-05 | 8 | 5/16" | - 05 | 1/2" - 20 | 5,5 | 37,5 | 9,2 | 14,5 | 17 |
| M22542-05-06 | 8 | 5/16" | - 05 | 9/16" - 18 | 7,0 | 38,0 | 9,2 | 14,5 | 19 |
| M22542-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 42,0 | 9,2 | 16,5 | 19 |
| M22543-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 41,0 | 10,7 | 14,0 | 22 |
| M22543-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 9,3 | 42,5 | 12,4 | 15,5 | 27 |
| M22542-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 52,0 | 10,2 | 20,0 | 22 |
| M22543-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 49,5 | 12,4 | 17,0 | 27 |
| M22543-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 12,5 | 50,0 | 13,8 | 17,0 | 32 |
| M22542-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 62,0 | 12,3 | 25,5 | 27 |
| M22543-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 12,5 | 60,0 | 13,8 | 24,0 | 32 |
| M22542-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 70,0 | 14,2 | 27,5 | 32 |
| M22542-12-14 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 15,0 | 69,0 | 14,8 | 27,5 | 36 |
| M22542-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 70,0 | 15,2 | 27,5 | 38 |
| M22542-16-12 | 25 | 1" | - 16 | 1.1/16" - 12 | 15,0 | 72,5 | 14,2 | 27,5 | 32 |
| M22542-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 86,0 | 15,2 | 32,0 | 38 |
| M22542-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 90,0 | 16,2 | 36,0 | 50 |
| M22542-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 103,5 | 16,2 | 41,5 | 50 |
| M22542-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 32,0 | 106,5 | 18,8 | 44,5 | 60 |
| M22542-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 119,0 | 18,8 | 46,5 | 60 |
| M22542-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 44,0 | 163,0 | 24,0 | 68,0 | 75 |

SAE STANDARD CONNECTIONS

M22582F

90° JIC FEMALE COMPACT ELBOW 37° CONE SEAT SAE J516/J514
(THRUST-WIRE NUT)

90° JIC КОМПАКТНОЕ СОЕДИНЕНИЕ С ВНУТРЕННЕЙ РЕЗЬБОЙ С УГЛОМ 37° И
КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



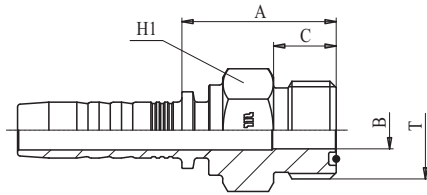
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | H ₁ | H ₂ |
|---------------|----|------|------|--------------|------|------|------|------|----------------|----------------|
| M22582-04-04F | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 20,0 | 8,2 | 20,5 | 14 | 17 |
| M22582-04-06F | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 20,0 | 9,2 | 21,5 | 14 | 19 |
| M22582-06-06F | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 23,1 | 9,2 | 24,0 | 19 | 19 |
| M22582-06-08F | 10 | 3/8" | - 06 | 3/4" - 16 | 9,3 | 26,6 | 10,2 | 28,0 | 22 | 22 |
| M22582-08-08F | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 24,9 | 10,2 | 28,0 | 22 | 22 |
| M22582-08-10F | 12 | 1/2" | - 08 | 7/8" - 14 | 12,5 | 24,9 | 12,3 | 29,0 | 22 | 27 |
| M22582-12-12F | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 37,5 | 14,2 | 33,0 | 27 | 32 |
| M22582-16-16F | 25 | 1" | - 16 | 1.5/16" - 12 | 20,0 | 51,8 | 15,2 | 40,0 | 36 | 38 |

M12410

ORFS MALE - SAE J1453

ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ SAE J1453



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|

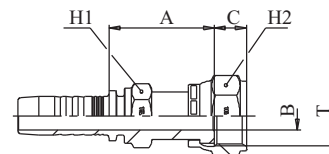
| | DN | inch | Size | T | B | A | C | | H ₁ | |
|--------------|----|--------|------|---------------|------|------|------|--|----------------|--|
| M12410-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 24,0 | 9,8 | | 16 | |
| M12410-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 6,7 | 26,6 | 11,2 | | 19 | |
| M12410-05-06 | 8 | 3/8" | - 05 | 11/16" - 16 | 6,7 | 27,0 | 11,2 | | 19 | |
| M12410-06-06 | 10 | 5/16" | - 06 | 11/16" - 16 | 6,7 | 27,6 | 11,2 | | 19 | |
| M12410-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 9,3 | 30,0 | 12,8 | | 22 | |
| M12410-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 9,3 | 30,6 | 12,8 | | 22 | |
| M12410-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 12,5 | 35,0 | 15,5 | | 27 | |
| M12410-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 12,5 | 34,7 | 15,5 | | 27 | |
| M12410-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 15,0 | 37,5 | 17,0 | | 32 | |
| M12410-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 15,0 | 39,0 | 17,0 | | 32 | |
| M12410-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,8 | 40,5 | 17,5 | | 38 | |
| M12410-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,8 | 41,8 | 17,5 | | 38 | |
| M12410-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 26,0 | 46,3 | 17,5 | | 46 | |
| M12410-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 32,0 | 48,6 | 17,5 | | 55 | |

SAE STANDARD CONNECTIONS

M22411

ORFS FEMALE - SAE J516/J1453 (CRIMPED-BACK NUT)

ORFS СОЕДИНЕНИЕ С ВНЕШНЕЙ РЕЗЬБОЙ SAE J516/J1453
(ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)



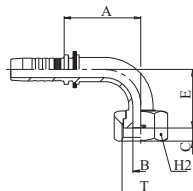
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|------------------|------|------|----|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M22411-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 27,5 | 8,0 | 13 | 19 | |
| M22411-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 7,0 | 30,0 | 9,5 | 16 | 22 | |
| M22411-05-06 | 8 | 5/16" | - 05 | 11/16" - 16 | 7,0 | 30,5 | 9,5 | 16 | 22 | |
| M22411-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 7,0 | 31,1 | 9,5 | 16 | 22 | |
| M22411-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 9,3 | 35,6 | 11,0 | 19 | 24 | |
| M22411-08-06 | 12 | 1/2" | - 08 | 11/16" - 16 | 7,0 | 31,9 | 9,5 | 19 | 22 | |
| M22411-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 9,3 | 35,9 | 11,0 | 19 | 24 | |
| M22411-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 11,5 | 38,4 | 13,5 | 24 | 30 | |
| M22411-08-12 | 12 | 1/2" | - 08 | 1.3/16" - 12 | 13,9 | 41,9 | 14,5 | 28 | 36 | |
| M22411-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 11,5 | 38,7 | 13,5 | 24 | 30 | |
| M22411-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 13,9 | 42,0 | 14,5 | 28 | 36 | |
| M22411-12-10 | 19 | 3/4" | - 12 | 1" - 14 | 11,5 | 41,0 | 13,5 | 28 | 30 | |
| M22411-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 13,9 | 43,5 | 14,5 | 28 | 36 | |
| M22411-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,8 | 45,5 | 15,0 | 36 | 41 | |
| M22411-16-12 | 25 | 1" | - 16 | 1.3/16" - 12 | 13,9 | 45,8 | 14,5 | 36 | 36 | |
| M22411-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,8 | 46,3 | 15,0 | 36 | 41 | |
| M22411-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 26,0 | 49,5 | 14,8 | 41 | 50 | |
| M22411-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 26,0 | 49,0 | 14,8 | 41 | 50 | |
| M22411-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 32,0 | 54,0 | 15,8 | 50 | 60 | |

M22491

90° ORFS FEMALE - SAE J516/J1453 (CRIMPED-BACK NUT)
 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453
 (ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

M22493

90° ORFS FEMALE - SAE J516/J1453 (SLIP-ON NUT)
 90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453
 (НАКИДНАЯ ГАЙКА)



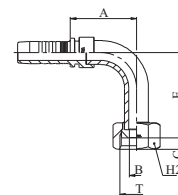
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|--------|------------------|------|-------|------|------|----------------|----|
| | DN | inch | | T | B | A | C | E | H ₂ | |
| M22493-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 27,5 | 8,2 | 24,0 | | 17 |
| M22493-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 7,0 | 27,5 | 9,5 | 22,0 | | 22 |
| M22493-05-06 | 8 | 5/16" | - 05 | 11/16" - 16 | 7,0 | 32 | 9,5 | 23,0 | | 22 |
| M22493-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 7,0 | 30,0 | 9,5 | 24,0 | | 22 |
| M22493-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 9,3 | 30,0 | 11,0 | 26,5 | | 24 |
| M22491-08-06 | 12 | 1/2" | - 08 | 11/16" - 16 | 7,0 | 30,9 | 9,5 | 24,5 | | 22 |
| M22493-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 9,3 | 40,5 | 11,0 | 30,0 | | 24 |
| M22493-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 11,5 | 40,5 | 13,5 | 30,0 | | 30 |
| M22493-08-12 | 12 | 1/2" | - 08 | 1.3/16" - 12 | 13,9 | 39,5 | 14,5 | 37,5 | | 36 |
| M22493-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 11,5 | 48,0 | 13,5 | 37,5 | | 30 |
| M22493-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 13,9 | 48,0 | 14,5 | 41,0 | | 36 |
| M22491-12-10 | 19 | 3/4" | - 12 | 1" - 14 | 11,5 | 49,0 | 13,5 | 38,0 | | 30 |
| M22493-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 13,9 | 56,5 | 14,5 | 48,0 | | 36 |
| M22493-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,8 | 56,5 | 14,8 | 47,5 | | 41 |
| M22491-16-12 | 25 | 1" | - 16 | 1.3/16" - 12 | 13,9 | 57,6 | 14,5 | 48,0 | | 36 |
| M22493-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,8 | 71,5 | 14,8 | 56,0 | | 41 |
| M22493-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 26,0 | 71,5 | 14,8 | 58,5 | | 50 |
| M22493-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 26,0 | 83,0 | 14,8 | 66,0 | | 50 |
| M22493-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 32,0 | 102,0 | 14,8 | 79,5 | | 60 |

SAE STANDARD CONNECTIONS

M24493*

90° ORFS FEMALE LONG DROP - SAE J516/J1453 (SLIP-ON NUT)

90° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453 (LONG DROP)
(НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|------|------|--------------|------|------|------|-------|--|----------------|
| M24493-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,4 | 24,5 | 8,2 | 45,5 | | 17 |
| M24493-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 7,0 | 31,5 | 9,5 | 53,5 | | 22 |
| M24493-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 6,7 | 32,0 | 11,0 | 53,5 | | 24 |
| M24493-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 10,0 | 37,0 | 11,0 | 63,5 | | 24 |
| M24493-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 9,6 | 37,0 | 13,5 | 64,0 | | 30 |
| M24493-10-10 | 16 | 1/2" | - 10 | 1" - 14 | 9,6 | 41,0 | 13,5 | 69,0 | | 30 |
| M24493-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 12,7 | 41,0 | 14,5 | 73,0 | | 36 |
| M24493-12-12 | 19 | 5/8" | - 12 | 1.3/16" - 12 | 15,5 | 45,5 | 14,5 | 96,0 | | 36 |
| M24493-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 20,6 | 58,5 | 14,8 | 113,5 | | 41 |

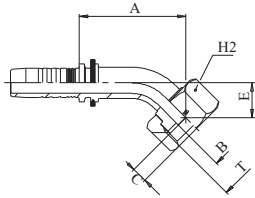
* Brazed solution - Паяные компоненты

SAE STANDARD CONNECTIONS



M22441

45° ORFS FEMALE - SAE J516/J1453 (CRIMPED-BACK NUT)
 45° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453
 (ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)



M22443

45° ORFS FEMALE - SAE J516/J1453 (SLIP-ON NUT)
 45° ORFS СОЕДИНЕНИЕ В ВНУТРЕННЕЙ РЕЗЬБОЙ SAE J516/J1453
 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

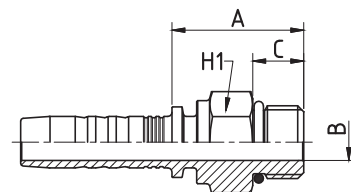
| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|--------|------|---------------|------|------|------|------|--|----------------|
| M22443-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 31,0 | 8,2 | 10,5 | | 17 |
| M22443-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 7,0 | 31,0 | 9,5 | 10,5 | | 22 |
| M22443-05-06 | 8 | 5/16" | - 05 | 11/16" - 16 | 7,0 | 34,0 | 9,5 | 10,5 | | 22 |
| M22443-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 7,0 | 32,5 | 9,5 | 11,0 | | 22 |
| M22443-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 9,3 | 34,0 | 11,0 | 12,5 | | 24 |
| M22441-08-06 | 12 | 1/2" | - 08 | 11/16" - 16 | 7,0 | 33,0 | 9,5 | 11,0 | | 22 |
| M22443-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 9,3 | 42,0 | 11,0 | 13,0 | | 24 |
| M22443-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 11,5 | 42,0 | 13,5 | 13,5 | | 30 |
| M22443-08-12 | 12 | 1/2" | - 08 | 1.3/16" - 12 | 13,9 | 46,5 | 14,5 | 18,5 | | 36 |
| M22443-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 11,5 | 49,0 | 13,5 | 16,0 | | 30 |
| M22443-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 13,9 | 51,5 | 14,5 | 18,5 | | 36 |
| M22441-12-10 | 19 | 3/4" | - 12 | 1" - 14 | 11,5 | 50,5 | 13,5 | 16,5 | | 30 |
| M22443-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 13,9 | 60,5 | 14,5 | 21,5 | | 36 |
| M22443-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,8 | 61,0 | 14,8 | 21,0 | | 41 |
| M22443-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,8 | 72,0 | 14,8 | 23,5 | | 41 |
| M22443-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 26,0 | 74,0 | 14,8 | 25,2 | | 50 |
| M22443-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 26,0 | 82,0 | 14,8 | 27,0 | | 50 |
| M22443-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 32,0 | 98,0 | 14,8 | 31,5 | | 60 |

SAE STANDARD CONNECTIONS

M13010

SAE MALE O-RING BOSS TYPE - SAE J516/J514

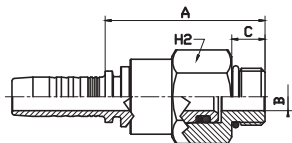
SAE ВНЕШНЯЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ТИПА BOSS - SAE J516/J514



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | H ₁ | H ₂ |
|--------------|----|------|------|--------------|------|------|------|----------------|----------------|
| M13010-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 24,0 | 9,1 | 14 | |
| M13010-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 7,1 | 24,5 | 9,9 | 17 | |
| M13010-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 25,6 | 9,9 | 17 | |
| M13010-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 9,3 | 28,6 | 11,1 | 22 | |
| M13010-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 28,9 | 11,1 | 22 | |
| M13010-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 12,5 | 31,9 | 12,7 | 25 | |
| M13010-10-12 | 16 | 5/8" | - 10 | 1.1/16" - 12 | 15,0 | 37,7 | 15,1 | 32 | |
| M13010-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 39,5 | 15,1 | 32 | |
| M13010-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 19,8 | 40,0 | 15,1 | 38 | |
| M13010-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 41,0 | 15,1 | 38 | |

M14310*



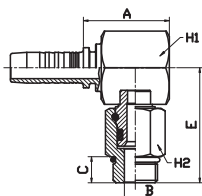
SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516/J514
 SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ
 КОЛЬЦОМ ТИПА BOSS - SAE J516/J514

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | | H ₂ |
|-------------------------|----|------|------|--------------|------|------|------|--|--|----------------|
| M14310-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 41,0 | 9,1 | | | 17 |
| NEW M14310-04-06 | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 44,0 | 9,9 | | | 22 |
| M14310-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 45,9 | 9,9 | | | 22 |
| M14310-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 47,8 | 11,1 | | | 22 |
| M14310-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 50,9 | 11,1 | | | 27 |
| M14310-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 42,2 | 13,0 | | | 27 |
| M14310-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 12,5 | 49,4 | 15,0 | | | 32 |
| M14310-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 9,3 | 41,4 | 13,0 | | | 27 |
| M14310-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 12,5 | 47,8 | 15,0 | | | 32 |

* Not to be used as a live swivel

Не рекомендуется использовать в качестве вращающегося фитинга



M14390*

90° SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516/J514
 90° SAE ВНЕШНЯЯ ПОВОРОТНАЯ РЕЗЬБА С УПЛОТНИТЕЛЬНЫМ
 КОЛЬЦОМ ТИПА BOSS - SAE J516/J514

| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | H ₁ | H ₂ |
|--------------|----|------|------|--------------|------|------|------|------|----------------|----------------|
| M14390-06-06 | 10 | 3/8" | - 06 | 9/16" - 18 | 5,7 | 20,1 | 9,9 | 40,0 | 22 | 17 |
| M14390-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 7,0 | 20,1 | 11,1 | 44,4 | 22 | 22 |
| M14390-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 22,1 | 11,1 | 49,0 | 27 | 22 |
| M14390-08-10 | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 27,5 | 13,0 | 47,5 | 27 | 27 |
| M14390-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 9,3 | 28,0 | 13,0 | 47,5 | 27 | 27 |
| M14390-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 12,5 | 27,5 | 15,0 | 55,5 | 32 | 32 |

* Brazed solution - Not to be used as a live swivel

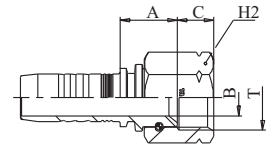
Паяные компоненты - Не рекомендуется использовать в качестве вращающегося фитинга

