

FITTINGS

manuli 2000®



Fluid connectors, solid solutions

manuli®
HYDRAULICS

INTRODUCTION

GB

The range of hydraulic fittings applies 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 Plus range is recommended with internal and external skiving operations.

CN

液压接头系列符合英国BS (英国标准), 美国SAE和德国DIN (德国标准) 规范。

本系列还包括符合日本JIS规范 (日本工业标准) 和法国NF规范 (法国国家标准)

的部分产品以及某些OEM应用的法兰接头

对于编织胶管, 可使用采取不剥胶和剥胶总成技术的MF2000®系列。

对于缠绕胶管, 可使用采取外部剥胶技术的MF2000®系列。

对于高压胶管, 推荐使用采取内部和外部剥胶操作的内锁增强式系列。

D

SAE und DIN (Deutsches Institut für Normung). Ergänzende Produkte nach der japanischen Norm JIS (Japanese Industrial Standard), Französische NF Spezifikationen und einige Flanschmaturen nach OEM-Vorschriften sind ebenfalls verfügbar.

Für Drahtgeflechtschläuche steht das MF2000® Programm mit Schäl-oder Nicht-Schäl-Technologie zur Verfügung, während für die Superhochdruckanwendungen das MF2000® InterlockPlusprogramm mit Innen und Außenschälung die optimale Lösung darstellt.

IT

La gamma raccordi MRI comprende prodotti rispondenti alle norme inglesi BSP (British Standard Pipe), americane JIC (Joint Industrial Council) e tedesche DIN (Deutsches Institut für Normung). Sono inoltre disponibili ulteriori referenze conformi alle norme giapponesi JIS (Japanese Industrial Standard), francesi NF ed una gamma di flange speciali per specifiche applicazioni OEM.

Per tubi con rinforzo trecciato è disponibile la gamma MF2000® con entrambe le soluzioni con e senza pelatura esterna del tubo.

Per tubi con rinforzo in acciaio spiralato è utilizzata la gamma MF2000® con pelatura esterna, mentre, per le altissime pressioni, può essere utilizzata la gamma Interlock Plus che prevede la pelatura interna ed esterna del tubo.

| REFERENCE | DESCRIPTION | PAGE |
|-----------|-------------|------|
|-----------|-------------|------|

MF2000® MULTIFIT TYPE FERRULE













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| M00110/M00120 | SKIVE FERRULE FOR WIRE BRAID HOSES 钢丝编织管剥胶套筒 SCHÄLFASSUNG FÜR STAHLGEFLECHTSCHLÄUCHE GHIERA PER TUBI TRECCIATI CON PELATURA | 157 |
| M00910/M00920 | SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES 钢丝编织/缠绕管剥胶套筒 SCHÄLFASSUNG FÜR STAHLGEFLECHT- UND SPIRALSCHLÄUCHE GHIERA PER TUBI TRECCIATI E SPIRALATI CON PELATURA | 157 |
| M03400 | NO-SKIVE FERRULE FOR WIRE BRAID HOSES 钢丝编织管不剥胶套筒 NICHT-SCHÄLFASSUNG FÜR STAHLGEFLECHTSCHLÄUCHE GHIERA PER TUBI TRECCIATI SENZA PELATURA | 158 |
| M00310 | NO-SKIVE FERRULE FOR TEXTILE BRAID HOSES 棉线编织管不剥胶套筒 NICHT-SCHÄLFASSUNG FÜR TEXTILGEFLECHTSCHLÄUCHE GHIERA PER TUBI TESSILI SENZA PELATURA | 159 |
| M00820/M00830 | NO-SKIVE FERRULE FOR COMPACT HOSES 紧凑型胶管不剥胶套筒 NICHT-SCHÄLFASSUNG FÜR KOMPAKT-SCHLÄUCHE GHIERA PER TUBI COMPATTI SENZA PELATURA | 159 |













MF2000® MULTIFIT TYPE INSERT

BS STANDARD CONNECTIONS











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| M10710 | BSP MALE TAPERED - ISO 7 BSP 锥形外螺纹 - ISO 7 AGR KONISCH (BSPT GEWINDE NACH) - ISO 7 MASCHIO CONICO GAS - ISO 7 | 160 |
| M10510 | BSP MALE PARALLEL 60° CONE SEAT - B55200 / ISO 8434-6 BSP 平行外螺纹 (60° 锥形底座) - B55200 / ISO 8434-6 AGR 60° INNENKONUS (BSP-GEWINDE NACH B55200 / ISO 8434-6) MASCHIO GAS CILINDRICO 60° - B55200 / ISO 8434-6 | 161 |
| M20512 | BSP FEMALE 60° CONE - B55200 / ISO 12151-6 (THRUST-WIRE NUT) BSP 内螺纹 (60° 锥) B55200 / ISO 12151-6 (带止推金属丝螺母) DKR 60° KONUS (BSP-GEWINDE NACH B55200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS CONO 60° - B55200 / ISO 12151-6 (DADO SPINATO) | 162 |
| M20513 | BSP FEMALE 60° CONE - B55200 / ISO 12151-6 (SLIP-ON NUT) BSP 内螺纹 (60° 锥) B55200 / ISO 12151-6 (带滑套螺母) DKR 60° KONUS (BSP-GEWINDE NACH B55200 / ISO 12151-6, HINTERLEGTE MUTTER) FEMMINA GAS CONO 60° - B55200 / ISO 12151-6 (DADO PASSANTE) | 162 |
| M20592 | 90° BSP FEMALE SWEPT ELBOW 60° CONE - B55200 / ISO 12151-6 (THRUST-WIRE NUT) 90° BSP 内螺纹巨肘弯头 (60° 锥) B55200 / ISO 12151-6 (带止推金属丝螺母) DKR 90° BOGEN 60° KONUS - (BSP-GEWINDE NACH B55200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS 90° CONO 60° - B55200 / ISO 12151-6 (DADO SPINATO) | 163 |
| M20593 | 90° BSP FEMALE SWEPT ELBOW 60° CONE - B55200 / ISO 12151-6 (SLIP-ON NUT) 90° BSP 内螺纹巨肘弯头 (60° 锥) B55200 / ISO 12151-6 (带滑套螺母) DKR 90° BOGEN 60° KONUS - (BSP-GEWINDE NACH B55200 / ISO 12151-6, HINTERLEGTE MUTTER) FEMMINA GAS 90° CONO 60° - B55200 / ISO 12151-6 (DADO PASSANTE) | 163 |











VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| M20542 | 45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 45° BSP 内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKR 45° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS 45° CONO 60° - BS5200 / ISO 12151-6 (DADO SPINATO) | 164 |
|  | | |
| M20543 | 45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT) 45° BSP 内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带滑套螺母) DRK 45° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER) FEMMINA GAS 45° CONO 60° - BS5200 / ISO 12151-6 (DADO PASSANTE) | 164 |
|  | | |
| M20812 | BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT) BSP O型圈内螺纹 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 60° KONUS MIT O-RING - (BSP-GEWINDE NACH BS5200 / ISO 12151-6 GESTIFTETE MUTTER) FEMMINA GAS CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO) | 165 |
|  | | |
| M20813 | BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT) BSP O型圈内螺纹 (60° 锥) BS5200 / ISO 12151-6 (带滑套螺母) DKOR 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6 HINTERLEGTE MUTTER) FEMMINA GAS CONO 60° O-RING BS5200 / ISO 12151-6 (DADO PASSANTE) | 165 |
|  | | |
| M20892 | 90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 90° O型圈内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 90° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS 90° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO) | 166 |
|  | | |
| M20893 | A90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT) 90° BSP O型圈内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带滑套螺母) DKOR 90° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6 HINTERLEGTE MUTTER) FEMMINA GAS 90° CONO 60° O-RING BS5200 / ISO 12151-6 (DADO PASSANTE) | 166 |
|  | | |
| M20842 | 45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 45° BSP O型圈内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 45° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS 45° CONO 60° O-RING BS5200 / ISO 12151-6 (DADO SPINATO) | 167 |
|  | | |
| M20843 | 45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (SLIP-ON NUT) 45° BSP O型圈内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带滑套螺母) DKOR 45° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER) FEMMINA GAS 45° CONO 60° O-RING BS5200 / ISO 12151-6 (DADO PASSANTE) | 167 |
|  | | |
| M20882F | 90° BSP O-RING FEMALE COMPACT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 90° BSP O型圈内螺纹紧凑型弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 90° KOMPAKTBOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER) FEMMINA GAS 90° CONO 60° O-RING TIPO COMPATTO BS5200 / ISO 12151-6 (DADO SPINATO) | 168 |
|  | | |
| M10610 | BSP MALE FLAT SEAT BSP 外螺纹平面底座 AGR FLACH DICHTEND MASCHIO GAS CILINDRICO SEDE PIANA | 168 |
|  | | |
| M20612 | BSP FEMALE FLAT SEAT (THRUST-WIRE NUT) BSP 内螺纹平面底座 (带止推金属丝螺母) DKR FLACHDICHTEND (BSP-GEWINDE, GESTIFTETE MUTTER) FEMMINA GAS SEDE PIANA (DADO SPINATO) | 169 |
|  | | |
| M20613 | BSP FEMALE FLAT SEAT (SLIP-ON NUT) BSP 内螺纹平面底座 (滑套螺母) DKR FLACHDICHTEND (BSP-GEWINDE, HINTERLEGTE MUTTER) FEMMINA GAS SEDE PIANA (DADO PASSANTE) | 169 |
|  | | |












| REFERENCE | DESCRIPTION | PAGE |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SAE STANDARD CONNECTIONS | | |
| JIC | | |
| M12510  | JIC MALE 37° CONE - SAE J516 / ISO 12151-5 JIC 外螺纹 37° 锥 - SAE J516 / ISO 12151-5 AGJ 37° AUSSENKONUS (UNF-GEWINDE NACH SAE J516 / ISO 12151-5) MASCHIO JIC CONO 37° - SAE J516 / ISO 12151-5 | 170 |
| M22512  | JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO) | 171 |
| M22513  | JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT) JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带滑套螺母) DKJ 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER) FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO PASSANTE) | 171 |
| M22711  | JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (CRIMPED-BACK NUT) JIC 内螺纹 37° 锥形底座双六角螺母 - SAE J516 / ISO 12151-5 (带扣压-支撑螺母) DKJ 37° MIT KONTERSECHSKANT (UNF GEWINDE NACH SAE J516 / ISO 12151-5, VORGEKRIMPT MUTTER) FEMMINA JIC CONO 37° DOPPIO ESAGONO SAE J516 / ISO 12151-5 (DADO PRESSATO) | 172 |
| M22711K  | JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (CRIMPED-BACK COMPACT NUT) JIC 内螺纹 37° 锥形底座双六角螺母 - SAE J516 / ISO 12151-5 (带扣压-支撑紧凑型螺母) DKJ (KOMPAKT) 37° MIT KONTERSECHSKANT (UNF GEWINDE NACH SAE J516 / ISO 12151-5, VORGEKRIMPT MUTTER) FEMMINA JIC CONO 37° DOPPIO ESAGONO - SAE J516 / ISO 12151-5 (DADO PRESSATO COMPATTO) | 172 |
| M22712K  | JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (THRUST-WIRE COMPACT NUT) JIC 内螺纹 37° 锥形底座双六角螺母 - SAE J516 / ISO 12151-5 (带扣压-支撑紧凑型螺母) DKJ KOMPAKT 37° DK MIT KONTERSECHSKANT (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC CONO 37° DOPPIO ESAGONO SAE J516 / ISO 12151-5 (DADO SPINATO COMPATTO) | 173 |
| M22712  | JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) JIC 内螺纹 37° 锥形底座双六角螺母 - SAE J516 / ISO 12151-5 (带止推金属丝紧凑型螺母) DKJ 37° DK MIT KONTERSECHSKANT (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC CONO 37° DOPPIO ESAGONO SAE J516 / ISO 12151-5 (DADO SPINATO) | 174 |
| M22592  | 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC 90° CONO 37° SAE J516 / ISO 12151-5 (DADO SPINATO) | 175 |
| M22593  | 90° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT) 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母) DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER) FEMMINA JIC 90° CONO 37° SAE J516 / ISO 12151-5 (DADO PASSANTE) | 175 |
| M24792  | 90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 90° JIC 内螺纹加长弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC 90° CONO 37° CURVA LUNGA - SAE J516 / ISO 12151-5 (DADO SPINATO) | 176 |
| M24793  | 90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT) 90° JIC 内螺纹加长弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母) DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER) FEMMINA JIC 90° CONO 37° CURVA LUNGA - SAE J516 / ISO 12151-5 (DADO PASSANTE) | 176 |
| M22542  | 45° JIC FEMALE SWEEP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 45° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO) | 177 |

VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| M22543 |  <p>45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT) 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母) DKJ 45° BOGEN 37° DICHTKOPF (UND-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER) FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO PASSANTE)</p> | 177 |
| M22582F |  <p>90° JIC FEMALE COMPACT ELBOW 37° CONE SEAT SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 90° JIC 内螺纹紧凑型弯头 (37° 锥形底座) SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 90° KOMPAKT BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER) FEMMINA JIC 90° TIPO COMPATTO CONO 37° SAE J516 / ISO 12151-5 (DADO SPINATO)</p> | 178 |
| ORFS | | |
| M12410 |  <p>ORFS MALE - SAE J516 / ISO 12151-1 ORFS 外螺纹 - SAE J516 / ISO 12151-1 ORFS AUSSENGEWINDE NACH SAE J516 / ISO 12151-1 MASCHIO ORFS - SAE J516 / ISO 12151-1</p> | 178 |
| M22411 |  <p>ORFS FEMALE - SAE J516 / ISO 12151-1 PULLBACK TYPE (CRIMPED BACK-NUT) ORFS 内螺纹 - SAE J516 / ISO 12151-1 回拉式 (带扣压-支撑螺母) ORFS IG - SAE J516 / ISO 12151-1 RÜCKZUGSAUSFÜHRUNG (VERPRESSTE MUTTER) FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE RETRAIBILE (DADO PRESSATO)</p> | 179 |
| M27411 |  <p>ORFS FEMALE - SAE J516 / ISO 12151-1 SHORT TYPE (CRIMPED BACK-NUT) ORFS 内螺纹 - SAE J516 / ISO 12151-1 短型 (带扣压-支撑螺母) ORFS VERPRESSTE MUTTER - SAE J516 / ISO 12151-1 KURZE AUSFÜHRUNG (CRIMPED BACK-NUT) FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE CORTA (DADO PRESSATO)</p> | 180 |
| M22491 |  <p>90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT) 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母) DK 90° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, PRESSMUTTER) FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PRESSATO)</p> | 181 |
| M22493 |  <p>90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT) 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带滑套螺母) DK 90° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER) FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PASSANTE)</p> | 181 |
| M24493 |  <p>90° ORFS FEMALE LONG DROP ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT) 90° ORFS 内螺纹加长弯头 - SAE J516 / ISO 12151-1 (带滑套螺母) DK 90° BOGEN ORFS LANGE SCHENKEL (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER) FEMMINA ORFS A 90° CURVA LUNGA - SAE J516 / ISO 12151-1 (DADO PASSANTE)</p> | 182 |
| M22441 |  <p>45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK NUT) 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母) DK 45° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, PRESSMUTTER) FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PRESSATO)</p> | 183 |
| M22443 |  <p>45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT) 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带滑套螺母) DK 45° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER) FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PASSANTE)</p> | 183 |

| REFERENCE | DESCRIPTION | PAGE |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SAE | | |
| M13010 | SAE MALE O-RING BOSS TYPE - SAE J516 / ISO 11926 SAE 外螺纹 O形圈轮毂型 - SAE J516 / ISO 11926 AGJO SAE O-RING (UNF-GEWINDE NACH SAE J516 / ISO 11926) MASCHIO SAE O-RING - SAE J516 / ISO 11926 | 184 |
|  | | |
| M14310 | SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516 / ISO 11926 SAE 旋转外螺纹 O型圈轮毂型 - SAE J516 / ISO 11926 AGJO SAE O-RING DREHBAR (UNF-GEWINDE NACH SAE J516 / ISO 11926) MASCHIO SAE O-RING GIREVOLE - SAE J516 / ISO 11926 | 185 |
|  | | |
| M14390 | 90° SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516 / ISO 11926 90° SAE 旋转外螺纹 O型圈轮毂型 - SAE J516 / ISO 11926 AGJO 90° KOMPAKT BOGEN DREHBAR MIT O-RING (UNF-GEWINDE NACH SAE J516 / ISO 11926) MASCHIO SAE O-RING GIREVOLE 90° - SAE J516 / ISO 11926 | 186 |
|  | | |
| M22612 | SAE FEMALE 45° CONE SEAT - SAE J516/J512 (THRUST-WIRE NUT) SAE 内螺纹 45° 锥形底座 - SAE J516/J512 (带止推金属丝螺母) DKJ DICHTKOPF GERADE 45° KONUS (UNF-GEWINDE NACH J516/J512, GESTIFTETE MUTTER) FEMMINA SAE CONO 45° - SAE J516/J512 (DADO SPINATO) | 186 |
|  | | |
| M22692 | 90° SAE FEMALE SWEPT ELBOW 45° CONE SEAT - SAE J516/J512 (THRUST-WIRE NUT) 90° SAE 内螺纹 90° 弯头 45° 锥形底座 - SAE J516/J512 (带止推金属丝螺母) DKJ 90° BOGEN 45° KONUS (UNF-GEWINDE NACH SAE J516/J512, GESTIFTETE MUTTER) FEMMINA SAE 90° CONO 45° - SAE J516/J512 (DADO SPINATO) | 186 |
|  | | |
| NPTF-NPSM | | |
| M12810 | NPTF MALE 60° CONE SEAT - SAE J516/J514 NPTF 外螺纹 60° 锥形底座 - SAE J516/J514 AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514 MASCHIO NPTF CONO 60° - SAE J516/J514 | 187 |
|  | | |
| M14110R | NPTF SWIVEL MALE 60° CONE SEAT - SAE J516/J514 NPTF 旋转外螺纹 60° 锥形底座 - SAE J516/J514 AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514 MASCHIO NPTF CONO 60° GIREVOLE - SAE J516/J514 | 188 |
|  | | |
| M22812 | NPSM FEMALE 60° CONE - SAE J516/J514 (THRUST-WIRE NUT) NPSM 内螺纹 60° 锥形 - SAE J516/J514 (带止推金属丝螺母) DK NPSM 60° KONUS - SAE J516/J514 (NPTF-GEWINDE, GESTIFTETE MUTTER) FEMMINA NPSM CONO 60° - SAE J516/J514 (DADO SPINATO) | 188 |
|  | | |
| SAE FLANGE CODE 61/CODE 62 | | |
| M23311 | ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 189 |
|  | | |
| M23321 | 22,5° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 22,5° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 22,5° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 22,5° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 190 |
|  | | |

VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M23331  | 30° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 30° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 30° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 30° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 191 |
| M23341  | 45° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 45° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 192 |
| M23361  | 60° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 60° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 60° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 60° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 193 |
| M23371  | 67,5° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 67,5° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 67,5° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 67,5° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 194 |
| M23391  | 90° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 90° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 195 |
| M23391 LONG DROP  | 90° LONG DROP ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 90° 加长ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 90° LONG DROP ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 90° CURVA LUNGA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 196 |
| M23301P  | 110° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 110° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 110° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 110° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 196 |
| M23301S  | 125° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 125° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 125° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 125° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 197 |
| M23301T  | 135° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 135° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 135° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 135° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3 | 197 |
| M23611  | ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 FLANSCH - SAE J516/ISO 12151-3 FLANGIA ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 198 |
| M23691  | 90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 199 |
| M23641  | 45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 200 |



| REFERENCE | DESCRIPTION | PAGE |
|-----------|-------------|------|
|-----------|-------------|------|

DIN STANDARD CONNECTIONS

DIN STANDPIPE

| | | |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M22010  | METRIC STANDPIPE LIGHT DUTY - DIN 2353 / ISO 8434-1 公制立管轻型系列 - DIN 2353 / ISO 8434-1 BEL - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE SERIE LEGGERA - DIN 2353 / ISO 8434-1 | 201 |
| M22110  | METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1 公制立管重型系列 - DIN 2353 / ISO 8434-1 BES - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE SERIE PESANTE - DIN 2353 / ISO 8434-1 | 202 |
| M22090  | 90° METRIC STANDPIPE LIGHT DUTY - DIN 2353 / ISO 8434-1 90° 公制立管轻型系列 - DIN 2353 / ISO 8434-1 BEL 90° BOGEN - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE 90° SERIE LEGGERA - DIN 2353 / ISO 8434-1 | 203 |
| M22190  | 90° METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1 90° 公制立管重型系列 - DIN 2353 / ISO 8434-1 BES 90° BOGEN - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE 90° SERIE PESANTE - DIN 2353 / ISO 8434-1 | 203 |
| M22040  | 45° METRIC STANDPIPE LIGHT DUTY - DIN 2353 / ISO 8434-1 45° 公制立管轻型系列 - DIN 2353 / ISO 8434-1 BEL 45° BOGEN - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE 45° SERIE LEGGERA - DIN 2353 / ISO 8434-1 | 204 |
| M22140  | 45° METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1 45° 公制立管重型系列 - DIN 2353 / ISO 8434-1 BES 45° BOGEN - DIN 2353 / ISO 8434-1 ESTREMITÀ TUBOLARE 45° SERIE PESANTE - DIN 2353 / ISO 8434-1 | 204 |



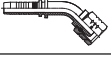








DIN METRIC 60° CONE

| | | |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M21013  | METRIC FEMALE 60° CONE - DIN 20078/3863 公制60°锥内螺纹 - DIN 20078/3863 DKM 60° KONUS - DIN 20078/3863 FEMMINA METRICA CONO 60° - DIN 20078/3863 | 205 |
| M21093  | 90° METRIC FEMALE SWEPT ELBOW 60° CONE - DIN 20078/3863 90°公制60°锥内螺纹巨肘弯头 - DIN 20078/3863 DKM 90° BOGEN 60° KONUS - DIN 20078/3863 FEMMINA METRICA 90° CONO 60° - DIN 20078/3863 | 205 |

DIN METRIC MULTISEAL








| | | |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M21312  | METRIC FEMALE MULTISEAL - DIN 20078/3868 (THRUST-WIRE NUT) 公制内螺纹组合密封 - DIN 20078/3868 (带止推金属螺母) DKL UNIVERSALKONUS - DIN 20078/3868 (GESTIFTETE MUTTER) FEMMINA METRICA CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO) | 206 |
| M21313  | METRIC FEMALE MULTISEAL - DIN 20078/3868 (SLIP-ON NUT) 公制内螺纹组合密封 - DIN 20078/3868 (带滑套螺母) DKL UNIVERSALKONUS - DIN 20078/3868 (HINTERLEGTE MUTTER) FEMMINA METRICA CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE) | 206 |

VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M21392  | 90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (THRUST-WIRE NUT) 90° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带止推金属丝螺母) DKL UNIVERSALKONUS 90° BOGEN - DIN 20078/3868 (GESTIFTETE MUTTER) FEMMINA METRICA 90° CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO) | 207 |
| M21393  | 90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (SLIP-ON NUT) 90° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带滑套螺母) DKL UNIVERSALKONUS 90° BOGEN - DIN 20078/3868 (HINTERLEGTE MUTTER) FEMMINA METRICA 90° CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE) | 207 |
| M21342  | 45° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (THRUST-WIRE NUT) HEMBRA METRICA CODO DE 45° ASIEN TO UNIVERSAL DIN 20078/3868 (TUERCA CON SEGURO) DKL UNIVERSALKONUS 45° BOGEN - DIN 20078/3868 (GESTIFTETE MUTTER) FEMMINA METRICA 45° CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO) | 208 |
| M21343  | 45° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (SLIP-ON NUT) 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带滑套螺母) DKL UNIVERSALKONUS 45° BOGEN - DIN 20078/3868 (HINTERLEGTE MUTTER) FEMMINA METRICA 45° CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE) | 208 |
| DIN METRIC 24° CONE LIGHT TYPE | | |
| M11110  | METRIC MALE 24° CONE SEAT LIGHT DUTY - DIN 20066 / ISO 12151-2 公制外螺纹 24° 锥形底座轻型系列 DIN 20066 / ISO 12151-2 CEL - DIN 20066 / ISO 12151-2 MASCHIO METRICO 24° SERIE LEGGERA - DIN 20066 / ISO 12151-2 | 209 |
| M21512  | METRIC O-RING FEMALE 24° CONE LIGHT DUTY - DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 公制内螺纹 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOL - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO SPINATO) | 210 |
| M21513  | METRIC O-RING FEMALE 24° CONE LIGHT DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 公制内螺纹 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOL - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 210 |
| M21592  | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOL 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO SPINATO) | 211 |
| M21593  | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOL 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 211 |
| M21542  | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOL 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO SPINATO) | 212 |
| M21543  | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOL 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 212 |



| REFERENCE | DESCRIPTION | PAGE |
|-----------|-------------|------|
|-----------|-------------|------|

DIN METRIC 24° CONE HEAVY TYPE

| | | |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M11210  | METRIC MALE 24° CONE SEAT HEAVY DUTY - DIN 20066 / ISO 12151-2 公制外螺纹 24° - 锥形底座重型系列 DIN 20066 / ISO 12151-2 CES - DIN 20066 / ISO 12151-2 MASCHIO METRICO 24° - SERIE PESANTE DIN 20066 / ISO 12151-2 | 213 |
| M21612  | METRIC O-RING FEMALE 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 公制内螺纹 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOS - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 214 |
| M21613  | METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 公制内螺纹 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 214 |
| M21692  | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 215 |
| M21693  | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 215 |
| M21642  | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 216 |
| M21643  | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 216 |

NF STANDARD CONNECTIONS



FRENCH MILLIMETRIC TYPE

| | | |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M11710  | FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE 法国外螺纹 24° 锥形底座毫米公制型 AGFM 24° INNENKONUS (FR. REIHE MILL.) MASCHIO METRICO 24° SERIE MILLIMETRICA FRANCESE | 217 |
| M21713  | FRENCH METRIC FEMALE MILLIMETRIC TYPE (SLIP-ON NUT) 法国内螺纹锥毫米公制型 (滑套螺母) DKFM (FR. REIHE MILL., HINTERLEGTE MUTTER) FEMMINA METRICA SERIE MILLIMETRICA FRANCESE (DADO PASSANTE) | 217 |

FRENCH GAZ TYPE

| | | |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M11810  | FRENCH METRIC MALE 24° CONE SEAT GAZ TYPE 法国外螺纹 24° 锥形底座 GAZ型 AGF 24° INNENKONUS (FR. REIHE GAS) MASCHIO METRICO 24° SERIE GAZ FRANCESE | 217 |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

VISUAL INDEX


| REFERENCE | DESCRIPTION | PAGE |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M21813 | FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT) 法国内螺纹公制 GAZ型 (滑套螺母) DKF (FR. REIHE GAS, HINTERLEGTE MUTTER) FEMMINA METRICA SERIE GAZ FRANCESE (DADO PASSANTE) | 218 |
|  | | |
| M21893 | 90° FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT) 90° 法国公制内螺纹 GAZ型 (滑套螺母) DKF 90° BOGEN (FR. REIHE MILL., HINTERLEGTE MUTTER) FEMMINA METRICA 90° SERIE GAZ FRANCESE (DADO PASSANTE) | 218 |
|  | | |

JIS STANDARD CONNECTIONS

| | | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M24011 | JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) JIS B 8363 (CRIMPED-BACK NUT) JIS 公制内螺纹 60° 锥形底座 (小松标准) JIS B 8363 (扣压-支撑螺母) DK KOMATSU MIT 60° KONUS (NACH JIS B 8363, PRESSMUTTER) FEMMINA METRICA GIAPPONESE CONO 60° TIPO KOMATSU JIS B 8363 (DADO PRESSATO) | 219 |
|  | | |
| M24012 | JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) JIS B 8363 (THRUST-WIRE NUT) JIS 公制内螺纹 60° 锥形底座 (小松标准) JIS B 8363 (带止推金属丝螺母) DK KOMATSU MIT 60° KONUS (NACH JIS B 8363, GESTIFTETE MUTTER) FEMMINA METRICA GIAPPONESE CONO 60° TIPO KOMATSU JIS B 8363 (DADO SPINATO) | 219 |
|  | | |
| M23811 | JIS BSP FEMALE 60° CONE SEAT (TOYOTA) - JIS B 8363 (CRIMPED-BACK NUT) HEMBRA JIS BSP ASIENITO A 60° (TOYOTA) - JIS B 8363 (TUERCA PRENSADA) DK TOYOTA MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, PRESSMUTTER) FEMMINA GAS GIAPPONESE CONO 60° TIPO TOYOTA JIS B 8363 (DADO PRESSATO) | 220 |
|  | | |
| M20711 | JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (CRIMPED-BACK NUT) JIS BSP 英制内螺纹 60° 锥 (尼桑标准) - JIS B 8363 (带扣压-支撑螺母) DK NISSAN MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, PRESSMUTTER) FEMMINA GIAPPONESE CONO 60° TIPO NISSAN JIS B 8363 (DADO PRESSATO) | 220 |
|  | | |
| M20712 | JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (THRUST-WIRE NUT) JIS BSP 英制内螺纹 60° 锥 (尼桑标准) - JIS B 8363 (带止推金属丝螺母) DK NISSAN MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, GESTIFTETE MUTTER) FEMMINA GIAPPONESE CONO 60° TIPO NISSAN JIS B 8363 (DADO SPINATO) | 220 |
|  | | |

