

ADAPTADORES HIDRÁULICOS

HYDRAULIC
ADAPTORS



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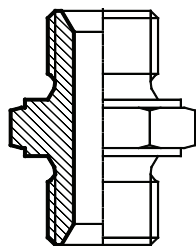
ADAPTADORES HIDRÁULICOS	PAG.	HYDRAULIC ADAPTORS
ADAPTADORES BSP	85 96	BSP ADAPTORS
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ADAPTADORES ORFS	113 128	ORFS ADAPTORS
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BSP • BSP



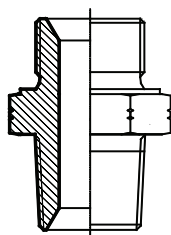
BSP SV 60° • BSP SV 60°

**UNIÃO
MACHO BSP - MACHO
BSP**
ADAPTOR
MALE BSPP - MALE BSPP



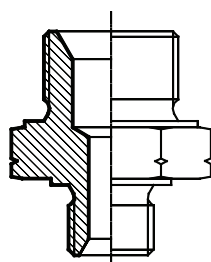
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KBGD10.0404	1/4"	1/4"
KBGD10.0606	3/8"	3/8"
KBGD10.0808	1/2"	1/2"
KBGD10.1010	5/8"	5/8"
KBGD10.1212	3/4"	3/4"
KBGD10.1616	1"	1"
KBGD10.2020	1.1/4"	1.1/4"
KBGD10.2424	1.1/2"	1.1/2"
KBGD10.3232	2"	2"

**UNIÃO
MACHO BSPP - MACHO
NPT**
ADAPTOR MALE
BSPP - MALE NPT



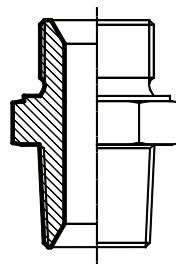
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KBGD20.0808	1/2"	1/2"
KBGD20.1212	3/4"	3/4"
KBGD20.1616	1"	1"
KBGD20.2020	1.1/4"	1.1/4"
KBGD20.2424	1.1/2"	1.1/2"
KBGD20.3232	2"	2"

**REDUÇÃO MACHO BSP -
MACHO BSP**
REDUCING MALE BSPP
ADAPTOR



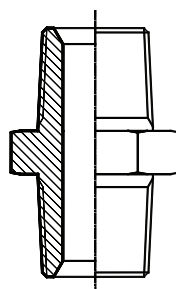
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KBGD10.0408	1/2"	1/4"
KBGD10.0608	1/2"	3/8"
KBGD10.0610	5/8"	3/8"
KBGD10.0810	5/8"	1/2"
KBGD10.0412	3/4"	1/4"
KBGD10.0612	3/4"	3/8"
KBGD10.0812	3/4"	1/2"
KBGD10.1012	3/4"	5/8"
KBGD10.0616	1"	3/8"
KBGD10.0816	1"	1/2"
KBGD10.1016	1"	5/8"
KBGD10.1216	1"	3/4"
KBGD10.0820	1.1/4"	1/2"
KBGD10.1220	1.1/4"	3/4"
KBGD10.1620	1.1/4"	1"
KBGD10.1224	1.1/2"	3/4"
KBGD10.1624	1.1/2"	1"
KBGD10.2024	1.1/2"	1.1/4"
KBGD10.1632	2"	1"
KBGD10.2032	2"	1.1/4"
KBGD10.2432	2"	1.1/2"

**UNIÃO
MACHO BSP - MACHO
BSPT**
ADAPTOR
MALE BSPP - MALE BSPT

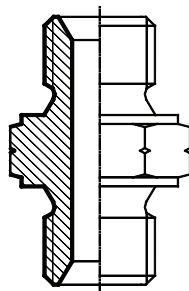


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGD13.0408	1/4"	1/2"
KBGD13.0606	3/8"	3/8"
KBGD13.0608	3/8"	1/2"
KBGD13.0808	1/2"	1/2"
KBGD13.1212	3/4"	3/4"
KBGD13.1616	1"	1"
KBGD13.2020	1.1/4"	1.1/4"
KBGD13.2424	1.1/2"	1.1/2"
KBGD13.0402	1/4"	1/8"
KBGD13.0602	3/8"	1/8"
KBGD13.0604	3/8"	1/4"
KBGD13.0804	1/2"	1/4"
KBGD13.0806	1/2"	3/8"
KBGD13.1006	5/8"	3/8"
KBGD13.1008	5/8"	1/2"
KBGD13.1204	3/4"	1/4"
KBGD13.1206	3/4"	3/8"
KBGD13.1208	3/4"	1/2"
KBGD13.1210	3/4"	5/8"
KBGD13.1606	1"	3/8"
KBGD13.1608	1"	1/2"
KBGD13.1610	1"	5/8"
KBGD13.1612	1"	3/4"

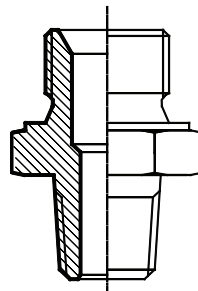
**UNIÃO
MACHO BSPT - MACHO
BSPT**
ADAPTOR MALE BSPT -
MALE BSPT



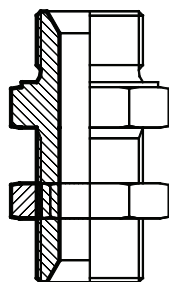
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KBGD18.0606	3/8"	3/8"
KBGD18.0808	1/2"	1/2"
KBGD18.1212	3/4"	3/4"
KBGD18.1616	1"	1"
KBGD18.2020	1.1/4"	1.1/4"
KBGD18.2424	1.1/2"	1.1/2"
KBGD18.3232	2"	2"

UNIÃO MACHO MÉTRICA
 METRIC MALE ADAPTOR


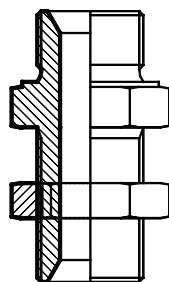
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KBGD19.1010	10X1	10X1
KBGD19.1212	12X1.5	12X1.5
KBGD19.1414	14X1.5	14X1.5
KBGD19.1616	16X1.5	16X1.5
KBGD19.1818	18X1.5	18X1.5
KBGD19.2020	20X1.5	20X1.5
KBGD19.2222	22X1.5	22X1.5
KBGD19.2424	24X1.5	24X1.5
KBGD19.2626	26X1.5	26X1.5
KBGD19.2828	28X1.5	28X1.5
KBGD19.3030	30X1.5	30X1.5

**REDUÇÃO MACHO BSPP -
MACHO MÉTRICO**
 REDUCING ADAPTOR
 MALE BSPP - METRIC MALE


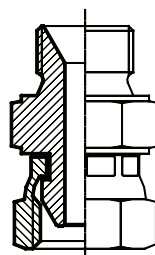
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD11.0210	1/8"	10X1
KBGD11.0212	1/8"	12X1.5
KBGD11.0410	1/4"	10X1
KBGD11.0412	1/4"	12X1.5
KBGD11.0414	1/4"	14X1.5
KBGD11.0416	1/4"	16X1.5
KBGD11.0418	1/4"	18X1.5
KBGD11.0422	1/4"	22X1.5
KBGD11.0612	3/8"	12X1.5
KBGD11.0614	3/8"	14X1.5
KBGD11.0616	3/8"	16X1.5
KBGD11.0618	3/8"	18X1.5
KBGD11.0620	3/8"	20X1.5
KBGD11.0622	3/8"	22X1.5
KBGD11.0812	1/2"	12X1.5
KBGD11.0814	1/2"	14X1.5
KBGD11.0816	1/2"	16X1.5
KBGD11.0818	1/2"	18X1.5
KBGD11.0820	1/2"	20X1.5
KBGD11.0822	1/2"	22X1.5
KBGD11.0824	1/2"	24X1.5
KBGD11.0826	1/2"	26X1.5
KBGD11.1018	5/8"	18X1.5
KBGD11.1020	5/8"	20X1.5
KBGD11.1022	5/8"	22X1.5
KBGD11.1218	3/4"	18X1.5
KBGD11.1220	3/4"	20X1.5
KBGD11.1222	3/4"	22X1.5
KBGD11.1226	3/4"	26X1.5
KBGD11.1230	3/4"	30X1.5
KBGD11.1622	1"	22X1.5