SAE STANDARD CONNECTIONS

M22612

SAE FEMALE 45° CONE SEAT - SAE J516/J512 (THRUST-WIRE NUT)

SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ
SAE J516/J512 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



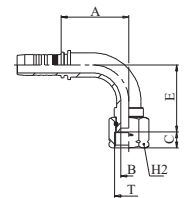
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | | H ₂ |
|-------------------------|----|------|------|--------------|------|------|------|--|--|----------------|
| NEW M22612-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 15,5 | 8,2 | | | 17 |
| M22612-06-06 | 10 | 3/8" | - 06 | 5/8" - 18 | 7,0 | 16,6 | 10,8 | | | 22 |
| M22612-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 14 | 15,0 | 22,7 | 14,4 | | | 32 |

M22692

90° SAE FEMALE SWEEP ELBOW 45° CONE SEAT - SAE J516/J512 (THRUST-WIRE NUT)

90° SAE ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 45° И КОНУСНЫМ УПЛОТНЕНИЕМ
SAE J516/J512 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



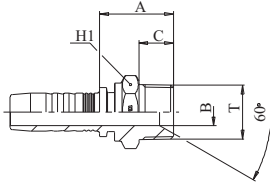
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|------|------|-------------|------|------|------|------|--|----------------|
| M22692-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 28,3 | 8,0 | 27,0 | | 17 |
| M22692-06-06 | 10 | 3/8" | - 06 | 5/8" - 18 | 7,0 | 35,5 | 10,8 | 33,0 | | 22 |
| M22692-12-12 | 19 | 3/4" | - 12 | 1.1/6" - 14 | 15,0 | 62,0 | 14,4 | 58,0 | | 32 |

M12810

NPTF MALE 30° CONE SEAT - SAE J516

**НПТФ НАРУЖНАЯ РЕЗЬБА С УГЛОМ 30° И КОНУСНЫМ
УПЛОТНЕНИЕМ ПО - SAE J516**



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | H _i |
|------------|-----------|--|--------|------------------|--|--|--|----------------|
|------------|-----------|--|--------|------------------|--|--|--|----------------|

| | DN | inch | Size | T | B | A | C | | H _i |
|--------------|----|--------|------|---------------|------|------|------|--|----------------|
| M12810-03-02 | 5 | 3/16" | - 03 | 1/8" - 27 | 4,0 | 23,6 | 10,0 | | 12 |
| M12810-03-04 | 5 | 3/16" | - 03 | 1/4" - 18 | 5,5 | 29,1 | 14,5 | | 14 |
| M12810-04-02 | 6 | 1/4" | - 04 | 1/8" - 27 | 4,0 | 24,1 | 10,0 | | 12 |
| M12810-04-04 | 6 | 1/4" | - 04 | 1/4" - 18 | 5,5 | 29,0 | 14,5 | | 14 |
| M12810-04-06 | 6 | 1/4" | - 04 | 3/8" - 18 | 9,3 | 31,5 | 14,5 | | 19 |
| M12810-04-08 | 6 | 1/4" | - 04 | 1/2" - 14 | 9,3 | 33,5 | 19,2 | | 24 |
| M12810-05-04 | 8 | 5/16" | - 05 | 1/4" - 18 | 5,5 | 30,0 | 14,5 | | 14 |
| M12810-05-06 | 8 | 5/16" | - 05 | 3/8" - 18 | 9,3 | 32,0 | 14,5 | | 19 |
| M12810-06-04 | 10 | 3/8" | - 06 | 1/4" - 18 | 5,5 | 30,1 | 14,5 | | 14 |
| M12810-06-06 | 10 | 3/8" | - 06 | 3/8" - 18 | 9,3 | 28,6 | 14,5 | | 19 |
| M12810-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 12,5 | 34,6 | 19,2 | | 24 |
| M12810-08-06 | 12 | 1/2" | - 08 | 3/8" - 18 | 9,3 | 28,9 | 14,5 | | 19 |
| M12810-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 12,5 | 34,9 | 19,2 | | 24 |
| M12810-08-12 | 12 | 1/2" | - 08 | 3/4" - 14 | 16,0 | 35,4 | 19,2 | | 27 |
| M12810-10-08 | 16 | 5/8" | - 10 | 1/2" - 14 | 12,5 | 38,7 | 19,2 | | 24 |
| M12810-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 16,0 | 40,2 | 19,2 | | 27 |
| M12810-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 36,5 | 19,2 | | 27 |
| M12810-12-08 | 19 | 3/4" | - 12 | 1/2" - 14 | 12,5 | 36,5 | 13,6 | | 27 |
| M12810-12-16 | 19 | 3/4" | - 12 | 1" - 11,5 | 19,8 | 46,0 | 24,2 | | 36 |
| M12810-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,5 | 38,8 | 19,2 | | 32 |
| M12810-16-16 | 25 | 1" | - 16 | 1" - 11,5 | 19,8 | 43,8 | 24,2 | | 36 |
| M12810-16-20 | 25 | 1" | - 16 | 1.1/4" - 11,5 | 26,0 | 56,3 | 25,0 | | 46 |
| M12810-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11,5 | 26,0 | 56,5 | 25,0 | | 46 |
| M12810-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11,5 | 32,0 | 57,6 | 26,0 | | 50 |
| M12810-32-32 | 51 | 2" | - 32 | 2" - 11,5 | 45,0 | 64,3 | 26,5 | | 65 |

SAE STANDARD CONNECTIONS

M14110*

NPTF SWIVEL MALE 30° CONE SEAT - SAE J516

NPTF НАРУЖНАЯ ПОВОРОТНАЯ РЕЗЬБА С УГОЛОМ 30° И КОНУСНЫМ УПЛОТНЕНИЕМ ПО - SAE J516



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₂ |
| M14110-04-02 | 6 | 1/4" | - 04 | 1/8" - 27 | 3,0 | 41,9 | 10,0 | | 17 |
| M14110-04-04 | 6 | 1/4" | - 04 | 1/4" - 18 | 4,0 | 46,4 | 14,5 | | 17 |
| M14110-04-06 | 6 | 1/4" | - 04 | 3/8" - 18 | 7,0 | 46,4 | 14,5 | | 19 |
| M14110-06-04 | 10 | 3/8" | - 06 | 1/4" - 18 | 4,0 | 50,5 | 14,5 | | 22 |
| M14110-06-06 | 10 | 3/8" | - 06 | 3/8" - 18 | 7,0 | 50,5 | 14,5 | | 22 |
| M14110-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 55,2 | 19,2 | | 24 |
| M14110-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 59,0 | 19,2 | | 27 |
| M14110-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 57,9 | 19,2 | | 32 |
| M14110-16-16 | 25 | 1" | - 16 | 1" - 11,5 | 19,8 | 65,8 | 24,2 | | 38 |

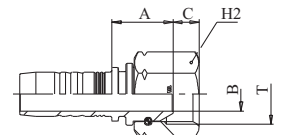
* Not to be used as a live swivel

Не рекомендуется использовать в качестве вращающегося фитинга

M22812

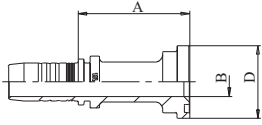
NPSM FEMALE 30° CONE (THRUST-WIRE NUT)

NPSM ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ УГЛОМ 30° (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₂ |
| M22812-04-04 | 6 | 1/4" | - 04 | 1/4" - 18 | 4,0 | 17,5 | 4,2 | | 19 |
| M22812-06-06 | 10 | 3/8" | - 06 | 3/8" - 18 | 7,0 | 20,9 | 6,0 | | 22 |
| M22812-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 22,8 | 6,5 | | 27 |
| M22812-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 24,5 | 9,0 | | 32 |
| M22812-16-16 | 25 | 1" | - 16 | 1" - 11,5 | 19,8 | 27,3 | 10,5 | | 38 |

M23311



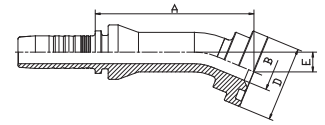
STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518
 ПРЯМОЙ ФЛАНЕЦ ПО SAE 3000 psi КОД 61 - SAE J516/J518

| PART. REF. | HOSE BORE | | FLANGE | DIMENSIONS mm | | |
|------------|-----------|--|--------|------------------|--|--|
|------------|-----------|--|--------|------------------|--|--|

| | DN | inch | Size | | B | A | D | | | |
|--------------|----|--------|------|--------|------|------|-------|--|--|--|
| M23311-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 50,9 | 30,3 | | | |
| M23311-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 57,7 | 38,0 | | | |
| M23311-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 65,7 | 38,0 | | | |
| M23311-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 58,0 | 38,0 | | | |
| M23311-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 58,0 | 44,6 | | | |
| M23311-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 64,3 | 44,6 | | | |
| M23311-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 70,3 | 51,0 | | | |
| M23311-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 70,5 | 51,0 | | | |
| M23311-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 72,5 | 60,5 | | | |
| M23311-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 75,6 | 60,5 | | | |
| M23311-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 75,6 | 71,6 | | | |
| M23311-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 78,9 | 71,6 | | | |
| M23311-32-40 | 51 | 2" | - 32 | 2.1/2" | 56,0 | 80,9 | 84,3 | | | |
| M23311-38-40 | 60 | 2.3/8" | - 38 | 2.1/2" | 56,0 | 84,0 | 84,3 | | | |
| M23311-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" | 56,0 | 84,0 | 84,3 | | | |
| M23311-48-48 | 76 | 3" | - 48 | 3" | 69,0 | 86,0 | 101,6 | | | |

SAE STANDARD CONNECTIONS

M23321

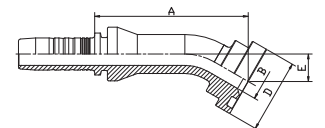


22.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518

ФЛАНЕЦ 22.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M23321-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 63,9 | 30,3 | 8,0 |
| M23321-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 74,7 | 38,0 | 9,8 |
| M23321-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 74,7 | 44,6 | 9,8 |
| M23321-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 88,8 | 44,6 | 11,5 |
| M23321-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 100,0 | 51,0 | 12,0 |
| M23321-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 101,8 | 60,5 | 12,8 |

M23331



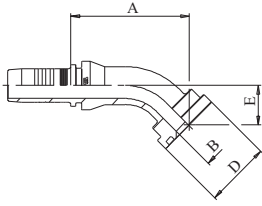
30° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518

ФЛАНЕЦ 30° ПО SAE 3000 psi КОД 61 - SAE J516/J518

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M23331-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 62,6 | 30,3 | 11,2 |
| M23331-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 73,2 | 38,0 | 13,9 |
| M23331-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 73,2 | 44,6 | 13,9 |
| M23331-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 86,8 | 44,6 | 16,4 |
| M23331-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,0 | 51,0 | 17,4 |
| M23331-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 114,3 | 60,5 | 20,0 |

M23341

45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518
 ФЛАНЕЦ 45° ПО SAE 3000 psi КОД 61 - SAE J516/J518



| PART. REF. | HOSE BORE | | FLANGE | DIMENSIONS mm | | | |
|------------|-----------|--|--------|---------------|--|--|--|
|------------|-----------|--|--------|---------------|--|--|--|

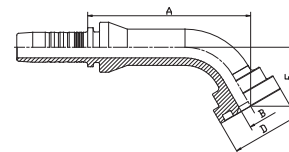
| | DN | inch | Size | | B | A | D | E | | |
|--------------|----|--------|------|--------|------|-------|------|------|--|--|
| M23341-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 58,5 | 30,3 | 18,5 | | |
| M23341-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 59,5 | 38,0 | 19,0 | | |
| M23341-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 61,0 | 38,0 | 22,0 | | |
| M23341-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 68,5 | 38,0 | 23,0 | | |
| M23341-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 68,5 | 44,6 | 23,0 | | |
| M23341-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 81,5 | 44,6 | 27,5 | | |
| M23341-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 81,5 | 51,0 | 27,5 | | |
| M23341-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 92,0 | 51,0 | 29,5 | | |
| M23341-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 93,5 | 60,5 | 31,0 | | |
| M23341-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 107,5 | 60,5 | 34,5 | | |
| M23341-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 107,5 | 71,6 | 34,5 | | |
| M23341-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 124,0 | 71,6 | 39,0 | | |

SAE STANDARD CONNECTIONS

M23361

60° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518

ФЛАНЕЦ 60° ПО SAE 3000 psi КОД 61 - SAE J516/J518

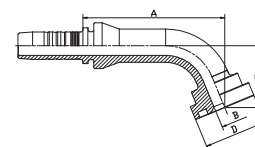


| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--|--|
| | DN | inch | Size | | B | A | D | E | | |
| M23361-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 71,5 | 30,3 | 25,8 | | |
| M23361-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 86,9 | 38,0 | 33,0 | | |
| M23361-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 104,0 | 44,6 | 39,0 | | |
| M23361-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 104,0 | 44,6 | 39,0 | | |
| M23361-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 120,0 | 51,0 | 43,0 | | |
| M23361-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 121,0 | 60,5 | 44,7 | | |
| M23361-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 143,6 | 60,5 | 50,7 | | |

M23371

67.5° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518

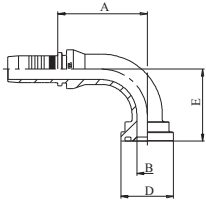
ФЛАНЕЦ 67.5° ПО SAE 3000 psi КОД 61 - SAE J516/J518



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--|--|
| | DN | inch | Size | | B | A | D | E | | |
| M23371-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 67,9 | 30,3 | 29,6 | | |
| M23371-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 82,2 | 38,0 | 38,0 | | |
| M23371-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 82,2 | 44,6 | 38,0 | | |
| M23371-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 98,6 | 44,6 | 45,0 | | |
| M23371-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 114,0 | 51,0 | 50,0 | | |
| M23371-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 136,4 | 60,5 | 59,2 | | |

M23391

90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518
 ФЛАНЕЦ 90° ПО SAE 3000 psi КОД 61 - SAE J516/J518



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|---------------|-----------|--------|------|--------|---------------|-------|-------|-------|
| | DN | inch | Size | | B | A | D | E |
| M23391-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 54,5 | 30,3 | 40,0 |
| M23391-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 54,5 | 38,0 | 41,0 |
| M23391-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 56,0 | 38,0 | 47,5 |
| M23391-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 64,5 | 38,0 | 52,0 |
| M23391-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 64,5 | 44,6 | 52,0 |
| M23391-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 77,5 | 44,6 | 62,0 |
| M23391-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 77,5 | 51,0 | 62,0 |
| M23391-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 90,5 | 51,0 | 70,0 |
| M23391-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 90,5 | 60,5 | 72,0 |
| M23391-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 108,0 | 60,5 | 84,0 |
| M23391-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 108,0 | 71,6 | 84,0 |
| M23391-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 129,0 | 71,6 | 99,0 |
| M23391-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 88,5 | 84,3 | 88,0 |
| M23391-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 124,0 | 101,6 | 115,0 |

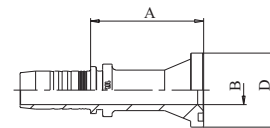
All items are made from solid with the exception of (*) / За исключением (*), все фитинги изготовлены из цельного материала (без пайки)

SAE STANDARD CONNECTIONS

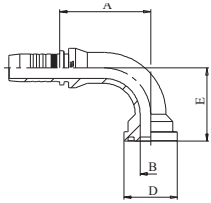
M23611

STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

ПРЯМОЙ ФЛАНЕЦ ПО SAE 6000 psi КОД 62 - SAE J516/J518



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M23611-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 52,1 | 31,8 | | | |
| M23611-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 68,4 | 41,5 | | | |
| M23611-10-08 | 16 | 5/8" | - 10 | 1/2" | 9,3 | 52,0 | 31,8 | | | |
| M23611-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 70,2 | 41,5 | | | |
| M23611-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 69,0 | 41,5 | | | |
| M23611-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 81,0 | 47,7 | | | |
| M23611-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 82,3 | 47,7 | | | |
| M23611-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 89,8 | 54,2 | | | |
| M23611-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 84,5 | 54,2 | | | |
| M23611-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 90,5 | 63,7 | | | |
| M23611-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 92,6 | 63,7 | | | |
| M23611-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 107,9 | 79,6 | | | |



M23691

90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

ФЛАНЕЦ 90° ПО SAE 6000 psi КОД 62 - SAE J516/J518

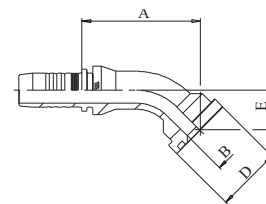
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|
| | DN | inch | Size | | B | A | D | E |
| M23691-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 54,5 | 31,8 | 45,0 |
| M23691-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 54,5 | 41,5 | 53,0 |
| M23691-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 56,0 | 41,5 | 58,0 |
| M23691-10-16 | 16 | 5/8" | - 10 | 1" | 19,8 | 55,7 | 47,7 | 65,0 |
| M23691-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 64,0 | 41,5 | 59,0 |
| M23691-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 64,5 | 47,7 | 65,0 |
| M23691-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 73,5 | 47,7 | 68,0 |
| M23691-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 73,5 | 54,2 | 75,0 |
| M23691-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 85,5 | 54,2 | 81,0 |
| M23691-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 85,5 | 63,7 | 91,5 |
| M23691-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 106,0 | 63,7 | 94,5 |
| M23691-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 138,0 | 79,6 | 132,0 |

