

ADAPTADORES



ADAPTADOR IMNMN
ROSCA MACHO NPT X ROSCA MACHO NPT

DESCRIÇÃO	ROSCA 1	ROSCA 2
IMNMN-02-02	1/8" - 8	1/8" - 8
IMNMN-04-02	1/4" - 18	1/8" - 18
IMNMN-04-04	1/4" - 18	1/4" - 18
IMNMN-06-02	3/8" - 18	1/8" - 18
IMNMN-06-04	3/8" - 18	1/4" - 18
IMNMN-06-06	3/8" - 18	3/8" - 18
IMNMN-08-04	1/2" - 14	1/4" - 14
IMNMN-08-06	1/2" - 14	3/8" - 14
IMNMN-08-08	1/2" - 14	1/2" - 14
IMNMN-12-04	3/4" - 14	1/4" - 14
IMNMN-12-06	3/4" - 14	3/8" - 14
IMNMN-12-08	3/4" - 14	1/2" - 14
IMNMN-12-12	3/4" - 14	3/4" - 14
IMNMN-16-08	1" - 11,5	1/2" - 11,5
IMNMN-16-12	1" - 11,5	3/4" - 11,5
IMNMN-16-16	1" - 11,5	1" - 11,5
IMNMN-20-16	1.1/4" - 11,5	1" - 11,5
IMNMN-20-20	1.1/4" - 11,5	1.1/4" - 11,5
IMNMN-24-16	1.1/2" - 11,5	1" - 11,5
IMNMN-24-24	1.1/2" - 11,5	1.1/2" - 11,5
IMNMN-32-32	2" - 11,5	2" - 11,5



ADAPTADOR IMNMJ
ROSCA MACHO NPT X ROSCA MACHO JIC UNF

DESCRIÇÃO	ROSCA 1	ROSCA 2
IMNMJ-02-02	1/8" - 18	5/16" - 24
IMNMJ-02-04	1/8" - 18	7/16" - 24
IMNMJ-02-06	1/8" - 18	9/16" - 18
IMNMJ-04-02	1/4" - 18	5/16" - 24
IMNMJ-04-04	1/4" - 18	7/16" - 20
IMNMJ-04-06	1/4" - 18	9/16" - 18
IMNMJ-04-08	1/4" - 18	3/4" - 16
IMNMJ-06-02	3/8" - 18	5/16" - 24
IMNMJ-06-04	3/8" - 18	7/16" - 20
IMNMJ-06-06	3/8" - 18	9/16" - 18
IMNMJ-06-08	3/8" - 18	3/4" - 16
IMNMJ-06-10	3/8" - 18	7/8" - 14
IMNMJ-08-04	1/2" - 14	7/16" - 18
IMNMJ-08-06	1/2" - 14	9/16" - 16
IMNMJ-08-08	1/2" - 14	3/4" - 16
IMNMJ-08-10	1/2" - 14	7/8" - 14
IMNMJ-08-12	1/2" - 14	1.1/16" - 12
IMNMJ-12-04	3/4" - 14	7/16" - 18
IMNMJ-12-06	3/4" - 14	9/16" - 16
IMNMJ-12-08	3/4" - 14	3/4" - 16
IMNMJ-12-10	3/4" - 14	7/8" - 14
IMNMJ-12-12	3/4" - 14	1.1/16" - 12
IMNMJ-12-16	3/4" - 14	1.5/16" - 12
IMNMJ-16-10	1" - 11,5	7/8" - 14
IMNMJ-16-12	1" - 11,5	1.1/16" - 12
IMNMJ-16-16	1" - 11,5	1.5/16" - 12
IMNMJ-16-20	1" - 11,5	1.5/8" - 12
IMNMJ-20-16	1.1/4" - 11,5	1.5/16" - 12
IMNMJ-20-20	1.1/4" - 11,5	1.5/8" - 12
IMNMJ-20-24	1.1/4" - 11,5	1.7/8" - 12
IMNMJ-24-24	1.1/2" - 11,5	1.7/8" - 12
IMNMJ-24-32	1.1/2" - 11,5	2.1/2" - 12
IMNMJ-32-32	2" - 11,5	2.1/2" - 12

 ADAPTADOR IMBMN ROSCA MACHO BSP X ROSCA MACHO NPT	DESCRIÇÃO IMBMN-02-02 IMBMN-04-04 IMBMN-06-04 IMBMN-06-06 IMBMN-08-06 IMBMN-08-08 IMBMN-12-08 IMBMN-12-12 IMBMN-16-12 IMBMN-16-16 IMBMN-20-20 IMBMN-24-16 IMBMN-24-24 IMBMN-32-32	ROSCA 1 1/8"- 8 1/4"-18 3/8"-18 3/8"-18 1/2"-14 1/2"-14 3/4"-14 3/4"-14 1"-11,5 1"-11,5 1.1/4"-11,5 1.1/2"-11,5 1.1/2"-11,5 2"-11,5	ROSCA 2 1/8"- 8 1/4"-18 1/4"-18 3/8"-18 3/8"-14 1/2"-14 1/2"-14 3/4"-14 3/4"-11,5 1"-11,5 1.1/4"-11,5 1"-11,5 1.1/2"-11,5 2"-11,5
 ADAPTADOR IMJMJ ROSCA MACHO JIC UNF X ROSCA MACHO JIC UNF	DESCRIÇÃO IMJMJ-04-04 IMJMJ-06-04 IMJMJ-06-06 IMJMJ-08-04 IMJMJ-08-06 IMJMJ-08-08 IMJMJ-10-08 IMJMJ-10-10 IMJMJ-10-12 IMJMJ-12-12 IMJMJ-16-12 IMJMJ-16-16 IMJMJ-20-16 IMJMJ-20-20 IMJMJ-24-24 IMJMJ-32-32	ROSCA 1 7/16"-20 9/16"-18 9/16"-18 3/4"-16 3/4"-16 3/4"-16 7/8"-14 7/8"-14 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/16"-12 1.5/8"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 2 7/16"-20 7/16"-20 9/16"-18 7/16"-20 9/16"-18 3/4"-16 3/4"-16 7/8"-14 7/8"-14 1.1/16"-12 1.1/16"-12 1.5/16"-12 1.5/16"-12 1.5/8"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 ADAPTADOR IMMMJ ROSCA MACHO MÉTRICA X ROSCA MACHO JIC UNF	DESCRIÇÃO IMMMJ10-04 IMMMJ-12-04 IMMMJ-12-06 IMMMJ-14-06 IMMMJ-14-08 IMMMJ-16-06 IMMMJ-16-08 IMMMJ-16-10 IMMMJ-18-06 IMMMJ-18-08 IMMMJ-18-10 IMMMJ-20-10 IMMMJ-22-08 IMMMJ-22-10 IMMMJ-22-12 IMMMJ-24-10	ROSCA 1 10 X 1 12 X 1,5 12 X 1,5 14 X 1,5 14 X 1,5 16 X 1,5 16 X 1,5 16 X 1,5 18 X 1,5 18 X 1,5 18 X 1,5 20 X 1,5 22 X 1,5 22 X 1,5 22 X 1,5 24 X 1,5	ROSCA 2 7/16"-20 7/16"-20 9/16"-18 9/16"-18 3/4"-16 9/16"-18 3/4"-16 7/8"-14 9/16"-18 3/4"-16 7/8"-14 7/8"-14 3/4"-16 7/8"-14 1.1/16"-12 7/8"-14