ORIGINAL EQUIPMENT CONNECTIONS

KOMATSU, POCLAIN, SUPERCAT FLANGES

| | | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------|
| M24111 | STRAIGHT KOMATSU FLANGE 直式小松法兰 FLANSCH GERADE KOMATSU FLANGIA DITTA SERIE KOMATSU | 221 |
|  | | |
| M24191 | 90° KOMATSU FLANGE 90° 度小松法兰 FLANSCH 90° BOGEN KOMATSU FLANGIA 90° SERIE KOMATSU | 221 |
|  | | |
| M24141 | 45° KOMATSU FLANGE 45° 度小松法兰 FLANSCH 45° BOGEN KOMATSU FLANGIA 45° SERIE KOMATSU | 221 |
|  | | |

| REFERENCE | DESCRIPTION | PAGE |
|---------------|-------------------------------------------------------------------------------------------------------|------------|
| M23911 | STRAIGHT SUPERCAT FLANGE 山猫直式法兰 FLANSCH GERADE SUPERCAT FLANGIA DRIITA SERIE SUPERCAT | 222 |
| M23991 | 90° SUPERCAT FLANGE 90° 度山猫法兰 FLANSCH 90° BOGEN SUPERCAT FLANGIA 90° SERIE SUPERCAT | 222 |
| M23941 | 45° SUPERCAT FLANGE 45° 度山猫法兰 FLANSCH 45° BOGEN SUPERCAT FLANGIA 45° SERIE SUPERCAT | 222 |

BANJO CONNECTIONS

| | | |
|---------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| O20310 | BSP BANJO BSP 绞接式接头 RINGNIPPEL, ZÖLLIG (BSP GEWINDE) OCCHIELLO GAS | 223 |
| O20910 | METRIC BANJO - DIN 7642 公制绞接式 - DIN 7642 RINGNIPPEL, METRISCH - DIN 7642 OCCHIELLO METRICO - DIN 7642 | 223 |

ACCESSORIES

| | | |
|---------------|--------------------------------------------------------------------------------------------------------------------------|------------|
| M..IP | BRAZING TAIL 铜焊接头插芯 EINLÖTNIPEL INSERTO A SILDARE | 224 |
| M10050 | DOUBLE CONNECTOR 双插芯接头 SCHLAUCHVERBINDER - DOPPELNIPEL DOPPIO INSERTO | 225 |
| O80210 | BSP BOLT BSP 螺栓 HOHLSCHRAUBE ZÖLLIG VITE GAS FORATA | 226 |
| O80810 | METRIC BOLT - DIN 7643 公制螺栓 - DIN 7643 HOHLSCHRAUBE - METRISCH - DIN 7643 VITE METRICA FORATA - DIN 7643 | 226 |

VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| MF2000® INTERLOCK PLUS TYPE FERRULE | | |
| M01500 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY) 重型缠绕软管 (四层) 双面剥胶套筒 PRESSFASSUNG INNEN- UND AUSSENSCHÄLUNG FÜR HÖCHSTDRUCKSCHLÄUCHE (4 PLY) GHIERA PER TUBI SPIRALATI CON DOPPIA PELATURA (4 SPIRALI) | 227 |
| M01600 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (6 PLY) 重型缠绕软管 (6层) 双面剥胶套筒 PRESSFASSUNG INNEN- UND AUSSENSCHÄLUNG FÜR HÖCHSTDRUCKSCHLÄUCHE (6 PLY) GHIERA PER TUBI SPIRALATI CON DOPPIA PELATURA (6 SPIRALI) | 227 |
| M01800 | DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY) 超重型缠绕软管 (六层) 双面剥胶套筒 PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (6 PLY) GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI (6 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE | 227 |









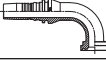

MF2000® INTERLOCK PLUS TYPE INSERT BS STANDARD CONNECTIONS

| | | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M30510 | BSP MALE PARALLEL 60° CONE SEAT - BS5200 / ISO 8434-6 BSP 平行外螺纹 60° 锥形底座 - BS5200 / ISO 8434-6 AGR 60° INNENKONUS - BS5200/ISO 8464-6 MASCHIO GAS CILINDRICO CONO 60° - BS5200 / ISO 8434-6 | 228 |
| M40812 | BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT) BSP O型圈内螺纹 60° 锥 - BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER) FEMMINA GAS CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO) | 228 |
| M40892 | 90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 90° O型圈内螺纹BSP内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 90° BOGEN 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER) FEMMINA GAS 90° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO) | 229 |
| M40842 | 45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT) 45° O型圈内螺纹BSP内螺纹巨肘弯头 (60° 锥) BS5200 / ISO 12151-6 (带止推金属丝螺母) DKOR 45° BOGEN 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER) FEMMINA GAS 45° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO) | 229 |


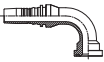



SAE STANDARD CONNECTIONS

NPTF/JIC







| | | |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M32810 | NPTF MALE 60° CONE SEAT - SAE J516/J514 NPTF 外螺纹 60° 锥形底座 - SAE J516/J514 AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514 MASCHIO NPTF CONO 60° - SAE J516/J514 | 230 |
| M42512 | JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带止推金属丝螺母) JDKJ 37° KONUS - SAE J516 / ISO 12151-5 (KONTERSECHSKANT UND STIFTMUTTER) FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO) | 230 |
| M42592 | 90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母) JDKJ 90° BOGEN, 37° KONUS - SAE J516 / ISO 12151-5 (STIFTMUTTER) FEMMINA JIC 90° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO) | 231 |

| REFERENCE | DESCRIPTION | PAGE |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| M42542 |  <p>45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT) 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母) DKJ 45° BOGEN 37° KONUS - SAE J516 / ISO 12151-5 (STIFTMUTTER) FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)</p> | 231 |
| ORFS | | |
| M42411 |  <p>ORFS FEMALE - SAE J516 / ISO 12151-1 PULLBACK TYPE (CRIMPED BACK-NUT) ORFS 内螺纹 - SAE J516 / ISO 12151-1 回拉式 (带扣压-支撑螺母) ORFS IG - SAE J516 / ISO 12151-1 RÜCKZUGSAUSFÜHRUNG (VERPRESSTE MUTTER) FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE RETRAIBILE (DADO PRESSATO)</p> | 232 |
| M42412 |  <p>ORFS FEMALE - SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE NUT) ORFS 内螺纹 - SAE J516 / ISO 12151-1 重型 (带止推金属丝螺母) ORFS MUTTER GESTIFTET - SAE J516 / ISO 12151-1 SCHWERE REIHE (THRUST-WIRE NUT) FEMMINA ORFS - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)</p> | 232 |
| M42491 |  <p>90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT) 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母) 90° ORFS BOGEN (VERPRESSTE MUTTER) - SAE J516 / ISO 12151-1 FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PRESSATO)</p> | 233 |
| M42492 |  <p>90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE-NUT) 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 重型 (带止推金属丝螺母) 90° ORFS BOGEN - SCHWERE REIHE SAE J516 / ISO 12151-1 (GESHTFETE MUTTER) FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)</p> | 233 |
| M42441 |  <p>45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT) 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母) DK ORFS 45° - SAE J516 / ISO 12151-1 (PRESSMUTTER) FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PRESSATO)</p> | 234 |
| M42442 |  <p>45° ORFS FEMALE SWEPT ELBOW SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE-NUT) 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 重型 (带止推金属丝螺母) 45° ORFS BOGEN (GESHTFETE MUTTER) - SAE J516 / ISO 12151-1 FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)</p> | 234 |
| SAE FLANGE CODE 61/CODE 62 | | |
| M43310 |  <p>ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 SAE FLANSCH GERADE 3000 PSI (NACH SAE J516/J518) FLANGIA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3</p> | 235 |
| M43390 |  <p>90° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 SAE FLANSCH 90° BOGEN - SAE J516 / ISO 12151-3 FLANGIA 90° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3</p> | 235 |
| M43340 |  <p>45° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3 SAE FLANSCH 45° BOGEN - SAE J516 / ISO 12151-3 FLANGIA 45° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3</p> | 236 |

VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M43610  | ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 236 |
| M43690  | 90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 237 |
| M43640  | 45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 237 |
| M43630  | 30° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 30° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 30° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 30° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 238 |
| M43660  | 60° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 60° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 60° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3 FLANGIA 60° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 238 |

ORIGINAL EQUIPEMENT CONNECTIONS

| | | |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M43710  | FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 法兰增强式 (SAE J518 CODE 62 - ISO 6162-2 端口兼容) GERADER FLANSCH SCHWERE REIHE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) FLANGIA PLUS (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 239 |
| M43740  | 45° FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 45° 法兰增强式 (SAE J518 CODE 62 - ISO 6162-2 端口兼容) 45°-BOGEN FLANSCH SCHWERE REIHE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) FLANGIA PLUS 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 239 |
| M43790  | 90° FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 90° 法兰增强式 (SAE J518 CODE 62 - ISO 6162-2 端口兼容) 90°-BOGEN FLANSCH SCHWERE REIHE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) FLANGIA PLUS 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 239 |
| M43910  | STRAIGHT SUPERCAT SERIES FLANGE 山猫系列直式法兰 FLANSCH GERADE SUPERCAT FLANGIA DRITTA SERIE SUPERCAT | 240 |
| M43920  | 22,5° SUPERCAT SERIES FLANGE 22,5° 山猫系列法兰 22,5° FLANSCH SERIE SUPERCAT FLANGIA 22,5° SERIE SUPERCAT | 240 |
| M43930  | 30° SUPERCAT SERIES FLANGE 30° 山猫系列法兰 30° FLANSCH SERIE SUPERCAT FLANGIA 30° SERIE SUPERCAT | 241 |

| REFERENCE | DESCRIPTION | PAGE |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|
| M43940 | 45° SUPERCAT SERIES FLANGE 45° 山猫系列法兰 FLANSCH 45° BOGEN SUPERCAT FLANGIA 45° SERIE SUPERCAT | 241 |
| M43960 | 60° SUPERCAT SERIES FLANGE 60° 山猫系列法兰 60° FLANSCH SERIE SUPERCAT FLANGIA 60° SERIE SUPERCAT | 242 |
| M43970 | 67,5° SUPERCAT SERIES FLANGE 67,5° 山猫系列法兰 67,5° FLANSCH SERIE SUPERCAT FLANGIA 67,5° SERIE SUPERCAT | 242 |
| M43990 | 90° SUPERCAT SERIES FLANGE 90° 加长山猫系列法兰 FLANSCH 90° BOGEN SUPERCAT FLANGIA 90° SERIE SUPERCAT | 243 |
| M43990 LONG DROP | 90° LONG DROP SUPERCAT SERIES FLANGE 90° 加长山猫系列法兰 90° LONG DROP FLANSCH SERIE SUPERCAT FLANGIA 90° SERIE SUPERCAT CURVA LUNGA | 243 |

XTRAFRANGE




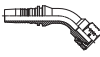
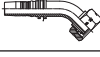





| | | |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M48510 | XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) XTRAFRANSCH GERADE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFRANGIA (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 244 |
| M48540 | 45° XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 45° XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) 45°-BOGEN XTRAFRANSCH (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFRANGIA 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 244 |
| M48590 | 90° XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 90° XTRAFRANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) XTRAFRANSCH 90° BOGEN (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFRANGIA 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 244 |

DIN STANDARD CONNECTIONS

DIN METRIC 24° CONE HEAVY TYPE

| | | |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M31210 | METRIC MALE 24° CONE SEAT HEAVY DUTY - DIN 20066 / ISO 12151-2 公制外螺纹 24° 锥形底座重型系列 - DIN 20066 / ISO 12151-2 CES - DIN 20066 / ISO 12151-2 MASCHIO METRICO 24° - SERIE PESANTE DIN 20066 / ISO 12151-2 | 245 |
| M41612 | METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 公制内螺纹 24° 锥形O型圈重型系列 - DIN 20066 / ISO 12151-2 (带止推金属螺母) DKOS - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 245 |

VISUAL INDEX









| REFERENCE | DESCRIPTION | PAGE |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| | 30° SUPERCAT SERIES FLANGE 30° 山猫系列法兰 30° FLANSCH SERIE SUPERCAT FLANGIA 30° SERIE SUPERCAT | |
| M41613 | METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 公制内螺纹 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 245 |
|  | | |
| M41692 | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 246 |
|  | | |
| M41693 | 90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 246 |
|  | | |
| M41642 | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带止推金属丝螺母) DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO) | 247 |
|  | | |
| M41643 | 45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带滑套螺母) DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 247 |
|  | | |
| M41293 | 90° METRIC O-RING FEMALE MEDIUM/LONG DROP ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 90° 公制内螺纹中型/加长弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带滑套螺母) 90° O-RING METRISCH M RÜCKBOGEN 24° KONUS H.T. DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA O-RING SERIE PESANTE CONO 24° CURVA 90° MEDIO/LUNGA DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 248 |
|  | | |
| M41243 | 45° METRIC O-RING FEMALE MEDIUM/LONG DROP ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2 (SLIP-ON NUT) 45° 公制内螺纹中型/加长弯头 24° 锥带O型圈重型系列 - DIN 20066 / ISO 12151-2 (带滑套螺母) 45° O-RING METRISCH M RÜCKBOGEN 24° KONUS H.T. DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER) FEMMINA METRICA O-RING SERIE PESANTE CONO 24° CURVA 45° MEDIO/LUNGA DIN 20066 / ISO 12151-2 (DADO PASSANTE) | 248 |
|  | | |
| ACCESSORIES | | |
| M30050 | DOUBLE CONNECTOR 双插芯接头 DOPPELVERBINDER DOPPIO INSERTO | 249 |
|  | | |
| M49510WL | WELDING TAIL 焊接插芯 SCHWEISSENDE INSERTO A SALDARE | 249 |
|  | | |
| JO29 | OPTIONAL INTERLOCK PLUS O-RING 可选内锁增强式O型圈 OPTIONAL INTERLOCK PLUS O-RING O-RING INTERLOCK PLUS OPZIONALE | 249 |
|  | | |

| REFERENCE | DESCRIPTION | PAGE |
|-----------|-------------|------|
|-----------|-------------|------|

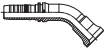
MF2000® XTRALOCK TYPE FERRULE

| | | |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M01750  | DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (4 PLY) 超重型缠绕软管 (四层) 双面剥胶套筒 PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (4-LAGIG) GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI (4 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE | 250 |
| M01800  | DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY) 超重型缠绕软管 (六层) 双面剥胶套筒 PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (6-LAGIG) GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI (6 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE | 250 |






MF2000® XTRALOCK TYPE INSERTS

| | | |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M52810/M57810  | NPTF MALE 60° CONE SEAT - SAE J516/J514 NPTF 外螺纹 60° 锥形底座 - SAE J516/J514 AG NPTF KONUS 60° - SAE J516/J514 MASCHIO NPTF CONO 60° - SAE J516/J514 | 251 |
| M68610  | ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO12151-3 FLANGIA DTRITA SAE CODE 62 - SAE J516 / ISO 12151-3 | 251 |
| M68690  | 90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 90° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO12151-3 FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 252 |
| M68640  | 45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3 45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO12151-3 FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3 | 252 |
| M53410  | API MALE WITH HEXAGONAL BODY (API 5B THREAD) 六角形 API 外螺纹接头 (API 5B 螺纹) VERBINDER API SECHSKANT (API 5B GEWINDE) MASCHIO API CON CORPO ESAGONALE (FILETTATURA API 5B) | 253 |
| M53410...H00  | API MALE WITH CYLINDRICAL BODY (API 5B THREAD) 圆柱形 API 外螺纹接头 (API 5B 螺纹) VERBINDER API ZYLINDRISCH API 5B (API 5B GEWINDE) MASCHIO API CON CORPO CILINDRICO (FILETTATURA API 5B) | 253 |
| M53510  | NPT MALE NPT 外螺纹 NPT-SCHRAUBVERBINDUNG NPT MASCHIO | 253 |
| M68510  | XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) XTRAFLLANSCH GERADE (SAE J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFLLANGIA (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 254 |
| M68590  | 90° XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 90° XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) XTRAFLLANSCH 90° BOGEN (J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFLLANGIA 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 254 |




VISUAL INDEX

| REFERENCE | DESCRIPTION | PAGE |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M68540  | 45° XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE) 45° XTRAFLLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容) XTRAFLLANSCH 45° BOGEN (SAE J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS) XTRAFLLANGIA 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2) | 254 |

ACCESSORIES

| | | |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| O83308  | ISO/SAE CODE 61 SPLIT FLANGE CLAMPS - SAE J518 / ISO 6162-1 ISO/SAE CODE 61 分片法兰管夹 - SAE J518 / ISO 6162-1 ISO/SAE CODE 61 GETEILTE FLANSCHHÄLFTEN - SAE J518 / ISO 6162-1 SEMIFLANGIA ISO/SAE CODE 61- SAE J518 / ISO 6162-1 | 255 |
| O83609  | ISO/SAE CODE 62 SPLIT FLANGE CLAMPS - SAE J518 / ISO 6162-2 ISO/SAE CODE 62 分片法兰管夹 - SAE J518 / ISO 6162-2 ISO/SAE CODE 62 GETEILTE FLANSCHHÄLFTEN - SAE J518 / ISO 6162-2 SEMIFLANGIA ISO/SAE CODE 62 - SAE J518 / ISO 6162-2 | 255 |
| O83607  | ONE-PIECE FLANGE CLAMP ISO 6162-2 / SAE J518 CODE 62 整片法兰管夹 - ISO 6162-2 / SAE J518 VOLLFLANSCH - ISO 6162-2 / SAE J518 CODE 62 SEMIFLANGIA INTERA - ISO 6162-2 / SAE J518 CODICE 62 | 256 |
| O88507  | ONE-PIECE XTRAFLLANGE CLAMP ISO 6162-2 / SAE J518 CODE 62 PORT COMPATIBLE 整片 XTRAFLLANGE 管夹 ISO 6162-2 / SAE J518 CODE 62 端口兼容 VOLLFLANSCH FÜR XTRAFLLANSCH ISO 6162-2 / SAE J518 CODE 62 KOMPATIBLER ANSCHLUSS SEMIFLANGIA INTERA XTRAFLLANGIA ISO 6162-2 / SAE J518 COMPATIBILE CON PORTA CODE 62 | 256 |
| O820..  | ANTI-KINK SLEEVE 抗扭曲套筒 ABKNICKSCHUTZ-FÜHRUNG CHIERA ANTI-KINK | 257 |

MF2000® PUSH-LOCK TYPE INSERT BS STANDARD CONNECTIONS

| | | |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| L10510  | BSP MALE PARALLEL 60° CONE SEAT - BS5200/ISO 8434-6 BSP 平行外螺纹 (60° 锥形底座) - BS5200/ISO 8434-6 AGR 60° INNENKONUS (BSP-GEWINDE) - BS5200/ISO 8434-6 MASCHIO GAS CILINDRICO - BS5200/ISO 8434-6 | 260 |
| L20513  | BSP FEMALE 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT) BSP 内螺纹 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母) DKR 90° KONUS (BSP-GEWINDE) - HINTERLEGTE MUTTER BS5200/ISO 12151-6 FEMMINA GAS CONO 90° - BS5200/ISO 12151-6 (DADO PASSANTE) | 260 |
| L20593  | 90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT) 90° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母) DKR 90° BOGEN 60° KONUS (BSP-GEWINDE) - BS5200/ISO 12151-6 (HINTERLEGTE MUTTER) FEMMINA GAS CONO 60° - BS5200/ISO 12151-6 (DADO PASSANTE) | 261 |
| L20543  | 45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT) 45° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母) DKR 45° BOGEN 60° KONUS (BSP-GEWINDE) - BS5200/ISO 12151-6 (HINTERLEGTE MUTTER) FEMMINA GAS 45° CONO 60° - BS5200/ISO 12151-6 (DADO PASSANTE) | 261 |

| REFERENCE | PAGE |
|---------------|---------|
| JO29 | 249 |
| L10510 | 260 |
| L20513 | 260 |
| L20543 | 261 |
| L20593 | 261 |
| M00110/M00120 | 157 |
| M00310 | 159 |
| M00820/M00830 | 159 |
| M00910/M00920 | 157 |
| M01500 | 227 |
| M01600 | 227 |
| M01750 | 250 |
| M01800 | 227/250 |
| M03400 | 158 |
| M10050 | 225 |
| M10510 | 161 |
| M10610 | 168 |
| M10710 | 160 |
| M11110 | 209 |
| M11210 | 213 |
| M11710 | 217 |
| M11810 | 217 |
| M12410 | 178 |
| M12510 | 170 |
| M12810 | 187 |
| M13010 | 184 |
| M14110R | 188 |
| M14310 | 185 |
| M14390 | 186 |
| M20512 | 162 |
| M20513 | 162 |
| M20542 | 164 |
| M20543 | 164 |
| M20592 | 163 |

| REFERENCE | PAGE |
|-----------|------|
| M20593 | 163 |
| M20612 | 169 |
| M20613 | 169 |
| M20711 | 220 |
| M20712 | 220 |
| M20812 | 165 |
| M20813 | 165 |
| M20842 | 167 |
| M20843 | 167 |
| M20882F | 168 |
| M20892 | 166 |
| M20893 | 166 |
| M21013 | 205 |
| M21093 | 205 |
| M21312 | 206 |
| M21313 | 206 |
| M21342 | 208 |
| M21343 | 208 |
| M21392 | 207 |
| M21393 | 207 |
| M21512 | 210 |
| M21513 | 210 |
| M21542 | 212 |
| M21543 | 212 |
| M21592 | 211 |
| M21593 | 211 |
| M21612 | 214 |
| M21613 | 214 |
| M21642 | 216 |
| M21643 | 216 |
| M21692 | 215 |
| M21693 | 215 |
| M21713 | 217 |
| M21813 | 218 |

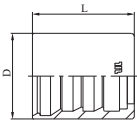
| REFERENCE | PAGE |
|-----------|------|
| M21893 | 218 |
| M22010 | 201 |
| M22040 | 204 |
| M22090 | 203 |
| M22110 | 202 |
| M22140 | 204 |
| M22190 | 203 |
| M22411 | 179 |
| M22441 | 183 |
| M22443 | 183 |
| M22491 | 181 |
| M22493 | 181 |
| M22512 | 171 |
| M22513 | 171 |
| M22542 | 177 |
| M22543 | 177 |
| M22582F | 178 |
| M22592 | 175 |
| M22593 | 175 |
| M22612 | 186 |
| M22692 | 186 |
| M22711 | 172 |
| M22711K | 172 |
| M22712 | 174 |
| M22712K | 173 |
| M22812 | 188 |
| M23301P | 196 |
| M23301S | 197 |
| M23301T | 197 |
| M23311 | 189 |
| M23321 | 190 |
| M23331 | 191 |
| M23341 | 192 |
| M23361 | 193 |

INDEX

| REFERENCE | PAGE |
|------------------|------|
| M23371 | 194 |
| M23391 | 195 |
| M23391 LONG DROP | 196 |
| M23611 | 198 |
| M23641 | 200 |
| M23691 | 199 |
| M23811 | 220 |
| M23911 | 222 |
| M23941 | 222 |
| M23991 | 222 |
| M24011 | 219 |
| M24012 | 219 |
| M24111 | 221 |
| M24141 | 221 |
| M24191 | 221 |
| M24493 | 182 |
| M24792 | 176 |
| M24793 | 176 |
| M27411 | 180 |
| M30050 | 249 |
| M30510 | 228 |
| M31210 | 245 |
| M32810 | 230 |
| M40812 | 228 |
| M40842 | 229 |
| M40892 | 229 |
| M41243 | 248 |
| M41293 | 248 |
| M41612 | 245 |
| M41613 | 245 |
| M41642 | 247 |
| M41643 | 247 |
| M41692 | 246 |
| M41693 | 246 |

| REFERENCE | PAGE |
|------------------|------|
| M42411 | 232 |
| M42412 | 232 |
| M42441 | 234 |
| M42442 | 234 |
| M42491 | 233 |
| M42492 | 233 |
| M42512 | 230 |
| M42542 | 231 |
| M42592 | 231 |
| M43310 | 235 |
| M43340 | 236 |
| M43390 | 235 |
| M43610 | 236 |
| M43630 | 238 |
| M43640 | 237 |
| M43660 | 238 |
| M43690 | 237 |
| M43710 | 239 |
| M43740 | 239 |
| M43790 | 239 |
| M43910 | 240 |
| M43920 | 240 |
| M43930 | 241 |
| M43940 | 241 |
| M43960 | 242 |
| M43970 | 242 |
| M43990 | 243 |
| M43990 LONG DROP | 243 |
| M48510 | 244 |
| M48540 | 244 |
| M48590 | 244 |
| M49510WL | 249 |
| M52810/M57810 | 251 |
| M53410 | 253 |

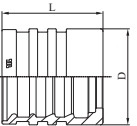
| REFERENCE | PAGE |
|--------------|------|
| M53410...H00 | 253 |
| M53510 | 253 |
| M68510 | 254 |
| M68540 | 254 |
| M68590 | 254 |
| M68610 | 251 |
| M68640 | 252 |
| M68690 | 252 |
| M..IP | 224 |
| O820.. | 257 |
| O20310 | 223 |
| O20910 | 223 |
| O80210 | 226 |
| O80810 | 226 |
| O83308 | 255 |
| O83607 | 256 |
| O83609 | 255 |
| O88507 | 256 |



M00110/M00120

SKIVE FERRULE FOR WIRE BRAID HOSES
 钢丝编织管剥胶套筒
 SCHÄLFASSUNG FÜR STAHLGEFLECHTSCHLÄUCHE
 GHIERA PER TUBI TRECCIATI CON PELATURA

| 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 | 1" | - 32 | 70,0 | 72,0 | | | | |



M00910/M00920

SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES
 钢丝编织/缠绕管剥胶套筒
 SCHÄLFASSUNG FÜR STAHLGEFLECHT- UND SPIRALSCHLÄUCHE
 GHIERA PER TUBI TRECCIATI E SPIRALATI CON PELATURA

| 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 | | | | |

FERRULE

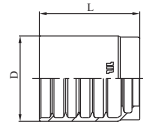
M03400

NO-SKIVE FERRULE FOR WIRE BRAID HOSES

钢丝编织管不剥胶套筒

NICHT-SCHÄLFASSUNG FÜR STAHLGEFLECHTSCHLÄUCHE

GHIERA PER TUBI TRECCIATI SENZA PELATURA

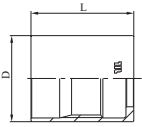


| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|---------|------|------------------|------|--|--|--|--|
| | DN | inch | Size | D | L | | | | |
| M03400-03 | 5 | 3/16" | - 03 | 21,0 | 23,0 | | | | |
| M03400-04 | 6 | 1/4" | - 04 | 23,0 | 30,1 | | | | |
| M03400-05 | 8 | 5/16" | - 05 | 24,0 | 30,0 | | | | |
| M03400-06 | 10 | 3/8" | - 06 | 26,0 | 31,1 | | | | |
| M03400-08 | 12 | 1/2" | - 08 | 29,0 | 33,4 | | | | |
| 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 | 57,2 | | | | |
| M03400-24 | 38 | 1.1/2" | - 24 | 67,0 | 64,8 | | | | |
| M03400-32 | 51 | 2" | - 32 | 80,0 | 68,3 | | | | |
| M03400-38 | 60 | 2.3/8" | - 38 | 82,5 | 69,0 | | | | |
| M03400-40 | 63 | 2. 1/2" | - 40 | 88,2 | 68,8 | | | | |
| M03400-48 | 76 | 3" | - 48 | 103,0 | 75,0 | | | | |

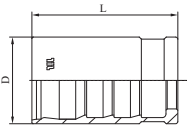
! Available no-skive ferrule for one braid hoses for DN 6 (M03100-04) and DN 10 (M03100-06).
 可为单层钢丝编织管提供不剥胶套筒 DN 6 (M03100-04) 和 DN 10 (M03100-06).
 Verfügbar hülsen ohne abschälen für 1-drahtgeflechschläuche für DN 6 (M03100-04) und DN 10 (M03100-06)
 Disponibile ghiera per tubi a una treccia senza pelatura per DN 6 (M03100-04) e DN 10 (M03100-06).