**UNIÃO PASSA PAREDE
BSPP**
 STRIGHT BULKHEAD
 ADAPTOR BSPP


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD16.0404	1/4"	1/4"
KBGD16.0606	3/8"	3/8"
KBGD16.0808	1/2"	1/2"
KBGD16.1212	3/4"	3/4"
KBGD16.1616	1"	1"
KBGD16.2020	1.1/4"	1.1/4"
KBGD16.2424	1.1/2"	1.1/2"
KBGD16.3232	2"	2"

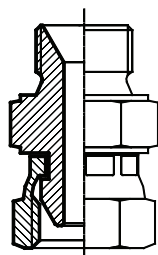
**UNIÃO PASSA PAREDE
MÉTRICA**
 METRIC STRAIGHT
 BULKHEAD ADAPTOR


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD21.1414	14X1.5	14X1.5
KBGD21.1616	16X1.5	16X1.5
KBGD21.1818	18X1.5	18X1.5
KBGD21.2222	22X1.5	22X1.5

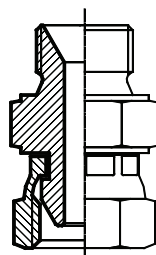
**UNIÃO MACHO BSP -
FÊMEA BSP**
 METRIC STRAIGHT
 BULKHEAD ADAPTOR


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD12.0202	1/8"	1/8"
KBGD12.0404	1/4"	1/4"
KBGD12.0606	3/8"	3/8"
KBGD12.0808	1/2"	1/2"
KBGD12.1010	5/8"	5/8"
KBGD12.1212	3/4"	3/4"
KBGD12.1616	1"	1"
KBGD12.2020	1.1/4"	1.1/4"
KBGD12.2424	1.1/2"	1.1/2"
KBGD12.3232*	2"	2"

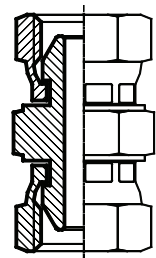
BSP SV 60° • BSP SV 60°

**REDUÇÃO MACHO BSP -
FÊMEA BSP**
METRIC STRAIGHT
BULKHEAD ADAPTOR

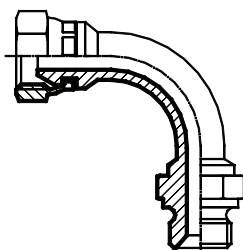
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGD12.0406	1/4"	3/8"
KBGD12.0408	1/4"	1/2"
KBGD12.0604	3/8"	1/4"
KBGD12.0608	3/8"	1/2"
KBGD12.0612	3/8"	3/4"
KBGD12.0804	1/2"	1/4"
KBGD12.0806	1/2"	3/8"
KBGD12.0812	1/2"	3/4"
KBGD12.1206	3/4"	3/8"
KBGD12.1208	3/4"	1/2"
KBGD12.1216	3/4"	1"
KBGD12.1612	1"	3/4"
KBGD12.1620	1"	1.1/4"
KBGD12.2016	1.1/4"	1"
KBGD12.2024	1.1/4"	1.1/2"
KBGD12.2420	1.1/2"	1.1/4"
KBGD12.2432*	1.1/2"	2"
KBGD12.3224	2"	1.1/2"

**UNIÃO MACHO - FÊMEA
MÉTRICA**
ADAPTOR MALE METRIC
METRIC SWIVEL FEMALE

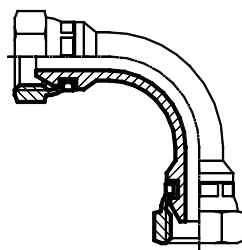
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KBGD22.1414	14X1.5	14X1.5
KBGD22.1616	16X1.5	16X1.5
KBGD22.1818	18X1.5	18X1.5
KBGD22.2020	20X1.5	20X1.5
KBGD22.2222	22X1.5	22X1.5
KBGD22.2424	24X1.5	24X1.5
KBGD22.2626	26X1.5	26X1.5
KBGD22.3030	30X1.5	30X1.5

**UNIÃO FÊMEA BSPP
GIRATÓRIA**
ADAPTOR BSPP
SWIVEL FEMALE

CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD23.0202	10X1	10X1
KBGD23.0404	12X1.5	12X1.5
KBGD23.0606	14X1.5	14X1.5
KBGD23.0808	16X1.5	16X1.5
KBGD23.1010	18X1.5	18X1.5
KBGD23.1212	20X1.5	20X1.5
KBGD23.1616	22X1.5	22X1.5
KBGD23.2020	24X1.5	24X1.5
KBGD23.2424	26X1.5	26X1.5

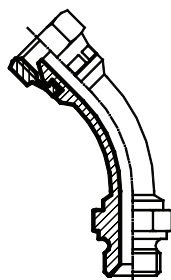
CURVA 90° FÊMEA BSP
90° ADAPTOR MALE BSP
SWIVEL FEMALE BSP

CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGN40.0404	1/4"	1/4"
KBGN40.0606	3/8"	3/8"
KBGN40.0808	1/2"	1/2"
KBGN40.1010	5/8"	5/8"
KBGN40.1212	3/4"	3/4"
KBGN40.1616	1"	1"
KBGN40.2020*	1.1/4"	1.1/4"
KBGN40.2424*	1.1/2"	1.1/2"
KBGN40.3232*	2"	2"

CURVA 90° FÊMEA BSP
90° ADAPTOR FEMALE
BSP SWIVEL FEMALE BSP

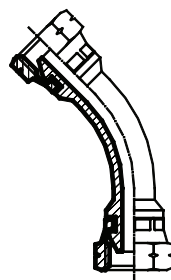
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGN42.0404	1/4"	1/4"
KBGN42.0606	3/8"	3/8"
KBGN42.0808	1/2"	1/2"
KBGN42.1010	5/8"	5/8"
KBGN42.1212	3/4"	3/4"
KBGN42.1616	1"	1"
KBGN42.2020*	1.1/4"	1.1/4"
KBGN42.2424*	1.1/2"	1.1/2"
KBGN42.3232*	2"	2"

**CURVA 45° MACHO
FÊMEA BSP**
45° ADAPTOR MALE BSP
SWIVEL FEMALE BSP



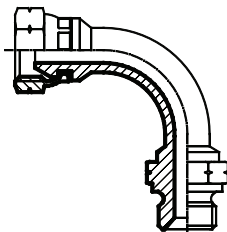
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGQ20.0404	1/4"	1/4"
KBGQ20.0606	3/8"	3/8"
KBGQ20.0808	1/2"	1/2"
KBGQ20.1010	5/8"	5/8"
KBGQ20.1212	3/4"	3/4"
KBGQ20.1616	1"	1"
KBGQ20.2020*	1.1/4"	1.1/4"
KBGQ20.2424*	1.1/2"	1.1/2"
KBGQ20.3232*	2"	2"

CURVA 45° FÊMEA BSP
45° ADAPTOR FEMALE
BSP SWIVEL FEMALE BSP



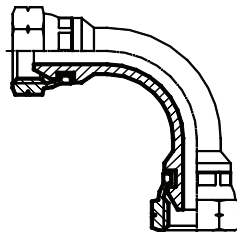
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGQ22.0202	1/8"	1/8"
KBGQ22.0404	1/4"	1/4"
KBGQ22.0606	3/8"	3/8"
KBGQ22.0808	1/2"	1/2"
KBGQ22.1010	5/8"	5/8"
KBGQ22.1212	3/4"	3/4"
KBGQ22.1616	1"	1"
KBGQ22.2020*	1.1/4"	1.1/4"
KBGQ22.2424*	1.1/2"	1.1/2"
KBGQ22.3232*	2"	2"

**CURVA 90° MACHO
FÊMEA MÉTRICA**
90° ADAPTOR METRIC
MALE METRIC SWIVEL
FEMALE



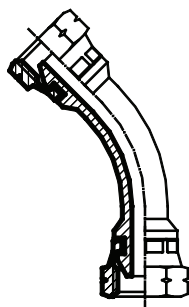
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGN44.1212	12x1.5	12x1.5
KBGN44.1414	14x1.5	14x1.5
KBGN44.1616	16x1.5	16x1.5
KBGN44.1818	18x1.5	18x1.5
KBGN44.2020	20x1.5	20x1.5
KBGN44.2222	22x1.5	22x1.5
KBGN44.2424	24x1.5	24x1.5
KBGN44.2626	26x1.5	26x1.5

**CURVA 90° FÊMEA
FÊMEA MÉTRICA**
90° ADAPTOR METRIC
FEMALE METRIC SWIVEL
FEMALE



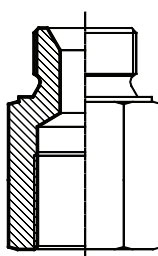
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN46.1010	10X1	10X1
KBGN46.1212	12x1.5	12x1.5
KBGN46.1414	14x1.5	14x1.5
KBGN46.1616	16x1.5	16x1.5
KBGN46.1818	18x1.5	18x1.5
KBGN46.2020	20x1.5	20x1.5
KBGN46.2222	22x1.5	22x1.5
KBGN46.2424	24x1.5	24x1.5
KBGN46.2626	26x1.5	26x1.5