SAE STANDARD CONNECTIONS

M23641

45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

ФЛАНЕЦ 45° ПО SAE 6000 psi КОД 62 - SAE J516/J518

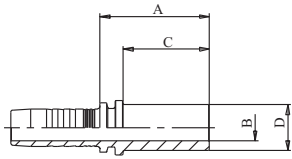


| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|-------------------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M23641-08-08 | 12 | 1/2" | - 08 | 1/2" | 9,3 | 62,0 | 31,8 | 22,0 |
| M23641-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 68,0 | 41,5 | 27,5 |
| M23641-10-12 | 16 | 5/8" | - 10 | 3/4" | 15,0 | 67,5 | 41,5 | 31,0 |
| M23641-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 73,0 | 41,5 | 28,0 |
| M23641-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 77,0 | 47,7 | 32,5 |
| NEW M23641-16-12 | 25 | 1" | - 16 | 3/4" | 15,0 | 80,0 | 41,5 | 30,0 |
| M23641-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 83,5 | 47,7 | 32,5 |
| M23641-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 88,5 | 54,2 | 37,5 |
| M23641-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 95,5 | 54,2 | 37,5 |
| M23641-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 102,5 | 63,7 | 45,0 |
| M23641-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 118,0 | 63,7 | 44,0 |
| M23641-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 151,5 | 79,6 | 60,5 |

M22010

METRIC STANDPIPE STRAIGHT L.T. - DIN 2353

МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА L.T. - DIN 2353



| PART. REF. | HOSE BORE | PIPE | DIMENSIONS mm | | |
|------------|-----------|------|---------------|--|--|
|------------|-----------|------|---------------|--|--|

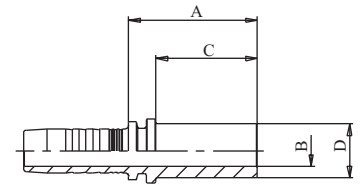
| | DN | inch | Size | D | B | A | C | | | |
|-------------------------|----|--------|------|----|------|------|------|--|--|--|
| NEW M22010-03-04 | 5 | 3/16" | - 03 | 4 | 2,0 | 29,6 | 22,0 | | | |
| M22010-03-06 | 5 | 3/16" | - 03 | 6 | 3,0 | 28,6 | 22,0 | | | |
| M22010-04-06 | 6 | 1/4" | - 04 | 6 | 3,0 | 29,5 | 22,0 | | | |
| M22010-05-10 | 8 | 5/16" | - 05 | 10 | 7,0 | 30,5 | 23,0 | | | |
| M22010-06-10 | 10 | 3/8" | - 06 | 10 | 7,0 | 30,6 | 23,0 | | | |
| M22010-06-12 | 10 | 3/8" | - 06 | 12 | 8,0 | 30,6 | 23,0 | | | |
| M22010-06-15 | 10 | 3/8" | - 06 | 15 | 10,5 | 32,6 | 25,0 | | | |
| M22010-08-12 | 12 | 1/2" | - 08 | 12 | 8,0 | 30,9 | 23,0 | | | |
| M22010-08-15 | 12 | 1/2" | - 08 | 15 | 10,5 | 32,9 | 25,0 | | | |
| M22010-08-18 | 12 | 1/2" | - 08 | 18 | 12,5 | 33,9 | 26,0 | | | |
| M22010-10-18 | 16 | 5/8" | - 10 | 18 | 12,5 | 34,2 | 26,0 | | | |
| M22010-10-22 | 16 | 5/8" | - 10 | 22 | 15,0 | 36,2 | 28,0 | | | |
| M22010-12-18 | 19 | 3/4" | - 12 | 18 | 15,0 | 36,2 | 26,0 | | | |
| M22010-12-22 | 19 | 3/4" | - 12 | 22 | 15,0 | 38,0 | 28,0 | | | |
| M22010-16-28 | 25 | 1" | - 16 | 28 | 20,5 | 41,3 | 30,0 | | | |
| M22010-20-35 | 31 | 1.1/4" | - 20 | 35 | 26,0 | 48,5 | 36,0 | | | |
| M22010-24-42 | 38 | 1.1/2" | - 24 | 42 | 32,0 | 52,6 | 40,0 | | | |

DIN STANDARD CONNECTIONS

M22110

METRIC STANDPIPE STRAIGHT H.T. - DIN 2353

МЕТРИЧЕСКАЯ ПРЯМАЯ ТРУБА Н.Т. - DIN 2353

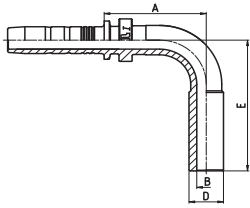


| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|------|---------------|------|------|--|--|--|
| | DN | inch | Size | | D | B | A | | | |
| M22110-03-08 | 5 | 3/16" | - 03 | 8 | 3,0 | 30,6 | 24,0 | | | |
| M22110-04-08 | 6 | 1/4" | - 04 | 8 | 4,0 | 31,5 | 24,0 | | | |
| M22110-04-10 | 6 | 1/4" | - 04 | 10 | 4,0 | 33,5 | 26,0 | | | |
| M22110-04-12 | 6 | 1/4" | - 04 | 12 | 7,0 | 33,5 | 26,0 | | | |
| M22110-05-12 | 8 | 5/16" | - 05 | 12 | 7,0 | 33,5 | 26,0 | | | |
| M22110-06-14 | 10 | 3/8" | - 06 | 14 | 8,0 | 36,6 | 29,0 | | | |
| M22110-08-14 | 12 | 1/2" | - 08 | 14 | 9,3 | 36,9 | 29,0 | | | |
| M22110-08-16 | 12 | 1/2" | - 08 | 16 | 10,5 | 37,9 | 30,0 | | | |
| M22110-10-20 | 16 | 5/8" | - 10 | 20 | 12,5 | 44,2 | 36,0 | | | |
| M22110-12-20 | 19 | 3/4" | - 12 | 20 | 15,0 | 46,0 | 36,0 | | | |
| M22110-12-25 | 19 | 3/4" | - 12 | 25 | 15,0 | 50,0 | 40,0 | | | |
| M22110-16-25 | 25 | 1" | - 16 | 25 | 15,0 | 51,3 | 40,0 | | | |
| M22110-16-30 | 25 | 1" | - 16 | 30 | 20,5 | 55,3 | 44,0 | | | |
| M22110-16-38 | 25 | 1" | - 16 | 38 | 26,0 | 61,3 | 50,0 | | | |
| M22110-20-30 | 31 | 1.1/4" | - 20 | 30 | 20,5 | 56,5 | 44,0 | | | |
| M22110-20-38 | 31 | 1.1/4" | - 20 | 38 | 26,0 | 62,5 | 50,0 | | | |
| M22110-24-38 | 38 | 1.1/2" | - 24 | 38 | 26,0 | 62,6 | 50,0 | | | |

M22090

90° METRIC STANDPIPE L.T. - DIN 2353

90° МЕТРИЧЕСКАЯ ТРУБА L.T. - DIN 2353



| PART. REF. | HOSE BORE | | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|---------------|---|---|---|--|--|
| | DN | inch | | D | B | A | E | | |

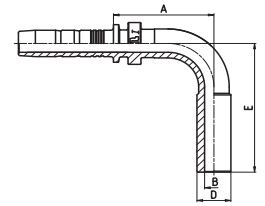
| | DN | inch | Size | D | B | A | E | | |
|--------------|----|--------|------|----|------|------|------|--|--|
| M22090-03-06 | 5 | 3/16" | - 03 | 6 | 3,0 | 22,5 | 34,0 | | |
| M22090-04-06 | 6 | 1/4" | - 04 | 6 | 3,0 | 23,0 | 34,0 | | |
| M22090-05-10 | 8 | 5/16" | - 05 | 10 | 7,0 | 29,5 | 40,0 | | |
| M22090-06-10 | 10 | 3/8" | - 06 | 10 | 7,0 | 34,0 | 42,5 | | |
| M22090-06-12 | 10 | 3/8" | - 06 | 12 | 8,0 | 34,0 | 45,0 | | |
| M22090-08-15 | 12 | 1/2" | - 08 | 15 | 10,5 | 42,0 | 52,0 | | |
| M22090-08-18 | 12 | 1/2" | - 08 | 18 | 12,5 | 42,0 | 55,0 | | |
| M22090-10-18 | 16 | 5/8" | - 10 | 18 | 12,5 | 49,0 | 59,0 | | |
| M22090-12-22 | 19 | 3/4" | - 12 | 22 | 15,0 | 54,5 | 63,0 | | |
| M22090-16-28 | 25 | 1" | - 16 | 28 | 19,8 | 67,5 | 75,0 | | |
| M22090-20-35 | 31 | 1.1/4" | - 20 | 35 | 26,0 | 80,5 | 94,0 | | |

DIN STANDARD CONNECTIONS

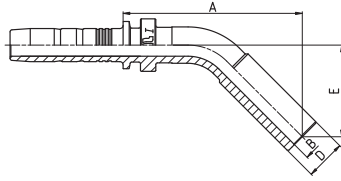
M22190

90° METRIC STANDPIPE H.T. - DIN 2353

90° МЕТРИЧЕСКАЯ ТРУБА Н.Т. - DIN 2353



| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|------|---------------|------|---|------|--|--|
| | DN | inch | Size | | D | B | A | E | | |
| M22190-04-08 | 6 | 1/4" | - 04 | 8 | 4,0 | 27,0 | | 38,0 | | |
| M22190-04-10 | 6 | 1/4" | - 04 | 10 | 6,0 | 27,0 | | 41,0 | | |
| M22190-04-12 | 6 | 1/4" | - 04 | 12 | 7,0 | 27,0 | | 44,0 | | |
| M22190-05-12 | 8 | 5/16" | - 05 | 12 | 7,0 | 30,5 | | 44,0 | | |
| M22190-06-14 | 10 | 3/8" | - 06 | 14 | 9,3 | 35,0 | | 51,0 | | |
| M22190-08-14 | 12 | 1/2" | - 08 | 14 | 9,3 | 42,0 | | 53,5 | | |
| M22190-08-16 | 12 | 1/2" | - 08 | 16 | 10,5 | 43,0 | | 55,0 | | |
| M22190-10-20 | 16 | 5/8" | - 10 | 20 | 12,5 | 49,0 | | 66,5 | | |
| M22190-12-20 | 19 | 3/4" | - 12 | 20 | 15,0 | 54,5 | | 69,0 | | |
| M22190-12-25 | 19 | 3/4" | - 12 | 25 | 15,0 | 57,5 | | 75,0 | | |
| M22190-16-25 | 25 | 1" | - 16 | 25 | 15,0 | 61,5 | | 76,5 | | |
| M22190-16-30 | 25 | 1" | - 16 | 30 | 19,8 | 69,5 | | 87,0 | | |



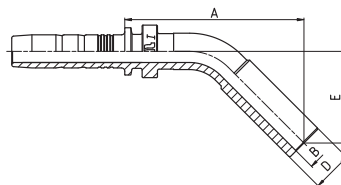
M22040

45° METRIC STANDPIPE L.T. - DIN 2353

45° МЕТРИЧЕСКАЯ ТРУБА L.T. - DIN 2353

| PART. REF. | HOSE BORE | | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|--|------|---------------|--|--|--|--|--|
|------------|-----------|--|------|---------------|--|--|--|--|--|

| | DN | inch | Size | D | B | A | E | | |
|--------------|----|-------|------|----|------|------|------|--|--|
| M22040-04-06 | 6 | 1/4" | - 04 | 6 | 3,0 | 38,0 | 20,5 | | |
| M22040-05-10 | 8 | 5/16" | - 05 | 10 | 7,0 | 44,5 | 22,5 | | |
| M22040-06-10 | 10 | 3/8" | - 06 | 10 | 7,0 | 47,5 | 23,0 | | |
| M22040-06-12 | 10 | 3/8" | - 06 | 12 | 8,0 | 49,5 | 25,0 | | |
| M22040-08-15 | 12 | 1/2" | - 08 | 15 | 10,5 | 58,0 | 28,0 | | |
| M22040-10-18 | 16 | 5/8" | - 10 | 18 | 12,5 | 63,5 | 30,5 | | |
| M22040-12-22 | 19 | 3/4" | - 12 | 22 | 15,0 | 69,0 | 32,0 | | |
| M22040-16-28 | 25 | 1" | - 16 | 28 | 19,8 | 81,5 | 37,0 | | |



M22140

45° METRIC STANDPIPE H.T. - DIN 2353

45° МЕТРИЧЕСКАЯ ТРУБА H.T. - DIN 2353

| PART. REF. | HOSE BORE | | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|--|------|---------------|--|--|--|--|--|
|------------|-----------|--|------|---------------|--|--|--|--|--|

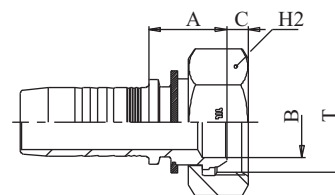
| | DN | inch | Size | D | B | A | E | | |
|--------------|----|------|------|----|------|------|------|--|--|
| M22140-04-08 | 6 | 1/4" | - 04 | 8 | 4,0 | 42,0 | 22,0 | | |
| M22140-04-10 | 6 | 1/4" | - 04 | 10 | 6,0 | 44,0 | 24,0 | | |
| M22140-06-14 | 10 | 3/8" | - 06 | 14 | 9,3 | 54,5 | 29,0 | | |
| M22140-08-16 | 12 | 1/2" | - 08 | 16 | 10,5 | 61,0 | 30,0 | | |
| M22140-10-20 | 16 | 5/8" | - 10 | 20 | 12,5 | 69,0 | 36,0 | | |
| M22140-12-25 | 19 | 3/4" | - 12 | 25 | 15,0 | 80,5 | 40,5 | | |
| M22140-16-25 | 25 | 1" | - 16 | 25 | 15,0 | 82,0 | 41,0 | | |

DIN STANDARD CONNECTIONS

M21013

METRIC FEMALE 60° CONE - DIN 20078/3863

МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С КОНУСОМ 60° - DIN 20078/3863

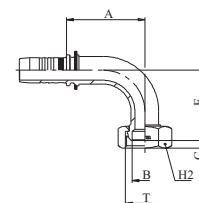


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|----------|---------------|------|-----|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₂ |
| M21013-12-30 | 19 | 3/4" | - 12 | M 30x1,5 | 20,0 | 21,0 | 8,1 | | 36 |
| M21013-16-38 | 25 | 1" | - 16 | M 38x1,5 | 26,0 | 22,8 | 7,6 | | 46 |
| M21013-20-45 | 31 | 1.1/4" | - 20 | M 45x1,5 | 33,0 | 23,5 | 8,1 | | 50 |
| M21013-24-52 | 38 | 1.1/2" | - 24 | M 52x1,5 | 40,0 | 25,0 | 8,1 | | 60 |

M21093

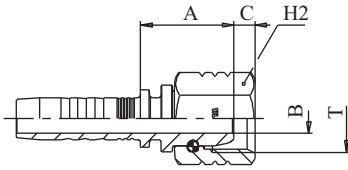
90° METRIC FEMALE SWEEP ELBOW 60° CONE - DIN 20078/3863

90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОТОТННЯ РЕЗЬБА С КОНУСОМ 60°
DIN 20078/3863



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------|---------------|------|-----|------|----|
| | DN | inch | Size | | T | B | A | C | E |
| M21093-12-30 | 19 | 3/4" | - 12 | M 30x1,5 | 20,0 | 61,5 | 8,1 | 54,5 | 36 |
| M21093-16-38 | 25 | 1" | - 16 | M 38x1,5 | 26,0 | 76,5 | 7,6 | 63,0 | 46 |

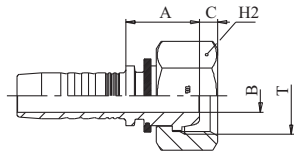
DIN STANDARD CONNECTIONS



M21312

METRIC FEMALE MULTISEAL - DIN 20078/3868 (THRUST-WIRE NUT)

МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО
DIN 20078/3868 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21313

METRIC FEMALE MULTISEAL - DIN 20078/3868 (SLIP-ON NUT)

МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С МУЛЬТИУПЛОТНЕНИЯМИ ПО
DIN 20078/3868 (НАКИДНАЯ ГАЙКА)

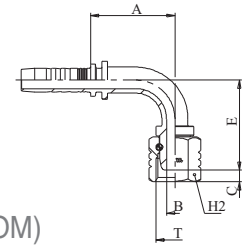
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS | | | | |
|--------------|-----------|-------|------|----------|------|------------|------|-----|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M21313-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 18,6 | 3,7 | | 14 |
| M21313-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 19,5 | 3,8 | | 17 |
| M21313-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 4,0 | 19,5 | 4,0 | | 19 |
| M21313-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 5,5 | 19,5 | 4,0 | | 19 |
| M21313-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 5,5 | 19,6 | 4,0 | | 22 |
| M21312-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 7,0 | 21,6 | 5,0 | | 19 |
| M21313-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 20,1 | 4,0 | | 22 |
| M21313-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 7,0 | 21,1 | 5,2 | | 27 |
| M21313-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 21,5 | 5,2 | | 27 |
| M21313-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 22,1 | 5,5 | | 32 |

DIN STANDARD CONNECTIONS

M21392

90° METRIC FEMALE SWEEP ELBOW MULTISEAL DIN 20078/3868 (THRUST-WIRE NUT)

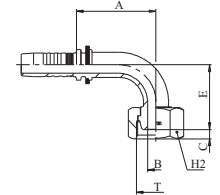
90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА
С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21393

90° METRIC FEMALE SWEEP ELBOW MULTISEAL DIN 20078/3868 (SLIP-ON NUT)

90° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА
С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 (НАКИДНАЯ ГАЙКА)