M00310

NO-SKIVE FERRULE FOR TEXTILE BRAID HOSES
 棉线编织管不剥胶套筒
 NICHT-SCHÄLFASSUNG FÜR TEXTILGEFLECHTSCHLÄUCHE
 GHIERA PER TUBI TESSILI SENZA PELATURA



| 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/M00830

NO-SKIVE FERRULE FOR COMPACT HOSES
 紧凑型胶管不剥胶套筒
 NICHT-SCHÄLFASSUNG FÜR KOMPAKT-SCHLÄUCHE
 GHIERA PER TUBI COMPATTI SENZA PELATURA

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|------|--|--|--|--|
| | DN | inch | Size | D | L | | | | |
| M00820-03 | 5 | 3/16" | - 03 | 14,0 | 26,4 | | | | |
| M00830-04 | 6 | 1/4" | - 04 | 18,0 | 29,6 | | | | |
| M00830-05 | 8 | 5/16" | - 05 | 19,0 | 31,9 | | | | |
| 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 | | | | |

new
new

MULTIFIT TYPE



BS STANDARD CONNECTIONS

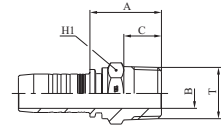
M10710

BSP MALE TAPERED - ISO 7

BSP 外锥形外螺纹 - ISO 7

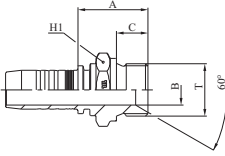
AGR KONISCH (BSPT GEWINDE NACH) - ISO 7

MASCHIO CONICO GAS - ISO 7



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|--------|------------------|---|---|---|----|--|
| | DN | inch | Size | | T | B | A | C | H1 | |

| | DN | inch | Size | T | B | A | C | | | H1 |
|--------------|----|--------|------|-------------|------|------|------|--|--|----|
| 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 |
| M10710-05-04 | 8 | 5/16" | - 05 | 1/4" - 19 | 5,5 | 25,0 | 12,0 | | | 14 |
| 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 |
| M10710-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 17,0 | 38,0 | 17,0 | | | 32 |
| 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 / ISO 8434-6
 BSP 平行外螺纹 (60° 锥形底座) - BS5200 / ISO 8434-6
 AGR 60° INNENKONUS (BSP-GEWINDE NACH BS5200 / ISO 8434-6)
 MASCHIO GAS CILINDRICO 60° - BS5200 / ISO 8434-6

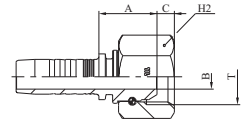
| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | |
|------------|-----------|--|--------|------------------|--|--|--|
|------------|-----------|--|--------|------------------|--|--|--|

| | 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 |
| M10510-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 5,0 | 25,0 | 11,0 | 19 |
| 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 |
| M10510-04-08 | 6 | 1/4" | - 04 | 1/2" - 14 | 11,0 | 30,0 | 14,0 | 27 |
| 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 |
| 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 |
| M10510-12-08 | 19 | 3/4" | - 12 | 1/2" - 14 | 11,0 | 32,0 | 14,0 | 27 |
| 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 |
| M10510-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 17,0 | 36,5 | 16,0 | 32 |
| 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 |
| M10510-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" - 11 | 33,5 | 48,5 | 22,0 | 55 |
| 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

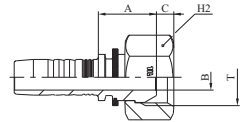
M20512

BSP FEMALE 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 BSP 内螺纹 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKR 60° KONUS (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)
 FEMMINA GAS CONO 60° - BS5200 / ISO 12151-6 (DADO SPINATO)

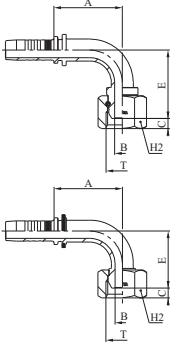


M20513

BSP FEMALE 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT)
 BSP 内螺纹 (60° 锥) - BS5200 / ISO 12151-6 (带滑套螺母)
 DKR 60° KONUS (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER)
 FEMMINA GAS CONO 60° - BS5200 / ISO 12151-6 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|-------|------|-----------|---------------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | H ₂ |
| 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 |
| M20513-05-08 | 8 | 5/16" | - 05 | 1/2" - 14 | 9,3 | 20,5 | 6,5 | | 27 |
| 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 |
| M20512-10-08 | 16 | 5/8" | - 10 | 1/2" - 14 | 9,8 | 24,0 | 6,5 | | 27 |
| 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 |
| M20512-12-08 | 19 | 3/4" | - 12 | 1/2" - 14 | 9,8 | 25,0 | 6,5 | | 27 |
| 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 |
| M20512-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 25,5 | 9,0 | | 32 |
| M20512-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 27,3 | 10,5 | | 38 |



M20592

90° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 90° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKR 90° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)
 FEMMINA GAS 90° CONO 60° - BS5200 / ISO 12151-6 (DADO SPINATO)

M20593

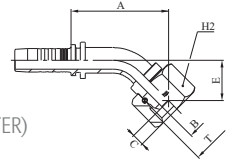
90° BSP FEMALE SWEEP ELBOW 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT)
 90° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带滑套螺母)
 DKR 90° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER)
 FEMMINA GAS 90° CONO 60° - BS5200 / ISO 12151-6 (DADO PASSANTE)

| 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 | |
| M20593-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,0 | 29,0 | 5,4 | 29,0 | | 19 | |
| 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 | |
| M20593-05-08 | 8 | 5/16" | - 05 | 1/2" - 14 | 9,3 | 36,5 | 6,5 | 32,0 | | 27 | |
| M20592-06-04 | 10 | 3/8" | - 06 | 1/4" - 19 | 4,0 | 27,0 | 4,2 | 29,5 | | 19 | |
| 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 | |
| M20592-10-08 | 16 | 5/8" | - 10 | 1/2" - 14 | 9,3 | 53,5 | 6,5 | 54,5 | | 27 | |
| 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 | |
| M20592-12-08 | 19 | 3/4" | - 12 | 1/2" - 14 | 9,3 | 45,5 | 6,5 | 44,0 | | 27 | |
| 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 | |
| M20592-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 64,5 | 9,0 | 59,5 | | 32 | |
| M20592-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 79,5 | 10,5 | 76,0 | | 38 | |

BS STANDARD CONNECTIONS

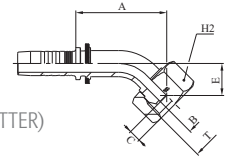
M20542

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 45° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKR 45° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)
 FEMMINA GAS 45° CONO 60° - BS5200 / ISO 12151-6 (DADO SPINATO)



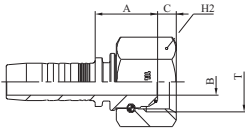
M20543

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT)
 45° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带滑套螺母)
 DRK 45° BOGEN 60° KONUS - (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER)
 FEMMINA GAS 45° CONO 60° - BS5200 / ISO 12151-6 (DADO PASSANTE)



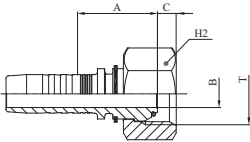
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|-----------|---------------|------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M20542-03-02 | 5 | 3/16" | - 03 | 1/8" - 28 | 3,1 | 31,0 | 4,4 | 15,0 | | 14 |
| M20543-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,0 | 35,5 | 5,4 | 14,5 | | 19 |
| M20542-04-02 | 6 | 1/4" | - 04 | 1/8" - 28 | 3,1 | 35,5 | 4,4 | 14,5 | | 14 |
| 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 |
| M20542-05-04 | 8 | 5/16" | - 05 | 1/4" - 19 | 4,0 | 35,5 | 5,4 | 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 |
| M20542-08-06 | 12 | 1/2" | - 08 | 3/8" - 19 | 7,1 | 52,0 | 6,0 | 20,0 | | 22 |
| 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 |
| M20542-08-12 | 12 | 1/2" | - 08 | 3/4" - 14 | 15,0 | 57,0 | 9,0 | 25,0 | | 32 |
| 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 |
| M20542-12-08 | 19 | 3/4" | - 12 | 1/2" - 14 | 9,3 | 55,5 | 6,5 | 22,5 | | 27 |
| 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 / ISO 12151-6 (THRUST-WIRE NUT)
 BSP O型圈内螺纹 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKOR 60° KONUS MIT O-RING -
 (BSP-GEWINDE NACH BS5200 / ISO 12151-6 GESTIFTETE MUTTER)
 FEMMINA GAS CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO)

M20813



BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT)
 BSP O型圈内螺纹 (60° 锥) - BS5200 / ISO 12151-6 (带滑套螺母)
 DKOR 60° KONUS MIT O-RING
 (BSP-GEWINDE NACH BS5200 / ISO 12151-6 HINTERLEGETE MUTTER)
 FEMMINA GAS CONO 60° O-RING BS5200 / ISO 12151-6 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₂ | |
| M20813-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,0 | 16,5 | 4,9 | | 19 | |
| M20813-04-04 | 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 | |
| M20813-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 20,4 | 6,1 | | 22 | |
| M20813-06-08 | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 21,0 | 6,5 | | 27 | |
| M20813-08-08 | 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 | | 28 | |
| M20812-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 15,0 | 25,0 | 8,5 | | 32 | |
| M20812-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 26,0 | 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 | |
| M20812-20-16 | 31 | 1 1/4" | - 20 | 1" - 11 | 19,8 | 29,0 | 10,5 | | 38 | |
| 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 | |
| M20812-24-20 | 38 | 1 1/2" | - 24 | 1 1/4" - 11 | 26,0 | 31,5 | 10,5 | | 50 | |
| M20812-24-24 | 38 | 1 1/2" | - 24 | 1 1/2" - 11 | 32,0 | 30,5 | 12,5 | | 60 | |
| M20812-24-32 | 38 | 1 1/2" | - 24 | 2" - 11 | 42,0 | 30,0 | 16,1 | | 70 | |
| M20812-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 31,9 | 16,1 | | 70 | |

BS STANDARD CONNECTIONS

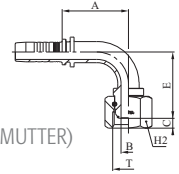
M20892

90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT)

90° BSP O型圈内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)

DKOR 90° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)

FEMMINA GAS 90° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO)



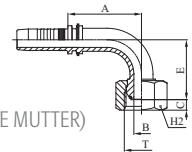
M20893

90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6 (SLIP-ON NUT)

90° BSP O型圈内螺纹巨肘弯头 (60° 锥) - BS5200 / ISO 12151-6 (带滑套螺母)

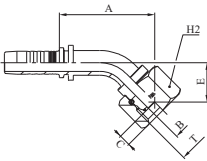
DKOR 90° BOGEN 60° KONUS MIT O-RING (BSP-GEWINDE NACH BS5200 / ISO 12151-6 HINTERLEGTE MUTTER)

FEMMINA GAS 90° CONO 60° O-RING BS5200 / ISO 12151-6 (DADO PASSANTE)



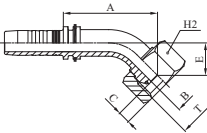
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M20893-03-04 | 5 | 3/16" | - 03 | 1/4" - 19 | 4,0 | 29,0 | 4,9 | 29,0 | | 19 |
| M20893-04-04 | 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 |
| M20893-06-06 | 10 | 3/8" | - 06 | 3/8" - 19 | 7,0 | 35,5 | 6,1 | 36,0 | | 22 |
| M20893-08-08 | 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 |
| M20892-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,8 | 61,5 | 10,5 | 62,0 | | 38 |
| M20892-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 79,5 | 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 |
| M20892-20-16 | 31 | 1.1/4" | - 20 | 1" - 11 | 19,8 | 79,5 | 10,5 | 76,0 | | 38 |
| 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 |
| M20892-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" - 11 | 26,0 | 95,0 | 10,5 | 90,5 | | 50 |
| 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 SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 45° BSP O型圈内螺纹巨肘弯头 (60° 锥)
 BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKOR 45° BOGEN 60° KONUS MIT O-RING
 (BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)
 FEMMINA GAS 45° CONO 60° O-RING
 BS5200 / ISO 12151-6 (DADO SPINATO)

M20843



45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (SLIP-ON NUT)
 45° BSP O型圈内螺纹巨肘弯头 (60° 锥)
 BS5200 / ISO 12151-6 (带滑套螺母)
 DKOR 45° BOGEN 60° KONUS MIT O-RING
 (BSP-GEWINDE NACH BS5200 / ISO 12151-6, HINTERLEGTE MUTTER)
 FEMMINA GAS 45° CONO 60° O-RING
 BS5200 / ISO 12151-6 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|------------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M20843-04-04 | 6 | 1/4" | - 04 | 1/4" -19 | 4,0 | 36,0 | 4,9 | 15,0 | | 19 |
| M20843-06-06 | 10 | 3/8" | - 06 | 3/8" -19 | 7,0 | 44,5 | 6,1 | 18,5 | | 22 |
| M20843-08-08 | 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 |
| M20842-16-12 | 25 | 1" | - 16 | 3/4" -14 | 15,0 | 79,5 | 8,5 | 29,0 | | 32 |
| M20842-16-16 | 25 | 1" | - 16 | 1" -11 | 19,8 | 90,5 | 10,6 | 35,6 | | 38 |
| M20842-16-20 | 25 | 1" | - 16 | 1 1/4" - 11 | 26,0 | 93,0 | 10,5 | 38,0 | | 50 |
| M20842-20-20 | 31 | 1 1/4" | - 20 | 1 1/4" - 11 | 26,0 | 101,5 | 10,5 | 39,0 | | 50 |
| M20842-20-24 | 31 | 1 1/4" | - 20 | 1 1/2" - 11 | 32,0 | 118,5 | 12,5 | 40,5 | | 60 |
| M20842-24-20 | 38 | 1 1/2" | - 24 | 1 1/4" - 11 | 26,0 | 106,5 | 10,5 | 42,0 | | 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 |

BS STANDARD CONNECTIONS

M20882F

90° BSP O-RING FEMALE COMPACT ELBOW 60° CONE

BS5200 / ISO 12151-6 (THRUST-WIRE NUT)

90° BSP O型圈内螺纹紧凑型弯头 (60° 锥)

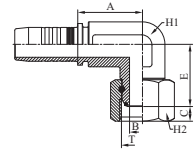
BS5200 / ISO 12151-6 (带止推金属丝螺母)

DKOR 90° KOMPAKTBOGEN 60° KONUS MIT O-RING

(BSP-GEWINDE NACH BS5200 / ISO 12151-6, GESTIFTETE MUTTER)

FEMMINA GAS 90° CONO 60° O-RING TIPO COMPATTO

BS5200 / ISO 12151-6 (DADO SPINATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|---------------|-----------|------|------|-----------|---------------|------|------|------|----|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₁ |
| 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 |

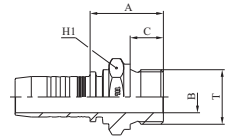
M10610

BSP MALE FLAT SEAT

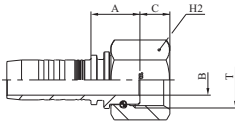
BSP 外螺纹平面底座

AGR FLACH DICHTEND

MASCHIO GAS CILINDRICO SEDE PIANA

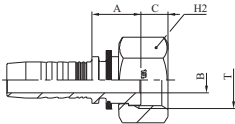


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₁ | |
| M10610-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 6,0 | 25,5 | 11,0 | | 19 | |
| 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)
 BSP 内螺纹平面底座 (带止推金属丝螺母)
 DKR FLACHDICHTEND (BSP-GEWINDE, GESTIFTETE MUTTER)
 FEMMINA GAS SEDE PIANA (DADO SPINATO)



M20613

BSP FEMALE FLAT SEAT (SLIP-ON NUT)
 BSP 内螺纹平面底座 (滑套螺母)
 DKR FLACHDICHTEND (BSP-GEWINDE, HINTERLEGTE MUTTER)
 FEMMINA GAS SEDE PIANA (DADO PASSANTE)

| 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 |
| M20613-05-06 | 8 | 5/16" | - 05 | 3/8" - 19 | 7,0 | 16,0 | 9,0 | | | 22 |
| 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 |

MULTIFIT TYPE



SAE STANDARD CONNECTIONS

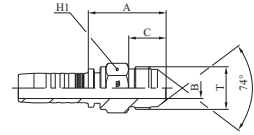
M12510

JIC MALE 37° CONE - SAE J516 / ISO 12151-5

JIC 外螺纹 37° 锥 - SAE J516 / ISO 12151-5

AGJ 37° AUSSENKONUS (UNF-GEWINDE NACH SAE J516 / ISO 12151-5)

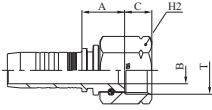
MASCHIO JIC CONO 37° - SAE J516 / ISO 12151-5



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

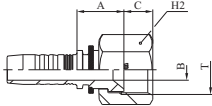
| | DN | inch | Size | T | B | A | C | | H ₁ | |
|--------------|----|--------|------|--------------|------|------|------|--|----------------|--|
| M12510-04-04 | 6 | 1/4" | -04 | 7/16" - 20 | 4,0 | 28,0 | 14,0 | | 12 | |
| M12510-04-05 | 6 | 1/4" | -04 | 1/2" - 20 | 5,5 | 29,0 | 14,0 | | 14 | |
| M12510-04-06 | 6 | 1/4" | -04 | 9/16" - 18 | 7,0 | 29,0 | 14,0 | | 17 | |
| M12510-05-04 | 8 | 5/16" | -05 | 7/16" - 20 | 4,0 | 29,0 | 14,0 | | 14 | |
| 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 | |
| M12510-06-05 | 10 | 3/8" | -06 | 1/2" - 20 | 5,5 | 29,5 | 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 | |

M22512



JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 DKJ 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)
 FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)

M22513



JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT)
 JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带滑套螺母)
 DKJ 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER)
 FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|--------|------------------|---|---|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₂ | |

| PART. REF. | 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 |
| M22512-03-05 | 5 | 3/16" | - 03 | 1/2" - 20 | 4,0 | 15,5 | 9,2 | 17 |
| 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 |
| M22512-05-04 | 8 | 5/16" | - 05 | 7/16" - 20 | 4,0 | 15,5 | 8,2 | 17 |
| 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 |
| 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 |
| M22512-12-08 | 19 | 3/4" | - 12 | 3/4" - 16 | 9,3 | 21,5 | 10,2 | 22 |
| 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 |
| M22512-32-24 | 51 | 2" | - 32 | 1.7/8" - 12 | 32,0 | 37,0 | 18,8 | 60 |
| M22512-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 44,0 | 35,4 | 24,0 | 75 |

SAE STANDARD CONNECTIONS

M22711

JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (CRIMPED-BACK NUT)

JIC 内螺纹 37° 锥形底座双六角螺母 - SAE J516 / ISO 12151-5 (带扣压-支撑螺母)

DKJ 37° MIT KONTERSECHSKANT (UNF GEWINDE NACH SAE J516 / ISO 12151-5, VORGEKRIMPT MUTTER)

FEMMINA JIC CONO 37° DOPPIO ESAGONO SAE J516 / ISO 12151-5 (DADO PRESSATO)

M22711K

JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (CRIMPED-BACK COMPACT NUT)

JIC 内螺纹 37° 锥形底座双六角螺母

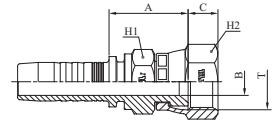
SAE J516 / ISO 12151-5 (带扣压-支撑紧凑型螺母)

DKJ (KOMPAKT) 37° MIT KONTERSECHSKANT

(UNF GEWINDE NACH SAE J516 / ISO 12151-5, VORGEKRIMPT MUTTER)

FEMMINA JIC CONO 37° DOPPIO ESAGONO

SAE J516 / ISO 12151-5 (DADO PRESSATO COMPATTO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|---------------|-----------|--------|------|--------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M22711-03-04K | 5 | 3/16" | - 03 | 7/16" - 20 | 4,0 | 20 | 9 | | 12 | 15 |
| M22711-04-04K | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 20,5 | 9 | | 12 | 15 |
| M22711-04-06K | 6 | 1/4" | - 04 | 9/16" - 18 | 7,0 | 21,6 | 9,5 | | 14 | 17 |
| M22711-06-06K | 10 | 3/8" | - 06 | 9/16" - 18 | 7,0 | 22,1 | 9,5 | | 17 | 17 |
| M22711-06-08 | 10 | 3/8" | - 06 | 3/4" - 16 | 9,3 | 21,7 | 10,7 | | 19 | 22 |
| M22711-08-08 | 12 | 1/2" | - 08 | 3/4" - 16 | 9,3 | 26,9 | 10,7 | | 19 | 22 |
| M22711-08-10K | 12 | 1/2" | - 08 | 7/8" - 14 | 9,3 | 29,6 | 12,5 | | 22 | 25 |
| M22711-10-10K | 16 | 5/8" | - 10 | 7/8" - 14 | 9,3 | 29,5 | 12,5 | | 22 | 25 |
| M22711-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15 | 30,1 | 14,1 | | 27 | 32 |
| M22711-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 19,8 | 35,5 | 15,3 | | 32 | 38 |
| M22711-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 42,0 | 16,1 | | 41 | 50 |
| M22711-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 46,5 | 18,6 | | 50 | 60 |
| M22711-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 50,5 | 23,5 | | 65 | 75 |

M22712K

JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON - SAE J516 / ISO 12151-5 (THRUST-WIRE COMPACT NUT)

JIC 内螺纹 37° 锥形底座双六角螺母

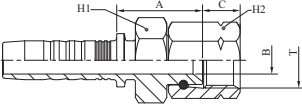
SAE J516 / ISO 12151-5 (带止推金属丝紧凑型螺母)

DKJ KOMPAKT 37° DK MIT KONTERSECHSKANT

(UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)

FEMMINA JIC CONO 37° DOPPIO ESAGONO

SAE J516 / ISO 12151-5 (DADO SPINATO COMPATTO)



| 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

M22712

JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)

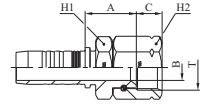
JIC 内螺纹 37° 锥形底座双六角螺母 SAE J516 / ISO 12151-5 (带止推金属丝紧凑型螺母)

DKJ 37° DK MIT KONTERSECHSKANT

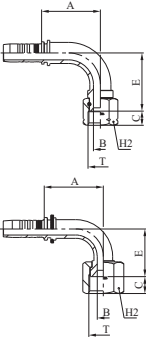
(UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)

FEMMINA JIC CONO 37° DOPPIO ESAGONO

SAE J516 / ISO 12151-5 (DADO SPINATO)



| 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 |
| 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 | 27 |
| 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 |
| M22712-20-16 | 31 | 1.1/4" | - 20 | 1.5/16" - 12 | 19,8 | 36,0 | 15,2 | | 38 | 38 |
| 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 |



M22592

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)
 FEMMINA JIC 90° CONO 37° SAE J516 / ISO 12151-5 (DADO SPINATO)

M22593

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT)
 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母)
 DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER)
 FEMMINA JIC 90° CONO 37° SAE J516 / ISO 12151-5 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|------|--------------|---------------|-------|------|-------|---|----|--|
| | DN | inch | Size | | T | B | A | C | E | Hz | |
| 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 | |
| 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 | |
| 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

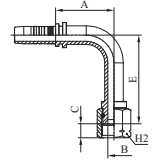
M24792

90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)

90° JIC 内螺纹加长弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母)

DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)

FEMMINA JIC 90° CONO 37° CURVA LUNGA - SAE J516 / ISO 12151-5 (DADO SPINATO)



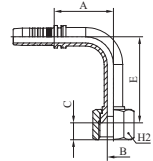
M24793

90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT)

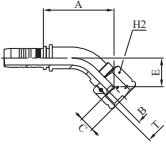
90° JIC 内螺纹加长弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母)

DKJ 90° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER)

FEMMINA JIC 90° CONO 37° CURVA LUNGA - SAE J516 / ISO 12151-5 (DADO PASSANTE)

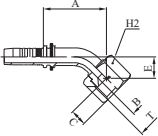


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------------|------------------|------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M24792-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 28,5 | 8,2 | 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 |



M22542

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 DKJ 45° BOGEN 37° DICHTKOPF (UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)
 FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)



M22543

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (SLIP-ON NUT)
 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带滑套螺母)
 DKJ 45° BOGEN 37° DICHTKOPF (UND-GEWINDE NACH SAE J516 / ISO 12151-5, HINTERLEGTE MUTTER)
 FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO PASSANTE)

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

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|--------|------|--------------|------|-------|------|------|--|----------------|
| M22542-03-04 | 5 | 3/16" | - 03 | 7/16" - 20 | 4,0 | 35,0 | 8,2 | 14,5 | | 17 |
| 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 |

MULTIFIT TYPE



SAE STANDARD CONNECTIONS

M22582F

90° JIC FEMALE COMPACT ELBOW 37° CONE SEAT

SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)

90° JIC 内螺纹紧凑型弯头 (37° 锥形底座)

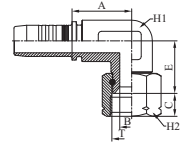
SAE J516 / ISO 12151-5 (带止推金属丝螺母)

DKJ 90° KOMPAKT BOGEN 37° DICHTKOPF

(UNF-GEWINDE NACH SAE J516 / ISO 12151-5, GESTIFTETE MUTTER)

FEMMINA JIC 90° TIPO COMPATTO CONO 37°

SAE J516 / ISO 12151-5 (DADO SPINATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|---------------|-----------|------|------|--------------|---------------|------|------|------|----|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₁ |
| 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 |

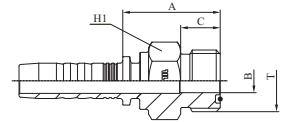
M12410

ORFS MALE - SAE J516 / ISO 12151-1

ORFS 外螺纹 - SAE J516 / ISO 12151-1

ORFS AUSSENGEWINDE NACH SAE J516 / ISO 12151-1

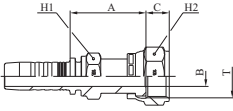
MASCHIO ORFS - SAE J516 / ISO 12151-1



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| 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 | 5/16" | - 05 | 11/16" - 16 | 6,7 | 27,0 | 11,2 | | 19 | |
| M12410-06-06 | 10 | 3/8" | - 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 | |
| M12410-08-12 | 12 | 1/2" | - 08 | 1.3/16" - 12 | 15,0 | 37,5 | 17,0 | | 32 | |
| M12410-10-08 | 16 | 5/8" | - 10 | 13/16" - 16 | 9,3 | 30,5 | 12,8 | | 22 | |
| 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 | |
| M12410-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 26,0 | 44,0 | 17,5 | | 46 | |
| 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 | |

M22411

ORFS FEMALE - SAE J516 / ISO 12151-1 PULLBACK TYPE (CRIMPED BACK-NUT)
 ORFS 内螺纹 - SAE J516 / ISO 12151-1 回拉式 (带扣压-支撑螺母)
 ORFS IG - SAE J516 / ISO12151-1 RÜCKZUGSAUSFÜHRUNG (VERPRESSTE MUTTER)
 FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE RETRAIBILE (DADO PRESSATO)



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | H ₁ | H ₂ |
|------------|-----------|--|--------|------------------|--|--|--|----------------|----------------|
|------------|-----------|--|--------|------------------|--|--|--|----------------|----------------|

| | 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 |
| M22411-04-08 | 6 | 1/4" | - 04 | 13/16" - 16 | 9,3 | 34,5 | 11,0 | | 19 | 24 |
| M22411-05-04 | 8 | 5/16" | - 05 | 9/16" - 18 | 4,0 | 28,5 | 8,0 | | 16 | 19 |
| M22411-05-06 | 8 | 5/16" | - 05 | 11/16" - 16 | 7,0 | 30,5 | 9,5 | | 16 | 22 |
| M22411-06-04 | 10 | 3/8" | - 06 | 9/16" - 18 | 4,0 | 29,0 | 8,0 | | 16 | 19 |
| 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 |
| M22411-10-08 | 16 | 5/8" | - 10 | 13/16" - 16 | 9,3 | 36,0 | 11,0 | | 24 | 24 |
| 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 |

SAE STANDARD CONNECTIONS

M27411

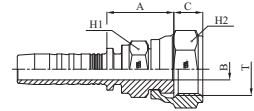
ORFS FEMALE - SAE J516 / ISO 12151-1 SHORT TYPE (CRIMPED BACK-NUT)

ORFS 内螺纹 - SAE J516 / ISO 12151-1 短型 (带扣压-支撑螺母)

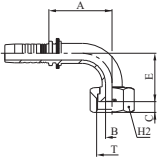
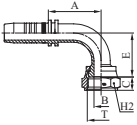
ORFS VERPRESSTE MUTTER - SAE J516 / ISO 12151-1

KURZE AUSFÜHRUNG (CRIMPED BACK-NUT)

FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE CORTA (DADO PRESSATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|--------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M27411-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 20,5 | 8,0 | | 13 | 19 |
| M27411-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 7,0 | 22,0 | 9,5 | | 16 | 22 |
| M27411-05-06 | 8 | 5/16" | - 05 | 11/16" - 16 | 7,0 | 25,5 | 9,5 | | 16 | 22 |
| M27411-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 7,0 | 26,0 | 9,5 | | 16 | 22 |
| M27411-06-08 | 10 | 3/8" | - 06 | 13/16" - 16 | 9,3 | 25,0 | 11,0 | | 19 | 24 |
| M27411-08-08 | 12 | 1/2" | - 08 | 13/16" - 16 | 9,3 | 25,5 | 11,0 | | 19 | 24 |
| M27411-08-10 | 12 | 1/2" | - 08 | 1" - 14 | 11,5 | 26,5 | 13,5 | | 24 | 30 |
| M27411-08-12 | 12 | 1/2" | - 08 | 1.3/16" - 12 | 13,9 | 29,0 | 14,5 | | 28 | 36 |
| M27411-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 11,5 | 26,5 | 13,5 | | 24 | 30 |
| M27411-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 13,9 | 29,0 | 14,5 | | 28 | 36 |
| M27411-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 13,9 | 30,5 | 14,5 | | 28 | 36 |
| M27411-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,8 | 33,0 | 15,0 | | 36 | 41 |