**CURVA 45° FÊMEA
MÉTRICA**
45° ADAPTOR METRIC
SWIVEL FEMALE



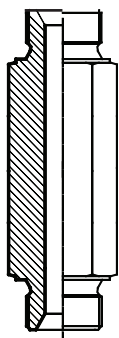
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBGD24.1212	12X1.5	12X1.5
KBGD24.1414	14X1.5	14X1.5
KBGD24.1616	16X1.5	16X1.5
KBGD24.1818	18X1.5	18X1.5
KBGD24.2020	20X1.5	20X1.5
KBGD24.2222	22X1.5	22X1.5
KBGD24.2424	24X1.5	24X1.5
KBGD24.2626	26X1.5	26X1.5

**PROLONGAMENTO
MACHO FÊMEA BSP**
ADAPTOR MALE BSP
FIXED FEMALE BSP

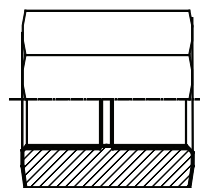


CÓDIGO CODE	ROSCA THREAD	COMPRIMENTO LENGTH
KBGD15.0230.5	1/8"	30.5
KBGD15.0433	1/4"	33
KBGD15.0442	1/4"	42
KBGD15.0450	1/4"	50
KBGD15.0455	1/4"	55
KBGD15.0635	3/8"	35
KBGD15.0642	3/8"	42
KBGD15.0654	3/8"	54
KBGD15.0840	1/2"	40
KBGD15.0845	1/2"	45
KBGD15.0850	1/2"	50
KBGD15.0860	1/2"	60
KBGD15.1248	3/4"	48
KBGD15.1257	3/4"	57
KBGD15.1267	3/4"	67
KBGD15.1272	3/4"	72
KBGD15.1654	1"	54
KBGD15.1660	1"	60
KBGD15.1680	1"	80
KBGD15.2062	1.1/4"	62
KBGD15.2092	1.1/4"	92
KBGD15.2465	1.1/2"	65
KBGD15.2495	1.1/2"	95
KBGD15.3257	2"	57
KBGD15.3262	2"	62

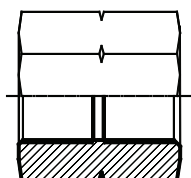
BSP SV 60° • BSP SV 60°

UNIÃO MACHO BSPP
ADAPTOR MALE BSPP

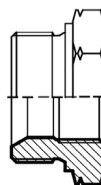
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD50.0404	1/4"	1/4"
KBGD50.0606	3/8"	3/8"
KBGD50.0808	1/2"	1/2"
KBGD50.1212	3/4"	3/4"
KBGD50.1616	1"	1"
KBGD50.2020	1.1/4"	1.1/4"

**UNIÃO FÊMEA - FÊMEA
FIXA**
ADAPTOR FIXED FEMALE
BSPP

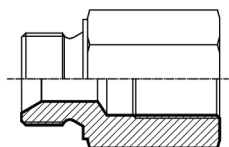
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD40.0202	1/8"	1/8"
KBGD40.0404	1/4"	1/4"
KBGD40.0606	3/8"	3/8"
KBGD40.0808	1/2"	1/2"
KBGD40.1010	5/8"	5/8"
KBGD40.1212	3/4"	3/4"
KBGD40.1616	1"	1"
KBGD40.2020	1.1/4"	1.1/4"
KBGD40.2424	1.1/2"	1.1/2"
KBGD40.3232	2"	2"

**UNIÃO FÊMEA - FÊMEA
MÉTRICA**
ADAPTOR METRIC FIXED
FEMALE

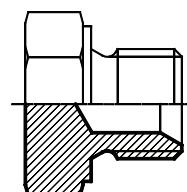
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD42.1414	14X1.5	14X1.5
KBGD42.1616	16X1.5	16X1.5
KBGD42.1818	18X1.5	18X1.5
KBGD42.2222	22X1.5	22X1.5

**REDUÇÃO MACHO
FÊMEA BSPP**
MALE FEMALE STUD
ADAPTER PACKING RING

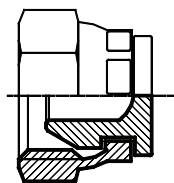
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
547000.0206	3/8"	1/8"
547000.0208	1/2"	1/8"
547000.0408	1/2"	1/4"
547000.0412	3/4"	1/4"
547000.0612	3/4"	3/8"
547000.0416	1"	1/4"
547000.0616	1"	3/8"
547000.0824	1.1/2"	1/2"
547000.1224	1.1/2"	3/4"
547000.1624	1.1/2"	1"

**REDUÇÃO MACHO
FÊMEA BSPP (RI)**
MALE FEMALE STUD
ADAPTER PACKING RING

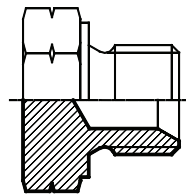
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
547000.0204	1/8"	1/4"
547000.0206	1/8"	3/8"
547000.0402	1/4"	1/8"
547000.0406	1/4"	3/8"
547000.0408	1/4"	1/2"
547000.0412	1/4"	3/4"
547000.0604	3/8"	1/4"
547000.0608	3/8"	1/2"
547000.0612	3/8"	3/4"
547000.0806	1/2"	3/8"
547000.0812	1/2"	3/4"
547000.0816	1/2"	1"
547000.1208	3/4"	1/2"
547000.1216	3/4"	1"
547000.1224	3/4"	1.1/2"
547000.1612	1"	3/4"
547000.1620	1"	1.1/4"
547000.1624	1"	1.1/2"
547000.2016	1.1/4"	1"
547000.2024	1.1/4"	1.1/2"
547000.2420	1.1/2"	1.1/4"

TACO MACHO BSP
MALE PLUG BSPP

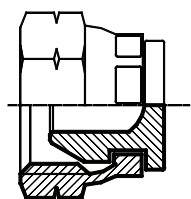
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD36.02	1/8"	15
KBGD36.04	1/4"	19
KBGD36.06	3/8"	22
KBGD36.08	1/2"	27
KBGD36.10	5/8"	28
KBGD36.12	3/4"	32
KBGD36.16	1"	38
KBGD36.20	1.1/4"	50
KBGD36.24	1.1/2"	55
KBGD36.32 *	2"	70

TACO FÊMEA BSP
FEMALE PLUG BSPP

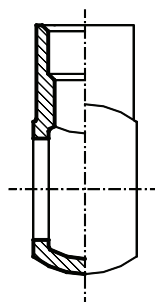
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD38.02	1/8"	15
KBGD38.04	1/4"	19
KBGD38.06	3/8"	22
KBGD38.08	1/2"	27
KBGD38.10	5/8"	28
KBGD38.12	3/4"	32
KBGD38.16	1"	38
KBGD38.20	1.1/4"	50
KBGD38.24	1.1/2"	55
KBGD38.32 *	2"	70

TACO MACHO MÉTRICO
METRIC MALE PLUG

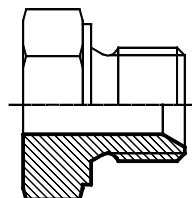
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD37.08	8X1	9
KBGD37.10	10X1	14
KBGD37.12	12X1.5	17
KBGD37.14	14X1.5	19
KBGD37.16	16X1.5	22
KBGD37.18	18X1.5	24
KBGD37.20	20X1.5	27
KBGD37.22	22X1.5	27
KBGD37.24	24X1.5	30
KBGD37.26	26X1.5	32
KBGD37.28	28X1.5	34
KBGD37.30	30X1.5	38

TACO FÊMEA MÉTRICA
SWIVEL METRIC FEMALE
PLUG

CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD39.10	10X1	15
KBGD39.12	12X1.5	17
KBGD39.14	14X1.5	19
KBGD39.16	16X1.5	22
KBGD39.18	18X1.5	22
KBGD39.20	20X1.5	27
KBGD39.22	22X1.5	27
KBGD39.24	24X1.5	30
KBGD39.26	26X1.5	32
KBGD39.28	28X1.5	32
KBGD39.30	30X1.5	36