ADAPTADOR IMBMJ
ROSCA MACHO BSP X ROSCA MACHO JIC UNF

DESCRIÇÃO

ROSCA

ROSCA 2

IMBMJ-02-02	1/8"-28	5/16"-24
IMBMJ-02-04	1/8"-28	7/16"-24
IMBMJ-02-06	1/8"-28	9/16"-18
IMBMJ-04-02	1/4"-19	5/16"-24
IMBMJ-04-04	1/4"-19	7/16"-20
IMBMJ-04-06	1/4"-19	9/16"-18
IMBMJ-04-08	1/4"-19	3/4"-16
IMBMJ-06-02	3/8"-19	5/16"-24
IMBMJ-06-04	3/8"-19	7/16"-20
IMBMJ-06-06	3/8"-19	9/16"-18
IMBMJ-06-08	3/8"-19	3/4"-16
IMBMJ-06-10	3/8"-19	7/8"-14
IMBMJ-08-04	1/2"-14	7/16"-18
IMBMJ-08-06	1/2"-14	9/16"-16
IMBMJ-08-08	1/2"-14	3/4"-16
IMBMJ-08-10	1/2"-14	7/8"-14
IMBMJ-08-12	1/2"-14	1.1/16"-12
IMBMJ-12-04	3/4"-14	7/16"-18
IMBMJ-12-06	3/4"-14	9/16"-16
IMBMJ-12-08	3/4"-14	3/4"-16
IMBMJ-12-10	3/4"-14	7/8"-14
IMBMJ-12-12	3/4"-14	1.1/16"-12
IMBMJ-12-16	3/4"-14	1.5/16"-12
IMBMJ-16-10	1"-11,5	7/8"-14
IMBMJ-16-12	1"-11,5	1.1/16"-12
IMBMJ-16-16	1"-11,5	1.5/16"-12
IMBMJ-16-20	1"-11,5	1.5/8"-12
IMBMJ-20-16	1.1/4"-11,5	1.5/16"-12
IMBMJ-20-20	1.1/4"-11,5	1.5/8"-12
IMBMJ-20-24	1.1/4"-11,5	1.7/8"-12
IMBMJ-24-24	1.1/2"-11,5	1.7/8"-12
IMBMJ-24-32	1.1/2"-11,5	2.1/2"-12
IMBMJ-32-32	2"-11,5	2.1/2"-12



ADAPTADOR IMSMJ
ROSCA MACHO JIC UNF X ROSCA MACHO O'RING UNF

DESCRIÇÃO

ROSCA 1

ROSCA 2

IMSMJ-04-04	7/16"-20	7/16"-20
IMSMJ-04-06	7/16"-20	9/16"-18
IMSMJ-05-06	1/2"-20	9/16"-18
IMSMJ-06-04	9/16"-18	7/16"-20
IMSMJ-06-06	9/16"-18	7/16"-20
IMSMJ-06-08	9/16"-18	3/4"-16
IMSMJ-08-04	3/4"-16	7/16"-20
IMSMJ-08-06	3/4"-16	9/16"-18
IMSMJ-08-08	3/4"-16	3/4"-16
IMSMJ-08-10	3/4"-16	7/8"-14
IMSMJ-08-12	3/4"-16	1.1/16"-12
IMSMJ-10-06	7/8"-14	9/16"-18
IMSMJ-10-08	7/8"-14	3/4"-16
IMSMJ-10-10	7/8"-14	7/8"-14
IMSMJ-10-12	7/8"-14	1.1/16"-12
IMSMJ-10-16	7/8"-14	1.5/16"-12
IMSMJ-12-08	1.1/16"-12	3/4"-16
IMSMJ-12-10	1.1/16"-12	7/8"-14
IMSMJ-12-12	1.1/16"-12	1.1/16"-12
IMSMJ-12-16	1.1/16"-12	1.5/16"-12
IMSMJ-16-10	1.5/16"-12	7/8"-14
IMSMJ-16-12	1.5/16"-12	1.1/16"-12
IMSMJ-16-16	1.5/16"-12	1.5/16"-12

 ADAPTADOR IFNFN ROSCA FÊMEA BSP X ROSCA FÊMEA BSP	DESCRIÇÃO IFNFN-02-02 IFNFN-02-04 IFNFN-04-04 IFNFN-04-06 IFNFN-04-08 IFNFN-06-06 IFNFN-06-08 IFNFN-08-08 IFNFN-08-12 IFNFN-12-12 IFNFN-16-16 IFNFN-20-20 IFNFN-24-24 IFNFN-32-32	ROSCA 1 1/8"-27 1/8"-27 1/4"-18 1/4"-18 1/4"-18 3/8"-18 3/8"-18 1/2"-14 1/2"-14 1/2"-14 3/4"-14 3/4"-14 1"-11,5 1.1/4"-11,5 1.1/2"-11,5 2"-11,5	ROSCA 2 1/8"-27 1/4"-18 1/4"-18 3/8"-18 1/2"-14 3/8"-18 1/2"-14 1/2"-14 3/4"-14 3/4"-14 1"-11,5 1.1/4"-11,5 1.1/2"-11,5 2"-11,5
 ADAPTADOR IFNMJ ROSCA FÊMEA FIXA NPT X ROSCA MACHO JIC UNF	DESCRIÇÃO IFNMJ-02-04 IFNMJ-04-04 IFNMJ-04-06 IFNMJ-04-08 IFNMJ-06-06 IFNMJ-06-08 IFNMJ-08-08 IFNMJ-08-12 IFNMJ-12-12 IFNMJ-16-16 IFNMJ-20-20 IFNMJ-24-24 IFNFMJ-32-32	ROSCA 1 1/8"-27 1/4"-18 1/4"-18 1/4"-18 3/8"-18 3/8"-18 1/2"-14 1/2"-14 3/4"-14 1"-11,5 1.1/4"-11,5 1.1/2"-11,5 2"-11,5	ROSCA 2 7/16"-20 7/16"-20 9/16"-18 3/4"-16 9/16"-18 3/4"-16 3/4"-16 1.1/16"-12 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.5/16"-12 2.1/2"-12
 ADAPTADOR IMOMO ROSCA MACHO ORFS X ROSCA MACHO ORFS	DESCRIÇÃO IMOMO-04-04 IMOMO-06-04 IMOMO-06-06 IMOMO-08-06 IMOMO-08-08 IMOMO-10-08 IMOMO-10-10 IMOMO-12-06 IMOMO-12-08 IMOMO-12-10 IMOMO-12-12 IMOMO-16-12 IMOMO-16-16 IMOMO-20-16 IMOMO-20-20 IMOMO-24-24	ROSCA 1 9/16"-18 11/16"-16 11/16"-16 13/16"-16 13/16"-16 1"-14 1"-14 1.3/16"-12 1.3/16"-12 1.3/16"-12 1.3/16"-12 1.7/16"-12 1.7/16"-12 1.11/16"-18 1.11/16"-18 2"-12	ROSCA 2 9/16"-18 9/16"-18 11/16"-16 11/16"-16 13/16"-16 13/16"-16 1"-14 11/16"-16 13/16"-16 1"-14 1.3/16"-12 1.3/16"-12 1.7/16"-12 1.7/16"-12 1.7/16"-12 1.11/16"-18 2"-12
 BUJÃO BMNSI BUJÃO ROSCA MACHO NPT SEXTAVADO INTERNO	DESCRIÇÃO BMNSI-02 BMNSI-04 BMNSI-06 BMNSI-08 BMNSI-12 BMNSI-16 BMNSI-20 BMNSI-24	ROSCA 1/8"-27 1/4"-18 3/8"-18 1/2"-14 3/4"-14 1"-11,5 1.1/4"-11,5 1.1/2"-11,5	