M22491

90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT)
 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母)
 DK 90° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, PRESSMUTTER)
 FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PRESSATO)

M22493

90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT)
 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带滑套螺母)
 DK 90° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER)
 FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PASSANTE)

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

| | DN | inch | Size | T | B | A | C | E | | H ₂ |
|--------------|----|--------|------|---------------|------|-------|------|------|--|----------------|
| M22493-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,0 | 27,5 | 8,2 | 22,0 | | 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 | 32,0 | 9,5 | 23,0 | | 22 |
| M22491-06-04 | 10 | 3/8" | - 06 | 9/16" - 18 | 4,0 | 28,0 | 8,0 | 23,0 | | 19 |
| M22493-06-06 | 10 | 3/8" | - 06 | 11/16" - 16 | 6,0 | 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 |
| M22491-10-08 | 16 | 5/8" | - 10 | 13/16" - 16 | 9,3 | 41,5 | 11,0 | 34,0 | | 24 |
| 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

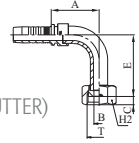
M24493*

90° ORFS FEMALE LONG DROP ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT)

90° ORFS 内螺纹加长弯头 - SAE J516 / ISO 12151-1 (带滑套螺母)

DK 90° BOGEN ORFS LANGE SCHENKEL (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER)

FEMMINA ORFS A 90° CURVA LUNGA - SAE J516 / ISO 12151-1 (DADO PASSANTE)

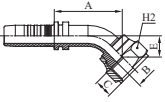


| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------------|---------------|------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M24493-04-04 | 6 | 1/4" | - 04 | 9/16" - 18 | 4,4 | 24,5 | 8,2 | 45,5 | | 17 |
| M24493-04-06 | 6 | 1/4" | - 04 | 11/16" - 16 | 7,0 | 24,5 | 9,5 | 53,5 | | 22 |
| 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 / 使用焊接工艺 / Löttausführung / Con saldatura

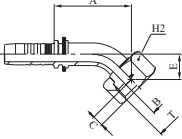
M22441

45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED-BACK NUT)
 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母)
 DK 45° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, PRESSMUTTER)
 FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PRESSATO)



M22443

45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (SLIP-ON NUT)
 45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带滑套螺母)
 DK 45° BOGEN ORFS (UNF-GEWINDE NACH SAE J516 / ISO 12151-1, HINTERLEGTE MUTTER)
 FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PASSANTE)



| 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 |
| M22441-16-12 | 25 | 1" | - 16 | 1.3/16" - 12 | 14,5 | 66,0 | 14,5 | 21,0 | | 36 |
| 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 |

MULTIFIT TYPE



SAE STANDARD CONNECTIONS

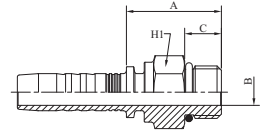
M13010

SAE MALE O-RING BOSS TYPE - SAE J516 / ISO 11926

SAE 外螺纹 O形圈轮毂型 - SAE J516 / ISO 11926

AGJO SAE O-RING (UNF-GEWINDE NACH SAE J516 / ISO 11926)

MASCHIO SAE O-RING - SAE J516 / ISO 11926



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|------------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₁ | |
| 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 | |
| M13010-06-10 | 10 | 3/8" | - 06 | 7/8" - 14 | 12,5 | 31,5 | 12,7 | | 25 | |
| 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 | |
| M13010-08-12 | 12 | 1/2" | - 08 | 1.1/16" - 12 | 15,0 | 38,5 | 15,1 | | 32 | |
| M13010-10-10 | 16 | 5/8" | - 10 | 7/8" - 14 | 12,5 | 32,0 | 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 | |
| M13010-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 43,5 | 15,1 | | 46 | |

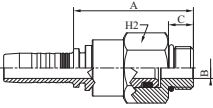
M14310*

SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516 / ISO 11926

SAE 旋转外螺纹 O 型圈轮毂型 - SAE J516 / ISO 11926

AGJO SAE O-RING DREHBAR (UNF-GEWINDE NACH SAE J516 / ISO 11926)

MASCHIO SAE O-RING GIREVOLE - SAE J516 / ISO 11926



| PART. REF. | HOSE BORE | | THREAD | DIMENSIONS mm | | | | | | |
|--------------|-----------|------|--------|------------------|------|------|------|----------------|--|----|
| | DN | inch | | T | B | A | C | H ₂ | | |
| M14310-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 41,0 | 9,1 | | | 17 |
| 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 / 不可用作活动旋转接头 / Nicht zu benutzen als Drehverschraubung / Da non usare come applicazione rotante

SAE STANDARD CONNECTIONS

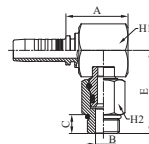
M14390*

90° SAE SWIVEL MALE O-RING BOSS TYPE - SAE J516 / ISO 11926

90° SAE 旋转外螺纹 O型圈轮毂型 - SAE J516 / ISO 11926

AGJO 90° KOMPAKT BOGEN DREHBAR MIT O-RING (UNF-GEWINDE NACH J516 / ISO 11926)

MASCHIO SAE O-RING GIREVOLE 90° - SAE J516 / ISO 11926



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------------|---------------|------|------|------|----|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₁ |
| 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 / 使用焊接工艺 - 不可用作活动旋转接头 / Lötanschluss - Nicht zu benutzen als Drehverschraubung / Con saldatura - Da non usare come applicazione rotante

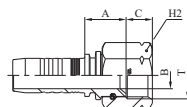
M22612

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

SAE 内螺纹 45° 锥形底座 - SAE J516/J512 (带止推金属丝螺母)

DKJ DICHTKOPF GERADE 45° KONUS (UNF-GEWINDE NACH J516/J512, GESTIFTETE MUTTER)

FEMMINA SAE CONO 45° - SAE J516/J512 (DADO SPINATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|--------------|---------------|------|------|---|--|----------------|
| | DN | inch | Size | | T | B | A | C | | H ₂ |
| M22612-04-04 | 6 | 1/4" | - 04 | 7/16" - 20 | 4,0 | 15,5 | 8,2 | | | 17 |
| M22612-05-06 | 8 | 5/16" | - 05 | 5/8" - 18 | 7,0 | 16,5 | 10,8 | | | 22 |
| 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 |

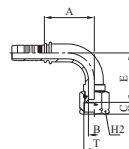
M22692

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

90° SAE 内螺纹巨肘弯头 45° 锥形底座 - SAE J516/J512 (带止推金属丝螺母)

DKJ 90° BOGEN 45° KONUS (UNF-GEWINDE NACH SAE J516/J512, GESTIFTETE MUTTER)

FEMMINA SAE 90° CONO 45° - SAE J516/J512 (DADO SPINATO)



| 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 |

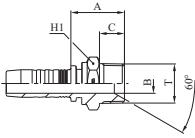
M12810

NPTF MALE 60° CONE SEAT - SAE J516/J514

NPTF 外螺纹 60° 锥形底座 - SAE J516/J514

AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514

MASCHIO NPTF CONO 60° - SAE J516 /J514



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

| | DN | inch | Size | T | B | A | C | H ₁ |
|--------------|----|--------|------|---------------|------|------|------|----------------|
| 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 |
| M12810-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" - 8 | 55,4 | 78,0 | 39,9 | 80 |
| M12810-48-48 | 76 | 3" | - 48 | 3" - 8 | 68,9 | 86,0 | 41,5 | 100 |

SAE STANDARD CONNECTIONS

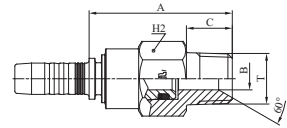
M14110R*

NPTF SWIVEL MALE 60° CONE SEAT - SAE J516/J514

NPTF 旋转外螺纹 60° 锥形底座 - SAE J516/J514

AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514

MASCHIO NPTF CONO 60° GIREVOLE - SAE J516/J514



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|---------------|-----------|------|------|-----------|---------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₂ | |
| M14110-04-02R | 6 | 1/4" | - 04 | 1/8" - 27 | 3,0 | 41,9 | 10,0 | | 17 | |
| M14110-04-04R | 6 | 1/4" | - 04 | 1/4" - 18 | 4,0 | 46,4 | 14,5 | | 17 | |
| M14110-04-06R | 6 | 1/4" | - 04 | 3/8" - 18 | 7,0 | 46,4 | 14,5 | | 19 | |
| M14110-06-04R | 10 | 3/8" | - 06 | 1/4" - 18 | 4,0 | 50,5 | 14,5 | | 22 | |
| M14110-06-06R | 10 | 3/8" | - 06 | 3/8" - 18 | 7,0 | 50,5 | 14,5 | | 22 | |
| M14110-06-08R | 10 | 3/8" | - 06 | 1/2" - 14 | 9,3 | 55,2 | 19,2 | | 24 | |
| M14110-08-06R | 12 | 1/2" | - 08 | 3/8" - 18 | 7,0 | 51,5 | 14,5 | | 27 | |
| M14110-08-08R | 12 | 1/2" | - 08 | 1/2" - 14 | 9,3 | 59,0 | 19,2 | | 27 | |
| M14110-12-12R | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 57,9 | 19,2 | | 32 | |
| M14110-16-16R | 25 | 1" | - 16 | 1" - 11,5 | 19,8 | 65,8 | 24,2 | | 38 | |

* Not to be used as a live swivel / 不可用作活动旋转接头 / Nicht zu benutzen als Drehverschraubung / Da non usare come applicazione rotante

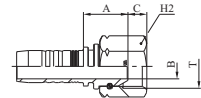
M22812

NPSM FEMALE 60° CONE - SAE J516/J514 (THRUST-WIRE NUT)

NPSM 内螺纹 60° 锥形 - SAE J516/J514 (带止推金属丝螺母)

DK NPSM 60° KONUS - SAE J516/J514 (NPTF-GEWINDE, GESTIFTETE MUTTER)

FEMMINA NPSM CONO 60° - SAE J516/J514 (DADO SPINATO)



| 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 | |
| M22812-06-04 | 10 | 3/8" | - 06 | 1/4" - 18 | 4,0 | 18,0 | 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 | |

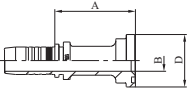
M23311

ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| 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 | | | |
| M23311-10-08 | 16 | 5/8" | - 10 | 3/4" | 9,3 | 51,0 | 30,3 | | | |
| M23311-10-12 | 16 | 1/2" | - 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 | | | |
| M23311-12-20 | 19 | 3/4" | - 12 | 1.1/4" | 26,0 | 69,5 | 51,0 | | | |
| M23311-16-12 | 25 | 1" | - 16 | 3/4" | 15,0 | 60,5 | 38,0 | | | |
| 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 | | | |
| M23311-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 64,5 | 44,6 | | | |
| 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 | | | |
| M23311-40-32 | 63 | 2.1/2" | - 40 | 2" | 42,0 | 78,5 | 71,6 | | | |
| M23311-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" | 56,0 | 84,0 | 84,3 | | | |
| M23311-40-48 | 63 | 2.1/2" | - 40 | 3" | 68,9 | 79,0 | 101,6 | | | |
| M23311-40-56 | 63 | 2.1/2" | - 40 | 3.1/2" | 79,0 | 90,5 | 114,3 | | | |
| M23311-40-64 | 63 | 2.1/2" | - 40 | 4" | 90,0 | 96,5 | 127,0 | | | |
| M23311-48-48 | 76 | 3" | - 48 | 3" | 69,0 | 86,0 | 101,6 | | | |
| M23311-56-56 | 90 | 3.1/2" | - 56 | 3.1/2" | 79,0 | 94,5 | 114,3 | | | |
| M23311-64-64 | 102 | 4" | - 64 | 4" | 90,0 | 100,5 | 127,0 | | | |

SAE STANDARD CONNECTIONS

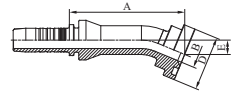
M23321

22,5° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

22,5° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

22,5° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 22,5° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| 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 | | |
| M23321-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 88,5 | 51,0 | 11,5 | | |
| M23321-16-24 | 25 | 1" | - 16 | 1.1/2" | 32,0 | 88,5 | 60,5 | 11,5 | | |
| M23321-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 100,0 | 51,0 | 12,0 | | |
| M23321-20-20018 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 99,0 | 51,0 | 18,0 | | |
| M23321-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 101,8 | 60,5 | 12,8 | | |
| M23321-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 116,5 | 60,5 | 14,0 | | |
| M23321-24-24023 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 115,0 | 60,5 | 23,0 | | |
| M23321-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 116,5 | 71,6 | 14,0 | | |
| M23321-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 134,5 | 71,6 | 15,0 | | |
| M23321-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 72,0 | 84,3 | 14,0 | | |
| M23321-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 79,0 | 101,6 | 17,0 | | |
| M23321-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 111,0 | 101,6 | 20,5 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico

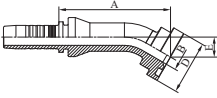
M23331

30° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

30° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

30° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 30° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| 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 | | |
| M23331-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 63,5 | 38,0 | 11,5 | | |
| 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 | | |
| M23331-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 87,0 | 51,0 | 16,5 | | |
| M23331-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,0 | 51,0 | 17,4 | | |
| M23331-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 100,0 | 60,5 | 18,5 | | |
| M23331-20-24044 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 131,5 | 60,5 | 44,0 | | |
| M23331-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 114,3 | 60,5 | 20,0 | | |
| M23331-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 114,5 | 71,6 | 20,0 | | |
| M23331-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 132,0 | 71,6 | 22,0 | | |
| M23331-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 79,5 | 84,3 | 20,5 | | |
| M23331-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 85,5 | 101,6 | 24,5 | | |
| M23331-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 110,5 | 101,6 | 27,5 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico

MULTIFIT TYPE



SAE STANDARD CONNECTIONS

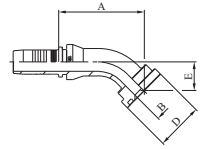
M23341

45° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 45° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



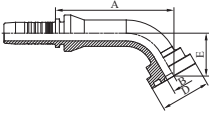
| PART. REF. | HOSE BORE | FLANGE | DIMENSIONS mm |
|------------|-----------|--------|---------------|
|------------|-----------|--------|---------------|

| | DN | inch | Size | | B | A | D | E | | |
|---------------|-----|--------|------|--------|------|-------|-------|------|--|--|
| M23341-06-08 | 10 | 3/8" | - 06 | 1/2" | 9,3 | 52,5 | 30,3 | 17,0 | | |
| 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 | | |
| M23341-08-16 | 12 | 1/2" | - 08 | 1" | 20,0 | 59,5 | 44,6 | 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 | | |
| M23341-16-12 | 25 | 1" | - 16 | 3/4" | 15,0 | 74,5 | 38,0 | 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 | | |
| M23341-20-16 | 31 | 1.1/4" | - 20 | 1" | 19,8 | 84,5 | 44,6 | 29,5 | | |
| 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 | | |
| M23341-32-40 | 51 | 2" | - 32 | 2.1/2" | 56,0 | 136,5 | 84,3 | 49,5 | | |
| M23341-40-32 | 63 | 2.1/2" | - 40 | 2" | 42,0 | 152,0 | 71,5 | 48,5 | | |
| M23341-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 56,0 | 74,5 | 84,3 | 30,0 | | |
| M23341-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 79,5 | 101,6 | 36,0 | | |
| M23341-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 109,0 | 101,6 | 41,0 | | |
| M23341-56-56* | 90 | 3.1/2" | - 56 | 3.1/2" | 79,0 | 115,0 | 114,3 | 47,5 | | |
| M23341-56-64* | 90 | 3.1/2" | - 56 | 4" | 79,0 | 118,5 | 127,0 | 51,0 | | |
| M23341-64-64* | 102 | 4" | - 64 | 4" | 90,0 | 132,0 | 127,0 | 56,5 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico

M23361

60° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 60° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 60° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA 60° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| 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 | | |
| M23361-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 72,5 | 38,0 | 26,5 | | |
| M23361-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 86,9 | 38,0 | 33,0 | | |
| M23361-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 87,0 | 44,6 | 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 | | |
| M23361-20-20065 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 107,5 | 51,0 | 65,0 | | |
| M23361-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 121,0 | 60,5 | 44,7 | | |
| M23361-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 141,5 | 51,0 | 46,5 | | |
| M23361-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 143,6 | 60,5 | 50,7 | | |
| M23361-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 143,5 | 71,6 | 51,0 | | |
| M23361-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 129,0 | 71,6 | 58,0 | | |
| M23361-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 84,5 | 84,3 | 47,5 | | |
| M23361-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 88,5 | 101,6 | 55,0 | | |
| M23361-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 120,0 | 101,6 | 64,0 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico

SAE STANDARD CONNECTIONS

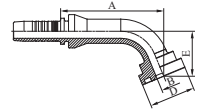
M23371

67,5° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

67,5° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

67,5° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

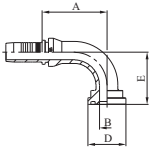
FLANGIA 67,5° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| 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 | 29,3 | | |
| M23371-08-12 | 12 | 1/2" | - 08 | 3/4" | 15,0 | 68,5 | 38,0 | 30,5 | | |
| M23371-08-16 | 12 | 1/2" | - 08 | 1" | 20,0 | 68,5 | 44,6 | 30,5 | | |
| 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 | | |
| M23371-12-20 | 19 | 3/4" | - 12 | 1.1/4" | 26,0 | 82,5 | 51,0 | 38,0 | | |
| M23371-16-16 | 25 | 1" | - 16 | 1" | 19,8 | 98,6 | 44,6 | 45,0 | | |
| M23371-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 98,5 | 51,0 | 45,0 | | |
| M23371-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 114,0 | 51,0 | 50,0 | | |
| M23371-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 115,0 | 60,5 | 52,0 | | |
| M23371-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 136,4 | 60,5 | 59,2 | | |
| M23371-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 136,5 | 71,6 | 59,0 | | |
| M23371-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 162,0 | 71,6 | 68,5 | | |
| M23371-32-32085 | 51 | 2" | - 32 | 2" | 42,0 | 151,5 | 71,6 | 85,0 | | |
| M23371-32-40 | 51 | 2" | - 32 | 2.1/2" | 56,0 | 171,5 | 84,3 | 83,5 | | |
| M23371-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 87,5 | 84,3 | 57,5 | | |
| M23371-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 91,0 | 101,6 | 65,0 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico



M23391

90° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 90° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3

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

| | DN | inch | Size | | B | A | D | E | | |
|-----------------|-----|--------|------|--------|------|-------|-------|-------|--|--|
| M23391-06-08 | 10 | 3/8" | - 06 | 1/2" | 9,3 | 45,0 | 30,3 | 35,0 | | |
| M23391-06-08041 | 10 | 3/8" | - 06 | 1/2" | 9,3 | 45,0 | 30,3 | 41,0 | | |
| 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 | | |
| M23391-08-16 | 12 | 1/2" | - 08 | 1" | 20,0 | 54,5 | 44,6 | 66,0 | | |
| M23391-10-08 | 16 | 5/8" | - 10 | 1/2" | 9,3 | 56,0 | 30,3 | 46,5 | | |
| 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 | | |
| M23391-12-20 | 19 | 3/4" | - 12 | 1.1/4" | 26,0 | 64,5 | 51,0 | 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 | | |
| M23391-16-24 | 25 | 1" | - 16 | 1.1/2" | 32,0 | 77,5 | 60,5 | 64,0 | | |
| M23391-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 80,0 | 44,6 | 66,0 | | |
| 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 | | |
| M23391-20-32 | 31 | 1.1/4" | - 20 | 2" | 42,0 | 93,5 | 71,6 | 76,0 | | |
| M23391-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 104,5 | 51,0 | 75,0 | | |
| 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 | | |
| M23391-32-24 | 51 | 2" | - 32 | 1.1/2" | 32,0 | 133,0 | 60,5 | 84,0 | | |
| M23391-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 129,0 | 71,6 | 99,0 | | |
| M23391-32-40 | 51 | 2" | - 32 | 2.1/2" | 56,0 | 132,5 | 84,3 | 116,0 | | |
| M23391-40-32 | 63 | 2.1/2" | - 40 | 2" | 42,0 | 149,5 | 71,6 | 114,0 | | |
| M23391-40-40* | 63 | 2.1/2" | - 40 | 2.1/2" | 52,0 | 88,5 | 84,3 | 88,0 | | |
| M23391-40-48* | 63 | 2.1/2" | - 40 | 3" | 52,0 | 88,5 | 101,6 | 95,0 | | |
| M23391-48-48* | 76 | 3" | - 48 | 3" | 61,0 | 124,0 | 101,6 | 115,0 | | |
| M23391-48-56* | 76 | 3" | - 48 | 3.1/2" | 61,0 | 124,0 | 114,3 | 115,0 | | |
| M23391-56-56* | 90 | 3.1/2" | - 56 | 3.1/2" | 79,0 | 134,5 | 114,3 | 134,5 | | |
| M23391-64-64* | 102 | 4" | - 64 | 4" | 90,0 | 153,5 | 127,0 | 158,5 | | |

* All items are made from solid with the exception of (*) / 所有规格都由实体棒材加工而成，带有(*)的规格除外。 / Mit Ausnahme der mit (*) bezeichneten Positionen sind alle Armaturen in einteiliger Ausführung / Ad eccezione di (*) tutte le referenze sono a pezzo unico

SAE STANDARD CONNECTIONS

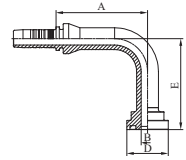
M23391 LONG DROP

90° LONG DROP ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

90° 加长 ISO/SAE CODIGO 61 法兰 - SAE J516 / ISO 12151-3

90° LONG DROP ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 90° CURVA LUNGA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|-----------------|-----------|--------|------|--------|---------------|-------|------|-----|
| | DN | inch | Size | | B | A | D | E |
| M23391-16-20117 | 25 | 1" | - 16 | 1,1/4" | 26,0 | 77,5 | 51,0 | 117 |
| M23391-16-24107 | 25 | 1" | - 16 | 1,1/2" | 32,0 | 77,5 | 60,5 | 107 |
| M23391-20-20091 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 90,5 | 51,0 | 91 |
| M23391-20-20100 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 90,5 | 51,0 | 100 |
| M23391-20-20112 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 90,5 | 51,0 | 112 |
| M23391-20-20130 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 90,5 | 51,0 | 130 |
| M23391-20-20168 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 90,5 | 51,0 | 168 |
| M23391-20-24118 | 31 | 1,1/4" | - 20 | 1,1/2" | 32,0 | 90,5 | 60,5 | 118 |
| M23391-20-24130 | 31 | 1,1/4" | - 20 | 1,1/2" | 32,0 | 90,5 | 60,5 | 130 |
| M23391-24-24148 | 38 | 1,1/2" | - 24 | 1,1/2" | 32,0 | 108,0 | 60,5 | 148 |
| M23391-24-24172 | 38 | 1,1/2" | - 24 | 1,1/2" | 32,0 | 108,0 | 60,5 | 172 |
| M23391-24-32115 | 38 | 1,1/2" | - 24 | 2" | 42,0 | 108,0 | 71,6 | 115 |
| M23391-24-32172 | 38 | 1,1/2" | - 24 | 2" | 42,0 | 108,0 | 71,6 | 172 |
| M23391-32-32203 | 51 | 2" | - 32 | 2" | 42,0 | 129,0 | 71,6 | 203 |

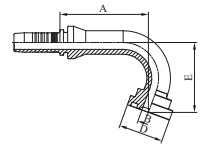
M23301P

110° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

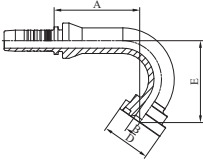
110° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3

110° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 110° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



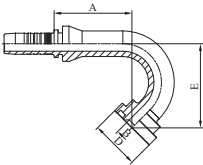
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|------------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M23301-08-12P | 12 | 1/2" | - 08 | 3/4" | 15,0 | 47,5 | 38,0 | 48,5 |
| M23301-12-12P | 19 | 3/4" | - 12 | 3/4" | 15,0 | 89,0 | 38,0 | 62 |
| M23301-12-16P | 19 | 3/4" | - 12 | 1" | 20,0 | 89,0 | 44,6 | 62 |
| M23301-16-16P | 25 | 1" | - 16 | 1" | 19,8 | 88,5 | 44,6 | 79 |
| M23301-16-20133P | 25 | 1" | - 16 | 1,1/4" | 26,0 | 77,0 | 51,0 | 133 |
| M23301-20-20P | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 102,0 | 51,0 | 89 |
| M23301-20-24P | 31 | 1,1/4" | - 20 | 1,1/2" | 32,0 | 108,5 | 60,5 | 93 |
| M23301-24-24119P | 38 | 1,1/2" | - 24 | 1,1/2" | 32,0 | 105,5 | 60,5 | 119 |
| M23301-32-32P | 51 | 2" | - 32 | 2" | 42,0 | 142,0 | 71,6 | 123 |



M23301S

125° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 125° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 125° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA 125° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|------------------|-----------|------|------|--------|---------------|-------|------|-------|--|--|
| | DN | inch | Size | | B | A | D | E | | |
| M23301-32-32151S | 51 | 2" | - 32 | 2" | 42,0 | 118,5 | 71,6 | 151,0 | | |



M23301T

135° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 135° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 135° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA 135° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|---------------|-----------|------|------|--------|---------------|------|------|------|--|--|
| | DN | inch | Size | | B | A | D | E | | |
| M23301-12-12T | 19 | 3/4" | - 12 | 3/4" | 15,0 | 74,5 | 38,0 | 70,0 | | |
| M23301-12-16T | 19 | 3/4" | - 12 | 1" | 20,0 | 74,5 | 44,6 | 70,0 | | |
| M23301-16-16T | 25 | 1" | - 16 | 1" | 19,8 | 70,0 | 44,6 | 88,5 | | |

SAE STANDARD CONNECTIONS

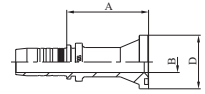
M23611

ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

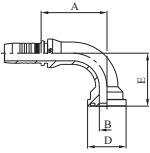
ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

ISO/SAE CODE 62 FLANSCH - SAE J516/ISO 12151-3

FLANGIA ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| 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 | | | |
| M23611-10-16 | 16 | 5/8" | - 10 | 1" | 20,0 | 80,0 | 47,7 | | | |
| 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 | | | |
| M23611-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 82,5 | 47,7 | | | |
| 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° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 61 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3

| 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 | | |
| M23691-10-08 | 16 | 5/8" | - 10 | 1/2" | 9,3 | 57,5 | 31,8 | 45,0 | | |
| 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 | | |
| M23691-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 82,5 | 47,7 | 68,0 | | |
| 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 | | |
| M23691-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 106,0 | 79,6 | 110,5 | | |
| M23691-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 138,0 | 79,6 | 132,0 | | |

MULTIFIT TYPE



SAE STANDARD CONNECTIONS

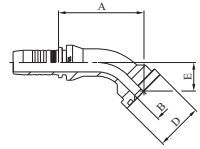
M23641

45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| 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 | | |
| M23641-10-08 | 16 | 5/8" | - 10 | 1/2" | 9,3 | 62,5 | 31,8 | 23,5 | | |
| 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 | | |
| 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 | | |
| M23641-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 129,0 | 79,6 | 55,5 | | |
| M23641-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 151,5 | 79,6 | 60,5 | | |

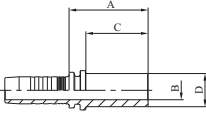
M22010

METRIC STANDPIPE LIGHT DUTY - DIN 2353 / ISO 8434-1

公制立管轻型系列 - DIN 2353 / ISO 8434-1

BEL - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE SERIE LEGGERA - DIN 2353 / ISO 8434-1



| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|------|------|------------------|------|------|---|--|--|--|
| | DN | inch | Size | | D | B | A | C | | | |
| 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 | | | | |
| M22010-05-08 | 8 | 5/16" | - 05 | 8 | 5,5 | 30,0 | 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

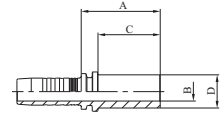
M22110

METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1

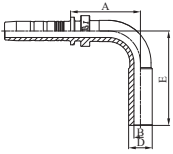
公制立管重型系列 - DIN 2353 / ISO 8434-1

BES - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE SERIE PESANTE - DIN 2353 / ISO 8434-1



| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|------|---------------|------|------|---|--|--|
| | DN | inch | Size | | D | B | A | C | | |
| M22110-03-08 | 5 | 3/16" | - 03 | 8 | 3,0 | 30,6 | 24,0 | | | |
| M22110-03-10 | 5 | 3/16" | - 03 | 10 | 3,0 | 29,5 | 22,0 | | | |
| 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 LIGHT DUTY - DIN 2353 / ISO 8434-1