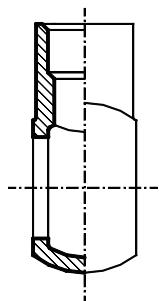
BANJO SOLDAR BSPP
WELDING BANJO BSPP

CÓDIGO CODE	DIÂM Ø	TUBO TUBE
KBGD61.0206	1/8"	6
KBGD61.0406	1/4"	6
KBGD61.0408	1/4"	8
KBGD61.0410	1/4"	10
KBGD61.0412	1/4"	12
KBGD61.0610	3/8"	10
KBGD61.0612	3/8"	12
KBGD61.0614	3/8"	14
KBGD61.0615	3/8"	15
KBGD61.0812	1/2"	12
KBGD61.0814	1/2"	14
KBGD61.0815	1/2"	15
KBGD61.0816	1/2"	16
KBGD61.0818	1/2"	18
KBGD61.1018	5/8"	18
KBGD61.1022	5/8"	22
KBGD61.1218	3/4"	18
KBGD61.1220	3/4"	20
KBGD61.1222	3/4"	22
KBGD61.1625	1"	25
KBGD61.1627	1"	27

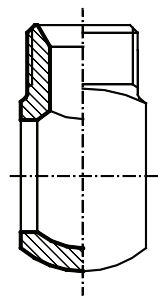
MACHO SOLDAR BSPP
WELDING MALE
ADAPTOR BSPP

CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGD14.0206	6	1/8"
KBGD14.0406	6	1/4"
KBGD14.0410	10	1/4"
KBGD14.0412	12	1/4"
KBGD14.0610	10	3/8"
KBGD14.0612	12	3/8"
KBGD14.0614	14	3/8"
KBGD14.0616	16	3/8"
KBGD14.0814	14	1/2"
KBGD14.0815	15	1/2"
KBGD14.0816	16	1/2"
KBGD14.0818	18	1/2"
KBGD14.0820	20	1/2"
KBGD14.1016	16	5/8"
KBGD14.1216	16	3/4"
KBGD14.1220	20	3/4"
KBGD14.1225	25	3/4"
KBGD14.1625	25	1"
KBGD14.2038	38	1.1/4"
KBGD14.2442	42	1.1/2"

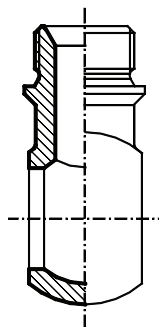
BSP SV 60° • BSP SV 60°

**BANJO MÉTRICO
SOLDAR**
METRIC
WELDING BANJO

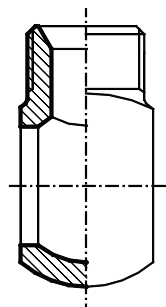
CÓDIGO CODE	DIÂM Ø	TUBO TUBE
KBGD62.0604	6	4
KBGD62.0804	8	4
KBGD62.0805	8	5
KBGD62.0806	8	6
KBGD62.1006	10	6
KBGD62.1008	10	8
KBGD62.1206	12	6
KBGD62.1208	12	8
KBGD62.1210	12	10
KBGD62.1406	14	6
KBGD62.1408	14	8
KBGD62.1410	14	10
KBGD62.1412	14	12
KBGD62.1610	16	10
KBGD62.1612	16	12
KBGD62.1614	16	14
KBGD62.1810	18	10
KBGD62.1812	18	12
KBGD62.1814	18	14
KBGD62.1815	18	15

**BANJO MACHO BSPP
BSPP MALE BANJO**

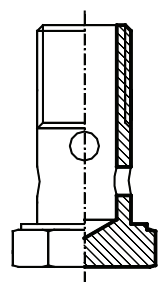
CÓDIGO CODE	DIÂM Ø	TUBO TUBE
KBGD64.0202	1/8"	1/8"
KBGD64.0404	1/4"	1/4"
KBGD64.0604	1/4"	3/8"
KBGD64.0606	3/8"	3/8"
KBGD64.0608	1/2"	3/8"
KBGD64.0804	1/4"	1/2"
KBGD64.0806	3/8"	1/2"
KBGD64.0808	1/2"	1/2"
KBGD64.1208	1/2"	3/4"
KBGD64.1212	3/4"	3/4"
KBGD64.1612	3/4"	1"
KBGD64.1616	1"	1"

**BANJO MACHO BSPP
BANJO BSPP - MALE
BSPP WITH GUIDE**

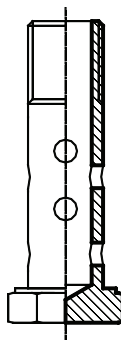
CÓDIGO CODE	DIÂM Ø	TUBO TUBE
KBGD64.0404	1/4"	1/4"
KBGD64.0604	1/4"	3/8"
KBGD64.0606	3/8"	3/8"
KBGD64.0608	1/2"	3/8"
KBGD64.0806	3/8"	1/2"
KBGD64.0808	1/2"	1/2"
KBGD64.1212	3/4"	3/4"
KBGD64.1616	1"	1"

**BANJO MACHO
MÉTRICO
METRIC BANJO - MALE
BSPP**

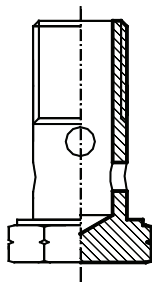
CÓDIGO CODE	DIÂM Ø	TUBO TUBE
KBGD66.1010	10x1	10x1
KBGD66.1212	12x1.5	12x1.5
KBGD66.1414	14x1.5	14x1.5
KBGD66.1616	16x1.5	16x1.5
KBGD66.1816	18x1.5	16x1.5
KBGD66.1818	18x1.5	18x1.5
KBGD66.1822	18x1.5	22x1.5
KBGD66.2018	20x1.5	18x1.5
KBGD66.2020	20x1.5	20x1.5
KBGD66.2218	22x1.5	18x1.5
KBGD66.2222	22x1.5	22x1.5
KBGD66.2626	26x1.5	26x1.5

**PARAFUSO BSPP
BSPP BOLT**

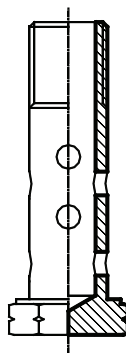
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
401002.02	1/8"	14
401002.04	1/4"	19
401002.06	3/8"	22
401002.08	1/2"	27
401002.10	5/8"	30
401002.12	3/4"	32
401002.16	1"	41
401002.20	1.1/4"	-
401002.24	1.1/2"	-

**PARAFUSO DUPLO BSPP
DOUBLE BSPP BOLT**

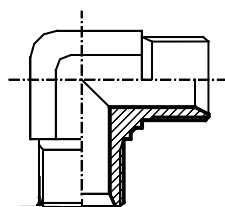
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
401010.02	1/8"	14
401010.04	1/4"	19
401010.06	3/8"	22
401010.08	1/2"	27
401010.10	5/8"	30
401010.12	3/4"	32
401010.16	1"	41
401010.20	1.1/4"	-
401010.24	1.1/2"	-

PARAFUSO MÉTRICO
METRIC BOLTCÓDIGO
CODEROSCA
THREADROSCA
THREADPARAFUSO DUPLO
MÉTRICO
DOUBLE METRIC BOLTCÓDIGO
CODEROSCA
THREADROSCA
THREAD

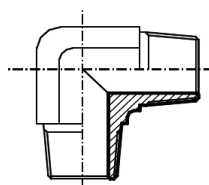
401006.06	6X1	10
401006.08	8X1	12
401006.08X1.25	8X1.25	12
401006.08X1.5	8X1.5	12
401006.10	10X1	14
401006.10X1.25	10X1.25	14
401006.10X1.5	10X1.5	14
401006.12	12X1.5	17
401006.12X1	12X1	17
401006.12X1.25	12X1.25	17
401006.14	14X1.5	19
401006.16	16X1.5	22
401006.18	18X1.5	24
401006.20	20X1.5	27
401006.22	22X1.5	27
401006.24	24X1.5	30
401006.24X2	24X2	30
401006.26	26X1.5	32
401006.30	30X1.5	38



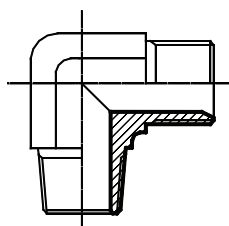
401011.M08	8X1	-
401011.08X1.25	8X1.25	-
401011.10	10X1	-
401011.10X1.25	10X1.25	-
401011.12	12X1.5	-
401011.12X1.25	12X1.25	-
401011.14	14X1.5	-
401011.16	16X1.5	-
401011.18	18X1.5	-
401011.20	20X1.5	-
401011.22	22X1.5	-
401011.26	26X1.5	-