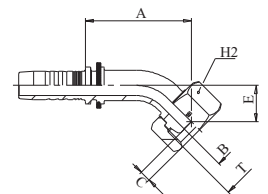


| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|------|---------------|------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M21393-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 29,5 | 3,8 | 29,5 | | 17 |
| M21393-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 4,0 | 29,5 | 4,0 | 29,5 | | 19 |
| M21393-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 5,5 | 32,0 | 4,0 | 29,0 | | 19 |
| M21392-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 7,0 | 35,5 | 5,0 | 38,0 | | 19 |
| M21393-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 36,5 | 4,0 | 31,5 | | 22 |
| M21393-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 7,0 | 36,5 | 5,2 | 32,0 | | 27 |
| M21393-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 45,0 | 5,2 | 36,5 | | 27 |
| M21393-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 51,5 | 5,5 | 50,0 | | 32 |

M21343

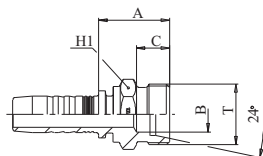
45° METRIC FEMALE SWEEP ELBOW MULTISEAL DIN 20078/3868 (SLIP-ON NUT)

45° МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ ПОВОРОТНАЯ РЕЗЬБА
С МУЛЬТИУПЛОТНЕНИЯМИ ПО - DIN 20078/3868 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|------|---------------|------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M21343-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 36,5 | 3,8 | 15,0 | | 17 |
| M21343-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 4,0 | 36,5 | 4,0 | 15,0 | | 19 |
| M21343-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 5,5 | 39,0 | 4,0 | 15,0 | | 19 |
| M21343-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 42,0 | 4,0 | 15,5 | | 22 |
| M21343-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 7,0 | 42,5 | 5,2 | 15,5 | | 27 |
| M21343-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 49,5 | 5,2 | 17,0 | | 27 |
| M21343-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 60,0 | 5,5 | 24,0 | | 32 |

M11110



METRIC MALE 24° CONE SEAT L.T. - DIN 20066/3861
 ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ
 УПЛОТНЕНИЕМ L.T. ПО - DIN 20066/3861

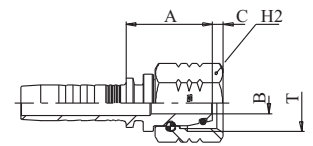
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|-------------------------|-----------|--------|------|----------|------|------------------|------|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M11110-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 4,0 | 21,5 | 10,0 | | 14 |
| M11110-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 21,5 | 10,0 | | 14 |
| M11110-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 7,0 | 23,5 | 11,0 | | 17 |
| NEW M11110-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 12 | 9,0 | 23,5 | 11,0 | | 19 |
| M11110-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 7,0 | 24,0 | 11,0 | | 17 |
| M11110-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 9,0 | 24,0 | 11,0 | | 19 |
| M11110-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 7,0 | 24,1 | 11,0 | | 17 |
| M11110-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 9,0 | 24,6 | 11,0 | | 19 |
| M11110-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 10,0 | 25,6 | 12,0 | | 22 |
| M11110-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 10,0 | 25,6 | 12,0 | | 22 |
| M11110-08-26 | 12 | 1/2" | - 08 | M 26x1,5 | 18 | 12,5 | 26,4 | 12,0 | | 27 |
| M11110-10-22 | 16 | 5/8" | - 10 | M 22x1,5 | 15 | 10,0 | 25,5 | 12,0 | | 22 |
| M11110-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 26,7 | 12,0 | | 27 |
| M11110-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 30,0 | 14,0 | | 30 |
| M11110-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 20,0 | 32,3 | 14,0 | | 36 |
| M11110-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 40,5 | 16,0 | | 46 |
| M11110-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 42,6 | 16,0 | | 55 |

DIN STANDARD CONNECTIONS

M21512

**O-RING METRIC FEMALE 24° CONE L.T.
DIN 20066/3865 (THRUST-WIRE NUT)**

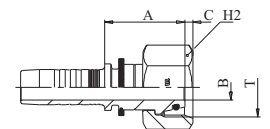
ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



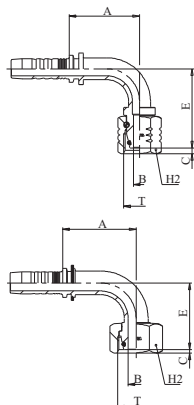
M21513

**O-RING METRIC FEMALE 24° CONE L.T.
DIN 20066/3865 (SLIP-ON NUT)**

ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° L.T. С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|-------------------------|-----------|--------|------|----------|------|------------------|------|-----|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M21513-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 21,9 | 1,7 | | 14 |
| M21512-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 3,0 | 21,1 | 2,2 | | 17 |
| M21513-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 22,1 | 1,7 | | 17 |
| M21513-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 6,0 | 22,6 | 2,1 | | 19 |
| M21513-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 12 | 7,0 | 21,9 | 2,3 | | 22 |
| M21512-05-14 | 8 | 5/16" | - 05 | M 14x1,5 | 8 | 4,0 | 20,0 | 1,7 | | 17 |
| M21513-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 6,0 | 22,6 | 2,1 | | 19 |
| M21513-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 7,0 | 21,9 | 2,3 | | 22 |
| M21512-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 6,0 | 23,1 | 3,0 | | 19 |
| M21513-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 22,4 | 2,3 | | 22 |
| M21513-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 9,3 | 25,0 | 2,3 | | 27 |
| NEW M21512-08-18 | 12 | 1/2" | - 08 | M 18x1,5 | 12 | 7,0 | 29,0 | 2,9 | | 22 |
| M21513-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 25,4 | 2,3 | | 27 |
| M21513-08-26 | 12 | 1/2" | - 08 | M 26x1,5 | 18 | 12,5 | 26,1 | 2,5 | | 32 |
| M21513-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 26,0 | 2,5 | | 32 |
| NEW M21513-10-30 | 16 | 5/8" | - 10 | M 30x2 | 22 | 15,0 | 34,0 | 3,6 | | 36 |
| M21512-12-26 | 19 | 3/4" | - 12 | M 26x1,5 | 18 | 12,5 | 31,1 | 3,6 | | 32 |
| M21513-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 28,2 | 3,6 | | 36 |
| M21513-12-36 | 19 | 3/4" | - 12 | M 36x2 | 28 | 20,0 | 28,3 | 3,8 | | 41 |
| M21513-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 29,4 | 3,8 | | 41 |
| M21513-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 32,9 | 5,1 | | 50 |
| M21513-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 32,8 | 5,1 | | 60 |



M21592

90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T. DIN 20066/3865 (THRUST-WIRE NUT)

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

M21593

90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T. DIN 20066/3865 (SLIP-ON NUT)

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° L.T.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)

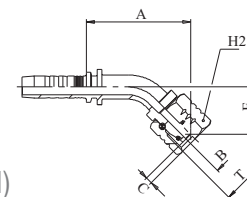
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|-------------------------|-----------|--------|------|----------|------|------------------|-------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M21593-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 26,0 | 1,7 | 30,0 | | 14 |
| M21592-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 3,0 | 28,5 | 2,2 | 32,5 | | 17 |
| M21593-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 29,5 | 1,7 | 31,5 | | 17 |
| M21593-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 6,0 | 29,5 | 2,1 | 32,0 | | 19 |
| M21593-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 12 | 7,0 | 29,5 | 2,3 | 33,0 | | 22 |
| M21593-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 6,0 | 32,0 | 2,1 | 32,5 | | 19 |
| M21593-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 7,0 | 32,0 | 2,3 | 35,0 | | 27 |
| M21592-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 6,0 | 35,5 | 3,0 | 40,0 | | 19 |
| M21593-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 36,5 | 2,3 | 33,5 | | 22 |
| M21593-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 9,3 | 36,5 | 2,3 | 35,0 | | 27 |
| NEW M21592-08-18 | 12 | 1/2" | - 08 | M 18x1,5 | 12 | 7,0 | 44,0 | 2,9 | 48,0 | | 22 |
| M21593-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 45,0 | 2,3 | 39,5 | | 27 |
| NEW M21593-08-26 | 12 | 1/2" | - 08 | M 26x1,5 | 18 | 12,5 | 45,0 | 2,5 | 40,0 | | 32 |
| M21593-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 51,5 | 2,5 | 53,0 | | 32 |
| M21593-10-30 | 16 | 5/8" | - 10 | M 30x2 | 22 | 15,0 | 51,5 | 3,6 | 54,0 | | 36 |
| M21593-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 61,5 | 3,6 | 59,0 | | 36 |
| M21593-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 76,5 | 3,8 | 69,5 | | 41 |
| M21593-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 93,5 | 5,1 | 81,0 | | 50 |
| M21593-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 107,5 | 5,1 | 98,0 | | 60 |

DIN STANDARD CONNECTIONS

M21542

**45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T.
DIN 20066/3865 (THRUST-WIRE NUT)**

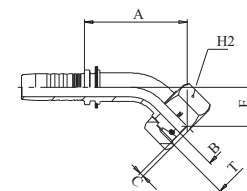
45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° Л.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21543

**45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T.
DIN 20066/3865 (SLIP-ON NUT)**

45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 24° Л.Т. И
УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)

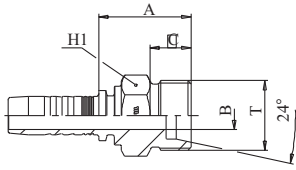


| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|----------|------|---------------|-------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M21543-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 8 | 4,0 | 38,0 | 1,7 | 16,5 | | 17 |
| M21543-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 10 | 6,0 | 38,0 | 2,1 | 17,0 | | 19 |
| M21543-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 6,0 | 41,5 | 2,1 | 17,5 | | 19 |
| M21543-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 7,0 | 41,5 | 2,3 | 17,0 | | 22 |
| M21542-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 6,0 | 47,5 | 3,0 | 21,5 | | 19 |
| M21543-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 12 | 7,0 | 43,5 | 2,3 | 16,5 | | 22 |
| M21543-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 15 | 9,3 | 45,0 | 2,3 | 18,0 | | 27 |
| M21543-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 52,0 | 2,3 | 19,0 | | 27 |
| M21543-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 62,0 | 2,5 | 26,5 | | 32 |
| M21543-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 71,0 | 3,6 | 28,5 | | 36 |
| M21543-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 85,0 | 3,8 | 32,0 | | 41 |
| M21543-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 99,5 | 5,1 | 36,0 | | 50 |
| M21543-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 117,0 | 5,1 | 44,5 | | 60 |

M11210

METRIC MALE 24° CONE SEAT H.T. - DIN 20066/3861

ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И КОНУСНЫМ УПЛОТНЕНИЕМ Н.Т. ПО - DIN 20066/3861



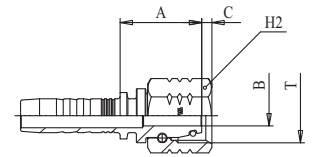
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|-------------------------|-----------|--------|------|----------|------|------------------|------|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M11210-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 8 | 4,0 | 25,5 | 12,0 | | 17 |
| M11210-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 10 | 6,0 | 26,5 | 12,0 | | 19 |
| NEW M11210-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 12 | 7,0 | 29,0 | 12,0 | | 22 |
| M11210-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 7,0 | 29,0 | 12,0 | | 22 |
| M11210-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 10 | 7,0 | 27,1 | 12,0 | | 19 |
| M11210-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 12 | 7,0 | 29,1 | 12,0 | | 22 |
| M11210-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 14 | 8,0 | 31,1 | 14,0 | | 22 |
| M11210-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 31,6 | 14,0 | | 24 |
| M11210-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 15,0 | 35,7 | 16,0 | | 30 |
| M11210-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 15,0 | 37,0 | 16,0 | | 30 |
| M11210-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 19,8 | 41,0 | 18,0 | | 36 |
| M11210-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 19,8 | 42,3 | 18,0 | | 36 |
| M11210-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 25,0 | 44,3 | 20,0 | | 46 |
| M11210-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 30,0 | 50,5 | 22,0 | | 55 |

DIN STANDARD CONNECTIONS

M21612

**O-RING METRIC FEMALE 24° CONE H.T.
DIN 20066/3865 (THRUST-WIRE NUT)**

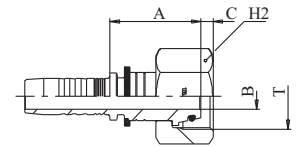
ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21613

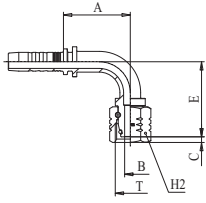
**O-RING METRIC FEMALE 24° CONE H.T.
DIN 20066/3865 (SLIP-ON NUT)**

ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|----------|------|---------------|------|-----|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M21613-03-16 | 5 | 3/16" | - 03 | M 16x1,5 | 8 | 3,2 | 21,9 | 3,4 | | 19 |
| M21613-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 6 | 3,0 | 23,5 | 3,5 | | 17 |
| M21613-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 8 | 4,0 | 22,2 | 3,4 | | 19 |
| M21613-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 10 | 4,0 | 28,0 | 3,0 | | 22 |
| M21613-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 12 | 7,0 | 25,7 | 2,5 | | 24 |
| M21613-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 10 | 5,5 | 28,0 | 3,0 | | 22 |
| M21613-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 5,5 | 24,8 | 2,5 | | 24 |
| M21613-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 12 | 7,0 | 25,3 | 2,5 | | 24 |
| M21613-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 14 | 7,0 | 32,6 | 3,0 | | 27 |
| M21613-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 26,7 | 3,0 | | 30 |
| M21613-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,5 | 30,6 | 3,5 | | 36 |
| M21612-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 33,5 | 2,2 | | 36 |
| M21613-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 15,0 | 34,1 | 4,5 | | 41 |
| M21612-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 15,0 | 35,3 | 1,7 | | 41 |
| M21613-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,8 | 35,4 | 6,3 | | 50 |
| M21613-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 37,5 | 8,0 | | 60 |
| M21613-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 38 | 26,0 | 49,6 | 8,0 | | 60 |

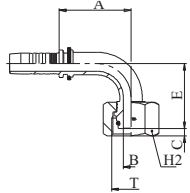
DIN STANDARD CONNECTIONS



M21692

**90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T.
DIN 20066/3865 (THRUST-WIRE NUT)**

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21693

**90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T.
DIN 20066/3865 (SLIP-ON NUT)**

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|--|--|--------|------|------------------|--|--|--|--|--|
|------------|-----------|--|--|--------|------|------------------|--|--|--|--|--|

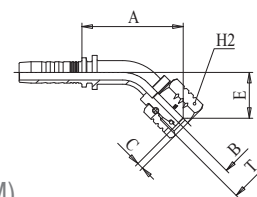
| | DN | inch | Size | T | mm | B | A | C | E | | H ₂ |
|------------|--------------|------|--------|------|----------|----|------|------|-----|------|----------------|
| | M21693-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 8 | 4,0 | 29,5 | 3,4 | 29,5 | 19 |
| | M21693-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 10 | 4,0 | 29,5 | 3,0 | 31,0 | 22 |
| NEW | M21693-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 12 | 5,5 | 29,5 | 2,5 | 34,5 | 24 |
| | M21693-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 5,5 | 32,0 | 2,5 | 34,0 | 24 |
| | M21693-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 12 | 7,0 | 36,5 | 2,5 | 35,0 | 24 |
| | M21693-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 14 | 7,0 | 36,5 | 3,0 | 37,0 | 27 |
| NEW | M21693-06-24 | 10 | 3/8" | - 06 | M 24x1,5 | 16 | 9,3 | 36,5 | 3,0 | 36,0 | 30 |
| | M21693-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 45,0 | 3,0 | 40,5 | 30 |
| | M21693-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,5 | 51,5 | 3,5 | 57,5 | 36 |
| | M21692-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 61,5 | 2,2 | 67,5 | 36 |
| | M21693-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 15,0 | 61,5 | 4,5 | 64,5 | 41 |
| | M21692-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 15,0 | 79,5 | 1,7 | 86,0 | 41 |
| | M21693-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,8 | 79,0 | 6,3 | 74,5 | 50 |
| | M21693-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 93,5 | 8,0 | 85,5 | 60 |

DIN STANDARD CONNECTIONS

M21642

**45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T.
DIN 20066/3865 (THRUST-WIRE NUT)**

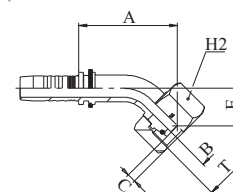
45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M21643

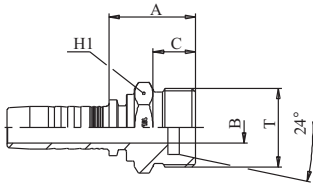
**45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T.
DIN 20066/3865 (SLIP-ON NUT)**

45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|------------|-----------|--|--|--------|------|------------------|--|--|--|--|
|------------|-----------|--|--|--------|------|------------------|--|--|--|--|

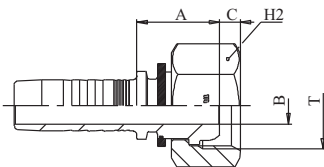
| | DN | inch | Size | T | mm | B | A | C | E | | H ₂ |
|--------------|----|--------|------|----------|----|------|-------|-----|------|--|----------------|
| M21643-04-16 | 6 | 1/4" | - 04 | M 16x1,5 | 8 | 4,0 | 36,0 | 3,4 | 15,0 | | 19 |
| M21643-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 10 | 4,0 | 37,5 | 3,0 | 16,5 | | 22 |
| M21643-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 5,5 | 42,5 | 2,5 | 18,5 | | 24 |
| M21643-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 12 | 7,0 | 45,0 | 2,5 | 18,0 | | 24 |
| M21643-06-22 | 10 | 3/8" | - 06 | M 22x1,5 | 14 | 7,0 | 46,5 | 3,0 | 19,5 | | 27 |
| M21643-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 52,5 | 3,0 | 20,0 | | 30 |
| M21643-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,5 | 65,5 | 3,5 | 29,5 | | 36 |
| M21642-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 76,5 | 2,2 | 34,0 | | 36 |
| M21643-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 15,0 | 75,0 | 4,5 | 32,5 | | 41 |
| M21643-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,8 | 90,0 | 6,3 | 35,5 | | 50 |
| M21643-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 103,0 | 8,0 | 39,5 | | 60 |