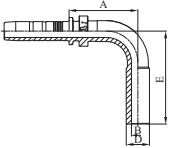
90° 公制立管轻型系列 - DIN 2353 / ISO 8434-1

BEL 90° BOGEN - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE 90° SERIE LEGGERA - DIN 2353 / ISO 8434-1

| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | |
|------------|-----------|------|------|------|------------------|---|---|---|--|
| | DN | inch | Size | | 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 |
| M22090-08-12 | 12 | 1/2" | - 08 | 12 | 8,0 | 34,5 | 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 |
| M22090-10-22 | 16 | 5/8" | - 10 | 22 | 15,0 | 53,5 | 63,0 |
| 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 |



M22190

90° METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1

90° 公制立管重型系列 - DIN 2353 / ISO 8434-1

BES 90° BOGEN - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE 90° SERIE PESANTE - DIN 2353 / ISO 8434-1

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

| | 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 |

DIN STANDARD CONNECTIONS

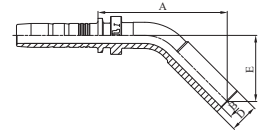
M22040

45° METRIC STANDPIPE LIGHT DUTY - DIN 2353 / ISO 8434-1

45° 公制立管轻型系列 - DIN 2353 / ISO 8434-1

BEL 45° BOGEN - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE 45° SERIE LEGGERA - DIN 2353 / ISO 8434-1



| PART. REF. | HOSE BORE | | | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|------|---------------|------|---|------|--|--|
| | DN | inch | Size | | D | B | A | E | | |
| M22040-03-06 | 5 | 3/16" | - 03 | 6 | 3,0 | 37,5 | | 20,5 | | |
| 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 | | |

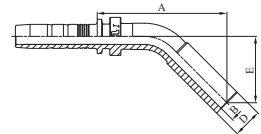
M22140

45° METRIC STANDPIPE HEAVY DUTY - DIN 2353 / ISO 8434-1

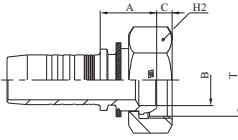
45° 公制立管重型系列 - DIN 2353 / ISO 8434-1

BES 45° BOGEN - DIN 2353 / ISO 8434-1

ESTREMITÀ TUBOLARE 45° SERIE PESANTE - DIN 2353 / ISO 8434-1



| 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 | | |



M21013

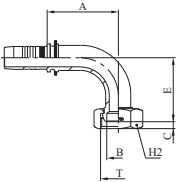
METRIC FEMALE 60° CONE - DIN 20078/3863

公制 60° 锥内螺纹 - DIN 20078/3863

DKM 60° KONUS - DIN 20078/3863

FEMMINA METRICA CONO 60° - DIN 20078/3863

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|----------|------------------|------|-----|---|--|----------------|
| | DN | inch | Size | | T | B | A | C | | H ₂ |
| M21013-10-30 | 16 | 5/8" | - 10 | M 30x1,5 | 20,0 | 20,0 | 8,1 | | | 36 |
| 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 SWEPT ELBOW 60° CONE - DIN 20078/3863

90° 公制 60° 锥内螺纹巨肘弯头 - DIN 20078/3863

DKM 90° BOGEN 60° KONUS - DIN 20078/3863

FEMMINA METRICA 90° CONO 60° - DIN 20078/3863

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|----------|------------------|------|-----|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| 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 |
| M21093-20-45 | 31 | 1.1/4" | - 20 | M 45x1,5 | 33,0 | 92,0 | 8,1 | 81,0 | | 50 |

DIN STANDARD CONNECTIONS

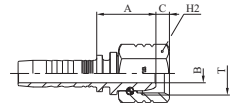
M21312

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

公制内螺纹组合密封 - DIN 20078/3868 (带止推金属丝螺母)

DKL UNIVERSALKONUS - DIN 20078/3868 (GESTIFTETE MUTTER)

FEMMINA METRICA CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO)



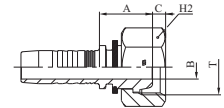
M21313

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

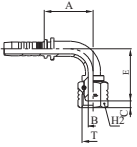
公制内螺纹组合密封 - DIN 20078/3868 (带滑套螺母)

DKL UNIVERSALKONUS - DIN 20078/3868 (HINTERLEGTE MUTTER)

FEMMINA METRICA CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE)

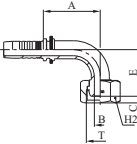


| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS | | | | |
|--------------|-----------|-------|------|----------|------|------------|------|-----|---|----------------|
| | mm | inch | Size | | | mm | B | A | C | H ₂ |
| M21312-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 18,6 | 3,7 | | 14 |
| M21312-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 4,0 | 19,5 | 4,0 | | 17 |
| 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 |
| M21312-06-14 | 10 | 3/8" | - 06 | M 14x1,5 | 8 | 4,0 | 19,5 | 3,9 | | 17 |
| 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 |
| M21312-08-18 | 12 | 1/2" | - 08 | M 18x1,5 | 12 | 7,0 | 23,0 | 5,9 | | 22 |
| 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 |



M21392

90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (THRUST-WIRE NUT)
 90° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带止推金属丝螺母)
 DKL UNIVERSALKONUS 90° BOGEN - DIN 20078/3868 (GESTIFTETE MUTTER)
 FEMMINA METRICA 90° CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO)



M21393

90° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (SLIP-ON NUT)
 90° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带滑套螺母)
 DKL UNIVERSALKONUS 90° BOGEN - DIN 20078/3868 (HINTERLEGTE MUTTER)
 FEMMINA METRICA 90° CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|------|------------------|------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M21393-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 26,0 | 3,7 | 27,0 | | 14 |
| M21392-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 4,0 | 28,0 | 4,0 | 30,5 | | 17 |
| 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 |
| M21393-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 12 | 7,0 | 32,0 | 4,0 | 30,5 | | 22 |
| 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 |
| M21392-12-26 | 19 | 3/4" | - 12 | M 26x1,5 | 18 | 12,5 | 61,5 | 3,6 | 63,0 | | 32 |

DIN STANDARD CONNECTIONS

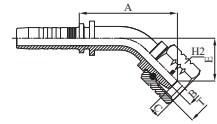
M21342

45° METRIC FEMALE SWEPT ELBOW MULTISEAL DIN 20078/3868 (THRUST-WIRE NUT)

45° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带止推金属丝螺母)

DKL UNIVERSALKONUS 45° BOGEN - DIN 20078/3868 (GESTIFTETE MUTTER)

FEMMINA METRICA 45° CONO UNIVERSALE - DIN 20078/3868 (DADO SPINATO)



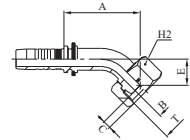
M21343

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

45° 公制内螺纹巨肘弯头组合密封 DIN 20078/3868 (带滑套螺母)

DKL UNIVERSALKONUS 45° BOGEN - DIN 20078/3868 (HINTERLEGTE MUTTER)

FEMMINA METRICA 45° CONO UNIVERSALE - DIN 20078/3868 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | THREAD | PIPE | DIMENSIONS mm | | | | | | |
|--------------|-----------|-------|--------|----------|------------------|------|------|-----|------|---|----------------|
| | DN | inch | | | T | mm | B | A | C | E | H ₂ |
| 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 |
| M21342-05-14 | 8 | 5/16" | - 05 | M 14x1,5 | 8 | 4,0 | 40,0 | 3,9 | 19,5 | | 17 |
| M21343-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 10 | 5,5 | 39,0 | 4,0 | 15,0 | | 19 |
| M21342-06-16 | 10 | 3/8" | - 06 | M 16x1,5 | 10 | 4,0 | 46,0 | 5,0 | 20,0 | | 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 |

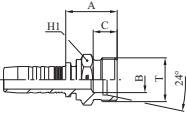
M11110

METRIC MALE 24° CONE SEAT LIGHT DUTY - DIN 20066 / ISO 12151-2

公制外螺纹 24° 锥形底座轻型系列 DIN 20066 / ISO 12151-2

CEL - DIN 20066 / ISO 12151-2

MASCHIO METRICO 24° SERIE LEGGERA - DIN 20066 / ISO 12151-2



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

| | DN | inch | Size | T | mm | B | A | C | | H ₁ | H ₂ |
|--------------|----|--------|------|----------|----|------|------|------|--|----------------|----------------|
| M11110-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 21,0 | 10,0 | | 14 | |
| 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 | |
| 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 | |
| M11110-06-26 | 10 | 3/8" | - 06 | M 26x1,5 | 18 | 12,5 | 26,5 | 12,0 | | 27 | |
| M11110-08-16 | 12 | 1/2" | - 08 | M 16x1,5 | 10 | 7,0 | 24,5 | 11,0 | | 22 | |
| M11110-08-18 | 12 | 1/2" | - 08 | M 18x1,5 | 12 | 9,3 | 24,5 | 11,0 | | 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 | |
| M11110-10-30 | 16 | 5/8" | - 10 | M 30x2 | 22 | 15,0 | 28,5 | 14,0 | | 30 | |
| M11110-12-26 | 19 | 3/4" | - 12 | M 26x1,5 | 18 | 15,0 | 28,5 | 12,0 | | 27 | |
| M11110-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 30,0 | 14,0 | | 30 | |
| M11110-12-36 | 19 | 3/4" | - 12 | M 36x2 | 28 | 19,8 | 31,2 | 14,0 | | 36 | |
| 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

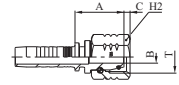
M21512

METRIC O-RING FEMALE 24° CONE LIGHT DUTY - DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

公制内螺纹 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOL - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO SPINATO)



M21513

METRIC O-RING FEMALE 24° CONE LIGHT DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

公制内螺纹 24° 锥带O型圈轻型系列 DIN 20066 / ISO 12151-2 (带滑套螺母)

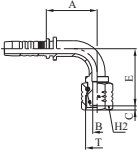
DKOL - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|--------|----------|---------------|------|------|-----|---|----------------|
| | DN | inch | | | T | mm | B | A | C | H ₂ |
| M21513-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 21,9 | 1,7 | | 14 |
| M21513-03-14 | 5 | 3/16" | - 03 | M 14x1,5 | 8 | 4,5 | 24,5 | 1,7 | | 17 |
| 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 |
| 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 |
| M21512-10-18 | 16 | 5/8" | - 10 | M 18x1,5 | 12 | 7,0 | 29,0 | 2,9 | | 22 |
| M21512-10-22 | 16 | 5/8" | - 10 | M 22x1,5 | 15 | 9,5 | 26,5 | 2,4 | | 27 |
| M21513-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 26,0 | 2,5 | | 32 |
| M21513-10-30 | 16 | 5/8" | - 10 | M 30x2 | 22 | 15,0 | 34,0 | 3,6 | | 36 |
| M21513-10-36 | 16 | 5/8" | - 10 | M 36x2 | 28 | 20,0 | 30,5 | 3,8 | | 41 |
| 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 |
| M21512-16-30 | 25 | 1" | - 16 | M 30x2 | 22 | 15,0 | 34,0 | 3,6 | | 36 |
| M21513-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 29,4 | 3,8 | | 41 |
| M21513-16-45 | 25 | 1" | - 16 | M 45x2 | 35 | 26,0 | 39,0 | 5,1 | | 50 |
| M21512-20-36 | 31 | 1.1/4" | - 20 | M 36x2 | 28 | 19,8 | 35,5 | 5,0 | | 41 |
| M21513-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 32,9 | 5,1 | | 50 |
| M21513-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 42 | 32,0 | 32,5 | 5,1 | | 60 |
| M21512-24-45 | 38 | 1.1/2" | - 24 | M 45x2 | 35 | 26,0 | 42,5 | 5,8 | | 50 |
| M21513-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 32,8 | 5,1 | | 60 |

M21592



90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY

DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

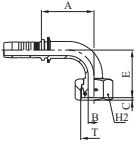
90° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列

DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOL 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO SPINATO)

M21593



90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY

DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

90° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列

DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOL 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|--------|------|---------------|---|---|---|---|----|
| | DN | inch | Size | | | T | B | A | C | E | Hz |

| PART. REF. | DN | inch | Size | T | mm | B | A | C | E | Hz |
|--------------|----|--------|------|----------|----|------|-------|-----|------|----|
| M21593-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 26,0 | 1,7 | 30,0 | 14 |
| M21593-03-14 | 5 | 3/16" | - 03 | M 14x1,5 | 8 | 4,0 | 29,0 | 1,7 | 31,5 | 17 |
| 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 |
| M21592-05-14 | 8 | 5/16" | - 05 | M 14x1,5 | 8 | 4,0 | 31,0 | 1,7 | 33,0 | 17 |
| 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 | 32,5 | 22 |
| M21593-05-22 | 8 | 5/16" | - 05 | M 22x1,5 | 15 | 9,3 | 36,0 | 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 |
| 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 |
| M21593-08-26 | 12 | 1/2" | - 08 | M 26x1,5 | 18 | 12,5 | 45,0 | 2,5 | 40,0 | 32 |
| M21592-10-22 | 16 | 5/8" | - 10 | M 22x1,5 | 15 | 9,3 | 53,5 | 3,0 | 57,5 | 27 |
| 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 |
| M21592-12-26 | 19 | 3/4" | - 12 | M 26x1,5 | 18 | 12,5 | 61,5 | 3,6 | 63,0 | 32 |
| M21593-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 61,5 | 3,6 | 59,0 | 36 |
| M21593-12-36 | 19 | 3/4" | - 12 | M 36x2 | 28 | 19,8 | 61,5 | 3,8 | 61,0 | 41 |
| M21592-16-30 | 25 | 1" | - 16 | M 30x2 | 22 | 15,0 | 79,5 | 3,6 | 80,5 | 36 |
| M21593-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 76,5 | 3,8 | 69,5 | 41 |
| M21593-16-45 | 25 | 1" | - 16 | M 45x2 | 35 | 26,0 | 79,0 | 5,1 | 72,0 | 50 |
| M21592-20-36 | 31 | 1.1/4" | - 20 | M 36x2 | 28 | 19,8 | 93,5 | 5,0 | 92,0 | 41 |
| M21593-20-45 | 31 | 1.1/4" | - 20 | M 45x2 | 35 | 26,0 | 93,5 | 5,1 | 81,0 | 50 |
| M21592-24-36 | 38 | 1.1/2" | - 24 | M 36x2 | 28 | 19,8 | 97,0 | 5,0 | 68,0 | 41 |
| M21593-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 42 | 32,0 | 107,5 | 5,1 | 98,0 | 60 |

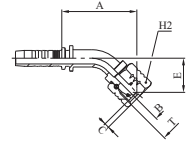
DIN STANDARD CONNECTIONS

M21542

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY
DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

45° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列
DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOL 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)
FEMMINA METRICA 45° CONO 24° O-RING SERIE LEGGERA
DIN 20066 / ISO 12151-2 (DADO SPINATO)

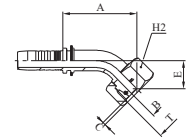


M21543

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE LIGHT DUTY
DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

45° 公制内螺纹巨肘弯头 24° 锥带O型圈轻型系列
DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOL 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)
FEMMINA METRICA 45° CONO 24° O-RING SERIE LEGGERA DIN 20066 / ISO 12151-2 (DADO PASSANTE)



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

| | DN | inch | Size | T | mm | B | A | C | E | H ₂ |
|--------------|----|--------|------|----------|----|------|-------|-----|------|----------------|
| M21543-03-12 | 5 | 3/16" | - 03 | M 12x1,5 | 6 | 3,0 | 35,0 | 1,7 | 16,0 | 14 |
| M21542-04-12 | 6 | 1/4" | - 04 | M 12x1,5 | 6 | 3,0 | 39,0 | 2,2 | 18,0 | 17 |
| 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 |
| M21543-04-18 | 6 | 1/4" | - 04 | M 18x1,5 | 12 | 7,0 | 38,5 | 2,3 | 17,5 | 22 |
| 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 |
| M21542-08-18 | 12 | 1/2" | - 08 | M 18x1,5 | 12 | 7,0 | 56,5 | 2,9 | 25,0 | 22 |
| M21543-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 15 | 9,3 | 52,0 | 2,3 | 19,0 | 27 |
| M21543-08-26 | 12 | 1/2" | - 08 | M 26x1,5 | 18 | 12,5 | 52,5 | 2,5 | 19,5 | 32 |
| M21542-10-22 | 16 | 5/8" | - 10 | M 22x1,5 | 15 | 9,3 | 65,5 | 2,4 | 29,0 | 27 |
| M21543-10-26 | 16 | 5/8" | - 10 | M 26x1,5 | 18 | 12,5 | 62,0 | 2,5 | 26,5 | 32 |
| M21542-12-26 | 19 | 3/4" | - 12 | M 26x1,5 | 18 | 12,5 | 73,0 | 3,6 | 31,0 | 32 |
| M21543-12-30 | 19 | 3/4" | - 12 | M 30x2 | 22 | 15,0 | 71,0 | 3,6 | 28,5 | 36 |
| M21543-12-36 | 19 | 3/4" | - 12 | M 36x2 | 28 | 19,8 | 72,0 | 3,8 | 30,0 | 41 |
| M21543-16-36 | 25 | 1" | - 16 | M 36x2 | 28 | 19,8 | 85,0 | 3,8 | 32,0 | 41 |
| M21542-20-36 | 31 | 1 1/4" | - 20 | M 36x2 | 28 | 19,8 | 107,5 | 5,0 | 44,0 | 41 |
| M21543-20-45 | 31 | 1 1/4" | - 20 | M 45x2 | 35 | 26,0 | 99,5 | 5,1 | 36,0 | 50 |
| M21542-24-36 | 38 | 1 1/2" | - 24 | M 36x2 | 28 | 19,8 | 117,5 | 5,0 | 37,0 | 41 |
| M21543-24-52 | 38 | 1 1/2" | - 24 | M 52x2 | 42 | 32,0 | 117,0 | 5,1 | 44,5 | 60 |

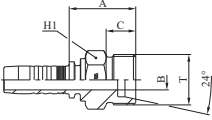
M11210

METRIC MALE 24° CONE SEAT HEAVY DUTY - DIN 20066 / ISO 12151-2

公制外螺纹 24° - 锥形底座重型系列 DIN 20066 / ISO 12151-2

CES - DIN 20066 / ISO 12151-2

MASCHIO METRICO 24° - SERIE PESANTE DIN 20066 / ISO 12151-2



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

| | DN | inch | Size | T | mm | B | A | C | | H ₁ | |
|--------------|----|--------|------|----------|----|------|------|------|--|----------------|--|
| 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 | |
| M11210-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 12 | 7,0 | 29,0 | 12,0 | | 22 | |
| M11210-05-16 | 8 | 5/16" | - 05 | M 16x1,5 | 8 | 5,5 | 26,0 | 12,0 | | 17 | |
| M11210-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 10 | 7,0 | 26,5 | 12,0 | | 19 | |
| 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 | |
| M11210-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 14 | 9,3 | 31,5 | 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 | |
| M11210-10-36 | 16 | 5/8" | - 10 | M 36x2 | 25 | 19,8 | 40,0 | 18,0 | | 36 | |
| 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

METRIC O-RING FEMALE 24° CONE HEAVY DUTY

DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

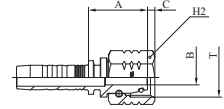
公制内螺纹 24° 锥带O型圈重型系列

DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOS - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA CONO 24° O-RING SERIE PESANTE

DIN 20066 / ISO 12151-2 (DADO SPINATO)



M21613

METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

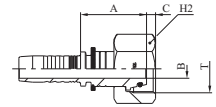
公制内螺纹 24° 锥带O型圈重型系列

DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOS - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA CONO 24° O-RING SERIE PESANTE

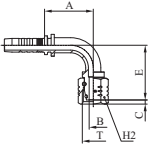
DIN 20066 / ISO 12151-2 (DADO PASSANTE)



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

| | DN | inch | Size | T | mm | B | A | C | | | H ₂ |
|--------------|----|--------|------|----------|----|------|------|-----|--|--|----------------|
| M21613-03-14 | 5 | 3/16" | - 03 | M 14x1,5 | 6 | 2,5 | 25,5 | 3,5 | | | 17 |
| 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 |
| M21613-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 10 | 7,0 | 28,5 | 3,0 | | | 22 |
| 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 |
| M21613-06-24 | 10 | 3/8" | - 06 | M 24x1,5 | 16 | 7,0 | 32,0 | 3,0 | | | 30 |
| M21612-08-20 | 12 | 1/2" | - 08 | M 20x1,5 | 12 | 7,0 | 29,0 | 2,5 | | | 24 |
| M21612-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 14 | 7,0 | 27,5 | 2,5 | | | 27 |
| M21613-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 26,7 | 3,0 | | | 30 |
| M21613-08-30 | 12 | 1/2" | - 08 | M 30x2 | 20 | 12,5 | 37,0 | 3,5 | | | 36 |
| M21612-10-24 | 16 | 5/8" | - 10 | M 24x1,5 | 16 | 9,3 | 29,5 | 4,0 | | | 30 |
| M21613-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,5 | 30,6 | 3,5 | | | 36 |
| M21613-10-36 | 16 | 5/8" | - 10 | M 36x2 | 25 | 15,0 | 40,0 | 4,5 | | | 41 |
| M21612-12-24 | 19 | 3/4" | - 12 | M 24x1,5 | 16 | 9,3 | 30,5 | 4,0 | | | 30 |
| 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 |
| M21612-16-30 | 25 | 1" | - 16 | M 30x2 | 20 | 12,5 | 34,5 | 2,2 | | | 36 |
| 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 |

M21692



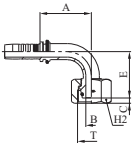
90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY
DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列
DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO)

M21693



90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY
DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列
DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE)

| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|--------|------|---------------|----|---|---|---|---|
| | DN | inch | Size | | | T | mm | B | A | C | E |

| PART. REF. | DN | inch | Size | T | mm | B | A | C | E | H ₂ |
|--------------|----|--------|------|----------|----|------|------|-----|------|----------------|
| M21693-03-14 | 5 | 3/16" | - 03 | M 14x1,5 | 6 | 3,0 | 26,0 | 3,5 | 30,0 | 17 |
| M21693-03-16 | 5 | 3/16" | - 03 | M 16x1,5 | 8 | 3,0 | 26,0 | 3,4 | 29,5 | 19 |
| M21693-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 6 | 3,0 | 29,5 | 3,5 | 32,5 | 17 |
| 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 |
| M21693-04-20 | 6 | 1/4" | - 04 | M 20x1,5 | 12 | 5,5 | 29,5 | 2,5 | 34,5 | 24 |
| M21693-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 10 | 4,0 | 32,0 | 3,0 | 33,5 | 22 |
| M21693-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 5,5 | 32,0 | 2,5 | 34,0 | 24 |
| M21692-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 10 | 4,0 | 35,5 | 3,9 | 42,5 | 22 |
| 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 |
| M21693-06-24 | 10 | 3/8" | - 06 | M 24x1,5 | 16 | 9,3 | 36,5 | 3,0 | 36,0 | 30 |
| M21692-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 14 | 7,0 | 44,0 | 2,5 | 48,5 | 27 |
| M21693-08-24 | 12 | 1/2" | - 08 | M 24x1,5 | 16 | 9,3 | 45,0 | 3,0 | 40,5 | 30 |
| M21693-08-30 | 12 | 1/2" | - 08 | M 30x2 | 20 | 12,5 | 45,0 | 3,5 | 44,5 | 36 |
| M21692-10-24 | 16 | 5/8" | - 10 | M 24x1,5 | 16 | 9,3 | 55,0 | 4,0 | 60,0 | 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 |
| M21692-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 38 | 24,7 | 91,5 | 8,8 | 95,5 | 60 |

DIN STANDARD CONNECTIONS

M21642

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY

DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

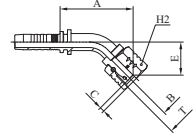
45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列

DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE

DIN 20066 / ISO 12151-2 (DADO SPINATO)



M21643

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY

DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

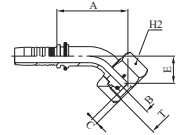
45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列

DIN 20066 / ISO 12151-2 (带滑套螺母)

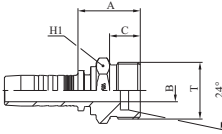
DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE

DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | THREAD | PIPE | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|--------|----------|---------------|------|-------|-----|------|---|----|
| | DN | inch | | | Size | T | mm | B | A | C | E |
| M21643-04-14 | 6 | 1/4" | - 04 | M 14x1,5 | 6 | 3,0 | 38,5 | 3,5 | 17,5 | | 17 |
| 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 |
| M21643-05-18 | 8 | 5/16" | - 05 | M 18x1,5 | 10 | 4,0 | 42,5 | 3,0 | 18,0 | | 22 |
| M21643-05-20 | 8 | 5/16" | - 05 | M 20x1,5 | 12 | 5,5 | 42,5 | 2,5 | 18,5 | | 24 |
| M21642-06-18 | 10 | 3/8" | - 06 | M 18x1,5 | 10 | 4,0 | 49,0 | 3,9 | 23,0 | | 22 |
| 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 |
| M21642-08-22 | 12 | 1/2" | - 08 | M 22x1,5 | 14 | 7,0 | 57,5 | 2,5 | 25,5 | | 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 |
| M21642-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 15,0 | 98,0 | 1,7 | 43,5 | | 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 |

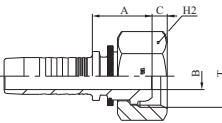


M11710

FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE
 法国外螺纹 24° 锥形底座毫米公制型
 AGF 24° INNENKONUS (FR. REIHE MILL.)
 MASCHIO METRICO 24° SERIE MILLIMETRICA FRANCESE

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

| | DN | inch | Size | T | mm | 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 |

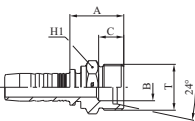


M21713

FRENCH METRIC FEMALE MILLIMETRIC TYPE (SLIP-ON NUT)
 法国内螺纹毫米公制型 (滑套螺母)
 DKFM (FR. REIHE MILL., HINTERLEGTE MUTTER)
 FEMMINA METRICA SERIE MILLIMETRICA FRANCESE (DADO PASSANTE)

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

| | DN | inch | Size | T | mm | 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 |



M11810

FRENCH METRIC MALE 24° CONE SEAT GAZ TYPE
 法国外螺纹 24° 锥形底座 GAZ 型
 AGF 24° INNENKONUS (FR. REIHE GAS)
 MASCHIO METRICO 24° SERIE GAZ FRANCESE

| 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 |

NF STANDARD CONNECTIONS

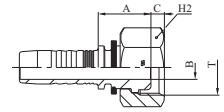
M21813

FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)

法国内螺纹公制 GAZ 型 (滑套螺母)

DKF (FR. REIHE GAS, HINTERLEGTE MUTTER)

FEMMINA METRICA SERIE GAZ FRANCESE (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|-------|---------------|------|-----|--|--|----------------|
| | DN | inch | Size | T | mm | B | A | C | | | H ₂ |
| 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 |

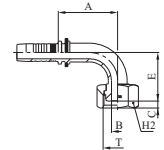
M21893

90° FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)

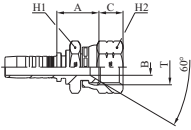
90° 法国公制内螺纹 GAZ 型 (滑套螺母)

DKF 90° BOGEN (FR. REIHE MILL., HINTERLEGTE MUTTER)

FEMMINA METRICA 90° SERIE GAZ FRANCESE (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|-------|------|----------|-------|---------------|------|-----|------|--|----------------|
| | DN | inch | Size | T | mm | B | A | C | E | | H ₂ |
| 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 |



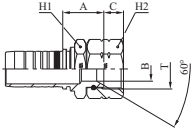
M24011

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

JIS 公制内螺纹 60° 锥形底座 (小松标准) JIS B 8363 (扣压-支撑螺母)

DK KOMATSU MIT 60° KONUS (NACH JIS B 8363, PRESSMUTTER)

FEMMINA METRICA GIAPPONESE CONO 60° TIPO KOMATSU JIS B 8363 (DADO PRESSATO)



M24012

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

JIS 公制内螺纹 60° 锥形底座 (小松标准) JIS B 8363 (带止推金属丝螺母)

DK KOMATSU MIT 60° KONUS (NACH JIS B 8363, GESTIFTETE MUTTER)

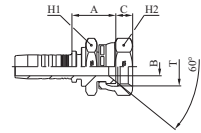
FEMMINA METRICA GIAPPONESE CONO 60° TIPO KOMATSU JIS B 8363 (DADO SPINATO)

| 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

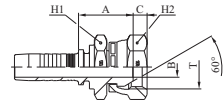
JIS BSP FEMALE 60° CONE SEAT (TOYOTA) - JIS B 8363 (CRIMPED-BACK NUT)
 JIS BSP 英制内螺纹 60° 锥形底座 (丰田标准) - JIS B 8363 (带扣压-支撑螺母)
 DK TOYOTA MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, PRESSMUTTER)
 FEMMINA GAS GIAPPONESE CONO 60° TIPO TOYOTA JIS B 8363 (DADO PRESSATO)



| 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 |

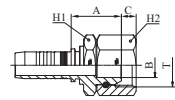
M20711

JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (CRIMPED-BACK NUT)
 JIS BSP 英制内螺纹 60° 锥 (尼桑标准) - JIS B 8363 (带扣压-支撑螺母)
 DK NISSAN MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, PRESSMUTTER)
 FEMMINA GIAPPONESE CONO 60° TIPO NISSAN JIS B 8363 (DADO PRESSATO)