JOELHO MACHO BSP
90° ADAPTOR BSP MALECÓDIGO
CODEROSCA
THREADROSCA
THREADJOELHO MACHO NPT
90° ADAPTOR
MALE NPTCÓDIGO
CODEROSCA
THREADROSCA
THREAD

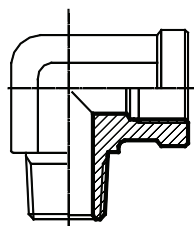
KBGN10.02	1/8"	1/8"
KBGN10.04	1/4"	1/4"
KBGN10.06	3/8"	3/8"
KBGN10.08	1/2"	1/2"
KBGN10.10	5/8"	5/8"
KBGN10.12	3/4"	3/4"
KBGN10.16	1"	1"
KBGN10.20	1.1/4"	1.1/4"
KBGN10.24	1.1/2"	1.1/2"



KBGN11.02	1/8"	1/8"
KBGN11.04	1/4"	1/4"
KBGN11.06	3/8"	3/8"
KBGN11.08	1/2"	1/2"
KBGN11.12	3/4"	3/4"
KBGN11.16	1"	1"
KBGN11.20	1.1/4"	1.1/4"

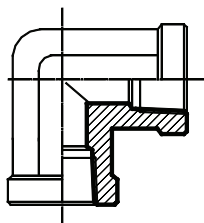
JOELHO MACHO
BSP - MACHO NPT
90° ADAPTOR
MALE BSPP- MALE NPTCÓDIGO
CODEROSCA
THREADROSCA
THREADJOELHO MACHO
BSPT - FÊMEA BSPP
90° ADAPTOR
MALE BSPT- FEMALE
BSPPCÓDIGO
CODEROSCA
THREADROSCA
THREAD

KBGN08.02	1/8"	1/8"
KBGN08.04	1/4"	1/4"
KBGN08.06	3/8"	3/8"
KBGN08.08	1/2"	1/2"
KBGN08.10	5/8"	5/8"
KBGN08.12	3/4"	3/4"
KBGN08.16	1"	1"
KBGN08.20	1.1/4"	1.1/4"

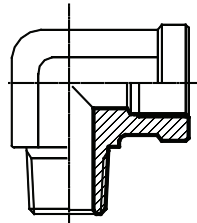


KBGN05.02	1/8"	1/8"
KBGN05.04	1/4"	1/4"
KBGN05.06	3/8"	3/8"
KBGN05.08	1/2"	1/2"
KBGN05.12	3/4"	3/4"
KBGN05.16	1"	1"

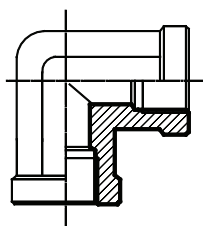
BSP SV 60° • BSP SV 60°

JOELHO FÊMEA NPT
90° ADAPTOR
FEMALE NPT

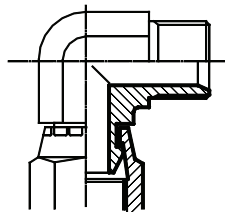
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN07.02	1/8"	1/8"
KBGN07.04	1/4"	1/4"
KBGN07.06	3/8"	3/8"
KBGN07.08	1/2"	1/2"
KBGN07.12	3/4"	3/4"
KBGN07.16	1"	1"

**JOELHO FIXO MACHO
FÊMEA NPT**
90° ADAPTOR FIXED
MALE FIXED
FEMALE NPT

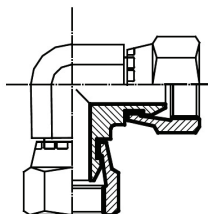
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN04.02	1/8"	1/8"
KBGN04.04	1/4"	1/4"
KBGN04.06	3/8"	3/8"
KBGN04.08	1/2"	1/2"
KBGN04.12	3/4"	3/4"
KBGN04.16	1"	1"

JOELHO FÊMEA BSPP
90° ADAPTOR FIXED
FEMALE BSPP

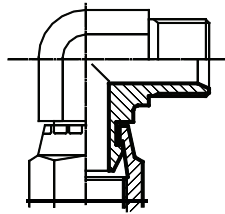
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN06.02	1/8"	1/8"
KBGN06.04	1/4"	1/4"
KBGN06.06	3/8"	3/8"
KBGN06.08	1/2"	1/2"
KBGN06.12	3/4"	3/4"
KBGN06.16	1"	1"

**JOELHO MACHO
FÊMEA BSP**
90° ADAPTOR MALE
BSPP SWIVEL FEMALE
BSPP

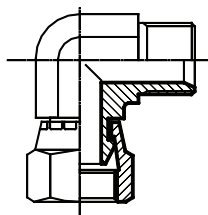
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN12.02	1/8"	1/8"
KBGN12.04	1/4"	1/4"
KBGN12.06	3/8"	3/8"
KBGN12.08	1/2"	1/2"
KBGN12.12	3/4"	3/4"
KBGN12.16	1"	1"
KBGN12.20	1.1/4"	1.1/4"

**JOELHO FÊMEA - FÊMEA
BSP**
90° ADAPTOR FEMALE
BSPP SWIVEL FEMALE
BSPP

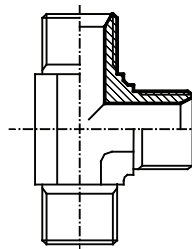
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN13.02	1/8"	1/8"
KBGN13.04	1/4"	1/4"
KBGN13.06	3/8"	3/8"
KBGN13.08	1/2"	1/2"
KBGN13.12	3/4"	3/4"
KBGN13.16	1"	1"
KBGN13.20	1.1/4"	1.1/4"

**JOELHO MACHO
FÊMEA NPT**
90° ADAPTOR MALE NPT
SWIVEL FEMALE BSPP

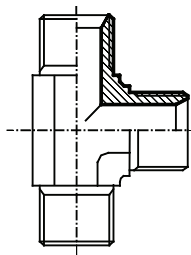
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN21.02	1/8"	1/8"
KBGN21.04	1/4"	1/4"
KBGN21.06	3/8"	3/8"
KBGN21.08	1/2"	1/2"
KBGN21.12	3/4"	3/4"
KBGN21.16	1"	1"
KBGN21.20	1.1/4"	1.1/4"

**JOELHO MACHO
FÊMEA MÉTRICO**
90° ADAPTOR METRIC
MALE - METRIC FEMALE

CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBGN20.12	12x1.5	12x1.5
KBGN20.14	14x1.5	14x1.5
KBGN20.16	16x1.5	16x1.5
KBGN20.18	18x1.5	18x1.5
KBGN20.20	20x1.5	20x1.5
KBGN20.22	22x1.5	22x1.5
KBGN20.26	26x1.5	26x1.5
KBGN20.30	30x1.5	30x1.5

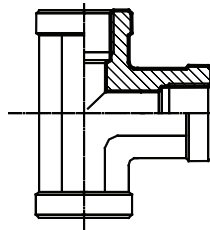
T MACHO BSP
ADAPTOR "T" MALE BSP**CÓDIGO
CODE** **ROSCA
THREAD**

KBGT10.02	1/8"
KBGT10.04	1/4"
KBGT10.06	3/8"
KBGT10.08	1/2"
KBGT10.10	5/8"
KBGT10.12	3/4"
KBGT10.16	1"
KBGT10.20	1.1/4"

T MACHO MÉTRICO
 ADAPTOR "T" MALE
 METRIC

CÓDIGO
 CODE

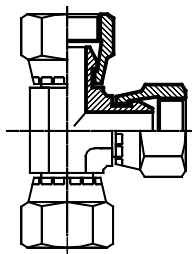
ROSCA
 THREAD

KBGT20.10	10x1
KBGT20.12	12x1.5
KBGT20.14	14x1.5
KBGT20.16	16x1.5
KBGT20.18	18x1.5
KBGT20.20	20x1.5
KBGT20.22	22x1.5
KBGT20.26	26x1.5
KBGT20.30	30x1.5

T FÊMEA FIXA BSP
 "T" FIXED FEMALE
 ADAPTOR BSPP

CÓDIGO
 CODE

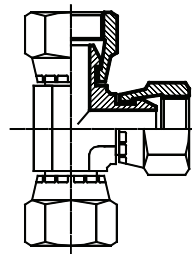
ROSCA
 THREAD

KBGT30.02	1/8"
KBGT30.04	1/4"
KBGT30.06	3/8"
KBGT30.08	1/2"
KBGT30.12	3/4"
KBGT30.16	1"