 BUJÃO BMBSI BUJÃO ROSCA MACHO BSP SEXTAVADO INTERNO	DESCRIÇÃO BMBSI-02 BMBSI-04 BMBSI-06 BMBSI-08 BMBSI-12 BMBSI-16 BMBSI-20 BMBSI-24	ROSCA 1/8"-28 1/4"-19 3/8"-19 1/2"-14 3/4"-14 1"-11 1.1/4"-11 1.1/2"-11
 BUJÃO BMSSI BUJÃO ROSCA MACHO UNF SEXTAVADO INTERNO	DESCRIÇÃO BMSSI-04 BMSSI-06 BMSSI-08 BMSSI-10 BMSSI-12 BMSSI-16 BMSSI-20 BMSSI-24	ROSCA 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12
 BUJÃO BMMSI BUJÃO ROSCA MACHO MÉTRICO SEXTAVADO INTERNO	DESCRIÇÃO BMMSI-M10 BMMSI-M12 BMMSI-M14 BMMSI-M16 BMMSI-M18 BMMSI-M20 BMMSI-M22 BMMSI-M26 BMMSI-M33 BMMSI-M42 BMMSI-M48	ROSCA 10 X 1 12 X 1,5 14 X 1,5 16 X 1,5 18 X 1,5 20 X 1,5 22 X 1,5 26 X 1,5 33 X 2 42 X 2 48 X 2
 BUJÃO BFJSE BUJÃO ROSCA FÊMEA JIC UNF SEXTAVADO EXTERNO	DESCRIÇÃO BFJSE-04 BFJSE-06 BFJSE-08 BFJSE-10 BFJSE-12 BFJSE-16 BFJSE-20 BFJSE-24 BFJSE-32	ROSCA 7/16"-20 9/16"-20 3/4"-18 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 BUJÃO BMJSE BUJÃO ROSCA MACHO JIC SEXTAVADO EXTERNO	DESCRIÇÃO BMJSE-04 BMJSE-06 BMJSE-08 BMJSE-10 BMJSE-12 BMJSE-16 BMJSE-20 BMJSE-24 BMJSE-32	ROSCA 7/16"-20 9/16"-20 3/4"-18 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12

 COTOVELO LMJMJ COTOVELO 90 GRAUS ROSCA MACHO JIC UNF X ROSCA MACHO JIC UNF	DESCRIÇÃO LMJMJ-04-04 LMJMJ-06-04 LMJMJ-06-06 LMJMJ-08-04 LMJMJ-08-06 LMJMJ-08-08 LMJMJ-10-08 LMJMJ-10-10 LMJMJ-10-12 IMJMJ-12-12 IMJMJ-16-12 IMJMJ-16-16 IMJMJ-20-16 IMJMJ-20-20 IMJMJ-24-24 IMJMJ-32-32	ROSCA 1 7/16"-20 9/16"-18 9/16"-18 3/4"-16 3/4"-16 3/4"-16 7/8"-14 7/8"-14 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/16"-12 1.5/8"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 2 7/16"-20 7/16"-20 9/16"-18 7/16"-20 9/16"-18 3/4"-16 3/4"-16 7/8"-14 7/8"-14 1.1/16"-12 1.1/16"-12 1.1/16"-12 1.5/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 COTOVELO LMNMN COTOVELO 90 GRAUS ROSCA MACHO NPT X ROSCA MACHO NPT	DESCRIÇÃO LMNMN-02-02 LMNMN-04-02 LMNMN-04-04 LMNMN-06-02 LMNMN-06-04 LMNMN-06-06 LMNMN-08-04 LMNMN-08-06 LMNMN-08-08 LMNMN-12-04 LMNMN-12-06 LMNMN-12-08 LMNMN-12-12 LMNMN-16-08 LMNMN-16-12 LMNMN-16-16 LMNMN-20-16 LMNMN-20-20 LMNMN-24-16 LMNMN-24-24 LMNMN-32-32	ROSCA 1 1/8"- 8 1/4"-18 1/4"-18 3/8"-18 3/8"-18 3/8"-18 1/2"-14 1/2"-14 1/2"-14 3/4"-14 3/4"-14 3/4"-14 3/4"-14 1"-11,5 1"-11,5 1"-11,5 1.1/4"-11,5 1.1/4"-11,5 1.1/2"-11,5 1.1/2"-11,5 2"-11,5	ROSCA 2 1/8"- 8 1/8"-18 1/4"-18 1/8"-18 1/4"-18 3/8"-18 1/4"-14 3/8"-14 1/2"-14 1/4"-14 3/8"-14 1/2"-14 3/4"-14 1/2"-11,5 3/4"-11,5 1"-11,5 1"-11,5 1.1/4"-11,5 1.1/4"-11,5 1"-11,5 1.1/2"-11,5 2"-11,5
 COTOVELO VMNMN COTOVELO 45 GRAUS ROSCA MACHO NPT X ROSCA MACHO NPT	DESCRIÇÃO VMNMN-02-02 VMNMN-04-02 VMNMN-04-04 VMNMN-06-02 VMNMN-06-04 VMNMN-06-06 VMNMN-08-04 VMNMN-08-06 VMNMN-08-08 VMNMN-12-04 VMNMN-12-06 VMNMN-12-08 VMNMN-12-12 VMNMN-16-08 VMNMN-16-12 VMNMN-16-16 VMNMN-20-16 VMNMN-20-20 VMNMN-24-16 VMNMN-24-24	ROSCA 1 1/8"- 8 1/4"-18 1/4"-18 3/8"-18 3/8"-18 3/8"-18 1/2"-14 1/2"-14 1/2"-14 3/4"-14 3/4"-14 3/4"-14 3/4"-14 1"-11,5 1"-11,5 1"-11,5 1.1/4"-11,5 1.1/4"-11,5 1.1/2"-11,5 1.1/2"-11,5	ROSCA 2 1/8"- 8 1/8"-18 1/4"-18 1/8"-18 1/4"-18 3/8"-18 1/4"-14 3/8"-14 1/2"-14 1/4"-14 3/8"-14 1/2"-14 3/4"-14 1/2"-11,5 3/4"-11,5 1"-11,5 1"-11,5 1.1/4"-11,5 1.1/4"-11,5 1"-11,5 1.1/2"-11,5



COTOVELO LFNMN
COTOVELO 90 GRAUS
ROSCA MACHO NPT X ROSCA FÊMEA NPT

DESCRIÇÃO
LFNMN-02-04
LFNMN-04-04
LFNMN-04-06
LFNMN-04-08
LFNMN-06-06
LFNMN-06-08
LFNMN-08-08
LFNMN-08-12
LFNMN-12-12
LFNMN-16-16
LFNMN-20-20
LFNMN-24-24
LFNFMN-32-32

ROSCA 1
1/8"-27
1/4"-18
1/4"-18
1/4"-18
3/8"-18
3/8"-18
1/2"-14
1/2"-14
3/4"-14
1"-11,5
1.1/4"-11,5
1.1/2"-11,5
2"-11,5

ROSCA 2
1/4"-18
1/4"-18
3/8"-18
1/2"-14
3/8"-18
1/2"-14
1/2"-14
3/4"-14
3/4"-14
1"
1.1/4"-11,5
1.1/2"-11,5
2"-11,5



COTOVELO LFNFN
COTOVELO 90 GRAUS
ROSCA FÊMEA NPT X ROSCA FÊMEA NPT

DESCRIÇÃO
LFNFN-02-04
LFNFN-04-04
LFNFN-04-06
LFNFN-04-08
LFNFN-06-06
LFNFN-06-08
LFNFN-08-08
LFNFN-08-12
LFNFN-12-12
LFNFN-16-16
LFNFN-20-20
LFNFN-24-24
LFNFN-32-32