M20712

JIS BSP FEMALE 60° CONE (NISSAN) - JIS B 8363 (THRUST-WIRE NUT)
 JIS BSP 英制内螺纹 60° 锥 (尼桑标准) - JIS 8363 (带止推金属丝螺母)
 DK NISSAN MIT 60° KONUS MIT KONTERSECHSKANT (NACH JIS B 8363, GESTIFTETE MUTTER)
 FEMMINA GIAPPONESE CONO 60° TIPO NISSAN JIS B 8363 (DADO SPINATO)



| 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 |
| M20712-10-08 | 16 | 5/8" | - 10 | 1/2" - 14 | 9,3 | 28,8 | 6,5 | | 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 |
| M20712-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,8 | 35,5 | 10,5 | | 38 | 38 |

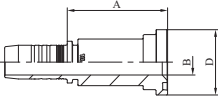
M24111

STRAIGHT KOMATSU FLANGE

小松直式法兰

FLANSCH GERADE KOMATSU

FLANGIA DRITTA SERIE KOMATSU



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|--------|------------------|------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M24111-08-10 | 12 | 1/2" | - 08 | 5/8" | 14,0 | 66,0 | 34,0 | | | |
| M24111-10-10 | 16 | 5/8" | - 10 | 5/8" | 14,0 | 65,7 | 34,0 | | | |
| M24111-12-10 | 19 | 3/4" | - 12 | 5/8" | 14,0 | 66,5 | 34,0 | | | |

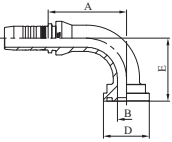
M24191

90° KOMATSU FLANGE

90° 度小松法兰

FLANSCH 90° BOGEN KOMATSU

FLANGIA 90° SERIE 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 | | |
| M24191-12-10 | 19 | 3/4" | - 12 | 5/8" | 14,0 | 56,0 | 34,0 | 47,5 | | |

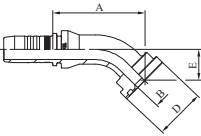
M24141

45° KOMATSU FLANGE

45° 度小松法兰

FLANSCH 45° BOGEN KOMATSU

FLANGIA 45° SERIE 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 | | |

MULTIFIT TYPE



ORIGINAL EQUIPMENT CONNECTIONS

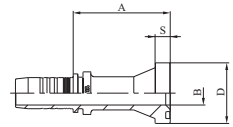
M23911

STRAIGHT SUPERCAT FLANGE

山猫直式法兰

FLANSCH GERADE SUPERCAT

FLANGIA DITTA SERIE 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 | | |

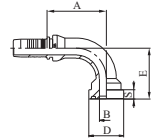
M23991

90° SUPERCAT FLANGE

90° 度山猫法兰

FLANSCH 90° BOGEN SUPERCAT

FLANGIA 90° SERIE 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 | |

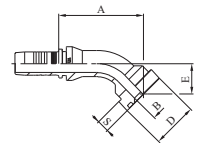
M23941

45° SUPERCAT FLANGE

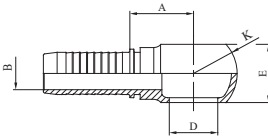
45° 度山猫法兰

FLANSCH 45° BOGEN SUPERCAT

FLANGIA 45° SERIE SUPERCAT



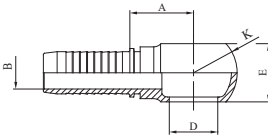
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|------|------|--|
| | DN | inch | Size | | B | A | D | E | S | |
| M23941-12-12 | 19 | 3/4" | - 12 | 3/4" | 15,0 | 77,0 | 41,5 | 32,0 | 14,3 | |
| M23941-16-16 | 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 绞接式接头
 RINGNIPPEL, ZÖLLIG (BSP GEWINDE)
 OCCHIELLO GAS

| 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 |
| O20310-04-06 | 6 | 1/4" | - 04 | 3/8" - 19 | 4,1 | 21 | 16,7 | 18,0 | 28,0 |
| O20310-05-04 | 8 | 5/16" | - 05 | 1/4" - 19 | 5,1 | 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
 公制绞接式 - DIN 7642
 RINGNIPPEL, METRISCH - DIN 7642
 OCCHIELLO METRICO - 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 |

ACCESSORIES

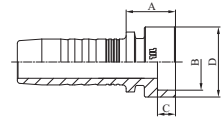
M..IP

BRAZING TAIL

铜焊接头插芯

EINLÖTNIPPEL

INSERTO A SALDARE



| 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 | | |

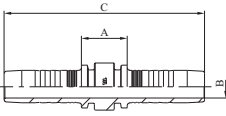
M10050

DOUBLE CONNECTOR

双插芯接头

SCHLAUCHVERBINDER - DOPPELNIPPEL

DOPPIO INSERTO

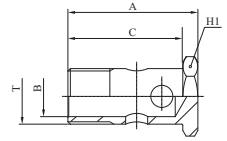


| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|------|------------------|------|-------|--|--|--|--|
| | DN | inch | Size | B | A | C | | | | |
| M10050-03-03 | 5 | 3/16" | - 03 | 3,0 | 15,5 | 58,5 | | | | |
| M10050-04-04 | 6 | 1/4" | - 04 | 4,0 | 14,0 | 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 | | | | |
| M10050-20-20 | 31 | 1.1/4" | - 20 | 26,0 | 23,0 | 128,0 | | | | |
| M10050-24-24 | 38 | 1.1/2" | - 24 | 32,0 | 23,5 | 147,5 | | | | |

ACCESSORIES

O80210

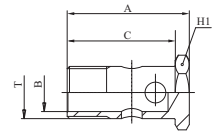
BSP BOLT
 BSP 螺栓
 HOHLSCHRAUBE ZÖLLIG
 VITE GAS FORATA



| PART. REF. | HOSE BORE | DIMENSIONS mm | | | | | | | |
|------------|-----------|---------------|------|------|------|--|----------------|--|--|
| | | T | B | A | C | | H ₁ | | |
| O80210-04 | | 1/4" - 19 | 7,0 | 32,0 | 25,0 | | 17 | | |
| O80210-06 | | 3/8" - 19 | 9,0 | 38,0 | 31,0 | | 22 | | |
| O80210-08 | | 1/2" - 14 | 13,0 | 46,0 | 38,0 | | 27 | | |
| O80210-10 | | 5/8" - 14 | 13,5 | 49,0 | 41,0 | | 30 | | |
| O80210-12 | | 3/4" - 14 | 17,0 | 56,0 | 46,0 | | 32 | | |
| O80210-16 | | 1" - 11 | 22,0 | 69,0 | 58,0 | | 41 | | |

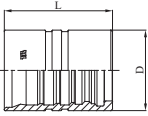
O80810

METRIC BOLT - DIN 7643
 公制螺栓 - DIN 7643
 HOHLSCHRAUBE - METRISCH - DIN 7643
 VITE METRICA FORATA - DIN 7643



| PART. REF. | HOSE BORE | DIMENSIONS mm | | | | | | | |
|------------|-----------|---------------|------|------|------|--|----------------|--|--|
| | | T | B | A | C | | H ₁ | | |
| O80810-12 | | M12 x 1,5 | 6,0 | 28,0 | 23,0 | | 17 | | |
| O80810-14 | | M14 x 1,5 | 8,0 | 32,0 | 25,0 | | 19 | | |
| O80810-16 | | M16 x 1,5 | 9,0 | 38,0 | 31,0 | | 22 | | |
| O80810-18 | | M18 x 1,5 | 11,0 | 44,0 | 36,0 | | 24 | | |
| O80810-22 | | M22 x 1,5 | 13,0 | 46,0 | 38,0 | | 27 | | |
| O80810-26 | | M26 x 1,5 | 17,0 | 56,0 | 46,0 | | 32 | | |

M01500



DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY)

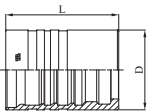
重型缠绕软管(四层) 双面剥胶套筒

PRESSFASSUNG INNEN- UND AUSSENSCHÄLUNG FÜR HÖCHSTDRUCKSCHLÄUCHE (4-LAGIG)

GHIERA PER TUBI SPIRALATI CON DOPPIA PELATURA (4 SPIRALI)

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|-------|--|--|--|--|
| | DN | inch | Size | D | L | | | | |
| M01500-10 | 16 | 5/8" | - 10 | 35,0 | 40,9 | | | | |
| M01500-12 | 19 | 3/4" | - 12 | 40,0 | 51,4 | | | | |
| M01500-16 | 25 | 1" | - 16 | 48,0 | 64,5 | | | | |
| M01500-20 | 31 | 1.1/4" | - 20 | 57,0 | 84,0 | | | | |
| M01500-24 | 38 | 1.1/2" | - 24 | 64,3 | 94,0 | | | | |
| M01500-32 | 51 | 2" | - 32 | 83,5 | 107,0 | | | | |

M01600



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

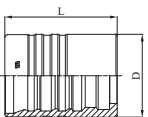
重型缠绕软管(6层) 双面剥胶套筒

PRESSFASSUNG INNEN- UND AUSSENSCHÄLUNG FÜR HÖCHSTDRUCKSCHLÄUCHE (6-LAGIG)

GHIERA PER TUBI SPIRALATI CON DOPPIA PELATURA (6 SPIRALI)

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|------|--|--|--|--|
| | DN | inch | Size | D | L | | | | |
| M01600-20 | 31 | 1.1/4" | - 20 | 60,0 | 85,0 | | | | |
| M01600-24 | 38 | 1.1/2" | - 24 | 68,0 | 96,0 | | | | |

M01800



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

超重型缠绕软管(六层) 双面剥胶套筒

PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (6-LAGIG)

GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI

(6 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|--------|------|------------------|-------|--|--|--|--|
| | DN | inch | Size | D | L | | | | |
| M01800-20 | 31 | 1.1/4" | - 20 | 64,5 | 88,2 | | | | |
| M01800-32 | 51 | 2" | - 32 | 86,5 | 108,0 | | | | |

INTERLOCK PLUS TYPE



BS STANDARD CONNECTIONS

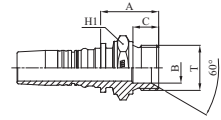
M30510

BSP MALE PARALLEL 60° CONE SEAT - BS5200 / ISO 8434-6

BSP 平行外螺纹 (60° 锥形底座) - BS5200 / ISO 8434-6

AGR 60° INNENKONUS - BS5200/ISO 8464-6

MASCHIO GAS CILINDRICO CONO 60° - BS5200 / ISO 8434-6



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₁ | |
| M30510-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 17,0 | 36,9 | 16,0 | | 32 | |
| M30510-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 22,5 | 43,0 | 19,0 | | 41 | |
| M30510-16-16 | 25 | 1" | - 16 | 1" - 11 | 22,5 | 42,8 | 19,0 | | 41 | |
| M30510-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 29,0 | 47,5 | 20,0 | | 50 | |
| M30510-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 28,5 | 50,5 | 20,0 | | 50 | |
| M30510-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 33,5 | 54,4 | 22,0 | | 55 | |
| M30510-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 57,8 | 25,0 | | 70 | |

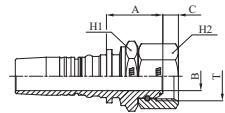
M40812

BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6 (THRUST-WIRE NUT)

BSP O-RING 型圈内螺纹 (60° 锥) - BS5200 / ISO 12151-6 (带止推金属丝螺母)

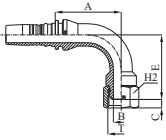
DKOR 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER)

FEMMINA GAS CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M40812-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,5 | 38,8 | 8,5 | | 32 | 32 |
| M40812-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,0 | 40,0 | 10,6 | | 32 | 41 |
| M40812-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 40,0 | 8,5 | | 38 | 32 |
| M40812-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,5 | 44,4 | 10,6 | | 41 | 41 |
| M40812-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 26,0 | 43,5 | 10,1 | | 41 | 50 |
| M40812-20-16 | 31 | 1.1/4" | - 20 | 1" - 11 | 19,0 | 50,0 | 10,6 | | 50 | 41 |
| M40812-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 25,0 | 52,4 | 10,1 | | 50 | 50 |
| M40812-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" - 11 | 32,0 | 51,5 | 12,5 | | 50 | 60 |
| M40812-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" - 11 | 26,0 | 52,5 | 10,1 | | 60 | 50 |
| M40812-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 51,3 | 12,5 | | 60 | 60 |
| M40812-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 51,6 | 16,1 | | 70 | 70 |

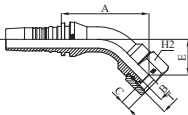
M40892



90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 90° O型圈 BSP 内螺纹巨肘弯头 (60° 锥)
 BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKOR 90° BOGEN 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER)
 FEMMINA GAS 90° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M40892-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,5 | 72,4 | 8,5 | 70,0 | | 32 |
| M40892-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,0 | 72,0 | 10,6 | 71,0 | | 41 |
| M40892-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,5 | 82,2 | 10,6 | 80,5 | | 41 |
| M40892-16-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 25,0 | 95,0 | 10,1 | 78,5 | | 50 |
| M40892-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 25,0 | 98,5 | 10,1 | 98,0 | | 50 |
| M40892-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 111,5 | 12,5 | 109,0 | | 60 |
| M40892-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 143,2 | 16,1 | 140,5 | | 70 |

M40842



45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6 (THRUST-WIRE NUT)
 45° O型圈 BSP 内螺纹巨肘弯头 (60° 锥)
 BS5200 / ISO 12151-6 (带止推金属丝螺母)
 DKOR 45° BOGEN 60° KONUS MIT O-RING - BS5200 / ISO 12151-6 (STIFTMUTTER)
 FEMMINA GAS 45° CONO 60° O-RING - BS5200 / ISO 12151-6 (DADO SPINATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|-------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M40842-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 14,5 | 88,0 | 8,5 | 35,0 | | 32 |
| M40842-12-16 | 19 | 3/4" | - 12 | 1" - 11 | 19,0 | 89,5 | 10,6 | 36,5 | | 41 |
| M40842-16-12 | 25 | 1" | - 16 | 3/4" - 14 | 15,0 | 105,5 | 8,5 | 36,0 | | 32 |
| M40842-16-16 | 25 | 1" | - 16 | 1" - 11 | 19,5 | 97,0 | 10,6 | 40,0 | | 41 |
| M40842-16-20 | 25 | 1" | - 16 | 1.1/4" - 11 | 26,0 | 108,5 | 10,1 | 38,0 | | 50 |
| M40842-20-16 | 31 | 1.1/4" | - 20 | 1"-11 | 19,0 | 118,0 | 10,6 | 47,5 | | 41 |
| M40842-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11 | 25,0 | 120,0 | 10,1 | 49,5 | | 50 |
| M40842-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" - 11 | 32,0 | 114,5 | 12,5 | 40,0 | | 60 |
| M40842-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11 | 32,0 | 126,5 | 12,5 | 50,0 | | 60 |
| M40842-32-32 | 51 | 2" | - 32 | 2" - 11 | 42,0 | 162,6 | 16,1 | 66,5 | | 70 |

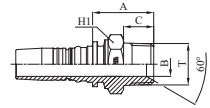
INTERLOCK PLUS TYPE



SAE STANDARD CONNECTIONS

M32810

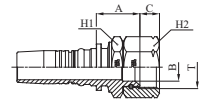
NPTF MALE 60° CONE SEAT - SAE J516/J514
 NPTF 外螺纹 60° 锥形底座 - SAE J516/J514
 AGN 60° INNENKONUS (NPTF-GEWINDE) - SAE J516/J514
 MASCHIO NPTF CONO 60° - SAE J516/J514



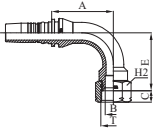
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|---------------|---------------|------|------|----|----|
| | DN | inch | Size | | T | B | A | C | H1 |
| M32810-12-12 | 19 | 3/4" | - 12 | 3/4" - 14 | 16,0 | 42,9 | 19,2 | 32 | |
| M32810-16-16 | 25 | 1" | - 16 | 1" - 11,5 | 19,5 | 49,3 | 24,2 | 41 | |
| M32810-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" - 11,5 | 26,0 | 61,0 | 25,0 | 46 | |
| M32810-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" - 11,5 | 32,0 | 62,6 | 26,0 | 50 | |
| M32810-32-32 | 51 | 2" | - 32 | 2" - 11,5 | 42,0 | 66,8 | 26,5 | 70 | |

M42512

JIC FEMALE 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 JIC 内螺纹 37° 锥形底座 - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 JDJ 37° KONUS - SAE J516 / ISO 12151-5 (KONTERSECHSKANT UND STIFTMUTTER)
 FEMMINA JIC CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)



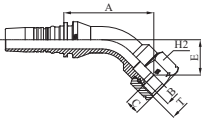
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|---------------|------|------|----|----|----|
| | DN | inch | Size | | T | B | A | C | H1 | H2 |
| M42512-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 36,2 | 14,2 | 32 | 32 | |
| M42512-12-16 | 19 | 3/4" | - 16 | 1.5/16" - 12 | 21,7 | 33,0 | 15,2 | 41 | 41 | |
| M42512-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 40,7 | 15,2 | 41 | 41 | |
| M42512-16-20 | 25 | 1" | - 16 | 1.5/8" - 12 | 26,0 | 50,0 | 16,2 | 50 | 50 | |
| M42512-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 51,4 | 16,2 | 50 | 50 | |
| M42512-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 30,5 | 54,0 | 18,8 | 55 | 60 | |
| M42512-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 31,0 | 54,5 | 18,8 | 55 | 60 | |
| M42512-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 54,2 | 24,0 | 70 | 75 | |



M42592

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 90° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 JDJ 90° BOGEN, 37° KONUS - SAE J516 / ISO 12151-5 (STIFTMUTTER)
 FEMMINA JIC 90° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M42592-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 72,4 | 14,2 | 66,0 | | 32 |
| M42592-12-16 | 19 | 3/4" | - 12 | 1.5/16" - 12 | 21,7 | 72,5 | 15,2 | 71,5 | | 41 |
| M42592-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 82,3 | 15,2 | 77,5 | | 41 |
| M42592-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 98,5 | 16,2 | 92,0 | | 50 |
| M42592-20-24 | 31 | 1.1/4" | - 20 | 1.7/8" - 12 | 32,0 | 101,5 | 18,8 | 108,0 | | 60 |
| M42592-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 115,5 | 18,8 | 106,0 | | 60 |
| M42592-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 144,7 | 24,0 | 137,0 | | 75 |



M42542

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)
 45° JIC 内螺纹巨肘弯头 (37° 锥形底座) - SAE J516 / ISO 12151-5 (带止推金属丝螺母)
 DKJ 45° BOGEN 37° KONUS - SAE J516 / ISO 12151-5 (STIFTMUTTER)
 FEMMINA JIC 45° CONO 37° - SAE J516 / ISO 12151-5 (DADO SPINATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M42542-12-12 | 19 | 3/4" | - 12 | 1.1/16" - 12 | 15,0 | 86,0 | 14,2 | 33,0 | | 32 |
| M42542-16-16 | 25 | 1" | - 16 | 1.5/16" - 12 | 21,7 | 95,0 | 15,2 | 37,0 | | 41 |
| M42542-20-20 | 31 | 1.1/4" | - 20 | 1.5/8" - 12 | 26,0 | 115,5 | 16,2 | 45,0 | | 50 |
| M42542-24-24 | 38 | 1.1/2" | - 24 | 1.7/8" - 12 | 32,0 | 126,5 | 18,8 | 50,0 | | 60 |
| M42542-32-32 | 51 | 2" | - 32 | 2.1/2" - 12 | 42,0 | 161,0 | 24,0 | 63,5 | | 75 |

INTERLOCK PLUS TYPE



SAE STANDARD CONNECTIONS

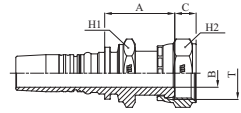
M42411

ORFS FEMALE - SAE J516 / ISO 12151-1 PULLBACK TYPE (CRIMPED BACK-NUT)

ORFS 内螺纹 - SAE J516 / ISO 12151-1 回拉式 (带扣压-支撑螺母)

ORFS IG - SAE J516 / ISO 12151-1 RÜCKZUGSAUSFÜHRUNG (VERPRESSTE MUTTER)

FEMMINA ORFS - SAE J516 / ISO 12151-1 VERSIONE RETRAIBILE (DADO PRESSATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M42411-10-10 | 16 | 5/8" | - 10 | 1" - 14 | 11,5 | 39,5 | 13,5 | | 24 | 30 |
| M42411-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 45,9 | 14,5 | | 32 | 36 |
| M42411-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,0 | 46,5 | 15,0 | | 36 | 41 |
| M42411-16-12 | 25 | 1" | - 16 | 1.3/16" - 12 | 14,5 | 47,5 | 14,5 | | 38 | 36 |
| M42411-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 48,5 | 15,0 | | 41 | 41 |
| M42411-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 24,0 | 48,5 | 14,8 | | 41 | 50 |
| M42411-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 54,8 | 14,8 | | 50 | 50 |
| M42411-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 57,8 | 15,8 | | 60 | 60 |

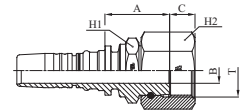
M42412

ORFS FEMALE - SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE NUT)

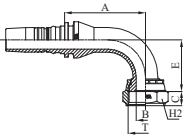
ORFS 内螺纹 - SAE J516 / ISO 12151-1 重型 (带止推金属丝螺母)

ORFS MUTTER GESTIFTET - SAE J516 / ISO 12151-1 SCHWERE REIHE (THRUST-WIRE NUT)

FEMMINA ORFS - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)



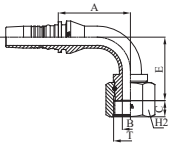
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|------|------|---|----------------|----------------|
| | DN | inch | Size | | T | B | A | C | H ₁ | H ₂ |
| M42412-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 37,0 | 14,0 | | 32 | 36 |
| M42412-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 42,0 | 15,0 | | 41 | 46 |
| M42412-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 52,0 | 15,0 | | 50 | 55 |
| M42412-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 55,0 | 15,0 | | 60 | 60 |



M42491

90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT)
 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母)
 90° ORFS BOGEN (VERPRESSTE MUTTER) - SAE J516 / ISO 12151-1
 FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 (DADO PRESSATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|-----------------|-----------|--------|------|---------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M42491-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 14,5 | 51,0 | 14,5 | 47,0 | | 36 |
| M42491-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 65,5 | 14,5 | 48,0 | | 36 |
| M42491-12-12109 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 65,5 | 14,5 | 109,0 | | 36 |
| M42491-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,5 | 70,5 | 15,0 | 53,0 | | 41 |
| M42491-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 85,0 | 15,0 | 54,0 | | 41 |
| M42491-16-16128 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 85,0 | 15,0 | 128,0 | | 41 |
| M42491-16-20 | 25 | 1" | - 16 | 1.11/16" - 12 | 24,0 | 85,0 | 14,8 | 58,0 | | 50 |
| M42491-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 98,5 | 14,8 | 65,0 | | 50 |
| M42491-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 115,7 | 15,8 | 79,5 | | 60 |



M42492

90° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE-NUT)
 90° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 重型 (带推金属丝螺母)
 90° ORFS BOGEN - SCHWERE REIHE SAE J516 / ISO 12151-1 (GESHTFETE MUTTER)
 FEMMINA ORFS 90° - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|-------|------|-------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M42492-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 72,5 | 14,0 | 70,5 | | 36 |
| M42492-16-16 | 25 | 1" | - 12 | 1.7/16" - 12 | 19,5 | 82,5 | 15,0 | 84,5 | | 46 |
| M42492-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 98,5 | 15,0 | 98,0 | | 55 |
| M42492-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 111,5 | 15,0 | 109,0 | | 60 |

INTERLOCK PLUS TYPE



SAE STANDARD CONNECTIONS

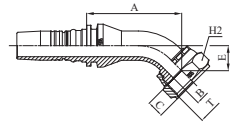
M42441

45° ORFS FEMALE SWEPT ELBOW - SAE J516 / ISO 12151-1 (CRIMPED BACK-NUT)

45° ORFS 内螺纹巨肘弯头 - SAE J516 / ISO 12151-1 (带扣压-支撑螺母)

DK ORFS 45° - SAE J516 / ISO 12151-1 (PRESSMUTTER)

FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 (DADO PRESSATO)



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|-------|------|------|---|----------------|
| | DN | inch | Size | | T | B | A | C | E | H ₂ |
| M42441-10-12 | 16 | 5/8" | - 10 | 1.3/16" - 12 | 14,5 | 55,5 | 14,5 | 21,5 | | 36 |
| M42441-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 69,0 | 14,5 | 21,5 | | 36 |
| M42441-12-16 | 19 | 3/4" | - 12 | 1.7/16" - 12 | 19,0 | 77,5 | 15,0 | 25,0 | | 41 |
| M42441-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 84,0 | 15,0 | 22,0 | | 41 |
| M42441-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 96,5 | 14,8 | 26,0 | | 50 |
| M42441-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 112,0 | 15,8 | 31,5 | | 60 |

M42442

45° ORFS FEMALE SWEPT ELBOW

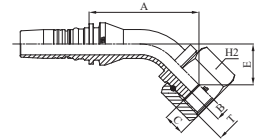
SAE J516 / ISO 12151-1 HEAVY TYPE (THRUST-WIRE-NUT)

45° ORFS 内螺纹巨肘弯头

SAE J516 / ISO 12151-1 重型 (带止推金属丝螺母)

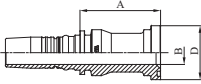
45° ORFS BOGEN (GESHFTETE MUTTER) - SAE J516 / ISO 12151-1

FEMMINA ORFS 45° - SAE J516 / ISO 12151-1 SERIE PESANTE (DADO SPINATO)



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|---------------|---------------|-------|------|------|----------------|----|
| | DN | inch | Size | | B | A | C | E | H ₂ | |
| M42442-12-12 | 19 | 3/4" | - 12 | 1.3/16" - 12 | 14,5 | 89,0 | 14,0 | 36,0 | | 36 |
| M42442-16-16 | 25 | 1" | - 16 | 1.7/16" - 12 | 19,5 | 100,0 | 15,0 | 42,5 | | 46 |
| M42442-20-20 | 31 | 1.1/4" | - 20 | 1.11/16" - 12 | 25,0 | 119,5 | 15,0 | 49,5 | | 55 |
| M42442-24-24 | 38 | 1.1/2" | - 24 | 2" - 12 | 31,0 | 128,5 | 15,0 | 52,0 | | 60 |

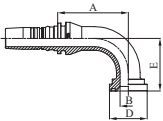
M43310



ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 SAE FLANSCH GERADE - SAE J516 / ISO 12151-3
 FLANGIA ISO/SAE CODE 61 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|--|--|--|
| | DN | inch | Size | | B | A | D | | | |
| M43310-10-16 | 16 | 5/8" | - 10 | 1" | 20,0 | 63,5 | 44,6 | | | |
| M43310-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 59,9 | 38,0 | | | |
| M43310-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 65,7 | 44,6 | | | |
| M43310-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 67,0 | 38,0 | | | |
| M43310-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 66,7 | 44,6 | | | |
| M43310-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 73,0 | 51,0 | | | |
| M43310-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 75,0 | 51,0 | | | |
| M43310-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 80,0 | 60,5 | | | |
| M43310-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 80,6 | 60,5 | | | |
| M43310-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 88,3 | 71,6 | | | |
| M43310-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 82,8 | 71,6 | | | |

M43390



90° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 90° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 SAE FLANSCH 90° BOGEN - SAE J516 / ISO 12151-3
 FLANGIA 90° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--|--|
| | DN | inch | Size | | B | A | D | E | | |
| M43390-10-16 | 16 | 5/8" | - 10 | 1" | 20,0 | 70,5 | 44,6 | 52,0 | | |
| M43390-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 71,8 | 38,0 | 52,0 | | |
| M43390-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 72,4 | 44,6 | 52,0 | | |
| M43390-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 83,4 | 44,6 | 62,0 | | |
| M43390-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 83,4 | 51,0 | 62,0 | | |
| M43390-20-16 | 31 | 1.1/4" | - 20 | 1" | 19,8 | 96,5 | 44,6 | 66,0 | | |
| M43390-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 99,0 | 51,0 | 70,0 | | |
| M43390-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,7 | 60,5 | 72,0 | | |
| M43390-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 111,6 | 60,5 | 84,0 | | |
| M43390-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 111,5 | 71,6 | 84,0 | | |
| M43390-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 133,7 | 71,6 | 99,0 | | |

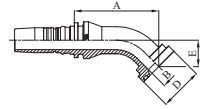
INTERLOCK PLUS TYPE



SAE STANDARD CONNECTIONS

M43340

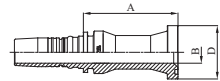
45° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3
 45° ISO/SAE CODE 61 法兰 - SAE J516 / ISO 12151-3
 SAE FLANSCH 45° BOGEN - SAE J516 / ISO 12151-3
 FLANGIA 45° ISO/SAE CODE 61 - SAE J516 / ISO 12151-3