T FÊMEA GIRATÓRIA
 BSPP
 "T" SWIVEL FEMALE
 ADAPTOR BSPP

CÓDIGO
 CODE

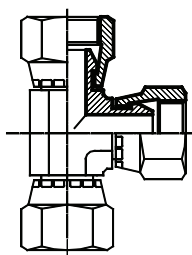
ROSCA
 THREAD

KBGT11.02	1/8"
KBGT11.04	1/4"
KBGT11.06	3/8"
KBGT11.08	1/2"
KBGT11.12	3/4"
KBGT11.16	1"
KBGT11.20	1.1/4"

T FÊMEA CENTRAL GIRA-
TÓRIA BSPP
 "T" SWIVEL FEMALE
 ADAPTOR BSPP

CÓDIGO
 CODE

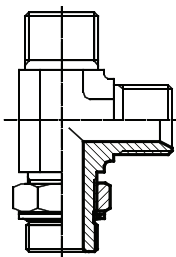
ROSCA
 THREAD

KBGT12.02	1/8"
KBGT12.04	1/4"
KBGT12.06	3/8"
KBGT12.08	1/2"
KBGT12.12	3/4"
KBGT12.16	1"
KBGT12.20	1.1/4"

T FÊMEA LATERAL GIRA-
TÓRIA BSPP
 "T" SWIVEL FEMALE
 ADAPTOR BSPP

CÓDIGO
 CODE

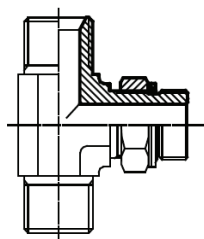
ROSCA
 THREAD

KBGT16.02	1/8"
KBGT16.04	1/4"
KBGT16.06	3/8"
KBGT16.08	1/2"
KBGT16.12	3/4"
KBGT16.16	1"
KBGT16.20	1.1/4"

T BSPP ORIENTÁVEL
 LATERAL
 ADJUSTABLE "T"
 ADAPTOR MALE BSPP

CÓDIGO
 CODE

ROSCA
 THREAD

KBGT18.0202	1/8"
KBGT18.0404	1/4"
KBGT18.0406	1/4"
KBGT18.0606	3/8"
KBGT18.0608	3/8"
KBGT18.0808	1/2"
KBGT18.0812	1/2"
KBGT18.1208	3/4"
KBGT18.1212	3/4"
KBGT18.2116	3/4"
KBGT18.1616	1"

T BSPP ORIENTÁVEL
 CENTRAL
 ADJUSTABLE "T"
 ADAPTOR MALE BSPP

CÓDIGO
 CODE

ROSCA
 THREAD

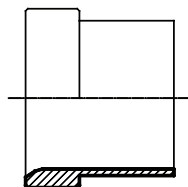
KBGT14.0202	1/8"
KBGT14.0404	1/4"
KBGT14.0606	3/8"
KBGT14.0808	1/2"
KBGT14.0812	1/2"
KBGT14.1208	3/4"
KBGT14.1212	3/4"
KBGT14.1216	3/4"
KBGT14.1616	1"



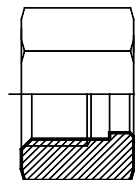
JIC • JIC



JIC

ANEL
BUSHCÓDIGO
CODETUBO
HOSE

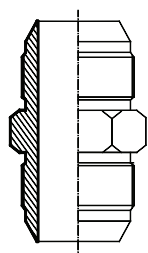
KBJD01.04	6-1/4"
KBJD01.05	8-5/16"
KBJD01.06	3/8"
KBJD01.10	10
KBJD01.08	1/2"
KBJD01.12	12
KBJD01.14	14
KBJD01.15	15
KBJD01.16	16-5/8"
KBJD01.18	18
KBJD01.20	20-3/4"
KBJD01.22	22
KBJD01.25	25-1"
KBJD01.30	30
KBJD01.32	32 - 1.1/4"
KBJD01.38	38 - 1.1/2"

PORCA
NUTCÓDIGO
CODEROSCA
THREAD

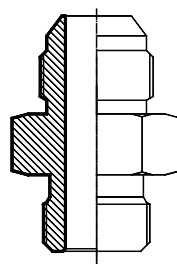
KBJD02.04	7/16"
KBJD02.05	1/2"
KBJD02.06	9/16"
KBJD02.08	3/4"
KBJD02.10	7/8"
KBJD02.12	1".1/16
KBJD02.16	1".5/16
KBJD02.20	1".5/8
KBJD02.24	1".7/8

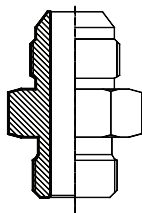
UNIÃO JIC - BSPP
ADAPTOR MALE JIC
MALE BSPPCÓDIGO
CODEROSCA
THREADROSCA
THREAD

KBJD12.0204	7/16"	1/8"
KBJD12.0404	7/16"	1/4"
KBJD12.0304	7/16"	3/8"
KBJD12.0804	7/16"	1/2"
KBJD12.0205	1/2"	1/8"
KBJD12.0405	1/2"	1/4"
KBJD12.0605	1/2"	3/8"
KBJD12.0805	1/2"	1/2"
KBJD12.0206	9/16"	1/8"
KBJD12.0406	9/16"	1/4"
KBJD12.0606	9/16"	3/8"
KBJD12.0608	9/16"	1/2"
KBJD12.0804	3/4"	1/4"
KBJD12.0806	3/4"	3/8"
KBJD12.0808	3/4"	1/2"
KBJD12.0812	3/4"	3/4"
KBJD12.1006	7/8"	3/8"
KBJD12.1008	7/8"	1/2"
KBJD12.1012	7/8"	3/4"
KBJD12.1016	7/8"	1"
KBJD12.1208	1".1/16	1/2"
KBJD12.1212	1".1/16	3/4"
KBJD12.1216	1".1/16	1"
KBJD12.1612	1".5/16	3/4"
KBJD12.1616	1".5/16	1"
KBJD12.1620	1".5/16	1".1/4
KBJD12.2016	1".5/8	1"
KBJD12.2020	1".5/8	1".1/4
KBJD12.2420	1".5/8	1".1/2
KBJD12.2016	1".7/8	1"
KBJD12.2024	1".7/8	1".1/4
KBJD12.2424	1".7/8	1".1/2

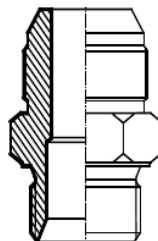
UNIÃO JIC
JIC ADAPTORCÓDIGO
CODEROSCA
THREADROSCA
THREAD

KBJD10.0505	1/2"	1/2"
KBJD10.0606	9/16"	9/16"
KBJD10.0808	3/4"	3/4"
KBJD10.1010	7/8"	7/8"
KBJD10.1212	1".1/16	1".1/16
KBJD10.1616	1".5/16	1".5/16
KBJD10.2020	1".5/8	1".5/8
KBJD10.2424	1".7/8	1".7/8

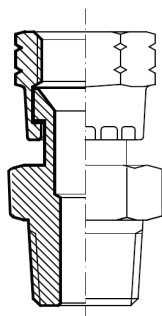


UNIÃO MACHO JIC - MACHO UNF
ADAPTOR MALE JIC - MALE UNF


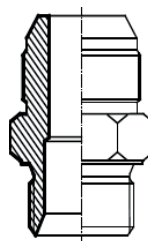
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD11.0404	7/16"	7/16"
KBJD11.0405	7/16"	1/2"
KBJD11.0406	7/16"	9/16"
KBJD11.0408	7/16"	3/4"
KBJD11.0505	1/2"	1/2"
KBJD11.0506	1/2"	9/16"
KBJD11.0604	9/16"	7/16"
KBJD11.0605	9/16"	1/2"
KBJD11.0606	9/16"	9/16"
KBJD11.0608	9/16"	3/4"
KBJD11.0610	9/16"	7/8"
KBJD11.0806	3/4"	9/16"
KBJD11.0808	3/4"	3/4"
KBJD11.0810	3/4"	7/8"
KBJD11.0812	3/4"	1".1/16
KBJD11.1008	7/8"	3/4"
KBJD11.1010	7/8"	7/8"
KBJD11.1012	7/8"	1".1/16
KBJD11.1208	1.1/16"	3/4"
KBJD11.1210	1.1/16"	7/8"
KBJD11.1212	1.1/16"	1.1/16"
KBJD11.1216	1.1/16"	1.5/16"
KBJD11.1610	1.5/16"	7/8"
KBJD11.1612	1.5/16"	1.1/16"
KBJD11.1616	1.5/16"	1.5/16"
KBJD11.1620	1.5/16"	1.5/8"
KBJD11.2016	1.5/8"	1.5/16"
KBJD11.2020	1.5/8"	1.5/8"
KBJD11.2420	1.7/8"	1.5/8"
KBJD11.2424	1.7/8"	1.7/8"