M11710

FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE
 ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24°
 И КОНУСНЫМ УПЛОТНЕНИЕМ MILLIMETRIC TYPE

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|----------------|-----------|------|------|----------|------|---------------|------|------|---|----------------|
| | DN | inch | Size | | | T | B | A | C | H ₁ |
| M11710-10-2718 | 16 | 5/8" | - 10 | M 27x1,5 | 18 | 12,5 | 28,7 | 14,0 | | 28 |
| M11710-10-2720 | 16 | 5/8" | - 10 | M 27x1,5 | 20 | 12,5 | 28,7 | 14,0 | | 28 |
| M11710-12-30 | 19 | 3/4" | - 12 | M 30x1,5 | 22 | 15,0 | 30,0 | 14,0 | | 30 |
| M11710-12-33 | 19 | 3/4" | - 12 | M 33x1,5 | 25 | 15,0 | 31,0 | 14,0 | | 34 |



M21713

FRENCH METRIC FEMALE MILLIMETRIC TYPE (SLIP-ON NUT)
 ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА MILLIMETRIC TYPE
 (НАКИДНАЯ ГАЙКА)

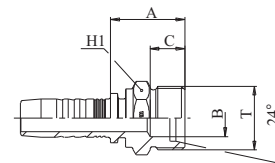
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|----------------|-----------|------|------|----------|------|---------------|------|-----|---|----------------|
| | DN | inch | Size | | | T | B | A | C | H ₂ |
| M21713-10-2718 | 16 | 5/8" | - 10 | M 27x1,5 | 18 | 12,5 | 22,2 | 5,1 | | 32 |
| M21713-10-2720 | 16 | 5/8" | - 10 | M 27x1,5 | 20 | 12,5 | 22,2 | 5,1 | | 32 |
| M21713-12-30 | 19 | 3/4" | - 12 | M 30x1,5 | 22 | 15,0 | 25,5 | 4,1 | | 36 |
| M21713-12-33 | 19 | 3/4" | - 12 | M 33x1,5 | 25 | 15,0 | 25,5 | 4,1 | | 38 |
| M21713-16-36 | 25 | 1" | - 16 | M 36x1,5 | 28 | 19,8 | 27,8 | 4,8 | | 41 |
| M21713-16-39 | 25 | 1" | - 16 | M 39x1,5 | 30 | 19,8 | 28,3 | 4,3 | | 46 |

NF STANDARD CONNECTIONS

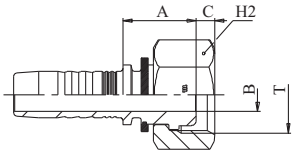
M11810

FRENCH METRIC MALE 24° CONE SEAT GAZ TYPE

ФРАНЦУЗСКАЯ ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24°
И КОНУСНЫМ УПЛОТНЕНИЕМ GAZ TYPE



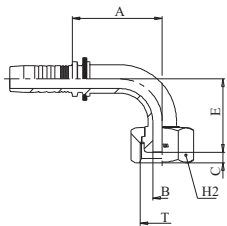
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|-------|---------------|------|------|---|----|----------------|
| | DN | inch | Size | | | T | mm | B | A | C | H ₁ |
| M11810-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 13,25 | 8,0 | 27,0 | 12,0 | | 22 | |
| M11810-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 13,25 | 8,0 | 27,6 | 12,0 | | 22 | |
| M11810-06-24 | 10 | 3/8" | - 06 | M 24x1,5 | 16,75 | 12,0 | 28,1 | 12,0 | | 24 | |
| M11810-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16,75 | 12,0 | 28,4 | 12,0 | | 24 | |
| M11810-10-30 | 16 | 5/8" | - 10 | M 30x1,5 | 21,25 | 15,0 | 31,7 | 14,0 | | 30 | |
| M11810-12-36 | 19 | 3/4" | - 12 | M 36x1,5 | 26,75 | 21,0 | 34,0 | 14,0 | | 36 | |
| M11810-16-45 | 25 | 1" | - 16 | M 45x1,5 | 33,50 | 26,0 | 39,3 | 16,0 | | 46 | |



M21813

FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)
 ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE
 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|--------------|-----------|-------|------|----------|-------|---------------|------|-----|---|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M21813-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 13,25 | 7,0 | 22,1 | 4,3 | | 24 |
| M21813-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 13,25 | 7,0 | 22,1 | 4,3 | | 24 |
| M21813-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 13,25 | 7,0 | 22,6 | 4,3 | | 24 |
| M21813-06-24 | 10 | 3/8" | - 06 | M 24x1,5 | 16,75 | 9,3 | 25,6 | 4,0 | | 30 |
| M21813-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16,75 | 9,3 | 26,5 | 4,0 | | 30 |
| M21813-08-30 | 12 | 1/2" | - 08 | M 30x1,5 | 21,25 | 12,5 | 23,6 | 5,1 | | 36 |
| M21813-10-30 | 16 | 5/8" | - 10 | M 30x1,5 | 21,25 | 12,5 | 23,7 | 5,1 | | 36 |
| M21813-12-36 | 19 | 3/4" | - 12 | M 36x1,5 | 26,75 | 15,0 | 27,0 | 4,8 | | 41 |
| M21813-16-45 | 25 | 1" | - 16 | M 45x1,5 | 33,50 | 19,8 | 26,8 | 4,6 | | 50 |



M21893

90° FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)
 90° ФРАНЦУЗСКАЯ ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА GAZ TYPE
 (НАКИДНАЯ ГАЙКА)

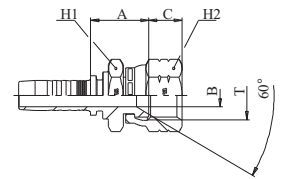
| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | |
|--------------|-----------|-------|------|----------|-------|---------------|------|-----|------|----|
| | DN | inch | Size | | | T | mm | B | A | C |
| M21893-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 13,25 | 7,0 | 32,0 | 4,3 | 29,5 | 24 |
| M21893-06-20 | 10 | 3/8" | - 06 | M 20x1,5 | 13,25 | 7,0 | 36,5 | 4,3 | 33,5 | 24 |
| M21893-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16,75 | 12,0 | 45,0 | 4,0 | 41,0 | 30 |
| M21893-10-30 | 16 | 5/8" | - 10 | M 30x1,5 | 21,25 | 12,5 | 51,5 | 5,1 | 53,5 | 36 |
| M21893-12-36 | 19 | 3/4" | - 12 | M 36x1,5 | 26,75 | 15,0 | 61,5 | 4,8 | 60,0 | 41 |

JIS STANDARD CONNECTIONS

M24011

**JIS METRIC FEMALE 60° CONE SEAT (KOMATSU)
JIS B 8363 (CRIMPED-BACK NUT)**

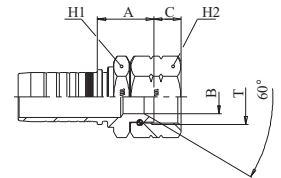
JIS МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ KOMATSU - JIS B 8363 (ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)



M24012

**JIS METRIC FEMALE 60° CONE SEAT (KOMATSU)
JIS B 8363 (THRUST-WIRE NUT)**

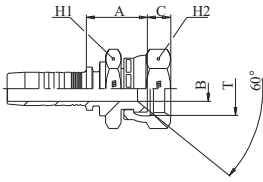
JIS МЕТРИЧЕСКАЯ ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ KOMATSU - JIS B 8363 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|
|------------|-----------|--|--------|------------------|--|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | H ₁ | H ₂ |
|--------------|----|--------|------|----------|------|------|------|--|----------------|----------------|
| M24011-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 4,0 | 23,0 | 10,5 | | 19 | 19 |
| M24011-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 4,0 | 22,6 | 11,5 | | 24 | 24 |
| M24011-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 5,5 | 22,5 | 9,3 | | 21 | 21 |
| M24011-06-14 | 10 | 3/8" | - 06 | M 14x1,5 | 4,0 | 23,6 | 10,5 | | 19 | 19 |
| M24011-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 7,0 | 23,6 | 11,5 | | 24 | 24 |
| M24011-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 9,3 | 24,9 | 14,0 | | 27 | 27 |
| M24011-10-24 | 16 | 5/8" | - 10 | M 24x1,5 | 12,5 | 26,7 | 15,1 | | 32 | 32 |
| M24011-12-30 | 19 | 3/4" | - 12 | M 30x1,5 | 15,0 | 31,5 | 18,3 | | 36 | 36 |
| M24011-16-33 | 25 | 1" | - 16 | M 33x1,5 | 19,8 | 33,3 | 21,3 | | 41 | 41 |
| M24011-20-36 | 31 | 1.1/4" | - 20 | M 36x1,5 | 19,8 | 41,0 | 20,0 | | 46 | 46 |
| M24012-24-42 | 38 | 1.1/2" | - 24 | M 42x1,5 | 26,0 | 44,0 | 18,8 | | 55 | 55 |

JIS STANDARD CONNECTIONS

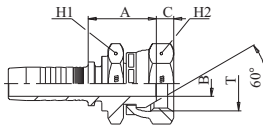


M23811

JIS BSP FEMALE 60° CONE SEAT (TOYOTA) - JIS B 8363 (CRIMPED-BACK NUT)

JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ TOYOTA - JIS B 8363 (ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|------------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M23811-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 18,5 | 8,3 | | 19 | 19 |
| M23811-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 23,1 | 10,0 | | 22 | 22 |
| M23811-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 23,0 | 11,5 | | 27 | 27 |
| M23811-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 26,0 | 13,5 | | 32 | 32 |
| M23811-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 30,3 | 14,5 | | 38 | 38 |



M20711

JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (CRIMPED-BACK NUT)

JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° NISSAN
JIS B 8363 (ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

M20712

JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (THRUST-WIRE NUT)

JIS BSP МЕТРИЧЕСКАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° NISSAN
JIS B 8363 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

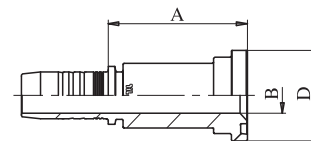
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|------------------|------|-----|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M20711-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 22,5 | 4,5 | | 19 | 19 |
| M20711-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 24,6 | 6,4 | | 22 | 22 |
| M20711-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 26,4 | 6,7 | | 27 | 27 |
| M20712-10-12 | 16 | 5/8" | - 10 | 3/4" - 14 | 15,0 | 30,7 | 9,0 | | 32 | 32 |
| M20711-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 30,0 | 8,9 | | 32 | 32 |

ORIGINAL EQUIPMENT CONNECTIONS

M24111

STRAIGHT KOMATSU FLANGE

ПРЯМОЙ ФЛАНЕЦ KOMATSU

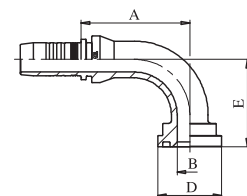


| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------|---------------|------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M24111-10-10 | 16 | 5/8" | - 10 | 5/8" | 14,0 | 65,7 | 34,0 | | | |

M24191

90° KOMATSU FLANGE

90° ФЛАНЕЦ KOMATSU

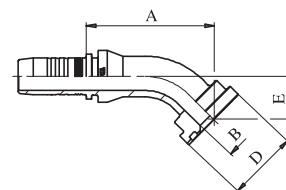


| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------|---------------|------|------|------|--|--|
| | DN | inch | Size | | B | A | C | E | | |
| M24191-10-10 | 16 | 5/8" | - 10 | 5/8" | 14,0 | 56,0 | 34,0 | 47,5 | | |

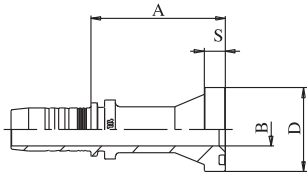
M24141

45° KOMATSU FLANGE

45° ФЛАНЕЦ KOMATSU



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------|---------------|------|------|------|--|--|
| | DN | inch | Size | | B | A | C | E | | |
| M24141-10-10 | 16 | 5/8" | - 10 | 5/8" | 14,0 | 61,0 | 34,0 | 22,0 | | |



M23911

STRAIGHT SUPERCAT FLANGE
ПРЯМОЙ ФЛАНЕЦ SUPERCAT

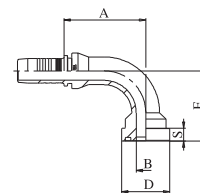
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|------------------|------|------|------|--|--|
| | DN | inch | Size | | B | A | D | S | | |
| M23911-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 74,5 | 41,5 | 14,3 | | |
| M23911-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 86,8 | 47,7 | 14,3 | | |
| M23911-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 92,3 | 54,0 | 14,3 | | |
| M23911-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 86,0 | 54,0 | 14,3 | | |
| M23911-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 94,0 | 63,6 | 14,3 | | |

ORIGINAL STANDARD CONNECTIONS

M23991

90° SUPERCAT FLANGE

90° ФЛАНЕЦ SUPERCAT

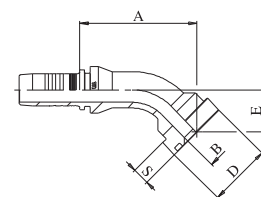


| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M23991-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 64,5 | 41,5 | 64,5 | 14,3 |
| M23991-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 77,5 | 47,7 | 76,5 | 14,3 |
| M23991-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 75,5 | 54,0 | 80,5 | 14,3 |
| M23991-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 85,5 | 54,0 | 87,0 | 14,3 |

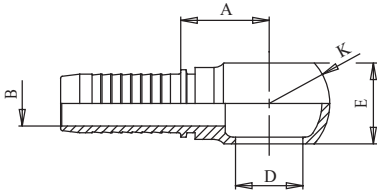
M23941

45° SUPERCAT FLANGE

45° ФЛАНЕЦ SUPERCAT



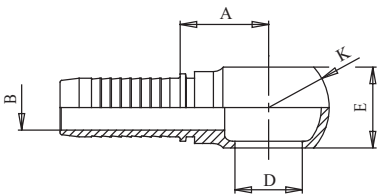
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M23941-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 77,0 | 41,5 | 32,0 | 14,3 |
| M23941-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 89,5 | 47,7 | 36,5 | 14,3 |
| M23941-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 92,5 | 54,0 | 40,5 | 14,3 |
| M23941-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 99,0 | 54,0 | 41,5 | 14,3 |



O20310

BSP BANJO
BSP BANJO

| PART. REF. | HOSE BORE | | | BSP BOLT | DIMENSIONS mm | | | | |
|--------------|-----------|-------|------|-----------|------------------|------|------|------|------|
| | DN | inch | Size | | B | A | D | E | K |
| O20310-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,1 | 22 | 13,3 | 14,0 | 24,0 |
| O20310-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 5,1 | 23 | 16,7 | 18,0 | 28,0 |
| O20310-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,1 | 24,1 | 16,7 | 18,0 | 28,0 |
| O20310-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 7,1 | 27,1 | 21,2 | 22,0 | 35,0 |
| O20310-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,6 | 27,5 | 21,2 | 22,0 | 35,0 |
| O20310-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,1 | 28,2 | 23,0 | 23,5 | 38,0 |
| O20310-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 36,5 | 26,7 | 29,0 | 45,0 |
| O20310-16-16 | 25 | 1" | - 16 | 1" - 11 | 20,0 | 44,5 | 33,4 | 36,0 | 54,0 |



O20910

METRIC BANJO - DIN 7642
МЕТРИЧЕСКОЕ BANJO - DIN 7642

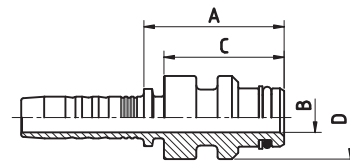
| PART. REF. | HOSE BORE | | | MATIC BOLT | DIMENSIONS mm | | | | |
|--------------|-----------|-------|------|------------|------------------|------|------|------|------|
| | DN | inch | Size | | B | A | D | E | K |
| O20910-04-12 | 6 | 1/4" | - 04 | M12 x 1,5 | 4,1 | 21 | 12,0 | 12,0 | 20,0 |
| O20910-04-14 | 6 | 1/4" | - 04 | M14 x 1,5 | 4,1 | 21,5 | 14,0 | 14,0 | 24,0 |
| O20910-05-14 | 8 | 5/16" | - 05 | M14 x 1,5 | 5,1 | 23,1 | 14,0 | 14,0 | 24,0 |
| O20910-06-14 | 10 | 3/8" | - 06 | M14 x 1,5 | 7,1 | 24,1 | 14,0 | 14,0 | 24,0 |
| O20910-06-16 | 10 | 3/8" | - 06 | M16 x 1,5 | 7,1 | 24,1 | 16,0 | 18,0 | 28,0 |
| O20910-06-18 | 10 | 3/8" | - 06 | M18 x 1,5 | 7,1 | 27,1 | 18,0 | 20,0 | 32,0 |
| O20910-08-18 | 12 | 1/2" | - 08 | M18 x 1,5 | 9,6 | 27,5 | 18,0 | 20,0 | 32,0 |
| O20910-08-22 | 12 | 1/2" | - 08 | M22 x 1,5 | 9,6 | 27,5 | 22,0 | 22,0 | 35,0 |
| O20910-10-22 | 16 | 5/8" | - 10 | M22 x 1,5 | 12,1 | 28,2 | 22,0 | 23,5 | 38,0 |
| O20910-12-26 | 19 | 3/4" | - 12 | M26 x 1,5 | 15,0 | 36,5 | 26,0 | 29,0 | 45,0 |

