

TERMINAIS PARA MANGUEIRAS HIDRÁULICAS

DESCRIÇÃO	MANGUEIRA	
CAPA PRENSÁVEL 1 E 2 TRAMAS 	POL 3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 1" 1.1/4" 1.1/2" 2"	BITOLA 03 04 05 06 08 10 12 16 20 24 32
DESCRIÇÃO	MANGUEIRA	
CAPA PRENSÁVEL 100R6/100R7 	POL 3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 1" 1.1/4" 1.1/2" 2"	BITOLA 03 04 05 06 08 10 12 16 20 24 32
DESCRIÇÃO	MANGUEIRA	
CAPA PRENSÁVEL 4 TRAMAS 	POL 3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 1" 1.1/4" 1.1/2" 2"	BITOLA 03 04 05 06 08 10 12 16 20 24 32

DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL MJ MACHO FIXO JIC UNF	ROSCA	TRAÇO	D.E (mm)	POL	BITOLA	CÓDIGO
	7/16"-20	04	7,8	1/4"	04	MJ-04-04
	1/2"-20	05	12,6	1/4"	04	MJ-05-04
	9/16"-18	06	14,1	1/4"	04	MJ-06-04
	1/2"-20	05	12,6	5/16"	05	MJ-05-05
	9/16"-18	06	14,1	5/16"	05	MJ-06-05
	9/16"-18	06	14,1	3/8"	06	MJ-06-06
	9/16"-18	06	14,1	1/2"	08	MJ-06-08
	3/4"-16	08	18,9	3/8"	06	MJ-08-06
	7/8"-14	10	22,1	3/8"	06	MJ-10-06
	3/4"-16	08	18,9	1/2"	08	MJ-08-08
	7/8"-14	10	22,1	1/2"	08	MJ-10-08
	1.1/16"-12	12	26,9	1/2"	08	MJ-12-08
	7/8"-14	10	22,1	5/8"	10	MJ-10-10
	1.1/16"-12	12	26,9	5/8"	10	MJ-12-10
	1.1/16"-12	12	26,9	3/4"	12	MJ-12-12
	1.3/16"-12	14	30,3	3/4"	12	MJ-14-12
	1.5/16"-12	16	33,1	3/4"	12	MJ-16-12
	1.1/16"-12	12	26,9	1"	16	MJ-12-16
	1.5/16"-12	16	33,1	1"	16	MJ-16-16
	1.5/8"-12	20	41,1	1'	16	MJ-20-16
	1.5/8"-12	20	41,1	1.1/4"	20	MJ-20-20
	1.7/8"-12	24	47,4	1.1/4"	20	MJ-24-20
	1.7/8"-12	24	47,4	1.1/2"	24	MJ-24-24
	2.1/2"-12	32	63,3	2"	32	MJ-32-32
DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FJ FÊMEA GIRATÓRIA JIC UNF	ROSCA	TRAÇO	D.I (mm)	POL	BITOLA	CÓDIGO
	7/16"-20	04	9,9	1/4"	04	FJ-04-04
	1/2"-20	05	11,5	1/4"	04	FJ-05-04
	9/16"-18	06	12,9	1/4"	04	FJ-06-04
	9/16"-18	06	12,9	5/16"	05	FJ-06-05
	9/16"-18	06	12,9	3/8"	06	FJ-06-06
	9/16"-18	06	12,9	1/2"	08	FJ-06-08
	3/4"-16	08	17,5	3/8"	06	FJ-08-06
	7/8"-14	10	20,5	3/8"	06	FJ-10-06
	3/4"-16	08	17,5	1/2"	08	FJ-08-08
	7/8"-14	10	20,5	1/2"	08	FJ-10-08
	1.1/16"-12	12	24,9	1/2"	08	FJ-12-08
	7/8"-14	10	20,5	5/8"	10	FJ-10-10
	1.1/16"-12	12	24,9	5/8"	10	FJ-12-10
	1.1/16"-12	12	24,9	3/4"	12	FJ-12-12
	1.3/16"-12	14	28,10	3/4"	12	FJ-14-12
	1.5/16"-12	16	31,3	3/4"	12	FJ-16-12
	1.1/16"-12	12	24,9	1"	16	FJ-12-16
	1.5/16"-12	16	31,3	1"	16	FJ-16-16
	1.5/8"-12	20	39,2	1'	16	FJ-20-16
	1.5/8"-12	20	39,2	1.1/4"	20	FJ-20-20
	1.7/8"-12	24	45,6	1.1/4"	20	FJ-24-20
	1.7/8"-12	24	45,6	1.1/2"	24	FJ-24-24
	2.1/2"-12	32	61,4	2"	32	FJ-32-32

DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FJ 45 GRAUS FÊMEA GIRATÓRIA JIC UNF 45 GRAUS	ROSCA	TRAÇO	D.I (mm)	POL	BITOLA	CÓDIGO
	7/16"-20	04	9,9	1/4"	04	FJ45-04-04
	1/2"-20	05	11,5	1/4"	04	FJ45-05-04
	9/16"-18	06	12,9	1/4"	04	FJ45-06-04
	1/2"-20	05	11,5	5/16"	05	FJ45-05-05
	9/16"-18	06	12,9	5/16"	05	FJ45-06-05
	9/16"-18	06	12,9	3/8"	06	FJ45-06-06
	9/16"-18	06	12,9	1/2"	08	FJ45-06-08
	3/4"-16	08	17,5	3/8"	06	FJ45-08-06
	7/8"-14	10	20,5	3/8"	06	FJ45-10-06
	3/4"-16	08	17,5	1/2"	08	FJ45-08-08
	7/8"-14	10	20,5	1/2"	08	FJ45-10-08
	1.1/16"-12	12	24,9	1/2"	08	FJ45-12-08
	7/8"-14	10	20,5	5/8"	10	FJ45-10-10
	1.1/16"-12	12	24,9	5/8"	10	FJ45-12-10
	1.1/16"-12	12	24,9	3/4"	12	FJ45-12-12
	1.3/16"-12	14	28,10	3/4"	12	FJ45-14-12
	1.5/16"-12	16	31,3	3/4"	12	FJ45-16-12
	1.1/16"-12	12	24,9	1"	16	FJ45-12-16
	1.5/16"-12	16	31,3	1"	16	FJ45-16-16
	1.5/8"-12	20	39,2	1'	16	FJ45-20-16
	1.5/8"-12	20	39,2	1.1/4"	20	FJ45-20-20
	1.7/8"-12	24	45,6	1.1/4"	20	FJ45-24-20
	1.7/8"-12	24	45,6	1.1/2"	24	FJ45-24-24
	2.1/2"-12	32	61,4	2"	32	FJ45-32-32
DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FJ 90 GRAUS FÊMEA GIRATÓRIA JIC UNF 90 GRAUS	ROSCA	TRAÇO	D.I (mm)	POL	BITOLA	CÓDIGO
	7/16"-20	04	9,9	1/4"	04	FJ90-04-04
	1/2"-20	05	11,5	1/4"	04	FJ90-05-04
	9/16"-18	06	12,9	1/4"	04	FJ90-06-04
	1/2"-20	05	11,5	5/16"	05	FJ90-05-05
	9/16"-18	06	12,9	5/16"	05	FJ90-06-05
	9/16"-18	06	12,9	3/8"	06	FJ90-06-06
	9/16"-18	06	12,9	1/2"	08	FJ90-06-08
	3/4"-16	08	17,5	3/8"	06	FJ90-08-06
	7/8"-14	10	20,5	3/8"	06	FJ90-10-06
	3/4"-16	08	17,5	1/2"	08	FJ90-08-08
	7/8"-14	10	20,5	1/2"	08	FJ90-10-08
	1.1/16"-12	12	24,9	1/2"	08	FJ90-12-08
	7/8"-14	10	20,5	5/8"	10	FJ90-10-10
	1.1/16"-12	12	24,9	5/8"	10	FJ90-12-10
	1.1/16"-12	12	24,9	3/4"	12	FJ90-12-12
	1.3/16"-12	14	28,10	3/4"	12	FJ90-14-12
	1.5/16"-12	16	31,3	3/4"	12	FJ90-16-12
	1.1/16"-12	12	24,9	1"	16	FJ90-12-16
	1.5/16"-12	16	31,3	1"	16	FJ90-16-16
	1.5/8"-12	20	39,2	1'	16	FJ90-20-16
	1.5/8"-12	20	39,2	1.1/4"	20	FJ90-20-20
	1.7/8"-12	24	45,6	1.1/4"	20	FJ90-24-20
	1.7/8"-12	24	45,6	1.1/2"	24	FJ90-24-24
	2.1/2"-12	32	61,4	2"	32	FJ90-32-32

DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL MN MACHO FIXO NPT	ROSCA	TRAÇO	D.E (mm)	POL	BITOLA	CÓDIGO
	1/8"-27	02	10,3	3/16"	03	MN-02-03
	1/8"-27	02	10,3	1/4"	04	MN-02-04
	1/4"-18	04	14,3	1/4"	04	MN-04-04
	3/8"-18	06	17,5	1/4"	04	MN-06-04
	3/8"-18	06	17,5	5/16"	05	MN-06-05
	1/4"-18	04	14,3	3/8"	06	MN-04-06
	1/4"-18	04	14,3	1/2"	08	MN-04-08
	3/8"-18	06	17,5	3/8"	06	MN-06-06
	1/2"-14	08	21,4	1/4"	04	MN-08-04
	1/2"-14	08	21,4	3/8"	06	MN-08-06
	3/8"-18	06	17,5	1/2"	08	MN-06-08
	1/2"-14	08	21,4	1/2"	08	MN-08-08
	3/4"-14	12	27,0	1/2"	08	MN-12-08
	1/2"-14	08	21,4	5/8"	10	MN-08-10
	1/2"-14	08	21,4	3/4"	12	MN-08-12
	3/4"-14	12	27,0	5/8"	10	MN-12-10
	3/4"-14	12	27,0	3/4"	12	MN-12-12
	1"-11,5	16	33,3	5/8"	10	MN-16-10
	1"-11,5	16	33,3	3/4"	12	MN-16-12
	1"-11,5	16	33,3	1"	16	MN-16-16
	1.1/4"-11,5	20	42,9	1"	16	MN-20-16
	1.1/4"-11,5	20	42,9	1.1/4"	20	MN-20-20
	1.1/2"-11,5	24	48,4	1.1/2"	24	MN-24-24
	2"-11,5	32	60,3	2"	32	MN-32-32
DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FB FÊMEA GIRATÓRIA BSP	ROSCA	TRAÇO	D.I (mm)	POL	BITOLA	CÓDIGO
	1/8"-28	02	8,7	3/16"	03	FB-02-03
	1/8"-28	02	8,7	1/4"	04	FB-02-04
	1/4"-19	04	11,1	1/4"	04	FB-04-04
	3/8"-19	06	15,1	1/4"	04	FB-06-04
	3/8"-19	06	15,1	5/16"	05	FB-06-05
	1/4"-19	04	11,1	3/8"	06	FB-04-06
	1/4"-19	04	11,1	1/2"	08	FB-04-08
	3/8"-19	06	15,1	3/8"	06	FB-06-06
	1/2"-14	08	18,3	1/4"	04	FB-08-04
	1/2"-14	08	18,3	3/8"	06	FB-08-06
	3/8"-19	06	15,1	1/2"	08	FB-06-08
	1/2"-14	08	18,3	1/2"	08	FB-08-08
	3/4"-14	12	23,8	1/2"	08	FB-12-08
	1/2"-14	08	18,3	5/8"	10	FB-08-10
	1/2"-14	08	18,3	3/4"	12	FB-08-12
	3/4"-14	12	23,8	5/8"	10	FB-12-10
	3/4"-14	12	23,8	3/4"	12	FB-12-12
	1"-11	16	30,2	5/8"	10	FB-16-10
	1"-11	16	30,2	3/4"	12	FB-16-12
	1"-11	16	30,2	1"	16	FB-16-16
	1.1/4"-11	20	38,9	1"	16	FB-20-16
	1.1/4"-11	20	38,9	1.1/4"	20	FB-20-20
	1.1/2"-11	24	45,2	1.1/2"	24	FB-24-24
	2"-11	32	56,4	2"	32	FB-32-32

DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FB45 FÊMEA GIRATÓRIA BSP 45 GRAUS	ROSCA	TRAÇO	D.l (mm)	POL	BITOLA	CÓDIGO
	1/8"-28	02	8,7	3/16"	03	FB45-02-03
	1/8"-28	02	8,7	1/4"	04	FB45-02-04
	1/4"-19	04	11,1	1/4"	04	FB45-04-04
	3/8"-19	06	15,1	1/4"	04	FB45-06-04
	3/8"-19	06	15,1	5/16"	05	FB45-04-06
	1/4"-19	04	11,1	3/8"	06	FB45-04-08
	1/4"-19	04	11,1	1/2"	08	FB45-06-06
	3/8"-19	06	15,1	3/8"	06	FB45-08-04
	1/2"-14	08	18,3	1/4"	04	FB45-08-06
	1/2"-14	08	18,3	3/8"	06	FB45-06-08
	3/8"-19	06	15,1	1/2"	08	FB45-08-08
	1/2"-14	08	18,3	1/2"	08	FB45-12-08
	3/4"-14	12	23,8	1/2"	08	FB45-08-10
	1/2"-14	08	18,3	5/8"	10	FB45-08-12
	1/2"-14	08	18,3	3/4"	12	FB45-12-10
	3/4"-14	12	23,8	5/8"	10	FB45-12-12
	3/4"-14	12	23,8	3/4"	12	FB45-16-10
	1"-11	16	30,2	5/8"	10	FB45-16-12
	1"-11	16	30,2	3/4"	12	FB45-16-16
	1"-11	16	30,2	1"	16	FB45-20-16
	1.1/4"-11	20	38,9	1"	16	FB45-20-20
	1.1/4"-11	20	38,9	1.1/4"	20	FB45-24-24
	1.1/2"-11	24	45,2	1.1/2"	24	FB45-32-32
	2"-11	32	56,4	2"	32	
DESCRIÇÃO	ROSCA			MANGUEIRA		
TERMINAL FB90 FÊMEA GIRATÓRIA BSP 90 GRAUS	ROSCA	TRAÇO	D.l (mm)	POL	BITOLA	CÓDIGO
	1/8"-28	02	8,7	3/16"	03	FB90-02-03
	1/8"-28	02	8,7	1/4"	04	FB90-02-04
	1/4"-19	04	11,1	1/4"	04	FB90-04-04
	3/8"-19	06	15,1	1/4"	04	FB90-06-04
	1/4"-19	04	11,1	5/16"	05	FB90-04-05
	3/8"-19	06	15,1	5/16"	05	FB90-06-05
	1/4"-19	04	11,1	3/8"	06	FB90-04-06
	1/4"-19	04	11,1	1/2"	08	FB90-04-08
	3/8"-19	06	15,1	3/8"	06	FB90-06-06
	1/2"-14	08	18,3	1/4"	04	FB90-08-04
	1/2"-14	08	18,3	3/8"	06	FB90-08-06
	3/8"-19	06	15,1	1/2"	08	FB90-06-08
	1/2"-14	08	18,3	1/2"	08	FB90-08-08
	3/4"-14	12	23,8	1/2"	08	FB90-12-08
	1/2"-14	08	18,3	5/8"	10	FB90-08-10
	1/2"-14	08	18,3	3/4"	12	FB90-08-12
	3/4"-14	12	23,8	5/8"	10	FB90-12-10
	3/4"-14	12	23,8	3/4"	12	FB90-12-12
	1"-11	16	30,2	5/8"	10	FB90-16-10
	1"-11	16	30,2	3/4"	12	FB90-16-12
	1"-11	16	30,2	1"	16	FB90-16-16
	1.1/4"-11	20	38,9	1"	16	FB90-20-16
	1.1/4"-11	20	38,9	1.1/4"	20	FB90-20-20
	1.1/2"-11	24	45,2	1.1/2"	24	FB90-24-24

DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL MM MACHO MÉTRICO SÉRIE LEVE "L" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M12 X 1,5	6	1/4"	04	MML-12-04
	M14 X 1,5	8	1/4"	04	MML-14-04
	M16 X 1,5	10	1/4"	04	MML-16-04
	M16 X 1,5	10	5/16"	05	MML-16-05
	M18 X 1,5	12	5/16"	05	MML-18-05
	M16 X 1,5	10	3/8"	06	MML-16-06
	M18 X 1,5	12	1/4"	04	MML-18-04
	M18 X 1,5	12	3/8"	06	MML-18-06
	M18 X 1,5	12	1/2"	08	MML-18-08
	M22 X 1,5	15	3/8"	06	MML-22-06
	M22 X 1,5	15	1/2"	08	MML-22-08
	M22 X 1,5	15	5/8"	10	MML-22-10
	M26 X 1,5	18	1/2"	08	MML-26-08
	M26 X 1,5	18	5/8"	10	MML-26-10
	M30 X 2,0	22	3/4"	12	MML-30-12
	M34 X 2,0	25	3/4"	12	MML-34-12
	M34 X 2,0	25	1"	16	MML-34-16
	M36 X 2,0	28	1"	16	MML-36-16
	M45 X 2,0	35	1.1/4"	20	MML-45-20
	M48 X 2,0	38	1.1/4"	20	MML-48-20
	M52 X 2,0	42	1.1/2"	24	MML-52-24
DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL MM MACHO MÉTRICO SÉRIE PESADA "S" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M14 X 1,5	6	1/4"	04	MMS-14-04
	M16 X 1,5	8	1/4"	04	MMS-16-04
	M18 X 1,5	10	1/4"	04	MMS-18-04
	M20 X 1,5	12	5/16"	05	MMS-20-05
	M18 X 1,5	10	3/8"	06	MMS-18-06
	M20 X 1,5	12	3/8"	06	MMS-20-06
	M22 X 1,5	14	3/8"	06	MMS-22-06
	M20 X 1,5	12	1/2"	08	MMS-20-08
	M22 X 1,5	14	1/2"	08	MMS-22-08
	M24 X 1,5	16	1/2"	08	MMS-24-08
	M28 X 1,5	19	5/8"	10	MMS-28-10
	M30 X 2,0	20	5/8"	10	MMS-30-10
	M30 X 2,0	20	3/4"	12	MMS-30-12
	M36 X 2,0	25	3/4"	12	MMS-36-12
	M36 X 2,0	25	1"	16	MMS-36-16
	M42 X 2,0	30	1"	16	MMS-42-16
	M52 X 2,0	38	1.1/4"	20	MMS-52-20
	M52 X 2,0	38	1.1/2"	24	MMS-52-24

DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL FAO FÊMEA GIRATÓRIA DKO SÉRIE LEVE "L" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M12 X 1,5	6	1/4"	04	FAOL-12-04
	M14 X 1,5	8	1/4"	04	FAOL -14-04
	M16 X 1,5	10	1/4"	04	FAOL -16-04
	M16 X 1,5	10	5/16"	05	FAOL -16-05
	M18 X 1,5	12	5/16"	05	FAOL -18-05
	M16 X 1,5	10	3/8"	06	FAOL -16-06
	M18 X 1,5	12	1/4"	04	FAOL -18-04
	M18 X 1,5	12	3/8"	06	FAOL -18-06
	M18 X 1,5	12	1/2"	08	FAOL -18-08
	M22 X 1,5	15	3/8"	06	FAOL -22-06
	M22 X 1,5	15	1/2"	08	FAOL -22-08
	M22 X 1,5	15	5/8"	10	FAOL -22-10
	M26 X 1,5	18	1/2"	08	FAOL -26-08
	M26 X 1,5	18	5/8"	10	FAOL -26-10
	M30 X 2,0	22	3/4"	12	FAOL -30-12
	M34 X 2,0	25	3/4"	12	FAOL -34-12
	M34 X 2,0	25	1"	16	FAOL -34-16
	M36 X 2,0	28	1"	16	FAOL -36-16
	M45 X 2,0	35	1.1/4"	20	FAOL -45-20
	M48 X 2,0	38	1.1/4"	20	FAOL -48-20
	M52 X 2,0	42	1.1/2"	24	FAOL -52-24
DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL FAO FÊMEA GIRATÓRIA DKO SÉRIE PESADA "S" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M14 X 1,5	6	1/4"	04	FAOS-14-04
	M16 X 1,5	8	1/4"	04	FAOS-16-04
	M18 X 1,5	10	1/4"	04	FAOS-18-04
	M20 X 1,5	12	5/16"	05	FAOS-20-05
	M18 X 1,5	10	3/8"	06	FAOS-18-06
	M20 X 1,5	12	3/8"	06	FAOS-20-06
	M22 X 1,5	14	3/8"	06	FAOS-22-06
	M20 X 1,5	12	1/2"	08	FAOS-20-08
	M22 X 1,5	14	1/2"	08	FAOS-22-08
	M24 X 1,5	16	1/2"	08	FAOS-24-08
	M28 X 1,5	19	5/8"	10	FAOS-28-10
	M30 X 2,0	20	5/8"	10	FAOS-30-10
	M30 X 2,0	20	3/4"	12	FAOS-30-12
	M36 X 2,0	25	3/4"	12	FAOS-36-12
	M36 X 2,0	25	1"	16	FAOS-36-16
	M42 X 2,0	30	1"	16	FAOS-42-16
	M52 X 2,0	38	1.1/4"	20	FAOS-52-20
	M52 X 2,0	38	1.1/2"	24	FAOS-52-24

DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL FAO 45 GRAUS FÊMEA GIRATÓRIA DKO 45 GRAUS SÉRIE LEVE "L" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M12 X 1,5	6	1/4"	04	FAOL45-12-04
	M14 X 1,5	8	1/4"	04	FAOL 45-14-04
	M16 X 1,5	10	1/4"	04	FAOL 45-16-04
	M16 X 1,5	10	5/16"	05	FAOL 45-16-05
	M18 X 1,5	12	5/16"	05	FAOL 45-18-05
	M16 X 1,5	10	3/8"	06	FAOL 45-16-06
	M18 X 1,5	12	1/4"	04	FAOL 45-18-04
	M18 X 1,5	12	3/8"	06	FAOL 45-18-06
	M18 X 1,5	12	1/2"	08	FAOL 45-18-08
	M22 X 1,5	15	3/8"	06	FAOL 45-22-06
	M22 X 1,5	15	1/2"	08	FAOL 45-22-08
	M22 X 1,5	15	5/8"	10	FAOL 45-22-10
	M26 X 1,5	18	1/2"	08	FAOL 45-26-08
	M26 X 1,5	18	5/8"	10	FAOL 45-26-10
	M30 X 2,0	22	3/4"	12	FAOL 45-30-12
	M34 X 2,0	25	3/4"	12	FAOL 45-34-12
	M34 X 2,0	25	1"	16	FAOL 45-34-16
	M36 X 2,0	28	1"	16	FAOL 45-36-16
	M45 X 2,0	35	1.1/4"	20	FAOL 45-45-20
	M48 X 2,0	38	1.1/4"	20	FAOL 45-48-20
	M52 X 2,0	42	1.1/2"	24	FAOL 45-52-24
DESCRIÇÃO	ROSCA	TUBO	MAANGUEIRA		
TERMINAL FAO 45 GRAUS FÊMEA GIRATÓRIA DKO 45 GRAUS SÉRIE PESADA "S" 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M14 X 1,5	6	1/4"	04	FAOS45-14-04
	M16 X 1,5	8	1/4"	04	FAOS45-16-04
	M18 X 1,5	10	1/4"	04	FAOS45-18-04
	M20 X 1,5	12	5/16"	05	FAOS45-20-05
	M18 X 1,5	10	3/8"	06	FAOS45-18-06
	M20 X 1,5	12	3/8"	06	FAOS45-20-06
	M22 X 1,5	14	3/8"	06	FAOS45-22-06
	M20 X 1,5	12	1/2"	08	FAOS45-20-08
	M22 X 1,5	14	1/2"	08	FAOS45-22-08
	M24 X 1,5	16	1/2"	08	FAOS45-24-08
	M28 X 1,5	19	5/8"	10	FAOS45-28-10
	M30 X 2,0	20	5/8"	10	FAOS45-30-10
	M30 X 2,0	20	3/4"	12	FAOS45-30-12
	M36 X 2,0	25	3/4"	12	FAOS45-36-12
	M36 X 2,0	25	1"	16	FAOS45-36-16
	M42 X 2,0	30	1"	16	FAOS45-42-16
	M52 X 2,0	38	1.1/4"	20	FAOS45-52-20
	M52 X 2,0	38	1.1/2"	24	FAOS45-52-24

DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL FAO 90 GRAUS FÊMEA GIRATÓRIA DKO 90 GRAUS 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M12 X 1,5	6	1/4"	04	FAOL90-12-04
	M14 X 1,5	8	1/4"	04	FAOL 90-14-04
	M16 X 1,5	10	1/4"	04	FAOL 90-16-04
	M16 X 1,5	10	5/16"	05	FAOL 90-16-05
	M18 X 1,5	12	5/16"	05	FAOL 90-18-05
	M16 X 1,5	10	3/8"	06	FAOL 90-16-06
	M18 X 1,5	12	1/4"	04	FAOL 90-18-04
	M18 X 1,5	12	3/8"	06	FAOL 90-18-06
	M18 X 1,5	12	1/2"	08	FAOL 90-18-08
	M22 X 1,5	15	3/8"	06	FAOL 90-22-06
	M22 X 1,5	15	1/2"	08	FAOL 90-22-08
	M22 X 1,5	15	5/8"	10	FAOL 90-22-10
	M26 X 1,5	18	1/2"	08	FAOL 90-26-08
	M26 X 1,5	18	5/8"	10	FAOL 90-26-10
	M30 X 2,0	22	3/4"	12	FAOL 90-30-12
	M34 X 2,0	25	3/4"	12	FAOL 90-34-12
	M34 X 2,0	25	1"	16	FAOL 90-34-16
	M36 X 2,0	28	1"	16	FAOL 90-36-16
	M45 X 2,0	35	1.1/4"	20	FAOL 90-45-20
	M48 X 2,0	38	1.1/4"	20	FAOL 90-48-20
	M52 X 2,0	42	1.1/2"	24	FAOL 90-52-24
DESCRIÇÃO	ROSCA	TUBO	MANGUEIRA		
TERMINAL FAO 90 GRAUS FÊMEA GIRATÓRIA DKO 90 GRAUS 	ROSCA	TUBO	POL	BITOLA	CÓDIGO
	M14 X 1,5	6	1/4"	04	FAOS90-14-04
	M16 X 1,5	8	1/4"	04	FAOS90-16-04
	M18 X 1,5	10	1/4"	04	FAOS90-18-04
	M20 X 1,5	12	5/16"	05	FAOS90-20-05
	M18 X 1,5	10	3/8"	06	FAOS90-18-06
	M20 X 1,5	12	3/8"	06	FAOS90-20-06
	M22 X 1,5	14	3/8"	06	FAOS90-22-06
	M20 X 1,5	12	1/2"	08	FAOS90-20-08
	M22 X 1,5	14	1/2"	08	FAOS90-22-08
	M24 X 1,5	16	1/2"	08	FAOS90-24-08
	M28 X 1,5	19	5/8"	10	FAOS90-28-10
	M30 X 2,0	20	5/8"	10	FAOS90-30-10
	M30 X 2,0	20	3/4"	12	FAOS90-30-12
	M36 X 2,0	25	3/4"	12	FAOS90-36-12
	M36 X 2,0	25	1"	16	FAOS90-36-16
	M42 X 2,0	30	1"	16	FAOS90-42-16
	M52 X 2,0	38	1.1/4"	20	FAOS90-52-20
	M52 X 2,0	38	1.1/2"	24	FAOS90-52-24

DESCRIÇÃO	TUBO	MANGUEIRA		
TERMINAL PL PONTA LISA	TUBO	POL	BITOLA	CÓDIGO
	4	3/16"	03	PL-04-03
	6	3/16"	03	PL-06-03
	8	3/16"	03	PL-08-03
	6	1/4"	04	PL-06-04
	8	1/4"	04	PL-08-04
	10	1/4"	04	PL-10-04
	10	5/16"	05	PL-10-05
	10	3/8"	06	PL-10-06
	12	1/4"	04	PL-12-04
	12	5/16"	05	PL-12-05
	12	3/8"	06	PL-12-06
	12	1/2"	08	PL-12-08
	14	3/8"	06	PL-14-06
	14	1/2"	08	PL-14-08
	15	3/8"	06	PL-15-06
	15	1/2"	08	PL-15-08
	16	1/2"	08	PL-16-08
	16	5/8"	10	PL-16-10
	18	1/2"	08	PL-18-08
	18	5/8"	10	PL-18-10
	18	3/4"	12	PL-18-12
	19	5/8"	10	PL-19-10
	20	5/8"	10	PL-20-10
	20	3/4"	12	PL-20-12
	22	5/8"	10	PL-22-10
	22	3/4"	12	PL-22-12
	25	3/4"	12	PL-25-12
	25	1"	16	PL-25-16
	28	1"	16	PL-28-16
	30	1"	16	PL-30-16
	30	1.1/4"	20	PL-30-20
	35	1.1/4"	20	PL-35-20
	38	1"	16	PL-38-16
	38	1.1/4"	20	PL-38-20
	38	1.1/2"	24	PL-38-24
	42	1.1/4"	20	PL-42-20
	42	1.1/2"	24	PL-42-24