ROSCA 1
1/8"-27
1/4"-18
1/4"-18
1/4"-18
3/8"-18
3/8"-18
1/2"-14
1/2"-14
1/2"-14
3/4"-14
1"-11,5
1.1/4"-11,5
1.1/2"-11,5
2"-11,5

ROSCA 2
1/4"-18
1/4"-18
3/8"-18
1/2"-14
3/8"-18
1/2"-14
1/2"-14
3/4"-14
3/4"-14
1"
1.1/4"-11,5
1.1/2"-11,5
2"-11,5



COTOVELO LMOMO
COTOVELO 90 GRAUS
ROSCA MACHO OFRS X ROSCA MACHO OFRS

DESCRIÇÃO
LMOMO-04-04
LMOMO-06-04
LMOMO-06-06
LMOMO-08-06
LMOMO-08-08
LMOMO-10-08
LMOMO-10-10
LMOMO-12-06
LMOMO-12-08
LMOMO-12-10
LMOMO-12-12
LMOMO-16-12
LMOMO-16-16
LMOMO-20-16
LMOMO-20-20
LMOMO-24-24

ROSCA 1
9/16"-18
11/16"-16
11/16"-16
13/16"-16
13/16"-16
1"-14
1"-14
1.3/16"-12
1.3/16"-12
1.3/16"-12
1.3/16"-12
1.7/16"-12
1.7/16"-12
1.11/16"-18
1.11/16"-18
2"-12

ROSCA 2
9/16"-18
9/16"-18
11/16"-16
11/16"-16
13/16"-16
13/16"-16
1"-14
1"-14
11/16"-16
13/16"-16
1"-14
1.3/16"-12
1.3/16"-12
1.7/16"-12
1.7/16"-12
1.11/16"-18
1.11/16"-18
2"-12



COTOVELO LMNMJ
COTOVELO 90 GRAUS
ROSCA MACHO NPT X ROSCA MACHO JIC UNF

DESCRIÇÃO	ROSCA 1	ROSCA 2
LMNMJ-02-02	1/8" - 18	5/16"-24
LMNMJ-02-04	1/8"-18	7/16"-24
LMNMJ-02-06	1/8"-18	9/16"-18
LMNMJ-04-02	1/4"-18	5/16"-24
LMNMJ-04-04	1/4"-18	7/16"-20
LMNMJ-04-06	1/4"-18	9/16"-18
LMNMJ-04-08	1/4"-18	3/4"-16
LMNMJ-06-02	3/8"-18	5/16"-24
LMNMJ-06-04	3/8"-18	7/16"-20
LMNMJ-06-06	3/8"-18	9/16"-18
LMNMJ-06-08	3/8"-18	3/4"-16
LMNMJ-06-10	3/8"-18	7/8"-14
LMNMJ-08-04	1/2"-14	7/16"-18
LMNMJ-08-06	1/2"-14	9/16"-16
LMNMJ-08-08	1/2"-14	3/4"-16
LMNMJ-08-10	1/2"-14	7/8"-14
LMNMJ-08-12	1/2"-14	1.1/16"-12
LMNMJ-12-04	3/4"-14	7/16"-18
LMNMJ-12-06	3/4"-14	9/16"-16
LMNMJ-12-08	3/4"-14	3/4"-16
LMNMJ-12-10	3/4"-14	7/8"-14
LMNMJ-12-12	3/4"-14	1.1/16"-12
LMNMJ-12-16	3/4"-14	1.5/16"-12
LMNMJ-16-10	1"-11,5	7/8"-14
LMNMJ-16-12	1"-11,5	1.1/16"-12
LMNMJ-16-16	1"-11,5	1.5/16"-12
LMNMJ-16-20	1"-11,5	1.5/8"-12
LMNMJ-20-16	1.1/4"-11,5	1.5/16"-12
LMNMJ-20-20	1.1/4"-11,5	1.5/8"-12
LMNMJ-20-24	1.1/4"-11,5	1.7/8"-12
LMNMJ-24-24	1.1/2"-11,5	1.7/8"-12
LMNMJ-24-32	1.1/2"-11,5	2.1/2"-12
LMNMJ-32-32	2"-11,5	2.1/2"-12



COTOVELO VMNMJ
COTOVELO 45 GRAUS
ROSCA MACHO NPT X ROSCA MACHO JIC UNF

DESCRIÇÃO	ROSCA 1	ROSCA 2
VMNMJ-02-02	1/8" - 18	5/16"-24
VMNMJ-02-04	1/8"-18	7/16"-24
VMNMJ-04-02	1/4"-18	5/16"-24
VMNMJ-04-04	1/4"-18	7/16"-20
VMNMJ-04-06	1/4"-18	9/16"-18
VMNMJ-04-08	1/4"-18	3/4"-16
VMNMJ-06-04	3/8"-18	7/16"-20
VMNMJ-06-06	3/8"-18	9/16"-18
VMNMJ-06-08	3/8"-18	3/4"-16
VMNMJ-06-10	3/8"-18	7/8"-14
VMNMJ-08-04	1/2"-14	7/16"-18
VMNMJ-08-06	1/2"-14	9/16"-16
VMNMJ-08-08	1/2"-14	3/4"-16
VMNMJ-08-10	1/2"-14	7/8"-14
VMNMJ-08-12	1/2"-14	1.1/16"-12
VMNMJ-12-08	3/4"-14	3/4"-16
VMNMJ-12-10	3/4"-14	7/8"-14
VMNMJ-12-12	3/4"-14	1.1/16"-12
VMNMJ-12-16	3/4"-14	1.5/16"-12
VMNMJ-16-12	1"-11,5	1.1/16"-12
VMNMJ-16-16	1"-11,5	1.5/16"-12
VMNMJ-16-20	1"-11,5	1.5/8"-12
VMNMJ-20-20	1.1/4"-11,5	1.5/8"-12
VMNMJ-24-24	1.1/2"-11,5	1.7/8"-12
VMNMJ-32-32	2"-11,5	2.1/2"-12



COTOVELO LMBOMJ
COTOVELO 90 GRAUS
ROSCA MACHO BSP X ROSCA MACHO JIC UNF

DESCRIÇÃO	ROSCA	ROSCA 2
LMBOMJ-02-02	1/8"- 28	5/16"-24
LMBOMJ-02-04	1/8"-28	7/16"-24
LMBOMJ-02-06	1/8"-28	9/16"-18
LMBOMJ-04-02	1/4"-19	5/16"-24
LMBOMJ-04-04	1/4"-19	7/16"-20
LMBOMJ-04-06	1/4"-19	9/16"-18
LMBOMJ-04-08	1/4"-19	3/4"-16
LMBOMJ-06-02	3/8"-19	5/16"-24
LMBOMJ-06-04	3/8"-19	7/16"-20
LMBOMJ-06-06	3/8"-19	9/16"-18
LMBOMJ-06-08	3/8"-19	3/4"-16
LMBOMJ-06-10	3/8"-19	7/8"-14
LMBOMJ-08-04	1/2"-14	7/16"-18
LMBOMJ-08-06	1/2"-14	9/16"-16
LMBOMJ-08-08	1/2"-14	3/4"-16
LMBOMJ-08-10	1/2"-14	7/8"-14
LMBOMJ-08-12	1/2"-14	1.1/16"-12
LMBOMJ-12-04	3/4"-14	7/16"-18
LMBOMJ-12-06	3/4"-14	9/16"-16
LMBOMJ-12-08	3/4"-14	3/4"-16
LMBOMJ-12-10	3/4"-14	7/8"-14
LMBOMJ-12-12	3/4"-14	1.1/16"-12
LMBOMJ-12-16	3/4"-14	1.5/16"-12
LMBOMJ-16-10	1"-11,5	7/8"-14
LMBOMJ-16-12	1"-11,5	1.1/16"-12
LMBOMJ-16-16	1"-11,5	1.5/16"-12
LMBOMJ-16-20	1"-11,5	1.5/8"-12
LMBOMJ-20-16	1.1/4"-11,5	1.5/16"-12
LMBOMJ-20-20	1.1/4"-11,5	1.5/8"-12
LMBOMJ-20-24	1.1/4"-11,5	1.7/8"-12
LMBOMJ-24-24	1.1/2"-11,5	1.7/8"-12
LMBOMJ-24-32	1.1/2"-11,5	2.1/2"-12
LMBOMJ-32-32	2"-11,5	2.1/2"-12