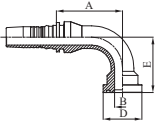
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M43340-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 75,6 | 38,0 | 23,0 |
| M43340-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 76,0 | 44,6 | 23,0 |
| M43340-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 87,0 | 44,6 | 27,3 |
| M43340-16-20 | 25 | 1" | - 16 | 1,1/4" | 26,0 | 87,5 | 51,0 | 27,3 |
| M43340-20-20 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 100,5 | 51,0 | 29,5 |
| M43340-20-24 | 31 | 1,1/4" | - 20 | 1,1/2" | 32,0 | 101,5 | 60,5 | 31,0 |
| M43340-24-24 | 38 | 1,1/2" | - 24 | 1,1/2" | 32,0 | 111,0 | 60,5 | 34,5 |
| M43340-24-32 | 38 | 1,1/2" | - 24 | 2" | 42,0 | 113,0 | 71,6 | 34,5 |
| M43340-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 128,7 | 71,6 | 39,0 |

M43610

ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3
 ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3
 ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|--|
| | DN | inch | Size | | B | A | D | |
| M43610-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 64,0 | 41,4 | |
| M43610-10-16 | 16 | 5/8" | - 10 | 1" | 20,0 | 81,5 | 47,7 | |
| M43610-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 71,4 | 41,4 | |
| M43610-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 83,4 | 47,7 | |
| M43610-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 80,3 | 41,4 | |
| M43610-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 84,7 | 47,7 | |
| M43610-16-20 | 25 | 1" | - 16 | 1,1/4" | 26,0 | 89,0 | 54,2 | |
| M43610-20-16 | 31 | 1,1/4" | - 20 | 1" | 20,0 | 87,2 | 47,7 | |
| M43610-20-20 | 31 | 1,1/4" | - 20 | 1,1/4" | 26,0 | 91,1 | 54,2 | |
| M43610-20-24 | 31 | 1,1/4" | - 20 | 1,1/2" | 32,0 | 97,2 | 63,7 | |
| M43610-24-20 | 38 | 1,1/2" | - 24 | 1,1/4" | 26,0 | 101,2 | 54,2 | |
| M43610-24-24 | 38 | 1,1/2" | - 24 | 1,1/2" | 32,0 | 97,7 | 63,7 | |
| M43610-24-32 | 38 | 1,1/2" | - 24 | 2" | 42,0 | 112,8 | 79,6 | |
| M43610-32-24 | 51 | 2" | - 32 | 1,1/2" | 32,0 | 117,0 | 63,7 | |
| M43610-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 112,8 | 79,6 | |



M43690

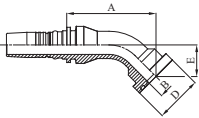
90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|------------------|-------|------|-------|
| | DN | inch | Size | | B | A | D | E |
| M43690-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 57,5 | 41,4 | 60,5 |
| M43690-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 72,4 | 41,4 | 59,0 |
| M43690-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 72,4 | 47,7 | 65,0 |
| M43690-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 81,3 | 41,4 | 62,0 |
| M43690-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 81,1 | 47,7 | 68,0 |
| M43690-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 78,6 | 54,2 | 76,0 |
| M43690-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 98,5 | 47,7 | 79,0 |
| M43690-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,2 | 81,0 |
| M43690-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,5 | 63,7 | 91,5 |
| M43690-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 111,2 | 54,2 | 91,0 |
| M43690-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 112,5 | 63,7 | 94,5 |
| M43690-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 112,5 | 79,6 | 110,5 |
| M43690-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 140,7 | 79,6 | 132,0 |



M43640

45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|------------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M43640-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 71,0 | 41,4 | 31,0 |
| M43640-10-16 | 16 | 5/8" | - 10 | 1" | 20,0 | 83,5 | 47,7 | 32,5 |
| M43640-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 81,0 | 41,4 | 28,0 |
| M43640-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 85,4 | 47,7 | 32,3 |
| M43640-16-12 | 25 | 1" | - 16 | 3/4" | 16,0 | 87,0 | 41,4 | 28,0 |
| M43640-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 91,4 | 47,7 | 32,3 |
| M43640-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 93,7 | 54,2 | 37,5 |
| M43640-20-16 | 31 | 1.1/4" | - 20 | 1" | 20,0 | 106,5 | 47,7 | 36,0 |
| M43640-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 108,0 | 54,2 | 37,5 |
| M43640-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 115,0 | 63,7 | 45,0 |
| M43640-24-20 | 38 | 1.1/2" | - 24 | 1.1/4" | 26,0 | 124,5 | 54,2 | 43,0 |
| M43640-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 124,3 | 63,7 | 44,0 |
| M43640-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 135,6 | 79,6 | 55,4 |
| M43640-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 154,0 | 79,6 | 60,5 |

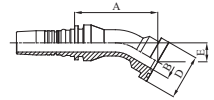
INTERLOCK PLUS TYPE



SAE STANDARD CONNECTIONS

M43630

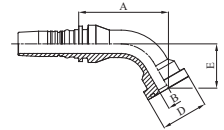
30° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3
 30° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3
 30° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA 30° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M43630-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 87,0 | 41,4 | 17,5 |
| M43630-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 98,5 | 47,7 | 20,0 |
| M43630-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 115,5 | 54,2 | 23,0 |
| M43630-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 133,5 | 63,7 | 27,0 |
| M43630-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 166,5 | 79,6 | 60,5 |

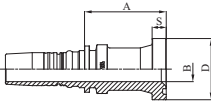
M43660

60° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3
 60° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3
 60° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA 60° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M43660-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 98,5 | 41,4 | 39,0 |
| M43660-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 101,5 | 47,7 | 44,0 |
| M43660-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 107,5 | 47,7 | 52,0 |
| M43660-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 130,0 | 54,2 | 59,0 |
| M43660-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 136,0 | 63,7 | 67,5 |
| M43660-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 154,0 | 63,7 | 61,5 |
| M43660-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 197,5 | 79,5 | 85,0 |

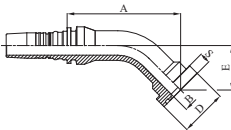
M43710



FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)
 法兰增强式 (SAE J518 CODE 62 / ISO 6162-2 端口兼容)
 GERADER FLANSCH SCHWERE REIHE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)
 FLANGIA PLUS (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)

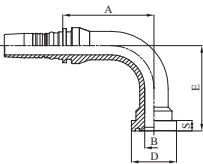
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|------|------|------|--|
| | DN | inch | Size | | B | A | D | S | |
| M43710-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 51,5 | 41,4 | 9,0 | |
| M43710-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 71,5 | 41,4 | 10,0 | |
| M43710-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 64,0 | 47,7 | 11,0 | |
| M43710-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 81,0 | 54,2 | 12,0 | |

M43740



45° FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)
 45° 法兰增强式 (SAE J518 CODE 62 - ISO 6162-2 端口兼容)
 45°-BOGEN FLANSCH SCHWERE REIHE
 (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)
 FLANGIA PLUS 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43740-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 72,5 | 41,4 | 32,0 | 9,0 |
| M43740-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 113,0 | 41,4 | 40,0 | 10,0 |
| M43740-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 113,5 | 47,7 | 43,0 | 11,0 |
| M43740-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 133,5 | 54,2 | 50,0 | 12,0 |



90° FLANGE PLUS (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)
 90° 法兰增强式 (SAE J518 CODE 62 - ISO 6162-2 端口兼容)
 90°-BOGEN FLANSCH SCHWERE REIHE
 (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)
 FLANGIA PLUS 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)

M43790

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43790-10-12 | 16 | 5/8" | - 10 | 3/4" | 16,0 | 61,5 | 41,4 | 60,5 | 9,0 |
| M43790-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 93,0 | 41,4 | 75,0 | 10,0 |
| M43790-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 90,0 | 47,7 | 90,0 | 11,0 |
| M43790-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 115,0 | 54,0 | 110,0 | 12,0 |

INTERLOCK PLUS TYPE



ORIGINAL EQUIPEMENT CONNECTIONS

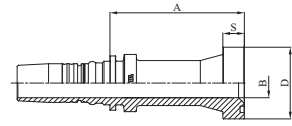
M43910

STRAIGHT SUPERCAT SERIES FLANGE

山猫系列直式法兰

FLANSCH GERADE SUPERCAT

FLANGIA DITTA SERIE SUPERCAT



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | S |
| M43910-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 77,0 | 41,5 | 14,3 |
| M43910-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 88,5 | 47,7 | 14,3 |
| M43910-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 89,5 | 47,7 | 14,3 |
| M43910-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 93,5 | 54,0 | 14,3 |
| M43910-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 95,2 | 54,0 | 14,3 |
| M43910-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,5 | 63,6 | 14,3 |
| M43910-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 99,2 | 63,6 | 14,3 |
| M43910-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 115,0 | 79,3 | 14,3 |
| M43910-32-24 | 51 | 2" | - 32 | 1.1/2" | 32,0 | 119,0 | 63,6 | 14,3 |
| M43910-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 114,0 | 79,3 | 14,3 |

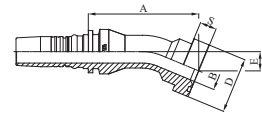
M43920

22,5° SUPERCAT SERIES FLANGE

22,5° 山猫系列法兰

22,5° FLANSCH SERIE SUPERCAT

FLANGIA 22,5° SERIE SUPERCAT



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43920-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 94,5 | 41,5 | 14,5 | 14,3 |
| M43920-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 102,0 | 47,7 | 16,5 | 14,3 |
| M43920-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 111,0 | 47,7 | 16,5 | 14,3 |
| M43920-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 115,5 | 54,0 | 19,0 | 14,3 |
| M43920-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 122,0 | 54,0 | 18,0 | 14,3 |
| M43920-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 139,0 | 63,6 | 23,0 | 14,3 |
| M43920-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 138,0 | 63,6 | 20,0 | 14,3 |

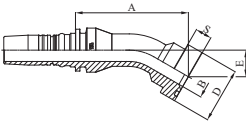
M43930

30° SUPERCAT SERIES FLANGE

30° 山猫系列法兰

30° FLANSCH SERIE SUPERCAT

FLANGIA 30° SERIE SUPERCAT



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43930-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 92,0 | 41,5 | 20,0 | 14,3 |
| M43930-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 99,5 | 47,7 | 22,5 | 14,3 |
| M43930-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 108,5 | 47,7 | 23,0 | 14,3 |
| M43930-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 112,5 | 54,0 | 26,0 | 14,3 |
| M43930-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 119,0 | 54,0 | 25,0 | 14,3 |
| M43930-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 135,5 | 63,6 | 32,0 | 14,3 |
| M43930-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 135,0 | 63,6 | 28,0 | 14,3 |
| M43930-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 151,5 | 79,3 | 36,0 | 14,3 |
| M43930-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 171,5 | 79,3 | 37,5 | 14,3 |

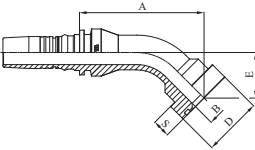
M43940

45° SUPERCAT SERIES FLANGE

45° 山猫系列法兰

45° BOGEN SUPERCAT

FLANGIA 45° SERIE SUPERCAT



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43940-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 85,0 | 41,5 | 32,0 | 14,3 |
| M43940-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 92,0 | 47,7 | 35,5 | 14,3 |
| M43940-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 100,4 | 47,7 | 36,7 | 14,3 |
| M43940-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 104,0 | 54,0 | 40,5 | 14,3 |
| M43940-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 110,5 | 54,0 | 40,5 | 14,3 |
| M43940-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 125,5 | 63,6 | 50,5 | 14,3 |
| M43940-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 125,5 | 63,6 | 45,3 | 14,3 |
| M43940-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 139,5 | 79,3 | 56,5 | 14,3 |
| M43940-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 158,5 | 79,3 | 61,5 | 14,3 |

INTERLOCK PLUS TYPE



ORIGINAL EQUIPEMENT CONNECTIONS

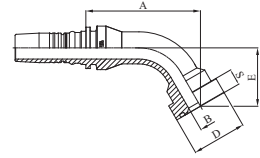
M43960

60° SUPERCAT SERIES FLANGE

60° 山猫系列法兰

60° FLANSCH SERIE SUPERCAT

FLANGIA 60° SERIE SUPERCAT



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|-----------------|-----------|--------|------|--------|---------------|-------|------|-------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43960-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 101,5 | 41,5 | 44,0 | 14,3 |
| M43960-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 106,5 | 47,7 | 48,0 | 14,3 |
| M43960-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 122,0 | 47,7 | 51,0 | 14,3 |
| M43960-16-16055 | 25 | 1" | - 16 | 1" | 20,0 | 117,5 | 47,7 | 55,0 | 14,3 |
| M43960-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 122,5 | 54,0 | 55,0 | 14,3 |
| M43960-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 135,5 | 54,0 | 56,0 | 14,3 |
| M43960-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 149,0 | 63,6 | 69,0 | 14,3 |
| M43960-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 154,5 | 63,6 | 63,0 | 14,3 |
| M43960-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 202,0 | 79,3 | 86,5 | 14,3 |
| M43960-32-32150 | 51 | 2" | - 32 | 2" | 42,0 | 196,5 | 79,3 | 150,0 | 14,3 |

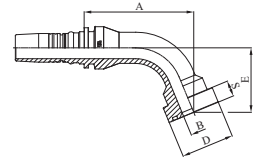
M43970

67,5° SUPERCAT SERIES FLANGE

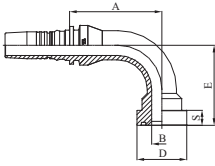
67,5° 山猫系列法兰

67,5° FLANSCH SERIE SUPERCAT

FLANGIA 67,5° SERIE SUPERCAT



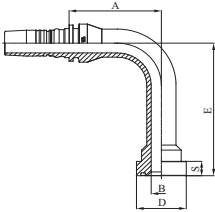
| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43970-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 95,5 | 41,5 | 49,5 | 14,3 |
| M43970-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 100,0 | 47,7 | 54,0 | 14,3 |
| M43970-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 115,0 | 47,7 | 58,0 | 14,3 |
| M43970-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 115,0 | 54,0 | 62,0 | 14,3 |
| M43970-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 128,0 | 54,0 | 64,0 | 14,3 |
| M43970-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 139,5 | 63,6 | 78,0 | 14,3 |
| M43970-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 146,0 | 63,6 | 72,0 | 14,3 |
| M43970-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 189,5 | 79,3 | 99,0 | 14,3 |



M43990

90° SUPERCAT SERIES FLANGE
 90° 山猫系列法兰
 FLANSCH 90° BOGEN SUPERCAT
 FLANGIA 90° SERIE SUPERCAT

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43990-12-12 | 19 | 3/4" | - 12 | 3/4" | 16,0 | 72,5 | 41,5 | 64,5 | 14,3 |
| M43990-12-16 | 19 | 3/4" | - 12 | 1" | 20,0 | 75,5 | 47,7 | 69,5 | 14,3 |
| M43990-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 88,5 | 47,7 | 76,5 | 14,3 |
| M43990-16-20 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 86,5 | 54,0 | 80,5 | 14,3 |
| M43990-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,0 | 85,0 | 14,3 |
| M43990-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 104,5 | 63,6 | 101,0 | 14,3 |
| M43990-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 112,5 | 63,6 | 96,5 | 14,3 |
| M43990-24-32 | 38 | 1.1/2" | - 24 | 2" | 42,0 | 115,0 | 79,3 | 112,0 | 14,3 |
| M43990-32-32 | 51 | 2" | - 32 | 2" | 42,0 | 144,0 | 79,3 | 135,5 | 14,3 |



M43990 LONG DROP

90° LONG DROP SUPERCAT SERIES FLANGE
 90° 加长山猫系列法兰
 90° LANGER SCHENKEL FLANSCH SERIE SUPERCAT
 FLANGIA 90° SERIE SUPERCAT CURVA LUNGA

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | |
|-----------------|-----------|--------|------|--------|---------------|-------|------|-------|------|
| | DN | inch | Size | | B | A | D | E | S |
| M43990-16-16132 | 25 | 1" | - 16 | 1" | 20,0 | 88,5 | 47,7 | 132,0 | 14,3 |
| M43990-16-16150 | 25 | 1" | - 16 | 1" | 20,0 | 88,5 | 47,7 | 150,0 | 14,3 |
| M43990-16-20150 | 25 | 1" | - 16 | 1.1/4" | 26,0 | 88,5 | 54,0 | 150,0 | 14,3 |
| M43990-20-20092 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,0 | 92,0 | 14,3 |
| M43990-20-20150 | 31 | 1.1/4" | - 20 | 1.1/4" | 26,0 | 98,5 | 54,0 | 150,0 | 14,3 |
| M43990-20-24135 | 31 | 1.1/4" | - 20 | 1.1/2" | 32,0 | 98,5 | 63,6 | 135,0 | 14,3 |
| M43990-24-24106 | 38 | 1.1/2" | - 24 | 1.1/2" | 32,0 | 112,5 | 63,6 | 106,0 | 14,3 |

INTERLOCK PLUS TYPE



XTRAFLANGE

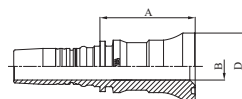
M48510

XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)

XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容)

XTRAFLANSCH GERADE (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)

XTRAFLANGIA (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | WEIGHT |
|--------------|-----------|--------|------|--------|---------------|-------|------|---|--------|
| | DN | inch | Size | | B | A | D | E | |
| M48510-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 64,0 | 41,4 | | 0,4 |
| M48510-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 68,3 | 47,7 | | 0,6 |
| M48510-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 88,0 | 54,4 | | 1,0 |
| M48510-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 31,0 | 102,0 | 63,7 | | 1,4 |
| M48510-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 129,0 | 79,6 | | 2,7 |

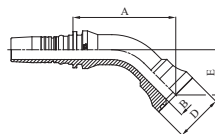
M48540

45° XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)

45° XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容)

45°-BOGEN XTRAFLANSCH (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)

XTRAFLANGIA 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | WEIGHT |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|--------|
| | DN | inch | Size | | B | A | D | E | |
| M48540-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 92,5 | 41,4 | 38,0 | 0,5 |
| M48540-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 101,5 | 47,7 | 45,0 | 0,7 |
| M48540-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 138,0 | 54,4 | 62,5 | 1,3 |
| M48540-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 31,0 | 155,0 | 63,7 | 71,5 | 1,9 |
| M48540-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 193,5 | 79,6 | 92,5 | 3,9 |

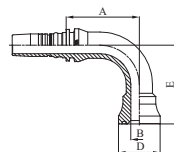
M48590

90° XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)

90° XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容)

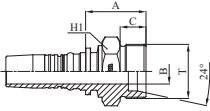
XTRAFLANSCH 90° BOGEN (SAE J518 CODE 62 - ISO 6162-2 KOMPATIBLER ANSCHLUSS)

XTRAFLANGIA 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | WEIGHT |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|--------|
| | DN | inch | Size | | B | A | D | E | |
| M48590-12-12 | 19 | 3/4" | - 12 | 3/4" | 14,5 | 75,5 | 41,4 | 75,0 | 0,5 |
| M48590-16-16 | 25 | 1" | - 16 | 1" | 19,5 | 83,5 | 47,7 | 90,0 | 0,8 |
| M48590-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 25,0 | 107,0 | 54,4 | 120,0 | 1,5 |
| M48590-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 31,0 | 122,0 | 63,7 | 140,0 | 2,2 |
| M48590-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 147,5 | 79,6 | 180,0 | 4,3 |

M31210

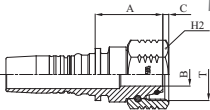


METRIC MALE 24° CONE SEAT HEAVY DUTY - DIN 20066 / ISO 12151-2
 公制外螺纹 24° - 锥形底座重型系列 DIN 20066 / ISO 12151-2
 CES - DIN 20066 / ISO 12151-2
 MASCHIO METRICO 24° - SERIE PESANTE DIN 20066 / ISO 12151-2

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

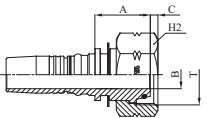
| | DN | inch | Size | T | mm | B | A | C | H1 |
|--------------|----|--------|------|--------|----|------|------|------|----|
| M31210-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 36,8 | 16,0 | 30 |
| M31210-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 14,5 | 38,5 | 16,0 | 32 |
| M31210-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 43,4 | 18,0 | 36 |
| M31210-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 19,5 | 45,0 | 18,0 | 36 |
| M31210-16-42 | 35 | 1" | - 16 | M 42x2 | 30 | 19,5 | 46,8 | 20,0 | 46 |
| M31210-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 25,0 | 55,0 | 22,0 | 55 |
| M31210-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 38 | 30,5 | 55,6 | 22,0 | 55 |

M41612



METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)
 公制内螺纹 24° 锥带O型圈重型系列
 DIN 20066 / ISO 12151-2 (带止推金属丝螺母)
 DKOS - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)
 FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO)

M41613



METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2 (SLIP-ON NUT)
 公制内螺纹 24° 锥带O型圈重型系列
 DIN 20066 / ISO 12151-2 (带滑套螺母)
 DKOS - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)
 FEMMINA METRICA CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE)

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

| | DN | inch | Size | T | mm | B | A | C | H2 |
|--------------|----|--------|------|----------|----|------|------|-----|----|
| M41613-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 37,1 | 3,5 | 36 |
| M41612-10-24 | 16 | 5/8" | - 10 | M 24x1,5 | 16 | 9,3 | 31,0 | 4,0 | 30 |
| M41612-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 43,9 | 3,2 | 36 |
| M41613-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 42,1 | 3,4 | 41 |
| M41613-12-42 | 19 | 3/4" | - 12 | M 42x2 | 30 | 19,0 | 35,8 | 5,3 | 50 |
| M41612-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 46,8 | 4,1 | 41 |
| M41613-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,5 | 46,3 | 5,3 | 50 |
| M41613-16-52 | 25 | 1" | - 16 | M 52x2 | 38 | 26,0 | 50,5 | 8,0 | 60 |
| M41612-20-42 | 31 | 1.1/4" | - 20 | M 42x2 | 30 | 19,0 | 47,5 | 6,1 | 50 |
| M41613-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 41,7 | 8,0 | 60 |
| M41612-24-52 | 38 | 1.1/2" | - 24 | M 52x2 | 38 | 29,0 | 52,5 | 8,8 | 60 |

INTERLOCK PLUS TYPE



DIN STANDARD CONNECTIONS

M41692

90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY

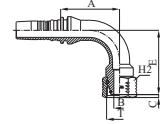
DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列 SERIE PESADA

DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO)



M41693

90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY

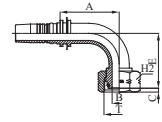
DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

90° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列

DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOS 90° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA 90° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | THREAD | PIPE | DIMENSIONS mm | | | | | | |
|--------------|-----------|--------|--------|--------|------------------|------|-------|-----|------|---|----|
| | DN | inch | | | Size | T | mm | B | A | C | E |
| M41693-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 52,5 | 3,5 | 57,5 | | 36 |
| M41692-12-30 | 19 | 3/4" | - 12 | M 30x2 | 25 | 12,5 | 63,8 | 3,2 | 68,5 | | 36 |
| M41693-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 67,0 | 3,4 | 67,5 | | 41 |
| M41692-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 81,7 | 4,1 | 89,0 | | 41 |
| M41693-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,5 | 81,6 | 5,3 | 75,5 | | 50 |
| M41692-20-42 | 31 | 1,1/4" | - 20 | M 42x2 | 30 | 19,0 | 103,5 | 6,1 | 90,0 | | 50 |
| M41693-20-52 | 31 | 1,1/4" | - 20 | M 52x2 | 38 | 26,0 | 100,0 | 8,0 | 86,5 | | 60 |

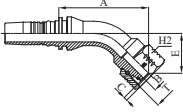
M41642

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY
DIN 20066 / ISO 12151-2 (THRUST-WIRE NUT)

45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列
DIN 20066 / ISO 12151-2 (带止推金属丝螺母)

DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (GESTIFTETE MUTTER)

FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO SPINATO)



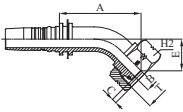
M41643

45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY
DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

45° 公制内螺纹巨肘弯头 24° 锥带O型圈重型系列
DIN 20066 / ISO 12151-2 (带滑套螺母)

DKOS 45° BOGEN - DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA 45° CONO 24° O-RING SERIE PESANTE DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|------|------------------|-------|-----|------|---|----|
| | DN | inch | Size | | | T | mm | B | A | C | E |
| M41643-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 66,5 | 3,5 | 29,5 | | 36 |
| M41642-12-30 | 19 | 3/4" | - 12 | M 30x2 | 20 | 12,5 | 79,2 | 3,2 | 34,8 | | 36 |
| M41643-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 81,0 | 3,4 | 33,5 | | 41 |
| M41642-16-36 | 25 | 1" | - 16 | M 36x2 | 25 | 16,0 | 103,0 | 4,1 | 45,5 | | 41 |
| M41643-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,5 | 93,1 | 5,3 | 36,0 | | 50 |
| M41642-20-42 | 31 | 1.1/4" | - 20 | M 42x2 | 30 | 19,0 | 116,5 | 6,1 | 44,5 | | 50 |
| M41643-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,0 | 110,0 | 8,0 | 40,0 | | 60 |

INTERLOCK PLUS TYPE



DIN STANDARD CONNECTIONS

M41293

90° METRIC O-RING FEMALE MEDIUM/LONG DROP ELBOW 24° CONE HEAVY DUTY

DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

90° 公制内螺纹中型/加长弯头 24° 锥带O型圈重型系列

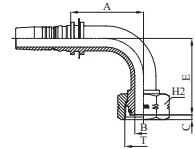
DIN 20066 / ISO 12151-2 (带滑套螺母)

90° BOGEN O-RING METRISCH 24° KONUS H.T.

DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA O-RING SERIE PESANTE CONO 24° CURVA 90° MEDIO/LUNGA

DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|------|------------------|-------|-----|------|--|----------------|
| | DN | inch | Size | T | mm | B | A | C | E | | H ₂ |
| M41293-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 53,0 | 3,5 | 60,0 | | 36 |
| M41293-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 67,0 | 3,4 | 67,5 | | 41 |
| M41293-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,5 | 81,5 | 5,3 | 86,0 | | 50 |
| M41293-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,1 | 100,0 | 8,0 | 92,0 | | 60 |

M41243

45° METRIC O-RING FEMALE MEDIUM/LONG DROP ELBOW 24° CONE HEAVY DUTY

DIN 20066 / ISO 12151-2 (SLIP-ON NUT)

45° 公制内螺纹中型/加长弯头 24° 锥带O型圈重型系列

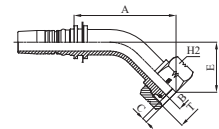
DIN 20066 / ISO 12151-2 (带滑套螺母)

45° BOGEN O-RING METRISCH 24° KONUS H.T.