DESCRIÇÃO	TUBO	MANGUEIRA		
CTERMINAL PL45		POL	BITOLA	CÓDIGO
PONTA LISA 45 GRAUS	4	3/16"	03	PL45-04-03
	6	3/16"	03	PL45-06-03
	8	3/16"	03	PL45-08-03
	6	1/4"	04	PL45-06-04
	8	1/4"	04	PL45-08-04
	10	1/4"	04	PL45-10-04
	10	5/16"	05	PL45-10-05
	10	3/8"	06	PL45-10-06
	12	1/4"	04	PL45-12-04
	12	5/16"	05	PL45-12-05
	12	3/8"	06	PL45-12-06
	12	1/2"	08	PL45-12-08
	14	3/8"	06	PL45-14-06
	14	1/2"	08	PL45-14-08
	15	3/8"	06	PL45-15-06
	15	1/2"	08	PL45-15-08
	16	1/2"	08	PL45-16-08
	16	5/8"	10	PL45-16-10
	18	1/2"	08	PL45-18-08
	18	5/8"	10	PL45-18-10
	18	3/4"	12	PL45-18-12
	19	5/8"	10	PL45-19-10
	20	5/8"	10	PL45-20-10
	20	3/4"	12	PL45-20-12
	22	5/8"	10	PL45-22-10
	22	3/4"	12	PL45-22-12
	25	3/4"	12	PL45-25-12
	25	1"	16	PL45-25-16
	28	1"	16	PL45-28-16
	30	1"	16	PL45-30-16
	30	1.1/4"	20	PL45-30-20
	35	1.1/4"	20	PL45-35-20
	38	1"	16	PL45-38-16
	38	1.1/4"	20	PL45-38-20
	38	1.1/2"	24	PL45-38-24
	42	1.1/4"	20	PL45-42-20
	42	1.1/2"	24	PL45-42-24

DESCRIÇÃO	TUBO	MANGUEIRA		
TERMINAL PL90	TUBO	POL	BITOLA	CÓDIGO
PONTA LISA 90 GRAUS	4	3/16"	03	PL90-04-03
	6	3/16"	03	PL90-06-03
	8	3/16"	03	PL90-08-03
	6	1/4"	04	PL90-06-04
	8	1/4"	04	PL90-08-04
	10	1/4"	04	PL90-10-04
	10	5/16"	05	PL90-10-05
	10	3/8"	06	PL90-10-06
	12	1/4"	04	PL90-12-04
	12	5/16"	05	PL90-12-05
	12	3/8"	06	PL90-12-06
	12	1/2"	08	PL90-12-08
	14	3/8"	06	PL90-14-06
	14	1/2"	08	PL90-14-08
	15	3/8"	06	PL90-15-06
	15	1/2"	08	PL90-15-08
	16	1/2"	08	PL90-16-08
	16	5/8"	10	PL90-16-10
	18	1/2"	08	PL90-18-08
	18	5/8"	10	PL90-18-10
	18	3/4"	12	PL90-18-12
	19	5/8"	10	PL90-19-10
	20	5/8"	10	PL90-20-10
	20	3/4"	12	PL90-20-12
	22	5/8"	10	PL90-22-10
	22	3/4"	12	PL90-22-12
	25	3/4"	12	PL90-25-12
	25	1"	16	PL90-25-16
	28	1"	16	PL90-28-16
	30	1"	16	PL90-30-16
	30	1.1/4"	20	PL90-30-20
	35	1.1/4"	20	PL90-35-20
	38	1"	16	PL90-38-16
	38	1.1/4"	20	PL90-38-20
	38	1.1/2"	24	PL90-38-24
	42	1.1/4"	20	PL90-42-20
	42	1.1/2"	24	PL90-42-24