COTOVELO LMSOMJ
COTOVELO 90 GRAUS
ROSCA MACHO OFRS UNF X ROSCA MACHO JIC UNF

DESCRIÇÃO	ROSCA 1	ROSCA 2
LMSOMJ-04-04	7/16"-20	7/16"-20
LMSOMJ-04-06	7/16"-20	9/16"-18
LMSOMJ-05-06	1/2"-20	9/16"-18
LMSOMJ-06-04	9/16"-18	7/16"-20
LMSOMJ-06-06	9/16"-18	7/16"-20
LMSOMJ-06-08	9/16"-18	3/4"-16
LMSOMJ-08-04	3/4"-16	7/16"-20
LMSOMJ-08-06	3/4"-16	9/16"-18
LMSOMJ-08-08	3/4"-16	3/4"-16
LMSOMJ-08-10	3/4"-16	7/8"-14
LMSOMJ-08-12	3/4"-16	1.1/16"-12
LMSOMJ-10-06	7/8"-14	9/16"-18
LMSOMJ-10-08	7/8"-14	3/4"-16
LMSOMJ-10-10	7/8"-14	7/8"-14
LMSOMJ-10-12	7/8"-14	1.1/16"-12
LMSOMJ-10-16	7/8"-14	1.5/16"-12
LMSOMJ-12-08	1.1/16"-12	3/4"-16
LMSOMJ-12-10	1.1/16"-12	7/8"-14
LMSOMJ-12-12	1.1/16"-12	1.1/16"-12
LMSOMJ-12-16	1.1/16"-12	1.5/16"-12
LMSOMJ-16-10	1.5/16"-12	7/8"-14
LMSOMJ-16-12	1.5/16"-12	1.1/16"-12
LMSOMJ-16-16	1.5/16"-12	1.5/16"-12

 TE TMNMN TE ROSCA MACHO NPT X MACHO NPT X MACHO NPT	DESCRIÇÃO TMNMN-20-02 TMNMN-04-04 TMNMN-06-06 TMNMN-08-08 TMNMN-12-12 TMNMN-16-16 TMNMN-20-20 TMNMN-24-24 TMNMN-32-32		ROSCA 1/8"-27 1/ 4"-18 3/8"-18 1/2"-14 3/4"-14 1"-11,5 1.1/4"-11,5 1.1/2"-11,5 2"-11,5	
 TE TLMNMJ TE ROSCA LATERAL MACHO NPT X MACHO JIC X MACHO JIC	DESCRIÇÃO TMNMN-04-04 TMNMN-06-06 TMNMN-08-08 TMNMN-12-12 TMNMN-16-16 TMNMN-20-20 TMNMN-24-24 TMNMN-32-32	ROSCA 1 1/ 4"-18 3/8"-18 1/2"-14 3/4"-14 1"-11,5 1.1/4"11,5 1.1/2"11,5 2"-11,5	ROSCA 2 7/16"-20 9/16"-18 3/4"-16 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 3 7/16"-20 9/16"-18 3/4"-16 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 TE TMJMJ TE ROSCA MACHO JIC X MACHO JIC X MACHO JIC	DESCRIÇÃO TMJMJ-04-04 TMJMJ-06-06 TMJMJ-08-08 TMJMJ-10-10 TMJMJ-12-12 TMJMJ-16-16 TMJMJ-20-20 TMJMJ-24-24 TMJMJ-32-32	ROSCA 1 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 2 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 3 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 TE TCFMJJ TE ROSCA FÊMEA JIC CENTRAL X MACHO JIC X MACHO JIC	DESCRIÇÃO TCFMJJ-04-04 TCFMJJ-06-06 TCFMJJ-08-08 TCFMJJ-10-10 TCFMJJ-12-12 TCFMJJ-16-16 TCFMJJ-20-20 TCFMJJ-24-24 TCFMJJ-32-32	ROSCA 1 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 2 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 3 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 TE TLFJMJ TE ROSCA FÊMEA JIC LATERAL X MACHO JIC X MACHO JIC	DESCRIÇÃO TLFJMJ-04-04 TLFJMJ-06-06 TLFJMJ-08-08 TLFJMJ-10-10 TLFJMJ-12-12 TLFJMJ-16-16 TLFJMJ-20-20 TLFJMJ-24-24 TLFJMJ-32-32	ROSCA 1 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 2 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12	ROSCA 3 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12 1.7/8"-12 2.1/2"-12
 TE TLMSOMJ TE ROSCA MACHO OFRS LATERAL X MACHO JIC X MACHO JIC	DESCRIÇÃO TLMSOMJ-04-04 TLMSOMJ-06-06 TLMSOMJ-08-08 TLMSOMJ-10-10 TLMSOMJ-12-12 TLMSOMJ-16-16 TLMSOMJ-20-20	ROSCA 1 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12	ROSCA 2 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12	ROSCA 3 7/16"-20 9/16"-18 3/4"-16 7/8"-14 1.1/16"-12 1.5/16"-12 1.5/8"-12



TE TCLMSOMJ
TE ROSCA MACHO CENTRAL OFRS UNF X MACHO JIC X
MACHO JIC

DESCRIÇÃO	ROSCA 1	ROSCA 2	ROSCA 3
TCMSOMJ-04-04	7/16"-20	7/16"-20	7/16"-20
TCMSOMJ-06-06	9/16"-18	9/16"-18	9/16"-18
TCMSOMJ-08-08	3/4"-16	3/4"-16	3/4"-16
TCMSOMJ-10-10	7/8"-14	7/8"-14	7/8"-14
TCMSOMJ-12-12	1.1/16"-12	1.1/16"-12	1.1/16"-12
TCMSOMJ-16-16	1.5/16"-12	1.5/16"-12	1.5/16"-12
TCMSOMJ-20-20	1.5/8"-12	1.5/8"-12	1.5/8"-12



ANILHA PARA TUBO HIDRÁULICO

DESCRIÇÃO
ANILHA 4MM
ANILHA 6MM
ANILHA 8MM
ANILHA 10MM
ANILHA 12MM
ANILHA 14MM
ANILHA 15MM
ANILHA 16MM
ANILHA 18MM
ANILHA 20MM
ANILHA 22MM
ANILHA 25MM
ANILHA 28MM
ANILHA 30MM
ANILHA 35MM
ANILHA 38MM
ANILHA 42MM