UNIÃO MACHO JIC - MACHO BSP CONE 60°
ADAPTOR MALE JIC - MALE BSP 60° CONE


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD22.0402	7/16"	1/8"
KBJD22.0404	7/16"	1/4"
KBJD22.0403	7/16"	3/8"
KBJD22.0408	7/16"	1/2"
KBJD22.0502	1/2"	1/8"
KBJD22.0504	1/2"	1/4"
KBJD22.0506	1/2"	3/8"
KBJD22.0508	1/2"	1/2"
KBJD22.0602	9/16"	1/8"
KBJD22.0604	9/16"	1/4"
KBJD22.0606	9/16"	3/8"
KBJD22.0806	9/16"	1/2"
KBJD22.0408	3/4"	1/4"
KBJD22.0608	3/4"	3/8"
KBJD22.0808	3/4"	1/2"
KBJD22.1208	3/4"	3/4"
KBJD22.0610	7/8"	3/8"
KBJD22.0810	7/8"	1/2"
KBJD22.1210	7/8"	3/4"
KBJD22.1610	7/8"	1"
KBJD22.0812	1".1/16	1/2"
KBJD22.1212	1".1/16	3/4"
KBJD22.1612	1".1/16	1"
KBJD22.1216	1".5/16	3/4"
KBJD22.1616	1".5/16	1"
KBJD22.2016	1".5/16	1".1/4
KBJD22.1620	1".5/8	1"
KBJD22.2020	1".5/8	1".1/4
KBJD22.2024	1".5/8	1".1/2
KBJD22.1620	1".7/8	1"
KBJD22.2420	1".7/8	1".1/4
KBJD22.2424	1".7/8	1".1/2

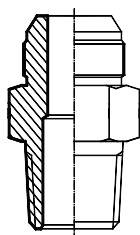
UNIÃO ORIENTÁVEL FÊMEA JIC - MACHO MÉTRICO CONE 60°
ADAPTOR FEMALE JIC - MALE METRIC 60° CONE


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD36.0410	7/16"	10X1
KBJD36.0412	7/16"	12X1,5
KBJD36.0510	1/2"	10X1
KBJD36.0512	1/2"	12X1,5
KBJD36.0514	1/2"	14X1,5
KBJD36.0614	9/16"	14X1,5
KBJD36.0616	9/16"	16X1,5
KBJD36.0814	3/4"	14X1,5
KBJD36.0816	3/4"	16X1,5
KBJD36.0818	3/4"	18X1,5
KBJD36.1018	7/8"	18X1,5
KBJD36.1020	7/8"	20X1,5
KBJD36.1022	7/8"	22X1,5
KBJD36.1222	1".1/16	22X1,5
KBJD36.1227	1".1/16	27X2
KBJD36.1629	1".5/16	27X2
KBJD36.2033	1".5/16	33X2
KBJD36.2442	1".5/8	42X2
KBJD36.2448	1".7/8	48X2

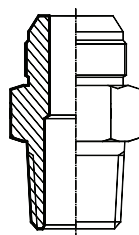
UNIÃO MACHO JIC - MACHO MÉTRICO
ADAPTOR MALE JIC - MALE METRIC


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD34.0410	7/16"	10x1
KBJD34.0412	7/16"	12x1.5
KBJD34.0510	1/2"	10x1
KBJD34.0512	1/2"	12x1.5
KBJD34.0514	1/2"	14x1.5
KBJD34.0614	9/16"	14x1.5
KBJD34.0616	9/16"	16x1.5
KBJD34.0814	3/4"	14x1.5
KBJD34.0816	3/4"	16x1.5
KBJD34.0818	3/4"	18x1.5
KBJD34.1018	7/8"	18x1.5
KBJD34.1020	7/8"	20x1.5
KBJD34.1022	7/8"	22x1.5
KBJD34.1222	1.1/16"	22x1.5
KBJD34.1227	1.1/16"	27x2
KBJD34.1633	1.5/16"	33x2
KBJD34.2042	1.5/8"	42x8
KBJD34.2448	1.7/16"	48x2

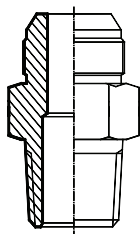
JIC

UNIÃO MACHO JIC - MACHO BSPT
 ADAPTOR MALE
 JIC - MALE BSPT


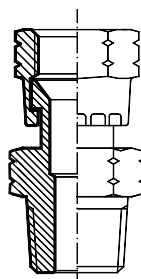
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD18.0402	7/16"	1/8"
KBJD18.0404	7/16"	1/4"
KBJD18.0502	1/2"	1/8"
KBJD18.0504	1/2"	1/4"
KBJD18.0602	9/16"	1/8"
KBJD18.0604	9/16"	1/4"
KBJD18.0606	9/16"	3/8"
KBJD18.0608	9/16"	1/2"
KBJD18.0804	3/4"	1/4"
KBJD18.0806	3/4"	3/8"
KBJD18.0808	3/4"	1/2"
KBJD18.0808	3/4"	3/4"
KBJD18.1006	7/8"	3/8"
KBJD18.1008	7/8"	1/2"
KBJD18.1012	7/8"	3/4"
KBJD18.1208	1".1/16	1/2"
KBJD18.1212	1".1/16	3/4"
KBJD18.1216	1".1/16	1"
KBJD18.1612	1".5/16	3/4"
KBJD18.1616	1".5/16	1"
KBJD18.2020	1".5/8	1".1/4
KBJD18.2420	1".7/8	1".1/4
KBJD18.2424	1".7/8	1".1/2

UNIÃO MACHO JIC - MACHO NPT
 ADAPTOR MALE
 JIC - MALE NPT


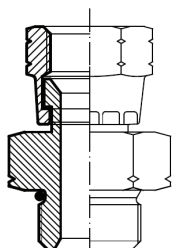
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD19.0402	7/16"	1/8"
KBJD19.0404	7/16"	1/4"
KBJD19.0502	1/2"	1/8"
KBJD19.0504	1/2"	1/4"
KBJD19.0602	9/16"	1/8"
KBJD19.0604	9/16"	1/4"
KBJD19.0606	9/16"	3/8"
KBJD19.0608	9/16"	1/2"
KBJD19.0804	3/4"	1/4"
KBJD19.0806	3/4"	3/8"
KBJD19.0808	3/4"	1/2"
KBJD19.0808	3/4"	3/4"
KBJD19.1006	7/8"	3/8"
KBJD19.1008	7/8"	1/2"
KBJD19.1012	7/8"	3/4"
KBJD19.1208	1".1/16	1/2"
KBJD19.1212	1".1/16	3/4"
KBJD19.1216	1".1/16	1"
KBJD19.1612	1".5/16	3/4"
KBJD19.1616	1".5/16	1"
KBJD19.2020	1".5/8	1".1/4
KBJD19.2420	1".7/8	1".1/4
KBJD19.2424	1".7/8	1".1/2

UNIÃO FÊMEA JIC - MACHO BSPT
 ADAPTOR FEMALE
 JIC - MALE BSPT


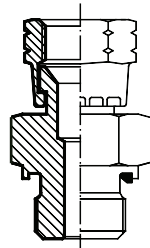
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD36.0402	7/16"	1/8"
KBJD36.0404	7/16"	1/4"
KBJD36.0502	1/2"	1/8"
KBJD36.0504	1/2"	1/4"
KBJD36.0602	9/16"	1/8"
KBJD36.0604	9/16"	1/4"
KBJD36.0606	9/16"	3/8"
KBJD36.0608	9/16"	1/2"
KBJD36.0804	3/4"	1/4"
KBJD36.0806	3/4"	3/8"
KBJD36.0808	3/4"	1/2"
KBJD36.0808	3/4"	3/4"
KBJD36.1006	7/8"	3/8"
KBJD36.1008	7/8"	1/2"
KBJD36.1012	7/8"	3/4"
KBJD36.1208	1".1/16	1/2"
KBJD36.1212	1".1/16	3/4"
KBJD36.1216	1".1/16	1"
KBJD36.1612	1".5/16	3/4"
KBJD36.1616	1".5/16	1"
KBJD36.2020	1".5/8	1".1/4
KBJD36.2420	1".7/8	1".1/4
KBJD36.2424	1".7/8	1".1/2