MINING CONNECTIONS

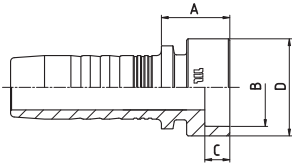
M14810

STAPLE-LOCK MALE - DIN 20043 - SAE J1467

ВНЕШНЯЯ ШТАПЕЛЬНАЯ РЕЗЬБА - DIN 20043 - SAE J1467



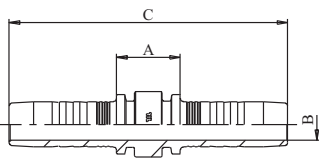
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|------------------|------|------|------|--|--|
| | DN | inch | Size | B | A | C | D | | |
| M14810-04-04 | 6 | 1/4" | - 04 | 4,0 | 33,0 | 28,7 | 15,0 | | |
| M14810-06-06 | 10 | 3/8" | - 06 | 7,0 | 33,6 | 28,8 | 20,0 | | |
| M14810-08-08 | 12 | 1/2" | - 08 | 9,3 | 33,9 | 28,7 | 24,0 | | |
| M14810-12-12 | 19 | 3/4" | - 12 | 15,0 | 35,0 | 28,9 | 29,0 | | |
| M14810-16-16 | 25 | 1" | - 16 | 19,8 | 42,3 | 35,1 | 39,0 | | |
| M14810-20-20 | 31 | 1.1/4" | - 20 | 26,0 | 42,5 | 35,0 | 34,6 | | |
| M14810-24-24 | 38 | 1.1/2" | - 24 | 32,0 | 51,5 | 40,0 | 55,0 | | |
| M14810-32-32 | 51 | 2" | - 32 | 42,0 | 48,9 | 40,0 | 64,0 | | |



MIP

BRAZING TAIL
КОНЕЦ ДЛЯ ПАЙКИ

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|---------------|------|------|------|--|--|
| | DN | inch | Size | B | A | C | D | | |
| M03IP06 | 5 | 3/16" | - 03 | 6,0 | 11,5 | 5,0 | 10,0 | | |
| M04IP08 | 6 | 1/4" | - 04 | 8,0 | 13,0 | 5,0 | 12,0 | | |
| M05IP10 | 8 | 5/16" | - 05 | 10,0 | 13,5 | 6,0 | 14,0 | | |
| M06IP12 | 10 | 3/8" | - 06 | 12,0 | 13,5 | 6,0 | 16,0 | | |
| M06IP14 | 10 | 3/8" | - 06 | 14,0 | 13,5 | 6,0 | 18,0 | | |
| M08IP15 | 12 | 1/2" | - 08 | 15,0 | 14,0 | 6,0 | 20,0 | | |
| M08IP16 | 12 | 1/2" | - 08 | 16,0 | 14,0 | 6,0 | 20,0 | | |
| M10IP18 | 16 | 5/8" | - 10 | 18,0 | 15,0 | 7,0 | 23,0 | | |
| M12IP22 | 19 | 3/4" | - 12 | 22,0 | 16,0 | 7,0 | 26,0 | | |
| M16IP28 | 25 | 1" | - 16 | 28,0 | 18,5 | 8,0 | 34,0 | | |
| M20IP35 | 31 | 1.1/4" | - 20 | 35,0 | 21,5 | 9,0 | 40,0 | | |
| M24IP40 | 38 | 1.1/2" | - 24 | 40,0 | 21,5 | 9,0 | 50,0 | | |
| M32IP50 | 51 | 2" | - 32 | 50,0 | 23,0 | 10,0 | 60,0 | | |
| M40IP60 | 63 | 2.1/2" | - 40 | 60,0 | 22,0 | 10,0 | 73,0 | | |
| M48IP70 | 76 | 3" | - 48 | 70,0 | 38,0 | 10,0 | 89,0 | | |



M10050

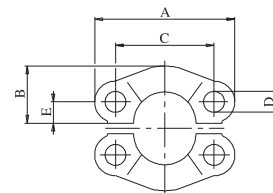
DOUBLE CONNECTOR
ПАРНЫЙ СОЕДИНИТЕЛЬ

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|---------------|------|-------|--|--|--|
| | DN | inch | Size | B | A | C | | | |
| M10050-04-04 | 6 | 1/4" | - 04 | 4,0 | 14,0 | 69,0 | | | |
| M10050-05-05 | 8 | 5/16" | - 05 | 5,5 | 14,0 | 70,0 | | | |
| M10050-06-06 | 10 | 3/8" | - 06 | 7,0 | 14,7 | 73,5 | | | |
| M10050-08-08 | 12 | 1/2" | - 08 | 9,3 | 15,8 | 78,0 | | | |
| M10050-10-10 | 16 | 5/8" | - 10 | 12,5 | 15,4 | 84,0 | | | |
| M10050-12-12 | 19 | 3/4" | - 12 | 15,0 | 18,5 | 91,5 | | | |
| M10050-16-16 | 25 | 1" | - 16 | 19,8 | 22,6 | 119,0 | | | |

ACCESSORIES

083308

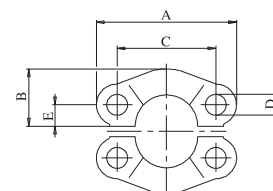
SAE SPLIT FLANGE CLAMPS 3000 psi CODE 61 - SAE J518
 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 3000 psi КОД 61 - SAE J518



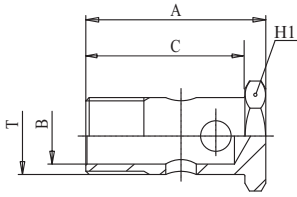
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|-------|-------|------|------|--|
| | DN | inch | Size | B | A | C | D | E | |
| 083308-08 | 12 | 1/2" | - 08 | 23,0 | 54,0 | 38,1 | 9,0 | 8,7 | |
| 083308-12 | 19 | 3/4" | - 12 | 26,1 | 65,1 | 47,6 | 11,0 | 11,1 | |
| 083308-16 | 25 | 1" | - 16 | 29,4 | 69,8 | 52,4 | 11,0 | 13,1 | |
| 083308-20 | 31 | 1.1/4" | - 20 | 36,5 | 79,4 | 58,7 | 12,0 | 15,1 | |
| 083308-24 | 38 | 1.1/2" | - 24 | 41,3 | 93,7 | 69,8 | 13,5 | 17,8 | |
| 083308-32 | 51 | 2" | - 32 | 48,4 | 101,6 | 77,8 | 13,5 | 21,4 | |
| 083308-40 | 63 | 2.1/2" | - 40 | 54,4 | 114,3 | 88,9 | 13,5 | 25,4 | |
| 083308-48 | 76 | 3" | - 48 | 65,3 | 135,0 | 106,4 | 16,5 | 30,9 | |

083609

SAE SPLIT FLANGE CLAMPS 6000 psi CODE 62 - SAE J518
 ЗАЖИМЫ РАЗЪЕМНЫХ ФЛАНЦЕВ ПО SAE 6000 psi КОД 62 - SAE J518



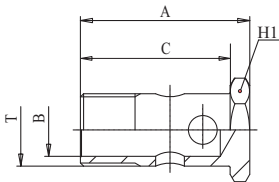
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|-------|------|------|------|--|
| | DN | inch | Size | B | A | C | D | E | |
| 083609-08 | 12 | 1/2" | - 08 | 23,8 | 56,3 | 40,5 | 9,0 | 9,1 | |
| 083609-12 | 19 | 3/4" | - 12 | 30,2 | 71,4 | 50,8 | 11,0 | 11,9 | |
| 083609-16 | 25 | 1" | - 16 | 34,9 | 80,9 | 57,1 | 13,0 | 13,9 | |
| 083609-20 | 31 | 1.1/4" | - 20 | 38,9 | 95,2 | 66,7 | 15,0 | 15,8 | |
| 083609-24 | 38 | 1.1/2" | - 24 | 47,6 | 112,7 | 79,4 | 17,0 | 18,2 | |
| 083609-32 | 51 | 2" | - 32 | 57,1 | 133,3 | 96,8 | 21,0 | 22,2 | |



080210

BSP BOLT
БОЛТ BSP

| PART. REF. | | | | DIMENSIONS mm | | | | | | |
|------------|--|--|--|------------------|------|------|------|--|----------------|--|
| | | | | T | B | A | C | | H ₁ | |
| 080210-04 | | | | 1/4" - 19 | 7,0 | 32,0 | 25,0 | | 17 | |
| 080210-06 | | | | 3/8" - 19 | 9,0 | 38,0 | 31,0 | | 22 | |
| 080210-08 | | | | 1/2" - 14 | 13,0 | 46,0 | 38,0 | | 27 | |
| 080210-10 | | | | 5/8" - 14 | 13,5 | 49,0 | 41,0 | | 30 | |
| 080210-12 | | | | 3/4" - 14 | 17,0 | 56,0 | 46,0 | | 32 | |
| 080210-16 | | | | 1" - 11 | 22,0 | 69,0 | 58,0 | | 41 | |



080810

METRIC BOLT - DIN 7643
МЕТРИЧЕСКИЙ БОЛТ - DIN 7643

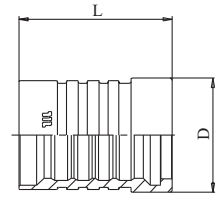
| PART. REF. | | | | DIMENSIONS mm | | | | | | |
|------------|--|--|--|------------------|------|------|------|--|----------------|--|
| | | | | T | B | A | C | | H ₁ | |
| 080810-12 | | | | M12 x 1,5 | 6,0 | 28,0 | 23,0 | | 17 | |
| 080810-14 | | | | M14 x 1,5 | 8,0 | 32,0 | 25,0 | | 19 | |
| 080810-16 | | | | M16 x 1,5 | 9,0 | 38,0 | 31,0 | | 22 | |
| 080810-18 | | | | M18 x 1,5 | 11,0 | 44,0 | 36,0 | | 24 | |
| 080810-22 | | | | M22 x 1,5 | 13,0 | 46,0 | 38,0 | | 27 | |
| 080810-26 | | | | M26 x 1,5 | 17,0 | 56,0 | 46,0 | | 32 | |

FERRULE

M01300

DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES

ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ
ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ

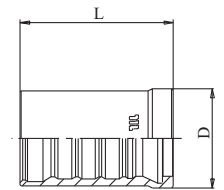


| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|--------|------|------------------|------|-------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M01300-10 | 16 | 5/8" | - 10 | | 36,0 | 43,5 | | | | |
| M01300-12 | 19 | 3/4" | - 12 | | 40,0 | 53,0 | | | | |
| M01300-16 | 25 | 1" | - 16 | | 49,0 | 66,0 | | | | |
| M01300-20 | 31 | 1.1/4" | - 20 | | 60,0 | 88,5 | | | | |
| M01300-24 | 38 | 1.1/2" | - 24 | | 69,3 | 102,0 | | | | |
| M01300-32 | 51 | 2" | - 32 | | 86,5 | 108,0 | | | | |

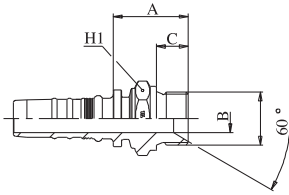
M01400

DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES

ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ
ТЯЖЕЛОГО РЕЖИМА ЭКСПЛУАТАЦИИ



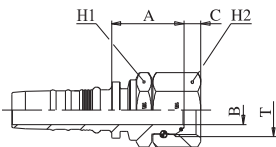
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|------------|-----------|--------|------|------------------|------|-------|--|--|--|--|
| | DN | inch | Size | | D | L | | | | |
| M01400-20 | 31 | 1.1/4" | - 20 | | 57,0 | 88,0 | | | | |
| M01400-24 | 38 | 1.1/2" | - 24 | | 64,3 | 102,0 | | | | |
| M01400-32 | 51 | 2" | - 32 | | 83,5 | 108,0 | | | | |



M35510

BSP MALE PARALLEL 60° CONE SEAT - BS5200
 BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° И
 КОНУСНЫМ УПЛОТНЕНИЕМ - BS5200

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|-------------|------------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ |
| M35510-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 17,0 | 37,3 | 16,0 | | 32 |
| M35510-16-16 | 25 | 1" | - 16 | 1" - 11 | 22,5 | 43,0 | 19,0 | | 41 |
| M35510-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 29,0 | 50,5 | 20,0 | | 50 |
| M35510-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 33,5 | 54,0 | 22,0 | | 55 |
| M35510-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 57,5 | 25,0 | | 70 |



M45812

**BSP O-RING FEMALE 60° CONE - BS5200
 (THRUST-WIRE NUT)**
 BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 60° И УПЛОТНИТЕЛЬНЫМ
 КОЛЬЦОМ - BS5200 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

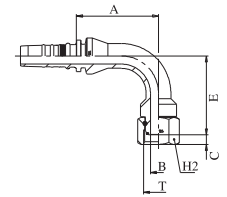
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|------------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M45812-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,3 | 35,8 | 8,5 | | 32 | 32 |
| M45812-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 39,0 | 10,6 | | 41 | 41 |
| M45812-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 26,0 | 47,5 | 10,1 | | 50 | 50 |
| M45812-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 47,5 | 12,5 | | 60 | 60 |
| M45812-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 47,0 | 16,1 | | 70 | 70 |

BS STANDARD CONNECTIONS

M45892

90° BSP O-RING FEMALE SWEEP ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)

90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M45892-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,3 | 72,5 | 8,5 | 70,0 | | 32 |
| M45892-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 82,5 | 10,6 | 80,5 | | 41 |
| M45892-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 26,0 | 98,6 | 10,1 | 98,0 | | 50 |
| M45892-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 111,5 | 12,5 | 109,0 | | 60 |
| M45892-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 143,0 | 16,1 | 140,5 | | 70 |

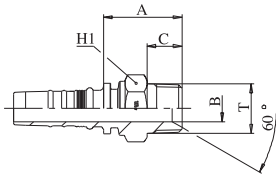
M45842

45° BSP O-RING FEMALE SWEEP ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)

45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ - BS5200 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M45842-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,3 | 88,5 | 8,5 | 35,0 | | 32 |
| M45842-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 97,0 | 10,6 | 40,0 | | 41 |
| M45842-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 26,0 | 120,0 | 10,1 | 49,5 | | 50 |
| M45842-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 126,0 | 12,5 | 50,0 | | 60 |
| M45842-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 162,0 | 16,1 | 66,5 | | 70 |

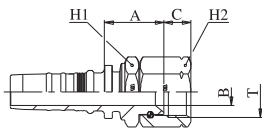


M37810

NPTF MALE 30° CONE SEAT - SAE J516

НРТФ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 30° И
КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|---------------|------------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ |
| M37810-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 43,3 | 19,2 | | 32 |
| M37810-16-16 | 25 | 1" | - 16 | 1" - 11,5 | 19,0 | 49,5 | 24,2 | | 41 |
| M37810-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11,5 | 26,0 | 61,0 | 25,0 | | 46 |
| M37810-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11,5 | 32,0 | 62,5 | 26,0 | | 50 |
| M37810-32-32 | 51 | 2" | - 32 | 2" - 11,5 | 42,0 | 66,5 | 26,5 | | 70 |



M47512

JIC FEMALE 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

ЖИС ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ 37° И
КОНУСНЫМ УПЛОТНЕНИЕМ SAE J516/J514

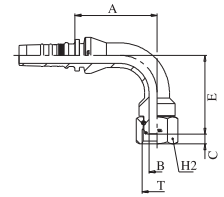
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|------------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M47512-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 31,3 | 14,2 | | 32 | 32 |
| M47512-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 34,0 | 15,2 | | 41 | 41 |
| M47512-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 46,0 | 16,2 | | 50 | 50 |
| M47512-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 52,0 | 18,8 | | 55 | 60 |
| M47512-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 49,5 | 24,0 | | 70 | 75 |

SAE STANDARD CONNECTIONS

M47592

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

90° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)

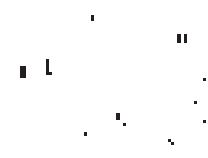


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M47592-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 73,0 | 14,2 | 66,0 | | 32 |
| M47592-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 82,5 | 15,2 | 77,5 | | 41 |
| M47592-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 98,5 | 16,2 | 92,0 | | 50 |
| M47592-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 115,5 | 18,8 | 106,0 | | 60 |
| M47592-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 144,5 | 24,0 | 137,0 | | 75 |

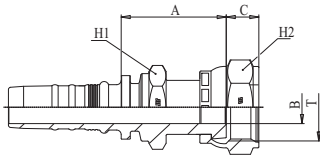
M47542

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516/J514 (THRUST-WIRE NUT)

45° JIC ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ 37° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516/J514 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M47542-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 86,5 | 14,2 | 33,0 | | 32 |
| M47542-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 95,0 | 15,2 | 37,0 | | 41 |
| M47542-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 115,5 | 16,2 | 45,0 | | 50 |
| M47542-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 126,5 | 18,8 | 50,0 | | 60 |



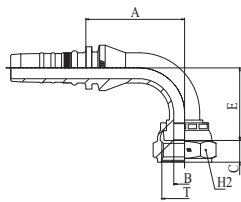
M47411

ORFS FEMALE - SAE J516/J1453 (CRIMPED BACK NUT)

ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453
(ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--|--------|------------------|--|--|--|--|--|
|------------|-----------|--|--|--------|------------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | | H ₁ | H ₂ |
|--------------|----|--------|------|---------------|------|------|------|--|----------------|----------------|
| M47411-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,3 | 46,3 | 14,5 | | 32 | 36 |
| M47411-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,0 | 48,8 | 15,0 | | 41 | 41 |
| M47411-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 24,0 | 54,8 | 14,8 | | 50 | 50 |
| M47411-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 30,5 | 57,4 | 15,8 | | 60 | 60 |



M47491

90° ORFS FEMALE - SAE J516/J1453 (CRIMPED-BACK NUT)

90° ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453
(ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|--|--|--------|------------------|--|--|--|--|--|
|------------|-----------|--|--|--------|------------------|--|--|--|--|--|

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|--------|------|---------------|------|-------|------|------|--|----------------|
| M47491-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,3 | 65,5 | 14,5 | 48,0 | | 36 |
| M47491-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,0 | 85,0 | 15,0 | 54,0 | | 41 |
| M47491-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 24,0 | 98,5 | 14,8 | 65,0 | | 50 |
| M47491-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 30,5 | 115,5 | 15,8 | 79,5 | | 60 |

INTERLOCK TYPE

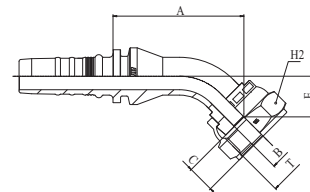


SAE STANDARD CONNECTIONS

M47441

45° ORFS FEMALE - SAE J516/J1453 (CRIMPED-BACK NUT)

45° ORFS ВНУТРЕННЯЯ РЕЗЬБА - SAE J516/J1453
(ПРЕДВАРИТЕЛЬНО ОБЖАТАЯ ГАЙКА)

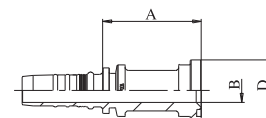


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M47441-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,3 | 69,0 | 14,5 | 21,5 | | 36 |
| M47441-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,0 | 84,5 | 15,0 | 22,0 | | 41 |
| M47441-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 24,0 | 96,5 | 14,8 | 26,0 | | 50 |
| M47441-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 30,5 | 111,5 | 15,8 | 31,5 | | 60 |

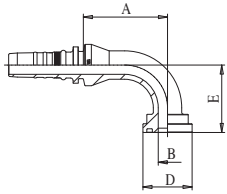
M48310

STRAIGHT SAE FLANGE 3000 psi CODE 61 - SAE J516/J518

ПРЯМОЙ ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J518



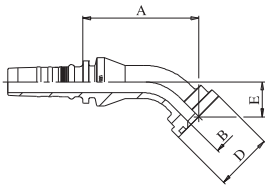
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M48310-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 60,8 | 38,0 | | | |
| M48310-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 65,8 | 44,6 | | | |
| M48310-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 67,0 | 44,6 | | | |
| M48310-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 73,0 | 51,0 | | | |
| M48310-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 75,0 | 51,0 | | | |
| M48310-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 80,0 | 60,5 | | | |
| M48310-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 80,5 | 60,5 | | | |
| M48310-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 87,5 | 71,6 | | | |
| M48310-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 82,5 | 71,6 | | | |



M48390

90° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518
 90° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J158

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|---|
| | DN | inch | Size | | T | B | A | D | E |
| M48390-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 73,0 | 38,0 | 52,0 | |
| M48390-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 73,0 | 44,6 | 52,0 | |
| M48390-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 84,0 | 44,6 | 62,0 | |
| M48390-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 84,0 | 51,0 | 62,0 | |
| M48390-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 99,0 | 51,0 | 70,0 | |
| M48390-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,5 | 60,5 | 72,0 | |
| M48390-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 111,5 | 60,5 | 84,0 | |
| M48390-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 133,0 | 71,6 | 99,0 | |



M48340

45° SAE FLANGE 3000 psi CODE 61 - SAE J516/J518
 45° ФЛАНЕЦ 3000 psi КОД 61 - SAE J516/J158

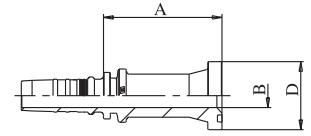
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--|
| | DN | inch | Size | | B | A | D | E | |
| M48340-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 76,5 | 38,0 | 23,0 | |
| M48340-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 87,5 | 44,6 | 27,5 | |
| M48340-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 88,0 | 51,0 | 27,0 | |
| M48340-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 105,0 | 51,0 | 29,5 | |
| M48340-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 101,5 | 60,5 | 31,0 | |
| M48340-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 111,0 | 60,5 | 34,5 | |
| M48340-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 128,5 | 71,6 | 39,0 | |

INTERLOCK TYPE



SAE STANDARD CONNECTIONS

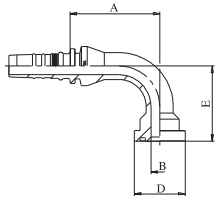
M48610



STRAIGHT SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

ПРЯМОЙ ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J158

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|-------------------------|-----------|--------|------|--------|---------------|-------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M48610-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 71,8 | 41,4 | | | |
| M48610-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 83,8 | 47,7 | | | |
| M48610-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 80,5 | 41,4 | | | |
| M48610-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 85,0 | 47,7 | | | |
| M48610-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 89,0 | 54,2 | | | |
| M48610-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 86,9 | 47,7 | | | |
| M48610-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 91,0 | 54,2 | | | |
| M48610-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 97,0 | 63,7 | | | |
| NEW M48610-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 101,0 | 54,2 | | | |
| M48610-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 97,5 | 63,7 | | | |
| M48610-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 112,5 | 79,6 | | | |
| M48610-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 112,5 | 79,6 | | | |



M48690

90° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

90° ФЛАНЕЦ 6000 psi КОД 62 - SAE J516/J158

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|------------------|-------|------|-------|
| | DN | inch | Size | | B | A | D | E |
| M48690-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 73,0 | 41,4 | 59,0 |
| M48690-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 73,0 | 47,7 | 65,0 |
| M48690-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 81,5 | 41,4 | 62,0 |
| M48690-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 81,5 | 47,7 | 68,0 |
| M48690-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 79,0 | 54,2 | 76,0 |
| M48690-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 98,5 | 47,7 | 79,0 |
| M48690-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,2 | 81,0 |
| M48690-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,5 | 63,7 | 91,5 |
| M48690-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 111,0 | 54,2 | 91,0 |
| M48690-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 112,5 | 63,7 | 94,5 |
| M48690-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 112,5 | 79,6 | 110,5 |
| M48690-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 140,5 | 79,6 | 132,0 |

INTERLOCK TYPE

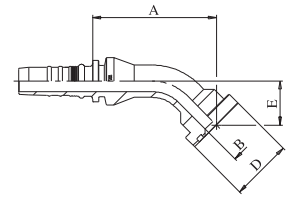


SAE STANDARD CONNECTIONS

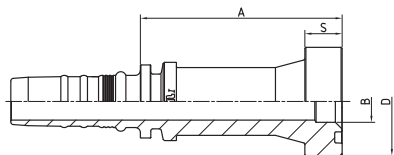
M48640

45° SAE FLANGE 6000 psi CODE 62 - SAE J516/J518

45° ФЛАНЕЦ 3000 psi КОД 62 - SAE J516/J158



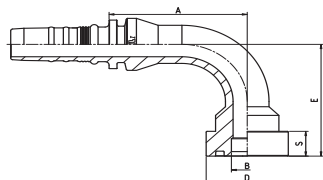
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M48640-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 81,5 | 41,4 | 28,0 |
| M48640-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 86,0 | 47,7 | 32,5 |
| M48640-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 87,5 | 41,4 | 28,0 |
| M48640-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 91,5 | 47,7 | 32,5 |
| M48640-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 94,0 | 54,2 | 37,5 |
| M48640-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 106,5 | 47,7 | 36,0 |
| M48640-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 108,0 | 54,2 | 37,5 |
| M48640-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 115,0 | 63,7 | 45,0 |
| M48640-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 124,5 | 63,7 | 44,0 |
| M48640-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 135,5 | 79,6 | 55,5 |
| M48640-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 154,0 | 79,6 | 60,5 |



M48910

STRAIGHT SUPERCAT SERIES FLANGE ПРЯМОЙ ФЛАНЕЦ SUPERCAT

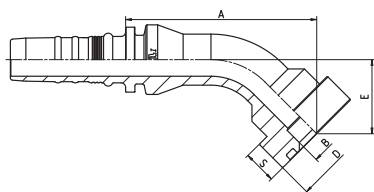
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|------|--|
| | DN | inch | Size | | B | A | D | S | |
| M48910-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 77,4 | 41,5 | 14,3 | |
| M48910-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 81,8 | 47,7 | 14,3 | |
| M48910-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 85,0 | 54,0 | 14,3 | |
| M48910-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 89,2 | 63,6 | 14,3 | |



M48990

90° SUPERCAT SERIES FLANGE 90° ФЛАНЕЦ SUPERCAT

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M48990-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 73,0 | 41,5 | 64,5 | 14,3 |
| M48990-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 88,5 | 47,7 | 76,5 | 14,3 |
| M48990-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,0 | 85,0 | 14,3 |
| M48990-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 112,5 | 63,6 | 96,5 | 14,3 |



M48940

45° SUPERCAT SERIES FLANGE 45° ФЛАНЕЦ SUPERCAT

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M48940-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 85,5 | 41,5 | 32,0 | 14,3 |
| M48940-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 100,5 | 47,7 | 36,5 | 14,3 |
| M48940-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 110,5 | 54,0 | 40,5 | 14,3 |
| M48940-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 125,5 | 63,6 | 45,5 | 14,3 |

INTERLOCK TYPE

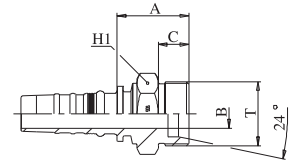


DIN STANDARD CONNECTIONS

M36210

METRIC MALE 24° CONE SEAT H.T. - DIN 20066/3861

ВНЕШНЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ 24° И
КОНУСНЫМ УПЛОТНЕНИЕМ Н.Т. ПО - DIN 20066/3861



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS | | | | |
|--------------|-----------|--------|------|--------|------|------------|------|------|---|----|
| | mm | inch | DN | | | T | mm | B | A | C |
| M36210-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 15,0 | 26,0 | 16,0 | | 30 |
| M36210-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,3 | 43,8 | 18,0 | | 36 |
| M36210-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,0 | 47,0 | 20,0 | | 46 |
| M36210-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 24,0 | 55,0 | 22,0 | | 55 |
| M36210-24-52 | 38 | 1.1/2" | -24 | M 52x2 | 38 | 30,5 | 55,6 | 22,0 | | 55 |

M46612

O-RING METRIC FEMALE 24° CONE H.T. - DIN 20066/3865 (THRUST WIRE NUT)

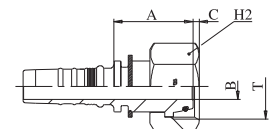
ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M46613

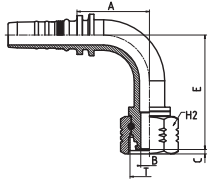
O-RING METRIC FEMALE 24° CONE H.T. - DIN 20066/3865 (SLIP-ON NUT)

ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS | | | | |
|--------------|-----------|--------|------|--------|------|------------|------|-----|---|----|
| | mm | inch | DN | | | T | mm | B | A | C |
| M46613-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 37,5 | 3,5 | | 36 |
| M46612-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 50,3 | 3,2 | | 36 |
| M46613-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,3 | 40,5 | 3,4 | | 41 |
| M46613-12-42 | 19 | 3/4" | - 12 | M 42x2 | 30 | 19,0 | 45,4 | 5,3 | | 50 |
| M46612-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 46,8 | 4,1 | | 41 |
| M46613-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,0 | 44,5 | 5,3 | | 50 |
| M46613-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 40,5 | 8,0 | | 60 |
| M46612-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 38 | 26,0 | 52,5 | 8,8 | | 60 |

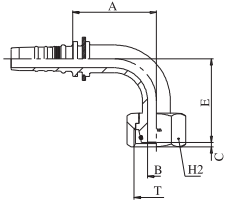
DIN STANDARD CONNECTIONS



M46692

90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T. DIN 20066/3865 (THRUST-WIRE NUT)

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



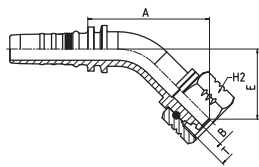
M46693

90° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T. DIN 20066/3865 (SLIP-ON NUT)

90° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | THREAD | PIPE | DIMENSIONS mm | | | | | | | |
|------------|-----------|--------|------|---------------|--|--|--|--|--|--|--|
|------------|-----------|--------|------|---------------|--|--|--|--|--|--|--|

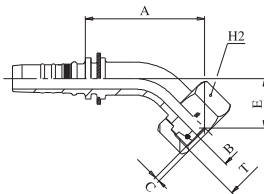
| | DN | inch | Size | T | mm | B | A | C | E | H ₂ |
|--------------|----|--------|------|--------|----|------|-------|-----|------|----------------|
| M46693-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 52,5 | 3,5 | 57,5 | 36 |
| M46692-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 64,0 | 3,2 | 68,5 | 36 |
| M46693-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,3 | 67,5 | 3,4 | 67,5 | 41 |
| M46692-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 82,0 | 4,1 | 89,0 | 41 |
| M46693-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,0 | 82,0 | 5,3 | 75,5 | 50 |
| M46693-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 100,0 | 8,0 | 86,5 | 60 |



M46642

45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T. DIN 20066/3865 (THRUST-WIRE NUT)

45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (ГАЙКА С ФИКСИРУЮЩИМ ШТИФТОМ)



M46643

45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE H.T. DIN 20066/3865 (SLIP-ON NUT)

45° ВНУТРЕННЯЯ МЕТРИЧЕСКАЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 24° Н.Т.
С УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ПО - DIN 20066/3865 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | THREAD | PIPE | DIMENSIONS mm | | | | | | | |
|------------|-----------|--------|------|---------------|--|--|--|--|--|--|--|
|------------|-----------|--------|------|---------------|--|--|--|--|--|--|--|

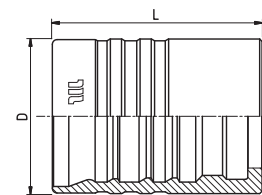
| | DN | inch | Size | T | mm | B | A | C | E | H ₂ |
|--------------|----|--------|------|--------|----|------|-------|-----|------|----------------|
| M46642-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 79,7 | 3,2 | 34,8 | 36 |
| M46643-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,3 | 81,5 | 3,4 | 33,5 | 41 |
| M46642-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 103,0 | 4,1 | 45,5 | 41 |
| M46643-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,0 | 93,5 | 5,3 | 36,0 | 50 |
| M46643-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 110,0 | 8,0 | 40,0 | 60 |

DIAMONDSPIR HOSE RANGE

M01800

DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY)

ДВОЙНАЯ ЗАЧИСТНАЯ МУФТА ДЛЯ СПИРАЛЬНЫХ РУКАВОВ СВЕРХСЛОЖНЫХ РЕЖИМОВ РАБОТЫ (6 СЛОЕВ)

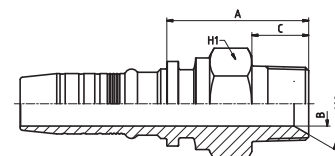


| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | |
|------------|-----------|--------|------|---------------|-------|--|--|
| | DN | inch | Size | D | L | | |
| M01800-16 | 25 | 1" | - 16 | 53,5 | 68,0 | | |
| M01800-20 | 31 | 1.1/4" | - 20 | 64,5 | 88,2 | | |
| M01800-24 | 38 | 1.1/2" | - 24 | 73,0 | 97,8 | | |
| M01800-32 | 51 | 2" | - 32 | 86,5 | 108,0 | | |
| M01800-40 | 63 | 2.1/2" | - 40 | 103,0 | 135,0 | | |
| M01800-48 | 76 | 3" | - 48 | 113,5 | 125,0 | | |

M57810

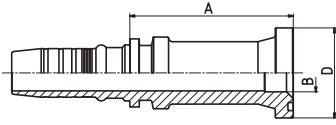
NPTF MALE 60° CONE SEAT - SAE J516

NPTF ВНЕШНЯЯ РЕЗЬБА С УГОЛОМ 60° И КОНУСНЫМ УПЛОТНЕНИЕМ - SAE J516



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|---------------|---------------|------|------|----|
| | DN | inch | Size | | T | B | A | C |
| M57810-16-16 | 25 | 1" | - 16 | 1" - 11.5 | 19,0 | 60,4 | 24,2 | 41 |
| M57810-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11.5 | 26,1 | 63,9 | 28,0 | 46 |
| M57810-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11.5 | 32,1 | 70,4 | 30,0 | 55 |
| M57810-32-32 | 51 | 2" | - 32 | 2" - 11.5 | 42,0 | 75,5 | 35,0 | 70 |