PORCA PARA TUBO HIDRÁULICO

TUBO
4MM
6MM
8MM
10MM
12MM
14MM
15MM
16MM
18MM
20MM
22MM
25MM
28MM
30MM
35MM
38MM
42MM

ROSCA
M8-LL
M12-LL
M14-L
M16-L
M18-L
M22-S
M22-L
M24-S
M26-L
M30-S
M30-L
M36-S
M36-L
M42-S
M45-L
M52-S
M52-L



UMA - UNIÃO MACHO RETA BSP X TUBO

DESCRIÇÃO	TUBO	ROSCA TUBO	ROSCA MACHO
UMA 06 X 1/8" BSP	06	12-L	1/8"-28
UMA 06 X 1/4" BSP	06	12L	1/4"-19
UMA 06 X 3/8" BSP	06	12-L	3/8"-19
UMA 06 X 1/2" BSP	06	12-L	1/2"-14
UMA 08 X 1/8" BSP	08	14-L	1/8"-28
UMA 08 X 1/4" BSP	08	14-L	1/4"-19
UMA 08 X 3/8" BSP	08	14-L	3/8"-19
UMA 08 X 1/2" BSP	08	14-L	1/2"-14
UMA 10 X 1/8" BSP	10	16-L	1/8"-28
UMA 10 X 1/4" BSP	10	16-L	1/4"-19
UMA 10 X 3/8" BSP	10	16-L	3/8"-19
UMA 10 X 1/2" BSP	10	16-L	1/2"-14
UMA 12 X 1/4" BSP	12	18-L	1/4"-19
UMA 12 X 3/8" BSP	12	18-L	3/8"-19
UMA 12 X 1/2" BSP	12	20-S	1/2"-14
UMA 12 x 3/4" BSP	12	20-S	3/4"-14
UMA 14 x 3/8" BSP	14	22-S	3/8"-19
UMA 14 X 1/2" BSP	14	22-S	1/2"-14
UMA 15 X 3/8" BSP	15	22-L	3/8"-19
UMA 15 X 1/2" BSP	15	22-L	1/2"-14
UMA 15 x 3/4" BSP	16	22-L	3/4"-14
UMA 16 X 1/2" BSP	16	24-S	1/2"-14
UMA 16 x 3/4" BSP	16	24-S	3/4"-14
UMA 16 X 1" BSP	16	24-S	1"-11
UMA 18 X 3/8" BSP	18	26-L	3/8"-19
UMA 18 x 1/2" BSP	18	26-L	1/2"-14
UMA 18 X 3/4" BSP	18	26-L	3/4"-14
UMA 18 X 1" BSP	18	26-L	1"-11
UMA 20 X 3/4" BSP	20	30-S	3/4"-14
UMA 20 x 1" BSP	20	30-S	1"-11
UMA 22 X 3/4" BSP	22	30-L	3/4"-14
UMA 22 x 1" BSP	22	30-L	1"-11
UMA 25 x 1/2" BSP	25	36-S	1/2"-14
UMA 25 X 3/4" BSP	25	36-S	3/4"-14
UMA 25 X 1" BSP	25	36-S	1"-11
UMA 25 x 1.1/4" BSP	25	36-S	1.1/4"-11
UMA 28 X 1" BSP	28	36-L	1"-11
UMA 28 X 1.1/4" BSP	28	36-L	1.1/4"-11
UMA 30 X 3/4" BSP	30	42-S	3/4"-14
UMA 30 X 1" BSP	30	42-S	1"-11
UMA 30 X 1.1/4" BSP	30	42-S	1.1/4"-11
UMA 35 x 1" BSP	35	45-L	1"-11
UMA 35 X 1.1/4" BSP	35	45-L	1.1/4"-11
UMA 35 x 1.1/2" BSP	35	45-L	1.1/2"-11
UMA 38 x 1" BSP	38	52-S	1"-11
UMA 38 x 1.1/4" BSP	38	52-S	1.1/4"-11
UMA 38 X 1.1/2" BSP	38	52-S	1.1/2"-11
UMA 42 x 1.1/4" BSP	38	52-S	1.1/4"-11
UMA 42 X 1.1/2" BSP	42	52-S	1.1/2"-11



UMA – UNIÃO MACHO RETA NPT X TUBO

DESCRIÇÃO	TUBO	ROSCA TUBO	ROSCA MACHO
UMA 06 X 1/8" NPT	06	12-L	1/8"-27
UMA 06 X 1/4" NPT	06	12L	1/4"-18
UMA 06 X 3/8" NPT	06	12-L	3/8"-18
UMA 06 X 1/2" NPT	06	12-L	1/2"-14
UMA 08 X 1/8" NPT	08	14-L	1/8"-27
UMA 08 X 1/4" NPT	08	14-L	1/4"-18
UMA 08 X 3/8" NPT	08	14-L	3/8"-18
UMA 08 X 1/2" NPT	08	14-L	1/2"-14
UMA 10 X 1/8" NPT	10	16-L	1/8"-27
UMA 10 X 1/4" NPT	10	16-L	1/4"-18
UMA 10 X 3/8" NPT	10	16-L	3/8"-18
UMA 10 X 1/2" NPT	10	16-L	1/2"-14
UMA 12 X 1/4" NPT	12	18-L	1/4"-18
UMA 12 X 3/8" NPT	12	18-L	3/8"-18
UMA 12 X 1/2" NPT	12	20-S	1/2"-14
UMA 12 x 3/4" NPT	12	20-S	3/4"-14
UMA 14 x 3/8" NPT	14	22-S	3/8"-18
UMA 14 X 1/2" NPT	14	22-S	1/2"-14
UMA 15 X 3/8" NPT	15	22-L	3/8"-18
UMA 15 X 1/2" NPT	15	22-L	1/2"-14
UMA 15 x 3/4" NPT	16	22-L	3/4"-14
UMA 16 X 1/2" NPT	16	24-S	1/2"-14
UMA 16 x 3/4" NPT	16	24-S	3/4"-14
UMA 16 X 1" NPT	16	24-S	1"-11,5
UMA 18 X 3/8"NPT	18	26-L	3/8"-18
UMA 18 x 1/2" NPT	18	26-L	1/2"-14
UMA 18 X 3/4" NPT	18	26-L	3/4"-14
UMA 18 X 1" NPT	18	26-L	1"-11,5
UMA 20 X 3/4" NPT	20	30-S	3/4"-14
UMA 20 x 1" NPT	20	30-S	1"-11,5
UMA 22 X 3/4" NPT	22	30-L	3/4"-14
UMA 22 x 1" NPT	22	30-L	1"-11,5
UMA 25 x 1/2" NPT	25	36-S	1/2"-14
UMA 25 X 3/4" NPT	25	36-S	3/4"-14
UMA 25 X 1" NPT	25	36-S	1"-11,5
UMA 25 X 1.1/4"NPT	25	36-S	1.1/4"11,5
UMA 28 X 1" NPT	28	36-L	1"-11,5
UMA 28 X 1.1/4"NPT	28	36-L	1.1/4"11,5
UMA 30 X 3/4" NPT	30	42-S	3/4"-14
UMA 30 X 1" NPT	30	42-S	1"-11,5
UMA 30X 1.1/4"NPT	30	42-S	1.1/4"11,5
UMA 35 x 1" NPT	35	45-L	1"-11,5
UMA 35X 1.1/4"NPT	35	45-L	1.1/4"11,5
UMA 35 x 1.1/2"NPT	35	45-L	1.1/2"11,5
UMA 38 x 1" NPT	38	52-S	1"-11,5
UMA 38x 1.1/4"NPT	38	52-S	1.1/4"11,5
UMA 38 X 1.1/2"NPT	38	52-S	1.1/2"11,5
UMA 42 x 1.1/4"NPT	38	52-S	1.1/4"11,5
UMA 42X 1.1/2"NPT	42	52-S	1.1/2"11,5