DIN 20066 / ISO 12151-2 (HINTERLEGTE MUTTER)

FEMMINA METRICA O-RING SERIE PESANTE CONO 24° CURVA 45° MEDIO/LUNGA

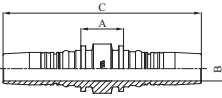
DIN 20066 / ISO 12151-2 (DADO PASSANTE)



| PART. REF. | HOSE BORE | | | THREAD | PIPE | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|------|------------------|-------|-----|------|--|----------------|
| | DN | inch | Size | T | mm | B | A | C | E | | H ₂ |
| M41243-10-30 | 16 | 5/8" | - 10 | M 30x2 | 20 | 12,0 | 77,5 | 3,5 | 35,0 | | 36 |
| M41243-12-36 | 19 | 3/4" | - 12 | M 36x2 | 25 | 14,5 | 101,0 | 3,4 | 45,0 | | 41 |
| M41243-16-42 | 25 | 1" | - 16 | M 42x2 | 30 | 19,5 | 112,0 | 5,3 | 55,0 | | 50 |
| M41243-20-52 | 31 | 1.1/4" | - 20 | M 52x2 | 38 | 26,1 | 133,0 | 8,0 | 63,0 | | 60 |

M30050

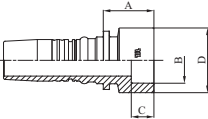
DOUBLE CONNECTOR
双插芯接头
DOPPELVERBINDER
DOPPIO INSERTO



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|--------|------------------|------|-------|--|--|--|
| | DN | inch | Size | | B | A | C | | | |
| M30050-20-20 | 31 | 1.1/4" | - 20 | | 25,0 | 42,0 | 206,0 | | | |
| M30050-24-24 | 38 | 1.1/2" | - 24 | | 31,0 | 42,5 | 228,5 | | | |
| M30050-32-32 | 51 | 2" | - 32 | | 41,0 | 42,5 | 244,5 | | | |

M49510WL

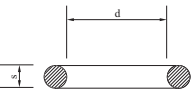
WELDING TAIL
焊接插芯
VERSCHWEISSNIPPEL
INSERTO A SALDARE



| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|----------------|-----------|--------|------|--------|------------------|------|------|------|--|--|
| | DN | inch | Size | | B | A | C | D | | |
| M49510-10-18WL | 16 | 5/8" | - 10 | | 18,1 | 20,5 | 10,0 | 26,0 | | |
| M49510-12-22WL | 19 | 3/4" | - 12 | | 22,1 | 27,5 | 12,0 | 34,0 | | |
| M49510-16-28WL | 25 | 1" | - 16 | | 28,1 | 31,5 | 14,0 | 40,0 | | |
| M49510-20-35WL | 31 | 1.1/4" | - 20 | | 35,1 | 33,0 | 14,0 | 49,0 | | |

JO29

OPTIONAL INTERLOCK PLUS O-RING
可选内锁增强式O型圈
OPTIONAL INTERLOCK PLUS O-RING
O-RING INTERLOCK PLUS OPZIONALE



| PART. REF. | HOSE BORE | | | O-RING SIZE (dxs mm) | MATERIAL |
|------------|-----------|--------|------|-------------------------|----------------|
| | DN | inch | Size | | |
| JO29171318 | 16 | 5/8" | - 10 | 13,20x1,80 | NBR 90 Shore A |
| JO29191618 | 19 | 3/4" | - 12 | 15,60x1,78 | NBR 90 Shore A |
| JO29262218 | 25 | 1" | - 16 | 21,95x1,78 | NBR 90 Shore A |
| JO29322818 | 31 | 1.1/4" | - 20 | 28,30x1,78 | NBR 90 Shore A |
| JO29383518 | 38 | 1.1/2" | - 24 | 34,65x1,78 | NBR 90 Shore A |
| JO29514718 | 51 | 2" | - 32 | 47,35x1,78 | NBR 90 Shore A |

DIAMONDSPIR HOSE RANGE

M01750

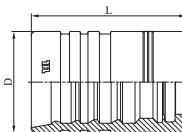
DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (4 PLY)

超重型缠绕软管 (四层) 双面剥胶套筒

PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (4-LAGIG)

GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI

(4 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | |
|------------|-----------|------|------|---------------|------|---|----|
| | DN | inch | Size | D | L | C | Hi |
| M01750-12 | 19 | 3/4" | - 12 | 45,1 | 69,0 | | |

M01800

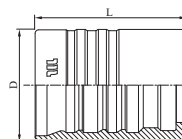
DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY)

超重型缠绕软管 (六层) 双面剥胶套筒

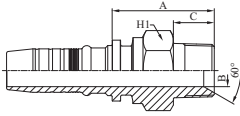
PRESSFASSUNG FÜR INNEN- UND AUSSENSCHÄLUNG FÜR SPEZIAL-SPIRALSCHLÄUCHE (6-LAGIG)

GHIERA A PELATURA INTERNA/ESTERNA PER TUBI SPIRALATI

(6 SPIRALI) PER APPLICAZIONI ESTREMAMENTE SEVERE



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | |
|------------|-----------|--------|------|---------------|-------|---|----|
| | DN | inch | Size | D | L | C | Hi |
| M01800-16 | 25 | 1" | - 16 | 53,5 | 69,0 | | |
| 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 | | |

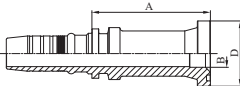


M52810/M57810

NPTF MALE 60° CONE SEAT - SAE J516/J514
 NPTF 外螺纹 60° 锥形底座 - SAE J516/J514
 AG NPTF KONUS 60° - SAE J516/J514
 MASCHIO NPTF CONO 60° - SAE J516/J514

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|---------------|---------------|-------|------|-----|
| | DN | inch | Size | | T | B | A | C |
| M52810-12-12 | 19 | 3/4" | 12 | 3/4" - 14 | 15,0 | 49,4 | 21,0 | 32 |
| 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 |
| M57810-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" - 8 | 55,4 | 94,5 | 43,0 | 80 |
| M57810-48-48 | 76 | 3" | - 48 | 3" - 8 | 62,5 | 123,5 | 51,5 | 100 |

M68610



ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3
 ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3
 ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3
 FLANGIA DITTA SAE CODE 62 - SAE J516 / ISO 12151-3

| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|----------------|-----------|--------|------|--------|---------------|-------|-------|--|
| | DN | inch | Size | | B | A | D | |
| M68610-12-12 | 19 | 3/4" | -12 | 3/4" | 16,0 | 74,0 | 41,4 | |
| 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 | |
| M68610-32-40 * | 51 | 2" | - 32 | 2.1/2" | 51,5 | 124,0 | 107,8 | |
| 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 / 玛努利规格 / Especificación Manuli / Specifica Manuli

XTRALOCK TYPE



DIAMONDSPIR HOSE RANGE

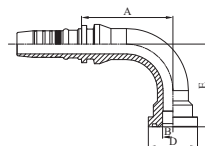
M68690

90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

90° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 90° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|-------|
| | DN | inch | Size | | B | A | D | E |
| M68690-12-12 | 19 | 3/4" | -12 | 3/4" | 16,0 | 75,0 | 41,4 | 59,0 |
| 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 |

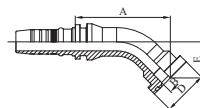
M68640

45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

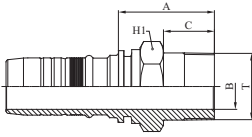
45° ISO/SAE CODE 62 法兰 - SAE J516 / ISO 12151-3

45° ISO/SAE CODE 62 FLANSCH - SAE J516 / ISO 12151-3

FLANGIA 45° ISO/SAE CODE 62 - SAE J516 / ISO 12151-3



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | |
|--------------|-----------|--------|------|--------|---------------|-------|------|------|
| | DN | inch | Size | | B | A | D | E |
| M68640-16-16 | 25 | 1" | -16 | 1" | 20,0 | 98,5 | 47,7 | 38,0 |
| M68640-20-20 | 31 | 1.1/4" | -20 | 1.1/4" | 24,0 | 121,5 | 54,2 | 43,5 |
| M68640-24-24 | 38 | 1.1/2" | -24 | 1.1/2" | 38,5 | 136,0 | 63,7 | 50,0 |
| M68640-32-32 | 51 | 2" | -32 | 2" | 42,0 | 160,0 | 79,6 | 61,0 |



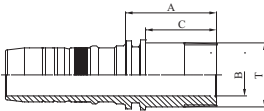
M53410

API MALE WITH HEXAGONAL BODY (API 5B THREAD)

六角形 API 外螺纹接头 (API 5B 螺纹)

VERBINDER API SECHSKANT (API 5B GEWINDE)

MASCHIO API CON CORPO ESAGONALE (FILETTATURA API 5B)



M53410...H00

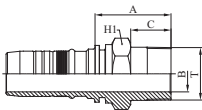
API MALE WITH CYLINDRICAL BODY (API 5B THREAD)

圆柱形 API 外螺纹接头 (API 5B 螺纹)

VERBINDER API ZYLINDRISCH (API 5B GEWINDE)

MASCHIO API CON CORPO CILINDRICO (FILETTATURA API 5B)

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|-----------------|-----------|--------|------|------------|------------------|-------|------|---|--|-----|
| | DN | inch | Size | | T | B | A | C | | H1 |
| M53410-32-32 | 51 | 2" | - 32 | 2" - 11,5 | 41 | 119,5 | 55,0 | | | 70 |
| M53410-32-32H00 | 51 | 2" | - 32 | 2" - 11,5 | 41 | 76,5 | 60 | | | - |
| M53410-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" - 8 | 51,5 | 135,0 | 63,0 | | | 80 |
| M53410-40-40H00 | 63 | 2.1/2" | - 40 | 2.1/2" - 8 | 51,5 | 99,5 | 81 | | | - |
| M53410-48-48 | 76 | 3" | - 48 | 3" - 8 | 62,5 | 143,5 | 71,5 | | | 100 |
| M53410-48-48H00 | 76 | 3" | - 48 | 3" - 8 | 62,5 | 115 | 100 | | | - |
| M53410-48-64 | 76 | 3" | - 48 | 4" - 8 | 62,5 | 171,5 | 76,0 | | | 120 |
| M53410-48-64H00 | 76 | 3" | - 48 | 4" - 8 | 62,5 | 151,5 | 118 | | | - |



M53510

NPT MALE

NPT 外螺纹

NPT-SCHRAUBVERBINDUNG

NPT MASCHIO

| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|--------|------|------------|------------------|-------|------|-----|----|--|
| | DN | inch | Size | | T | B | A | C | H1 | |
| M53510-32-32 | 51 | 2" | - 32 | 2" - 11,5 | 41,0 | 119,5 | 55,0 | 70 | | |
| M53510-40-40 | 63 | 2.1/2" | - 40 | 2.1/2" - 8 | 51,5 | 135,0 | 63,0 | 80 | | |
| M53510-48-48 | 76 | 3" | - 48 | 3" - 8 | 62,5 | 143,5 | 71,5 | 100 | | |

XTRAFLANGE

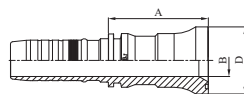
M68510

XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 PORT COMPATIBLE)

XTRAFLANGE (SAE J518 CODE 62 - ISO 6162-2 端口兼容)

XTRAFLANSCH GERADE (SAE J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS)

XTRAFLANGIA (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| 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 |
| M68510-20-24 | 31 | 1.1/4" | - 20 | 1.1/2" | 30,5 | 100,0 | 63,7 | 560 | 1,3 |
| 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 |

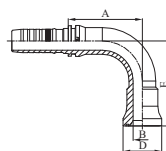
M68590

90° XTRAFLANGE (SAE J518 CODE 62 AND ISO 6162-2 PORT COMPATIBLE)

90° XTRAFLANGE (SAE J518 CODE 62 和 ISO 6162-2 端口兼容)

XTRAFLANSCH 90° BOGEN (J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS)

XTRAFLANGIA 90° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| 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 |

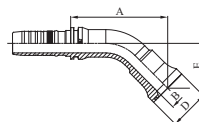
M68540

45° XTRAFLANGE (SAE J518 CODE 62 AND ISO 6162-2 PORT COMPATIBLE)

45° XTRAFLANGE (SAE J518 CODE 62 和 ISO 6162-2 端口兼容)

XTRAFLANSCH 45° BOGEN (SAE J518 CODE 62 / ISO 6162-2 KOMPATIBLER ANSCHLUSS)

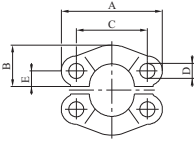
XTRAFLANGIA 45° (COMPATIBILE CON PORTA SAE J518 CODE 62 / ISO 6162-2)



| PART. REF. | HOSE BORE | | | FLANGE | DIMENSIONS mm | | | | W.P. | WEIGHT |
|--------------|-----------|--------|------|--------|------------------|-------|------|------|------|--------|
| | DN | inch | Size | | B | A | D | E | | |
| M68540-16-16 | 25 | 1" | - 16 | 1" | 20,0 | 103,0 | 47,7 | 45,0 | 560 | 0,7 |
| M68540-20-20 | 31 | 1.1/4" | - 20 | 1.1/4" | 24,0 | 138,0 | 54,4 | 62,5 | 560 | 1,4 |
| M68540-24-24 | 38 | 1.1/2" | - 24 | 1.1/2" | 30,5 | 155,0 | 63,7 | 71,5 | 560 | 1,9 |
| M68540-32-32 | 51 | 2" | - 32 | 2" | 41,0 | 193,5 | 79,6 | 92,5 | 450 | 4,0 |

O83308

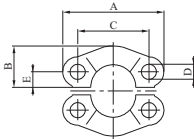
ISO/SAE CODE 61 SPLIT FLANGE CLAMPS - SAE J518 / ISO 6162-1
 ISO/SAE CODE 61 分片法兰管夹 - SAE J518 / ISO 6162-1
 ISO/SAE CODE 61 ZWEITELIGER GEGENFLANSCH - SAE J518 / ISO 6162-1
 SEMIFLANGIA ISO/SAE CODE 61 - SAE J518 / ISO 6162-1



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | |
|------------|-----------|--------|------|------------------|-------|-------|------|------|
| | DN | inch | Size | B | A | C | D | E |
| O83308-08 | 12 | 1/2" | - 08 | 23,0 | 54,0 | 38,1 | 9,0 | 8,7 |
| O83308-12 | 19 | 3/4" | - 12 | 26,1 | 65,1 | 47,6 | 11,0 | 11,1 |
| O83308-16 | 25 | 1" | - 16 | 29,4 | 69,8 | 52,4 | 11,0 | 13,1 |
| O83308-20 | 31 | 1.1/4" | - 20 | 36,5 | 79,4 | 58,7 | 12,0 | 15,1 |
| O83308-24 | 38 | 1.1/2" | - 24 | 41,3 | 93,7 | 69,8 | 13,5 | 17,8 |
| O83308-32 | 51 | 2" | - 32 | 48,4 | 101,6 | 77,8 | 13,5 | 21,4 |
| O83308-40 | 63 | 2.1/2" | - 40 | 54,4 | 114,3 | 88,9 | 13,5 | 25,4 |
| O83308-48 | 76 | 3" | - 48 | 65,3 | 135,0 | 106,4 | 16,5 | 30,9 |

O83609

ISO/SAE CODE 62 SPLIT FLANGE CLAMPS - SAE J518 / ISO 6162-2
 ISO/SAE CODE 62 分片法兰管夹 - SAE J518 / ISO 6162-2
 ISO/SAE CODE 62 ZWEITELIGER GEGENFLANSCH - SAE J518 / ISO 6162-2
 SEMIFLANGIA ISO/SAE CODE 62 - SAE J518 / ISO 6162-2



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | |
|------------|-----------|--------|------|------------------|-------|------|------|------|
| | DN | inch | Size | B | A | C | D | E |
| O83609-08 | 12 | 1/2" | - 08 | 23,8 | 56,3 | 40,5 | 9,0 | 9,1 |
| O83609-12 | 19 | 3/4" | - 12 | 30,2 | 71,4 | 50,8 | 11,0 | 11,9 |
| O83609-16 | 25 | 1" | - 16 | 34,9 | 80,9 | 57,1 | 13,0 | 13,9 |
| O83609-20 | 31 | 1.1/4" | - 20 | 38,9 | 95,2 | 66,7 | 15,0 | 15,8 |
| O83609-24 | 38 | 1.1/2" | - 24 | 47,6 | 112,7 | 79,4 | 17,0 | 18,2 |
| O83609-32 | 51 | 2" | - 32 | 57,1 | 133,3 | 96,8 | 21,0 | 22,2 |

ACCESSORIES

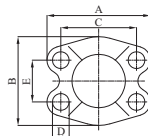
083607

ONE-PIECE FLANGE CLAMP ISO 6162-2 / SAE J518 CODE 62

整片法兰管夹 ISO 6162-2 / SAE J518 CODE 62

VOLLFLANSCH - ISO 6162-2 / SAE J518 CODE 62

SEMIFLANGIA INTERA - ISO 6162-2 / SAE J518 CODICE 62



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | |
|------------|-----------|--------|------|---------------|-------|-------|------|------|
| | DN | inch | Size | B | A | C | D | E |
| 083607-12 | 19 | 3/4" | - 12 | 60,0 | 72,0 | 50,8 | 10,5 | 23,8 |
| 083607-16 | 25 | 1" | - 16 | 70,0 | 81,0 | 57,2 | 13,0 | 27,8 |
| 083607-20 | 31 | 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 |

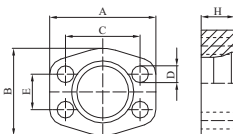
088507

ONE-PIECE XTRAFRANGE CLAMP ISO 6162-2 / SAE J518 CODE 62 PORT COMPATIBLE

整片 XTRAFRANGE 管夹 ISO 6162-2 / SAE J518 CODE 62 端口兼容

VOLLFLANSCH FÜR XTRAFRANSCH ISO 6162-2 / SAE J518 CODE 62 KOMPATIBLER ANSCHLUSS

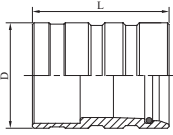
SEMIFLANGIA INTERA XTRAFRANGIA ISO 6162-2 / SAE J518 COMPATIBILE CON PORTA CODE 62




| PART. REF. | FLANGE SIZE | | | DIMENSIONS mm | | | | | | BOLT | WEIGHT |
|------------|-------------|--------|------|---------------|-------|-------|------|------|------|-----------|--------|
| | DN | inch | Size | B | A | C | D | E | H | length mm | kg |
| 088507-12 | 19 | 3/4" | - 12 | 60,0 | 71,5 | 50,8 | 11,0 | 23,8 | 21,5 | 50,0 | 0,4 |
| 088507-16 | 25 | 1" | - 16 | 66,7 | 80,0 | 57,2 | 13,0 | 27,8 | 24,0 | 65,0 | 0,5 |
| 088507-20 | 31 | 1.1/4" | - 20 | 78,0 | 95,0 | 66,7 | 15,0 | 31,7 | 30,0 | 75,0 | 0,9 |
| 088507-24 | 38 | 1.1/2" | - 24 | 94,0 | 112,0 | 79,4 | 17,0 | 36,5 | 36,0 | 100,0 | 1,6 |
| 088507-32 | 51 | 2" | - 32 | 114,0 | 133,0 | 96,8 | 21,0 | 44,5 | 47,0 | 110,0 | 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 |

O820..

ANTI-KINK SLEEVE
 抗扭曲套筒
 KNICKSCHUTZHÜLSE
 GHIERA ANTI-KINK



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | |
|------------|-----------|---------|------|------------------|-------|--|--|
| | DN | inch | Size | D | L | | |
| O82040-12 | 19 | 3/4" | - 12 | 45,0 | 67,0 | | |
| O82040-16 | 25 | 1" | - 16 | 52,0 | 81,0 | | |
| O82068-16 | 25 | 1" | - 16 | 55,0 | 75,0 | | |
| O82060-20 | 31 | 1.1/4" | - 20 | 64,0 | 84,0 | | |
| O82062-20 | 31 | 1.1/4 " | - 20 | 64,0 | 83,0 | | |
| O82068-20 | 31 | 1.1/4 " | - 20 | 65,5 | 83,0 | | |
| O82060-24 | 38 | 1.1/2" | - 24 | 72,0 | 102,0 | | |
| O82068-24 | 38 | 1.1/2" | - 24 | 73,0 | 99,0 | | |
| O82068-32 | 51 | 2" | - 32 | 86,5 | 116,0 | | |
| O82068-40 | 63 | 2.1/2" | - 40 | 103,0 | 148,5 | | |
| O82068-48 | 76 | 3" | - 48 | 112,0 | 156,5 | | |

 The following assembling instructions are strongly recommended on heavy duty applications.
 强烈建议下列总成说明用于重型应用场合。
 Bei schweren Anwendungen empfehlen wir unbedingt die folgenden Verarbeitungshinweise einzuhalten.
 Si raccomanda di seguire attentamente le seguenti istruzioni d'assemblaggio in particolare in caso di applicazioni estremamente severe.

M437x0 - M686x0

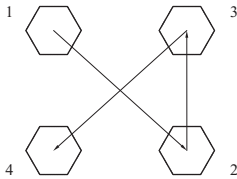
| PART. REF. | FLANGE SIZE | SPLIT FLANGE TYPE | ONE-PIECE FLANGE TYPE | OR (NBR 90 ShA) SAE J515 | METRIC BOLT DIMENSIONS (Class. 10.9) | UNC BOLT DIMENSIONS (Grade 8) | BOLT THREAD LENGTH (mm) | BOLT TORQUE (Nm) |
|--------------|-------------|-------------------|-----------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|------------------|
| M437x0-12-12 | 3/4" | | O83607-12 | 24,99x3,53 | M 10 | 3/8-16 | 35 | 70 |
| M686x0-12-12 | 3/4" | | O83607-12 | 24,99x3,53 | M 10 | 3/8-16 | 35 | 70 |
| M437x0-16-16 | 1" | | O83607-16 | 32,92x3,53 | M 12 | 7/16-14 | 45 | 130 |
| M686x0-16-16 | 1" | | O83607-16 | 32,92x3,53 | M 12 | 7/16-14 | 45 | 130 |
| M437x0-20-20 | 1.1/4" | | O83607-20 | 37,69x3,53 | M 14 | 1/2-13 | 45 | 180 |
| M686x0-20-20 | 1.1/4" | | O83607-20 | 37,69x3,53 | M 14 | 1/2-13 | 45 | 180 |
| M686x0-24-24 | 1.1/2" | | O83607-24 | 47,22x3,53 | M 16 | 5/8-11 | 55 | 290 |
| M686x0-32-32 | 2" | | O83607-32 | 56,74x3,53 | M 20 | 3/4-10 | 70 | 450 |
| M686x0-40-32 | 2" | | O83609-32 | 56,74x3,53 | M 20 | 3/4-10 | 70 | 450 |
| M686x0-40-40 | 2.1/2" | | O83607-40 | 69,44x3,53 | M 24 | 1-8 | 80 | 550 |
| M686x0-48-48 | 3" | | O83607-48 | 85,32x3,53 | M 30 | 1.1/4-7 | 90 | 650 |

M485x0 - M685x0

| 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) |
|--------------|-------------|-----------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|------------------|
| M485x0-12-12 | 3/4" | O88507-12 | 24,99x3,53 | M 10 | 3/8-16 | 45 | 70 |
| M485x0-16-16 | 1" | O88507-16 | 32,92x3,53 | M 12 | 7/16-14 | 50 | 130 |
| M685x0-16-16 | 1" | O88507-16 | 32,92x3,53 | M 12 | 7/16-14 | 50 | 130 |
| M485x0-20-20 | 1.1/4" | O88507-20 | 37,69x3,53 | M 14 | 1/2-13 | 65 | 180 |
| M685x0-20-20 | 1.1/4" | O88507-20 | 37,69x3,53 | M 14 | 1/2-13 | 65 | 180 |
| M485x0-24-24 | 1.1/2" | O88507-24 | 47,22x3,53 | M 16 | 5/8-11 | 75 | 290 |
| M685x0-24-24 | 1.1/2" | O88507-24 | 47,22x3,53 | M 16 | 5/8-11 | 75 | 290 |
| M485x0-32-32 | 2" | O88507-32 | 56,74x3,53 | M 20 | 3/4-10 | 95 | 450 |
| M685x0-32-32 | 2" | O88507-32 | 56,74x3,53 | M 20 | 3/4-10 | 95 | 450 |
| M685x0-40-40 | 2.1/2" | O88507-40 | 69,44x3,53 | M 24 | 1-8 | 110 | 550 |

SCREWS HAVE TO BE TORQUED WITH THE FOLLOWING SCHEME:

必须按下列图示顺序拧紧螺栓:
 SCHRAUBEN SOLLTEN GEMÄSS FOLGENDER SKIZZE
 ÜBER KREUZ ANGEZOGEN WERDEN:
 I BULLONI DEVONO ESSERE LEGGERMENTE SERRATI SE-
 GUENDO LO SCHEMA SEGUENTE:



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

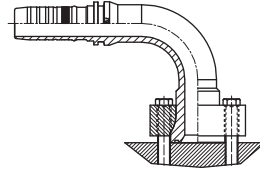
- misalignments between flanges and clamps
- clamp halves damages during installation

安装时推荐先轻轻预紧每一个螺栓以避免:

- 法兰与管夹错位
- 安装时管夹部分损坏

XTRAFLANGE ASSEMBLING SCHEME:

ESQUEMA PARA ENSAMBLAR UN XTRAFLANGE:
 XTRAFLANSC ANBAUSKIZZE:
 SCHEMA D'ASSEMBLAGGIO DELLE XTRAFLANGE:



Um Beschädigungen und Spannungen an Vollflanschen, Flanschhälften und Flanschen selbst zu vermeiden, ist es wichtig, alle Schrauben zuerst nur handfest, gleichmässig anzuziehen, bevor sie mit dem empfohlenen Drehmoment festgezogen werden.

È importante che tutti i bulloni siano leggermente avvitati prima di applicare i valori di serraggio finali raccomandati al fine di evitare: • disallineamenti tra flange e controflange (clamps) • danneggiare le mezze controflange durante l'installazione.

XTRALOCK FITTINGS CRIMPING OPERATION



The crimping operation to apply XTRALOCK fittings must be carried out with proper high performance crimping/assembly machines (crimping force higher than 2800-3000 kN) and approved by Manuli Hydraulics, 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 Hydraulics to customers, assemblers and operators using the integrated package DIAMONDSPIR hose & XTRALOCK fittings.

为了保证适宜的扣压形变和胶管联接，扣压超级内锁式接头必须选用玛努利液压器材集团认可的高性能扣压/总成机器（扣压力高于2800-3000 kN）；并经由玛努利液压器材集团认可，以保证最佳连接总成变形及胶管咬合。

- 大尺寸XTRALOCK接头需采用带加长模具的专用扣压机器（不推荐两次扣压操作）；
- 重型应用场合为了获得最好的总成性能，推荐使用不切割整片法兰（整片式法兰）；
- 建议客户、总成商和操作工选用DIAMONDSPIR胶管及超级内锁式接头时，遵守玛努利液压器材集团提供的详细总成说明。

Die Einbindung von XTRALOCK Armaturen muß mit entsprechenden Hochleistungspressen (Presskraft größer 2800-3000 kN) durchgeführt werden die von Manuli Hydraulics zugelassen sind; ■ Für große Nennweiten sind Spezialpressen mit langen Pressbacken erforderlich. Doppelpressungen sind nicht zu empfehlen; ■ Für beste Haltbarkeit und Performance der Schlauchleitung unter härtesten Bedingungen empfehlen wir den Einsatz von Vollflanschen; ■ Wir empfehlen sich strikt an die Anweisungen zur Einbindung zu halten, wie sie von Manuli Hydraulics zur Verfügung gestellt werden und ausschl. die integrierte Lösung DIAMONDSPIR™ Schlauch & XTRALOCK Armatur zu verwenden.

Il crimpaggio per applicare i raccordi XTRALOCK deve avvenire su presse che possano garantire performance di un certo livello (forza di crimpaggio superiore a 2800-3000 kN) e che siano approvate da Manuli Hydraulics al fine di garantire un'ottima deformazione dei raccordi nonché una perfetta presa degli stessi sul tubo; ■ Si richiedono presse speciali dotate di morsetti lunghi per raccordi XTRALOCK di grandi dimensioni (non è consigliata la doppia pressatura); ■ Si raccomanda l'utilizzo di flange a pezzo unico per ottenere una migliore riuscita degli assemblati in applicazioni molto severe; ■ Si consiglia di seguire le istruzioni dettagliate che Manuli Hydraulics fornisce ai clienti, agli assemblatori e a tutti gli operatori che utilizzano il pacchetto integrato formato da tubo DIAMONDSPIR™ & raccordi XTRALOCK.

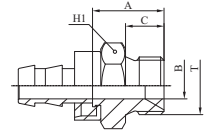
PUSH-LOCK TYPE



BS STANDARD CONNECTIONS

L10510

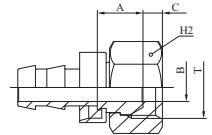
BSP MALE PARALLEL 60° CONE SEAT - BS5200/ISO 8434-6
 BSP 平行外螺纹 (60° 锥形底座) - BS5200/ISO 8434-6
 AGR 60° INNENKONUS (BSP-GEWINDE) - BS5200/ISO 8434-6
 MASCHIO GAS CILINDRICO - BS5200/ISO 8434-6



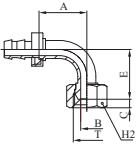
| PART. REF. | HOSE BORE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-----------|---------------|------|------|---|----------------|--|
| | DN | inch | Size | | T | B | A | C | H ₁ | |
| L10510-04-04 | 6 | 1/4" | - 04 | 1/4" - 19 | 5,0 | 18,9 | 11,0 | | 19 | |
| 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 | |

L20513

BSP FEMALE 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT)
 BSP 内螺纹 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母)
 DKR 90° KONUS (BSP-GEWINDE) - HINTERLEGTE MUTTER BS5200/ISO 12151-6
 FEMMINA GAS CONO 90° - BS5200/ISO 12151-6 (DADO PASSANTE)



| 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 | |



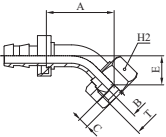
L20593*

90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT)
 90° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母)
 DKR 90° BOGEN 60° KONUS (BSP-GEWINDE) - BS5200/ISO 12151-6 (HINTERLEGTE MUTTER)
 FEMMINA GAS 90° CONO 60° - BS5200/ISO 12151-6 (DADO PASSANTE)

| 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 / No necesita casquillo / Keine Fassung notwendig / Ghiera non necessaria



L20543*

45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200/ISO 12151-6 (SLIP-ON NUT)
 45° BSP 内螺纹巨肘弯头 (60° 锥) - BS5200/ISO 12151-6 (带滑套螺母)
 DKR 45° BOGEN 60° KONUS (BSP-GEWINDE) - BS5200/ISO 12151-6 (HINTERLEGTE MUTTER)
 FEMMINA GAS 45° CONO 60° - BS5200/ISO 12151-6 (DADO PASSANTE)

| 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 / 无需套筒 / Keine Fassung notwendig / Ghiera non necessaria