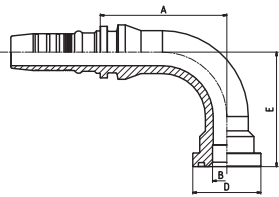
M68610



STRAIGHT SAE FLANGE CODE 62 - SAE J516/J518
 ПРЯМОЙ ФЛАНЕЦ КОД 62 - SAE J516/J518

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | |
|----------------|-----------|--------|------|--------|---------------|-------|-------|
| | DN | inch | Size | | B | A | D |
| M68610-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 86,0 | 47,7 |
| M68610-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 91,0 | 54,2 |
| M68610-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 97,5 | 63,7 |
| M68610-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 112,5 | 79,6 |
| M68610-40-32 | 63 | 2.1/2" | - 40 | 2" | 41,0 | 115,0 | 79,6 |
| M68610-40-40 * | 63 | 2.1/2" | - 40 | 2.1/2" | 51,5 | 127,0 | 107,8 |
| M68610-48-48 * | 76 | 3" | - 48 | 3" | 63,0 | 167,0 | 131,9 |

* Manuli specification / Спецификация "МАНУЛИ"



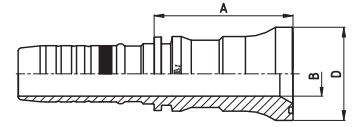
M68690

90° SAE FLANGE CODE 62 - SAE J516/J518
 90° ФЛАНЕЦ КОД 62 - SAE J516/J518

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|
| | DN | inch | Size | | B | A | D | E |
| M68690-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 89,0 | 47,7 | 80,0 |
| M68690-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 24,0 | 110,0 | 54,2 | 93,0 |
| M68690-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 38,5 | 125,0 | 63,7 | 110,0 |
| M68690-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 148,0 | 79,6 | 136,0 |

XTRAFLANGE

M68510

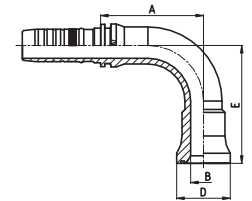


STRAIGHT XTRAFLANGE

ПРЯМОЙ ФЛАНЕЦ ХТРА

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | W.P. | WEIGHT |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--------|
| | DN | inch | Size | | B | A | D | | |
| M68510-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 69,5 | 47,7 | 560 | 0,6 |
| M68510-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 24,0 | 88,0 | 54,4 | 560 | 1,0 |
| M68510-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 30,5 | 102,0 | 63,7 | 560 | 1,4 |
| M68510-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 129,0 | 79,6 | 450 | 2,7 |
| M68510-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" | 51,5 | 149,0 | 99,2 | 350 | 4,4 |

M68590

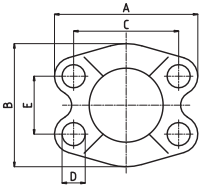


90° XTRAFLANGE

90° ФЛАНЕЦ ХТРА

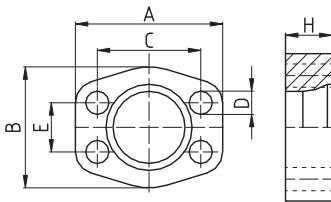
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | W.P. | WEIGHT |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|------|--------|
| | DN | inch | Size | | B | A | D | E | | |
| M68590-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 84,2 | 47,7 | 90,0 | 560 | 0,8 |
| M68590-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 24,0 | 107,0 | 54,4 | 120,0 | 560 | 1,5 |
| M68590-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 30,5 | 122,2 | 63,7 | 140,0 | 560 | 2,2 |
| M68590-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 147,5 | 79,6 | 180,0 | 450 | 4,3 |

083607



SAE ONE-PIECE FLANGE CLAMPS CODE 62 - SAE J518
ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА КОД 62 - SAE J518

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | |
|------------------|-----------|--------|------|---------------|-------|-------|------|------|
| | DN | inch | Size | B | A | C | D | E |
| 083607-16 | 25 | 1" | - 16 | 70,0 | 81,0 | 57,2 | 13,0 | 27,8 |
| 083607-20 | 32 | 1.1/4" | - 20 | 78,0 | 96,0 | 66,7 | 15,0 | 31,8 |
| 083607-24 | 38 | 1.1/2" | - 24 | 96,0 | 113,0 | 79,4 | 17,0 | 36,5 |
| 083607-32 | 51 | 2" | - 32 | 114,0 | 134,0 | 96,8 | 21,0 | 44,4 |
| 083607-40 | 63 | 2.1/2" | - 40 | 150,0 | 175,0 | 123,8 | 25,0 | 58,7 |
| 083607-48 | 76 | 3" | - 48 | 178,0 | 210,0 | 152,4 | 32,0 | 71,4 |



088507

ONE-PIECE XTRAFLANGE CLAMPS
ЗАЖИМ ЦЕЛЬНОГО ФЛАНЦА

| PART. REF. | FLANGE SIZE | | | DIMENSIONS mm | | | | | BOLT | WEIGHT | |
|------------------|-------------|--------|------|---------------|-------|-------|------|------|------|--------|-----|
| | DN | inch | Size | B | A | C | D | E | | | |
| 088507-16 | 25 | 1" | - 16 | 66,7 | 80,0 | 57,2 | 13,0 | 27,8 | 24,0 | 50,0 | 0,5 |
| 088507-20 | 31 | 1.1/4" | - 20 | 78,0 | 95,0 | 66,7 | 15,0 | 31,7 | 30,0 | 65,0 | 0,9 |
| 088507-24 | 38 | 1.1/2" | - 24 | 94,0 | 112,0 | 79,4 | 17,0 | 36,5 | 36,0 | 75,0 | 1,6 |
| 088507-32 | 51 | 2" | - 32 | 114,0 | 133,0 | 96,8 | 21,0 | 44,5 | 47,0 | 100,0 | 2,7 |
| 088507-40 | 63 | 2.1/2" | - 40 | 150,0 | 180,0 | 123,8 | 26,0 | 58,8 | 55,0 | 110,0 | 6,4 |

ASSEMBLING INSTRUCTIONS



The following assembling instructions are strongly recommended on heavy duty applications.

Вследствие того, что данные конструкции используются в сверхмощных системах, рекомендуются строго следовать инструкции по сборке.

M68610 - M68690

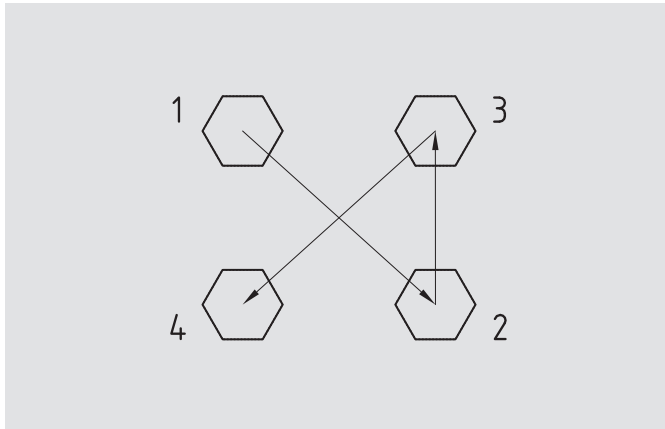
| PART. REF. | FLANGE SIZE | SPLIT FLANGE TYPE | ONE-PIECE FLANGE TYPE | OR (NBR 90 ShA) SAE J515 | METRIC BOLT DIMENSIONS (Class. 10.9) | UNC BOLT DIMENSIONS (Grade 8) | BOLT THREAD LENGTH (mm) | BOLT TORQUE (Nm) |
|--------------|-------------|-------------------|-----------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|------------------|
| M68610-16-16 | 1" | | O83607-16 | 32,92x3,53 | M 12 | 7/16-14 | 45 | 130 |
| M68690-16-16 | 1" | | O83607-16 | 32,92x3,53 | M 12 | 7/16-14 | 45 | 130 |
| M68610-20-20 | 1.1/4" | | O83607-20 | 37,69x3,53 | M 14 | 1/2-13 | 45 | 180 |
| M68690-20-20 | 1.1/4" | | O83607-20 | 37,69x3,53 | M 14 | 1/2-13 | 45 | 180 |
| M68610-24-24 | 1.1/2" | | O83607-24 | 47,22x3,53 | M 16 | 5/8-11 | 55 | 290 |
| M68690-24-24 | 1.1/2" | | O83607-24 | 47,22x3,53 | M 16 | 5/8-11 | 55 | 290 |
| M68610-32-32 | 2" | | O83607-32 | 56,74x3,53 | M 20 | 3/4-10 | 70 | 450 |
| M68690-32-32 | 2" | | O83607-32 | 56,74x3,53 | M 20 | 3/4-10 | 70 | 450 |
| M68610-40-32 | 2" | O83609-32 | | 56,74x3,53 | M 20 | 3/4-10 | 70 | 450 |
| M68610-40-40 | 2.1/2" | | O83607-40 | 69,44x3,53 | M 24 | 1-8 | 80 | 550 |
| M68610-48-48 | 3" | | O83607-48 | 85,32x3,53 | M 30 | 1.1/4-7 | 90 | 650 |

M68510 - M68590

| PART. REF. | FLANGE SIZE | ONE-PIECE FLANGE TYPE | OR (NBR 90 ShA) SAE J515 | METRIC BOLT DIMENSIONS (Class. 10.9) | UNC BOLT DIMENSIONS (Grade 8) | BOLT THREAD LENGTH (mm) | BOLT TORQUE (Nm) |
|--------------|-------------|-----------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|------------------|
| M68510-16-16 | 1" | O88507-16 | 32,92x3,53 | M 12 | 7/16-14 | 50 | 130 |
| M68590-16-16 | 1" | O88507-16 | 32,92x3,53 | M 12 | 7/16-14 | 50 | 130 |
| M68510-20-20 | 1.1/4" | O88507-20 | 37,69x3,53 | M 14 | 1/2-13 | 65 | 180 |
| M68590-20-20 | 1.1/4" | O88507-20 | 37,69x3,53 | M 14 | 1/2-13 | 65 | 180 |
| M68510-24-24 | 1.1/2" | O88507-24 | 47,22x3,53 | M 16 | 5/8-11 | 75 | 290 |
| M68590-24-24 | 1.1/2" | O88507-24 | 47,22x3,53 | M 16 | 5/8-11 | 75 | 290 |
| M68510-32-32 | 2" | O88507-32 | 56,74x3,53 | M 20 | 3/4-10 | 95 | 450 |
| M68590-32-32 | 2" | O88507-32 | 56,74x3,53 | M 20 | 3/4-10 | 95 | 450 |
| M68510-40-40 | 2.1/2" | O88507-40 | 69,44x3,53 | M 24 | 1-8 | 110 | 550 |

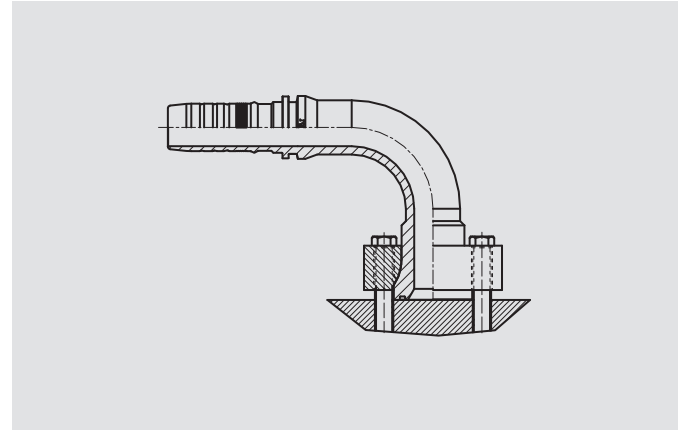
SCREWS HAVE TO BE TORQUED WITH THE FOLLOWING SCHEME:

ВИНТ ДОЛЖЕН БЫТЬ ЗАВИНЧЕН ПО СЛЕДУЮЩЕЙ СХЕМЕ:



XTRAFRANGE ASSEMBLING SCHEME:

СБОРНАЯ СХЕМА XTRAFRANGE:



During the installation it is recommended to apply a light torque to each screw before the final one to avoid:

- misalignments between flanges and clamps
- clamp halves damages during installation

Важно, чтобы все винты должны быть слегка завинчены прежде, чем, согласно рекомендациям, будет наложен конечный элемент, чтобы избежать перекос фланцевого соединения и зажима или повреждения зажима во время установки.

RECOMMENDATIONS РЕКОМЕНДАЦИИ

- the crimping operation to apply XTRALOCK fittings must be carried out with proper high performance crimping/assembling machines (crimping force higher than 2800-3000 kN) and approved by Manuli Rubber Industries, in order to guarantee the optimum couplings assembly deformations and hose gripping;
- special crimping machines with long die sets are requested for the large size XTRALOCK fittings (double crimping operation is not recommended);
- the use of uncut split flanges (one piece flanges) is recommended for the best performance of the assemblies in heavy duty applications;
- it is recommended to follow the detailed assembly instructions supplied by Manuli Rubber Industries to customers, assemblers and operators using the integrated package DIAMONDSPIR hose & XTRALOCK fittings.

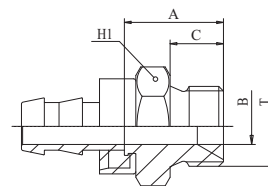
- Процесс обжимки должен быть выполнен при помощи надлежащего сборного/обжимного оборудования высокого качества (мощность более 2800-3000 кН) и одобренного Manuli Rubber Industries для того, чтобы гарантировать высокое качество сборки рукава,
- Для сборки фитингов больших размеров таких, как XTRALOCK необходимо использовать специальное обжимное оборудование с удлиненным комплектом штампа (двойной обжим необязателен),
- Рекомендуется использование нешлифованных разъемных фланцев (монокрипный фланец) для оптимальных (рабочих) характеристик в экстремальном режиме эксплуатации,
- Рекомендуется также следовать подробной инструкции по сборке, предоставленной клиентам Manuli Rubber Industries, использующим интегрированный пакет программ для рукавов.

BS STANDARD CONNECTIONS

L10510*

BSP MALE PARALLEL 60° CONE SEAT - BS5200

BSP ПАРАЛЛЕЛЬНАЯ ВНЕШНЯЯ РЕЗЬБА С УГЛОМ 60° - BS5200
И КОНУСНЫМ УПЛОТНЕНИЕМ



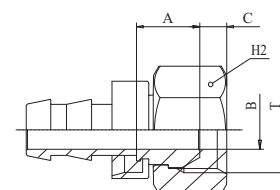
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ |
| L10510-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 5,0 | 18,9 | 11,0 | | 19 |
| L10510-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 8,0 | 21,0 | 12,0 | | 22 |
| L10510-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 8,0 | 21,0 | 12,0 | | 22 |
| L10510-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 11,0 | 25,0 | 14,0 | | 27 |
| L10510-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 14,5 | 26,5 | 16,0 | | 30 |
| L10510-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 17,0 | 28,0 | 16,0 | | 32 |
| L10510-16-16 | 25 | 1" | - 16 | 1" - 11 | 22,5 | 32,0 | 19,0 | | 41 |

* No ferrule needed / муфта не требуется

L20513*

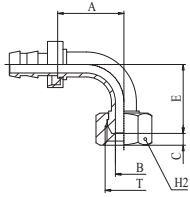
BSP FEMALE 60° CONE - BS5200 (SLIP-ON NUT)

BSP ВНУТРЕННЯЯ РЕЗЬБА С УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ
КОЛЬЦОМ - BS5200 (НАКИДНАЯ ГАЙКА)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₂ |
| L20513-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 10,9 | 5,8 | | 19 |
| L20513-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 7,0 | 13,0 | 6,0 | | 22 |
| L20513-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 13,0 | 6,0 | | 22 |
| L20513-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,5 | 14,5 | 6,5 | | 27 |
| L20513-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,0 | 14,0 | 9,0 | | 28 |
| L20513-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 15,5 | 9,0 | | 32 |
| L20513-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,0 | 17,0 | 11,0 | | 38 |
| L20513-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 17,0 | 11,0 | | 38 |

* No ferrule needed / муфта не требуется



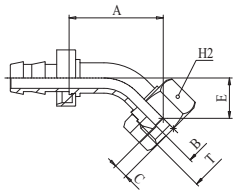
L20593*

90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (SLIP ON NUT)

90° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ BS5200 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|------|--|----------------|
| | DN | inch | Size | T | B | A | C | E | | H ₂ |
| L20593-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 24,0 | 5,8 | 24,0 | | 19 |
| L20593-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 32,0 | 6,0 | 32,0 | | 22 |
| L20593-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,5 | 36,0 | 6,5 | 38,5 | | 27 |
| L20593-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,0 | 43,5 | 9,0 | 41,0 | | 28 |
| L20593-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 46,0 | 9,0 | 46,5 | | 32 |
| L20593-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,0 | 46,0 | 11,0 | 48,5 | | 38 |
| L20593-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 51,0 | 11,0 | 54,0 | | 38 |

* No ferrule needed / муфта не требуется



L20543*

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (SLIP ON NUT)

45° BSP ВНУТРЕННЯЯ РЕЗЬБА С ПОВОРОТНЫМ УГЛОМ КОНУСА 60° И УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ BS5200 (НАКИДНАЯ ГАЙКА)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|------|--|----------------|
| | DN | inch | Size | T | B | A | C | E | | H ₂ |
| L20543-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 4,0 | 29,0 | 5,8 | 12,0 | | 19 |
| L20543-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 36,5 | 6,0 | 15,0 | | 22 |
| L20543-08-08 | 12 | 1/2" | - 08 | 1/2" - 14 | 9,5 | 42,0 | 6,5 | 18,5 | | 27 |
| L20543-10-10 | 16 | 5/8" | - 10 | 5/8" - 14 | 12,0 | 48,5 | 9,0 | 19,0 | | 28 |
| L20543-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 50,5 | 9,0 | 21,0 | | 32 |
| L20543-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,0 | 54,0 | 11,0 | 24,0 | | 38 |

* No ferrule needed / муфта не требуется