UFA – UNIÃO FÊMEA BSP X TUBO

	DESCRIÇÃO	TUBO	ROSCA TUBO	ROSCA MACHO
	UFA 06 X 1/8" BSP	06	12-L	1/8"-28
	UFA 06 X 1/4" BSP	06	12L	1/4"-19
	UFA 06 X 3/8" BSP	06	12-L	3/8"-19
	UFA 06 X 1/2" BSP	06	12-L	1/2"-14
	UFA 08 X 1/8" BSP	08	14-L	1/8"-28
	UFA 08 X 1/4" BSP	08	14-L	1/4"-19
	UFA 08 X 3/8" BSP	08	14-L	3/8"-19
	UFA 08 X 1/2" BSP	08	14-L	1/2"-14
	UFA 10 X 1/8" BSP	10	16-L	1/8"-28
	UFA 10 X 1/4" BSP	10	16-L	1/4"-19
	UFA 10 X 3/8" BSP	10	16-L	3/8"-19
	UFA 10 X 1/2" BSP	10	16-L	1/2"-14
	UFA 12 X 1/4" BSP	12	18-L	1/4"-19
	UFA 12 X 3/8" BSP	12	18-L	3/8"-19
	UFA 12 X 1/2" BSP	12	20-S	1/2"-14
	UFA 12 x 3/4" BSP	12	20-S	3/4"-14
	UFA 14 x 3/8" BSP	14	22-S	3/8"-19
	UFA 14 X 1/2" BSP	14	22-S	1/2"-14
	UFA 15 X 3/8" BSP	15	22-L	3/8"-19
	UFA 15 X 1/2" BSP	15	22-L	1/2"-14
	UFA 15 x 3/4" BSP	16	22-L	3/4"-14
	UFA 16 X 1/2" BSP	16	24-S	1/2"-14
	UFA 16 x 3/4" BSP	16	24-S	3/4"-14
	UFA 16 X 1" BSP	16	24-S	1"-11
	UFA 18 X 3/8" BSP	18	26-L	3/8"-19
	UFA 18 x 1/2" BSP	18	26-L	1/2"-14
	UFA 18 X 3/4" BSP	18	26-L	3/4"-14
	UFA 18 X 1" BSP	18	26-L	1"-11
	UFA 20 X 3/4" BSP	20	30-S	3/4"-14
	UFA 20 x 1" BSP	20	30-S	1"-11
	UFA 22 X 3/4" BSP	22	30-L	3/4"-14
	UFA 22 x 1" BSP	22	30-L	1"-11
	UFA 25 x 1/2" BSP	25	36-S	1/2"-14
	UFA 25 X 3/4" BSP	25	36-S	3/4"-14
	UFA 25 X 1" BSP	25	36-S	1"-11
	UFA 25 x 1.1/4" BSP	25	36-S	1.1/4"-11
	UFA 28 X 1" BSP	28	36-L	1"-11
	UFA 28 X 1.1/4" BSP	28	36-L	1.1/4"-11
	UFA 30 X 3/4" BSP	30	42-S	3/4"-14
	UFA 30 X 1" BSP	30	42-S	1"-11
	UFA 30 X 1.1/4" BSP	30	42-S	1.1/4"-11
	UFA 35 x 1" BSP	35	45-L	1"-11
	UFA 35 X 1.1/4" BSP	35	45-L	1.1/4"-11
	UFA 35 x 1.1/2" BSP	35	45-L	1.1/2"-11
	UFA 38 x 1" BSP	38	52-S	1"-11
	UFA 38 x 1.1/4" BSP	38	52-S	1.1/4"-11
	UFA 38 X 1.1/2" BSP	38	52-S	1.1/2"-11
	UFA 42 x 1.1/4" BSP	38	52-S	1.1/4"-11
	UFA 42 X 1.1/2" BSP	42	52-S	1.1/2"-11



UDA – UNIÃO IGUAL RETA TUBO X TUBO

DESCRIÇÃO

TUBO

ROSCA

UDA 4-LL	4	M8
UDA 6-LL	6	M10
UDA 8-LL	8	M12
UDA 6-L	6	M12
UDA 8-L	8	M14
UDA 10-L	10	M16
UDA 12-L	12	M18
UDA 12-S	12	M20
UDA 14-S	14	M22
UDA 15-L	15	M22
UDA 16-S	16	M24
UDA 18-L	18	M26
UDA 20-S	20	M30
UDA 22-L	22	M30
UDA 25-L	25	M34
UDA 25-S	25	M36
UDA 28-L	28	M36
UDA 30-S	30	M42
UDA 35-L	35	M45
UDA 38-L	38	M48
UDA 38-S	38	M52
UDA 42-L	42	M52



UCA – UNIÃO IGUAL RETA PAINEL TUBO X TUBO

DESCRIÇÃO

TUBO

ROSCA

UCA 4-LL	4	M8
UCA 6-LL	6	M10
UCA 8-LL	8	M12
UCA 6-L	6	M12
UCA 8-L	8	M14
UCA 10-L	10	M16
UCA 12-L	12	M18
UCA 12-S	12	M20
UCA 14-S	14	M22
UCA 15-L	15	M22
UCA 16-S	16	M24
UCA 18-L	18	M26
UCA 20-S	20	M30
UCA 22-L	22	M30
UCA 25-L	25	M34
UCA 25-S	25	M36
UCA 28-L	28	M36
UCA 30-S	30	M42
UCA 35-L	35	M45
UCA 38-L	38	M48
UCA 38-S	38	M52
UCA 42-L	42	M52



JIA – JOELHO IGUAL TUBO X TUBO

DESCRIÇÃO

TUBO

ROSCA

JIA 4-LL	4	M8
JIA 6-LL	6	M10
JIA 8-LL	8	M12
JIA 6-L	6	M12
JIA 8-L	8	M14
JIA 10-L	10	M16
JIA 12-L	12	M18
JIA 12-S	12	M20
JIA 14-S	14	M22
JIA 15-L	15	M22
JIA 16-S	16	M24
JIA 18-L	18	M26
JIA 20-S	20	M30
JIA 22-L	22	M30
JIA 25-L	25	M34
JIA 25-S	25	M36
JIA 28-L	28	M36
JIA 30-S	30	M42
JIA 35-L	35	M45
JIA 38-L	38	M48
JIA 38-S	38	M52
JIA 42-L	42	M52



MJLA – CONEXÃO FÊMEA DKO X TUBO

DESCRIÇÃO

TUBO

ROSCA

MJLA 4-LL	4	M8
MJLA 6-LL	6	M10
MJLA 8-LL	8	M12
MJLA 6-L	6	M12
MJLA 8-L	8	M14
MJLA 10-L	10	M16
MJLA 12-L	12	M18
MJLA 12-S	12	M20
MJLA 14-S	14	M22
MJLA 15-L	15	M22
MJLA 16-S	16	M24
MJLA 18-L	18	M26
MJLA 20-S	20	M30
MJLA 22-L	22	M30
MJLA 25-L	25	M34
MJLA 25-S	25	M36
MJLA 28-L	28	M36
MJLA 30-S	30	M42
MJLA 35-L	35	M45
MJLA 38-L	38	M48
MJLA 38-S	38	M52
MJLA 42-L	42	M52