DESCRIÇÃO	ROSCA		MANGUEIRA		
TERMINAL MO MACHO OFRS 	ROSCA	TRAÇO	POL	BITOLA	CÓDIGO
	9/16" X 18	04	1/4"	04	MO-04-04
	11/16" X 16	06	1/4"	04	MO-06-04
	11/16" X 16	06	3/8"	06	MO-06-06
	13/16" X 16	08	3/8"	06	MO-08-06
	13/16" X 16	08	1/2"	08	MO-08-08
	1" X 14	10	1/2"	08	MO-10-08
	1" X 14	10	5/8"	10	MO-10-10
	1.3/16" X 12	12	5/8"	10	MO-12-10
	1.3/16" X 12	12	3/4"	12	MO-12-12
	1.7/16" X 12	16	3/4"	12	MO-16-12
	1.7/16" X 12	16	1"	16	MO-16-16
	1.11/16" X 12	20	1.1/4"	20	MO-20-20
	2" X 12	24	1.1/2"	24	MO-24-24
DESCRIÇÃO	ROSCA		MANGUEIRA		
TERMINAL SP FÊMEA SEDE PLANA OFRS 	ROSCA	TRAÇO	POL	BITOLA	CÓDIGO
	9/16" X 18	04	1/4"	04	SP-04-04
	11/16" X 16	06	1/4"	04	SP-06-04
	11/16" X 16	06	3/8"	06	SP-06-06
	13/16" X 16	08	3/8"	06	SP-08-06
	13/16" X 16	08	1/2"	08	SP-08-08
	1" X 14	10	1/2"	08	SP-10-08
	1" X 14	10	5/8"	10	SP-10-10
	1.3/16" X 12	12	5/8"	10	SP-12-10
	1.3/16" X 12	12	3/4"	12	SP-12-12
	1.7/16" X 12	16	3/4"	12	SP-16-12
	1.7/16" X 12	16	1"	16	SP-16-16
	1.11/16" X 12	20	1.1/4"	20	SP-20-20
	2" X 12	24	1.1/2"	24	SP-24-24
DESCRIÇÃO	ROSCA		MANGUEIRA		
TERMINAL SP45 FÊMEA SEDE PLANA OFRS 45 GRAUS 	ROSCA	TRAÇO	POL	BITOLA	CÓDIGO
	9/16" X 18	04	1/4"	04	SP45-04-04
	11/16" X 16	06	1/4"	04	SP45-06-04
	11/16" X 16	06	3/8"	06	SP45-06-06
	13/16" X 16	08	3/8"	06	SP45-08-06
	13/16" X 16	08	1/2"	08	SP45-08-08
	1" X 14	10	1/2"	08	SP45-10-08
	1" X 14	10	5/8"	10	SP45-10-10
	1.3/16" X 12	12	5/8"	10	SP45-12-10
	1.3/16" X 12	12	3/4"	12	SP45-12-12
	1.7/16" X 12	16	3/4"	12	SP45-16-12
	1.7/16" X 12	16	1"	16	SP45-16-16
	1.11/16" X 12	20	1.1/4"	20	SP45-20-20
	2" X 12	24	1.1/2"	24	SP45-24-24

DESCRIÇÃO	ROSCA		MANGUEIRA		
TERMINAL SP90 FÊMEA SEDE PLANA 90 GRAUS OFRS 	ROSCA	TRAÇO	POL	BITOLA	CÓDIGO
	9/16" X 18	04	1/4"	04	SP45-04-04
	11/16" X 16	06	1/4"	04	SP45-06-04
	11/16" X 16	06	3/8"	06	SP45-06-06
	13/16" X 16	08	3/8"	06	SP45-08-06
	13/16" X 16	08	1/2"	08	SP45-08-08
	1" X 14	10	1/2"	08	SP45-10-08
	1" X 14	10	5/8"	10	SP45-10-10
	1.3/16" X 12	12	5/8"	10	SP45-12-10
	1.3/16" X 12	12	3/4"	12	SP45-12-12
	1.7/16" X 12	16	3/4"	12	SP45-16-12
	1.7/16" X 12	16	1"	16	SP45-16-16
	1.11/16" X 12	20	1.1/4"	20	SP45-20-20
	2" X 12	24	1.1/2"	24	SP45-24-24
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL FLANGE CÓDIGO 61 3000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	30,2	1/2"	08	FL3 08-08
	3/4"	38,1	1/2"	08	FL3-12-08
	3/4"	38,1	5/8"	10	FL3-12-10
	3/4"	38,1	3/4"	12	FL3-12-12
	3/4"	38,1	1"	16	FL3-12-16
	1"	44,4	3/4"	12	FL3-16-12
	1"	44,4	1"	16	FL3-16-16
	1"	44,4	1.1/4"	20	FL3-16-20
	1.1/4"	50,8	1"	16	FL3-20-16
	1.1/4"	50,8	1.1/4"	20	FL3-20-20
	1.1/2"	60,3	1"	16	FL3-24-16
	1.1/2"	60,3	1.1/4"	20	FL3-24-20
	1.1/2"	60,3	1.1/2"	24	FL3-24-24
	2"	71,4	1.1/2"	24	FL3-32-24
	2"	71,4	2"	32	FL3-32-32
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 45 GRAUS FLANGE 45 GRAUS CÓDIGO 61 3000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	30,2	1/2"	08	FL45-3 08-08
	3/4"	38,1	1/2"	08	FL45-3-12-08
	3/4"	38,1	5/8"	10	FL45-3-12-10
	3/4"	38,1	3/4"	12	FL45-3-12-12
	3/4"	38,1	1"	16	FL45-3-12-16
	1"	44,4	3/4"	12	FL45-3-16-12
	1"	44,4	1"	16	FL45-3-16-16
	1"	44,4	1.1/4"	20	FL45-3-16-20
	1.1/4"	50,8	1"	16	FL45-3-20-16
	1.1/4"	50,8	1.1/4"	20	FL45-3-20-20
	1.1/2"	60,3	1"	16	FL45-3-24-16
	1.1/2"	60,3	1.1/4"	20	FL45-3-24-20
	1.1/2"	60,3	1.1/2"	24	FL45-3-24-24
	2"	71,4	1.1/2"	24	FL45-3-32-24
	2"	71,4	2"	32	FL45-3-32-32

DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 90 GRAUS FLANGE 90 GRAUS CÓDIGO 61 3000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	30,2	1/2"	08	FL90-3 08-08
	3/4"	38,1	1/2"	08	FL90-3-12-08
	3/4"	38,1	5/8"	10	FL90-3-12-10
	3/4"	38,1	3/4"	12	FL90-3-12-12
	3/4"	38,1	1"	16	FL90-3-12-16
	1"	44,4	3/4"	12	FL90-3-16-12
	1"	44,4	1"	16	FL90-3-16-16
	1"	44,4	1.1/4"	20	FL90-3-16-20
	1.1/4"	50,8	1"	16	FL90-3-20-16
	1.1/4"	50,8	1.1/4"	20	FL90-3-20-20
	1.1/2"	60,3	1"	16	FL90-3-24-16
	1.1/2"	60,3	1.1/4"	20	FL90-3-24-20
	1.1/2"	60,3	1.1/2"	24	FL90-3-24-24
	2"	71,4	1.1/2"	24	FL90-3-32-24
	2"	71,4	2"	32	FL90-3-32-32
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL FLANGE CÓDIGO 62 6000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	31,7	1/2"	08	FL6 08-08
	3/4"	41,3	1/2"	08	FL6-12-08
	3/4"	41,3	5/8"	10	FL6-12-10
	3/4"	41,3	3/4"	12	FL6-12-12
	3/4"	41,3	1"	16	FL6-12-16
	1"	47,6	3/4"	12	FL6-16-12
	1"	47,6	1"	16	FL6-16-16
	1"	47,6	1.1/4"	20	FL6-16-20
	1.1/4"	54,0	1"	16	FL6-20-16
	1.1/4"	54,0	1.1/4"	20	FL6-20-20
	1.1/2"	63,5	1"	16	FL6-24-16
	1.1/2"	63,5	1.1/4"	20	FL6-24-20
	1.1/2"	63,5	1.1/2"	24	FL6-24-24
	2"	79,4	1.1/2"	24	FL6-32-24
	2"	79,4	2"	32	FL6-32-32
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 45 GRAUS FLANGE 45 GRAUS CÓDIGO 62 6000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	31,7	1/2"	08	FL45-6 08-08
	3/4"	41,3	1/2"	08	FL45-6-12-08
	3/4"	41,3	5/8"	10	FL45-6-12-10
	3/4"	41,3	3/4"	12	FL45-6-12-12
	3/4"	41,3	1"	16	FL45-6-12-16
	1"	47,6	3/4"	12	FL45-6-16-12
	1"	47,6	1"	16	FL45-6-16-16
	1"	47,6	1.1/4"	20	FL45-6-16-20
	1.1/4"	54,0	1"	16	FL45-6-20-16
	1.1/4"	54,0	1.1/4"	20	FL45-6-20-20
	1.1/2"	63,5	1"	16	FL45-6-24-16
	1.1/2"	63,5	1.1/4"	20	FL45-6-24-20
	1.1/2"	63,5	1.1/2"	24	FL45-6-24-24
	2"	79,4	1.1/2"	24	FL45-6-32-24
	2"	79,4	2"	32	FL45-6-32-32

DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 90 GRAUS FLANGE 90 GRAUS CÓDIGO 61 3000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	1/2"	31,7	1/2"	08	FL90-6 08-08
	3/4"	41,3	1/2"	08	FL90-6-12-08
	3/4"	41,3	5/8"	10	FL90-6-12-10
	3/4"	41,3	3/4"	12	FL90-6-12-12
	3/4"	41,3	1"	16	FL90-6-12-16
	1"	47,6	3/4"	12	FL90-6-16-12
	1"	47,6	1"	16	FL90-6-16-16
	1"	47,6	1.1/4"	20	FL90-6-16-20
	1.1/4"	54,0	1"	16	FL90-6-20-16
	1.1/4"	54,0	1.1/4"	20	FL90-6-20-20
	1.1/2"	63,5	1"	16	FL90-6-24-16
	1.1/2"	63,5	1.1/4"	20	FL90-6-24-20
	1.1/2"	63,5	1.1/2"	24	FL90-6-24-24
	2"	79,4	1.1/2"	24	FL90-6-32-24
	2"	79,4	2"	32	FL90-6-32-32
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL FLANGE CÓDIGO 63 9000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	3/4"	41,5	3/4"	12	FL9-12-12
	1"	47,7	1"	16	FL9-16-12
	1"	47,7	1"	16	FL9-16-16
	1.1/4"	54,0	1.1/4"	20	FL9-20-16
	1.1/4"	54,0	1.1/4"	20	FL9-20-20
	1.1/2"	63,6	1.1/2"	24	FL9-24-24
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 45 GRAUS FLANGE 45 GRAUS CÓDIGO 63 9000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	3/4"	41,5	3/4"	12	FL45-9-12-12
	1"	47,7	1"	16	FL45-9-16-12
	1"	47,7	1"	16	FL45-9-16-16
	1.1/4"	54,0	1.1/4"	20	FL45-9-20-16
	1.1/4"	54,0	1.1/4"	20	FL45-9-20-20
	1.1/2"	63,6	1.1/2"	24	FL45-9-24-24
DESCRIÇÃO	FLANGE		MANGUEIRA		
TERMINAL FL 90 GRAUS FLANGE 90 GRAUS CÓDIGO 63 9000 PSI 	FLANGE	D.E (mm)	POL	BITOLA	CÓDIGO
	3/4"	41,5	3/4"	12	FL90-9-12-12
	1"	47,7	1"	16	FL90-9-16-12
	1"	47,7	1"	16	FL90-9-16-16
	1.1/4"	54,0	1.1/4"	20	FL90-9-20-16
	1.1/4"	54,0	1.1/4"	20	FL90-9-20-20
	1.1/2"	63,6	1.1/2"	24	FL90-9-24-24
FLANGE BIPARTIDO 	POL		DN		TRAÇO
	1/2"		12		08
	3/4"		19		12
	1"		25		16
	1.1/4"		31		20
	1.1/2"		38		24
	2"		51		32
	2.1/2"		63		40

DESCRIÇÃO	OLHAL	MANGUEIRA		
TERMINAL OL	OLHAL (mm)	POL	BILTOLA	CÓDIGO
OLHAL	M10	3/16"	03	OL-10-03
	M10	1/4"	04	OL-10-04
	M12	1/4"	04	OL-12-04
	M12	3/8"	06	OL-12-06
	M14	1/4"	04	OL-14-04
	M14	5/16"	05	OL-14-05
	M14	3/8"	06	OL-14-06
	M16	3/8"	06	OL-16-06
	M16	1/2"	08	OL-16-08
	M18	3/8"	06	OL-18-06
	M18	1/2"	08	OL-18-08
	M19	3/8"	06	OL-19-06
	M21	3/8"	06	OL-21-06
	M22	1/2"	08	OL-22-08
	M22	5/8"	10	OL-22-10
	M26	3/4"	12	OL-26-12