JMA – COTOVELO ROSCA MACHO NPT X TUBO

DESCRIÇÃO	TUBO	ROSCA TUBO	ROSCA MACHO
JMA 06 X 1/8" NPT	06	12-L	1/8"-27
JMA 06 X 1/4" NPT	06	12L	1/4"-18
JMA 06 X 3/8" NPT	06	12-L	3/8"-18
JMA 06 X 1/2" NPT	06	12-L	1/2"-14
JMA 08 X 1/8" NPT	08	14-L	1/8"-27
JMA 08 X 1/4" NPT	08	14-L	1/4"-18
JMA 08 X 3/8" NPT	08	14-L	3/8"-18
JMA 08 X 1/2" NPT	08	14-L	1/2"-14
JMA 10 X 1/8" NPT	10	16-L	1/8"-27
JMA 10 X 1/4" NPT	10	16-L	1/4"-18
JMA 10 X 3/8" NPT	10	16-L	3/8"-18
JMA 10 X 1/2" NPT	10	16-L	1/2"-14
JMA 12 X 1/4" NPT	12	18-L	1/4"-18
JMA 12 X 3/8" NPT	12	18-L	3/8"-18
JMA 12 X 1/2" NPT	12	20-S	1/2"-14
JMA 12 x 3/4" NPT	12	20-S	3/4"-14
JMA 14 x 3/8" NPT	14	22-S	3/8"-18
JMA 14 X 1/2" NPT	14	22-S	1/2"-14
JMA 15 X 3/8" NPT	15	22-L	3/8"-18
JMA 15 X 1/2" NPT	15	22-L	1/2"-14
JMA 15 x 3/4" NPT	16	22-L	3/4"-14
JMA 16 X 1/2" NPT	16	24-S	1/2"-14
JMA 16 x 3/4" NPT	16	24-S	3/4"-14
JMA 16 X 1" NPT	16	24-S	1"-11,5
JMA 18 X 3/8" NPT	18	26-L	3/8"-18
JMA 18 x 1/2" NPT	18	26-L	1/2"-14
JMA 18 X 3/4" NPT	18	26-L	3/4"-14
JMA 18 X 1" NPT	18	26-L	1"-11,5
JMA 20 X 3/4" NPT	20	30-S	3/4"-14
JMA 20 x 1" NPT	20	30-S	1"-11,5
JMA 22 X 3/4" NPT	22	30-L	3/4"-14
JMA 22 x 1" NPT	22	30-L	1"-11,5
JMA 25 x 1/2" NPT	25	36-S	1/2"-14
JMA 25 X 3/4" NPT	25	36-S	3/4"-14
JMA 25 X 1" NPT	25	36-S	1"-11,5
JMA 25 x 1.1/4"NPT	25	36-S	1.1/4"-11,5
JMA 28 X 1" NPT	28	36-L	1"-11,5
JMA 28 X 1.1/4"NPT	28	36-L	1.1/4"-11,5
JMA 30 X 3/4" NPT	30	42-S	3/4"-14
JMA 30 X 1" NPT	30	42-S	1"-11,5
JMA 30 X 1.1/4"NPT	30	42-S	1.1/4"-11,5
JMA 35 x 1" NPT	35	45-L	1"-11,5
JMA 35 X 1.1/4"NPT	35	45-L	1.1/4"-11,5
JMA 35 x 1.1/2"NPT	35	45-L	1.1/2"-11,5
JMA 38 x 1" NPT	38	52-S	1"-11,5
JMA 38 x 1.1/4"NPT	38	52-S	1.1/4"-11,5
JMA 38 X 1.1/2"NPT	38	52-S	1.1/2"-11,5
JMA 42 x 1.1/4"NPT	38	52-S	1.1/4"-11,5
JMA 42 X 1.1/2"NPT	42	52-S	1.1/2"-11,5



TIA – TE IGUAL TUBO X TUBO X TUBO

DESCRIÇÃO	TUBO	ROSCA
TIA 4-LL	4	M8
TIA 6-LL	6	M10
TIA 8-LL	8	M12
TIA 6-L	6	M12
TIA 8-L	8	M14
TIA 10-L	10	M16
TIA 12-L	12	M18
TIA 12-S	12	M20
TIA 14-S	14	M22
TIA 15-L	15	M22
TIA 16-S	16	M24
TIA 18-L	18	M26
TIA 20-S	20	M30
TIA 22-L	22	M30
TIA 25-L	25	M34
TIA 25-S	25	M36
TIA 28-L	28	M36
TIA 30-S	30	M42
TIA 35-L	35	M45
TIA 38-L	38	M48
TIA 38-S	38	M52
TIA 42-L	42	M52



TMA – TE ROSCA MACHO CENTRAL NPT X TUBO X TUBO

DESCRIÇÃO	TUBO	ROSCA TUBO	ROSCA M
TMA 4-LL	4	M8	1/8"-27
TMA 6-LL	6	M10	1/8"-27
TMA 8-LL	8	M12	1/8"-27
TMA 6-L	6	M12	1/8"-27
TMA 8-L	8	M14	1/4"-28
TMA 10-L	10	M16	3/8"-18
TMA 12-L	12	M18	3/8"-18
TMA 12-S	12	M20	3/8"-18
TMA 14-S	14	M22	1/2"-14
TMA 15-L	15	M22	1/2"-14
TMA 16-S	16	M24	1/2"-14
TMA 18-L	18	M26	1/2"-14
TMA 20-S	20	M30	3/4"-14
TMA 22-L	22	M30	3/4"-14
TMA 25-L	25	M34	3/4"-14
TMA 25-S	25	M36	3/4"-14
TMA 28-L	28	M36	1"-11,5
TMA 30-S	30	M42	1.1/4"-11,5
TMA 35-L	35	M45	1.1/4"-11,5
TMA 38-L	38	M48	1.1/2"-11,5
TMA 38-S	38	M52	1.1/2"-11,5
TMA 42-L	42	M52	1.1/2"-11,5

 MTVLA – TE LATERAL FÊMEA DKO X TUBO X TUBO	DESCRIÇÃO MTVLA 4-LL MTVLA 6-LL MTVLA 8-LL MTVLA 6-L MTVLA 8-L MTVLA 10-L MTVLA 12-L MTVLA 12-S MTVLA 14-S MTVLA 15-L MTVLA 16-S MTVLA 18-L MTVLA 20-S MTVLA 22-L MTVLA 25-L MTVLA 25-S MTVLA 28-L MTVLA 30-S MTVLA 35-L MTVLA 38-L MTVLA 38-S MTVLA 42-L	TUBO 4 6 8 6 8 10 12 12 14 15 16 18 20 22 25 25 28 30 35 38 38 42	ROSCA M8 M10 M12 M12 M14 M16 M18 M20 M22 M22 M24 M26 M30 M30 M34 M36 M36 M42 M45 M48 M52 M52
 MTLA – TE CENTRAL FÊMEA X TUBO X TUBO	DESCRIÇÃO MTLA 6-L MTLA 8-L MTLA 10-L MTLA 12-L MTLA 12-S MTLA 14-S MTLA 15-L MTLA 16-S MTLA 18-L MTLA 20-S MTLA 22-L MTLA 25-L MTLA 25-S MTLA 28-L MTLA 30-S MTLA 35-L MTLA 38-L MTLA 38-S MTLA 42-L	TUBO 6 8 10 12 12 14 15 16 18 20 22 25 25 28 30 35 38 38 42	ROSCA M12 M14 M16 M18 M20 M22 M22 M24 M26 M30 M30 M34 M36 M36 M42 M45 M48 M52 M52
 BUJÃO PARA TUBO	OBA-06 OBA-08 OBA-10 OBA-12 OBA-14 OBA-15 OBA-16 OBA-18 OBA-20 OBA-22 OBA-25 OBA-28 OBA-30 OBA-35 OBA-38 OBA-42		