UNIÃO FÊMEA JIC - MACHO NPT
 ADAPTOR FEMALE
 JIC - MALE NPT


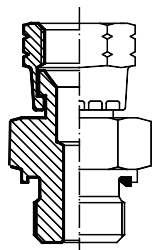
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD38.0402	7/16"	1/8"
KBJD38.0404	7/16"	1/4"
KBJD38.0502	1/2"	1/8"
KBJD38.0504	1/2"	1/4"
KBJD38.0602	9/16"	1/8"
KBJD38.0604	9/16"	1/4"
KBJD38.0606	9/16"	3/8"
KBJD38.0608	9/16"	1/2"
KBJD38.0804	3/4"	1/4"
KBJD38.0806	3/4"	3/8"
KBJD38.0808	3/4"	1/2"
KBJD38.0808	3/4"	3/4"
KBJD38.1006	7/8"	3/8"
KBJD38.1008	7/8"	1/2"
KBJD38.1012	7/8"	3/4"
KBJD38.1208	1".1/16	1/2"
KBJD38.1212	1".1/16	3/4"
KBJD38.1216	1".1/16	1"
KBJD38.1612	1".5/16	3/4"
KBJD38.1616	1".5/16	1"
KBJD38.2020	1".5/8	1".1/4
KBJD38.2420	1".7/8	1".1/4
KBJD38.2424	1".7/8	1".1/2

**UNIÃO FÊMEA JIC -
MACHO BSPP**
ADAPTOR FEMALE
JIC - MALE BSPP


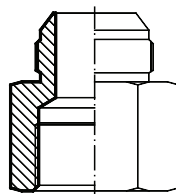
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
.0402	7/16"	7/16"
KBJD16.0404	7/16"	7/16"
KBJD16.0406	7/16"	7/16"
KBJD16.0502	1/2"	1/2"
KBJD16.0504	1/2"	1/2"
KBJD16.0506	1/2"	1/2"
KBJD16.0604	9/16"	9/16"
KBJD16.0608	9/16"	9/16"
KBJD16.0606	9/16"	9/16"
KBJD16.0608	3/4"	3/4"
KBJD16.0804	3/4"	3/4"
KBJD16.0806	3/4"	3/4"
KBJD16.0808	7/8"	7/8"
KBJD16.1006	7/8"	7/8"
KBJD16.1008	7/8"	7/8"
KBJD16.1012	1".1/16	1".1/16
KBJD16.1208	1".1/16	1".1/16
KBJD16.1212	1".1/16	1".1/16
KBJD16.1216	1".5/16	1".5/16
KBJD16.1612	1".5/16	1".5/16
KBJD16.1620	1".5/8	1".5/8
KBJD16.2016	1".5/8	1".5/8
KBJD16.2020	1".7/8	1".7/8
KBJD16.2420	1".7/8	1".7/8
KBJD16.2424	1".7/8	1".1/2

**UNIÃO FÊMEA JIC -
MACHO SAE**
ADAPTOR SWIVEL
FEMALE JIC - MALE SAE


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD14.0404	7/16"	7/16"
KBJD14.0405	7/16"	1/2"
KBJD14.0406	7/16"	9/16"
KBJD14.0505	1/2"	1/2"
KBJD14.0606	9/16"	9/16"
KBJD14.0608	9/16"	3/4"
KBJD14.0808	3/4"	3/4"
KBJD14.0810	3/4"	7/8"
KBJD14.0812	3/4"	1".1/16
KBJD14.1008	7/8"	3/4"
KBJD14.1010	7/8"	7/8"
KBJD14.1012	7/8"	1".1/16
KBJD14.1208	1".1/16	3/4"
KBJD14.1210	1".1/16	7/8"
KBJD14.1212	1".1/16	1".1/16
KBJD14.1216	1".1/16	1".5/16
KBJD14.1612	1".5/16	1".1/16
KBJD14.1616	1".5/16	1".5/16
KBJD14.1620	1".5/16	1".5/8
KBJD14.2020	1".5/8	1".5/8
KBJD14.2424	1".7/8	1".7/8

**UNIÃO FÊMEA JIC -
MACHO MÉTRICO**
ADAPTOR SWIVEL
FEMALE JIC -
METRIC MALE


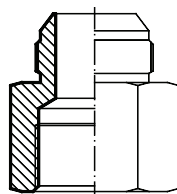
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD40.0410	7/16"	10X1
KBJD40.0412	7/16"	12X1,5
KBJD40.0510	1/2"	10X1
KBJD40.0512	1/2"	12X1,5
KBJD40.0514	1/2"	14X1,5
KBJD40.0614	9/16"	14X1,5
KBJD40.0616	9/16"	16X1,5
KBJD40.0816	3/4"	16X1,5
KBJD40.0818	3/4"	18X1,5
KBJD40.1018	7/8"	18X1,5
KBJD40.1020	7/8"	20X1,5
KBJD40.1022	7/8"	22X1,5
KBJD40.1222	1".1/16	22X1,5
KBJD40.1227	1".1/16	27X2
KBJD40.1627	1".5/16	27X2
KBJD40.1633	1".5/16	33X2
KBJD40.2042	1".5/8	42X2
KBJD40.2448	1".7/8	48X2

**UNIÃO FIXA
MACHO JIC -
FÊMEA BSPP**
ADAPTOR SWIVEL
FEMALE JIC - FIXED
FEMALE BSPP


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD20.0402	7/16"	1/8"
KBJD20.0404	7/16"	1/4"
KBJD20.0502	1/2"	1/8"
KBJD20.0504	1/2"	1/4"
KBJD20.0604	9/16"	1/4"
KBJD20.0606	9/16"	3/8"
KBJD20.0804	3/4"	1/4"
KBJD20.0806	3/4"	3/8"
KBJD20.0808	3/4"	1/2"
KBJD20.1008	7/8"	1/2"
KBJD20.1208	1.1/16"	1/2"
KBJD20.1212	1.1/16"	3/4"
KBJD20.1616	1.5/16"	1"
KBJD20.2016	1".5/8"	1"
KBJD20.2020	1.5/8"	1.1/4"
KBJD20.2024	1.7/8"	1.1/4"
KBJD20.2424	1.7/8"	1.1/2"

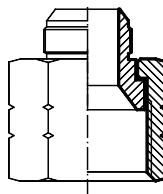
JIC

**UNIÃO FIXA
MACHO JIC -
FÊMEA NTP**
ADAPTOR MALE
JIC - FIXED FEMALE
NPT



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD42.0402	7/16"	1/8"
KBJD42.0404	7/16"	1/4"
KBJD42.0502	1/2"	1/8"
KBJD42.0504	1/2"	1/4"
KBJD42.0604	9/16"	1/4"
KBJD42.0606	9/16"	3/8"
KBJD42.0804	3/4"	1/4"
KBJD42.0806	3/4"	3/8"
KBJD42.0808	3/4"	1/2"
KBJD42.1008	7/8"	1/2"
KBJD42.1208	1.1/16"	1/2"
KBJD42.1212	1.1/16"	3/4"
KBJD42.1616	1.5/16"	1"
KBJD42.2016	1.5/8"	1"
KBJD42.2020	1.5/8"	1.1/4"
KBJD42.2024	1.7/8"	1.1/4"
KBJD42.2424	1.7/8"	1.1/2"

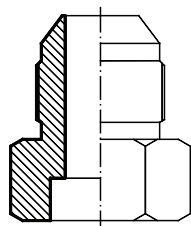
**UNIÃO MACHO JIC -
FÊMEA JIC
(GIRATÓRIA E FIXA)**
ADAPTOR SWIVEL
AND FIXED FEMALE
JIC- MALE JIC



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBJD44.0604S	9/16"	7/16"
KBJD44.0405F	9/16"	1/2"
KBJD44.0804S	3/4"	7/16"
KBJD44.0805S	3/4"	1/2"
KBJD44.0806S	3/4"	9/16"
KBJD42.1004S	7/8"	7/16"
KBJD42.1006S	7/8"	9/16"
KBJD44.1008F	7/8"	3/4"
KBJD44.1204S	1".1/16	7/16"
KBJD44.1206S	1".1/16	9/16"
KBJD44.1212S	1".1/16	3/4"
KBJD44.1210F	1".1/16	7/8"
KBJD44.1612S	1".5/16	1".1/16
KBJD44.2012S	1".5/8	1".1/16
KBJD44.2016S	1".5/8	1".5/16
KBJD44.2420S	1".7/8	1".5/16

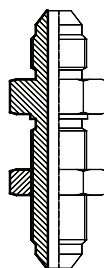
F- PORCA FIXA
F- FIXED NUT
S- PORCA GIRATÓRIA
S- SWIVEL NUT

**UNIÃO MACHO JIC -
P/ SOLDAR**
WELDING ADAPTOR
MALE JIC



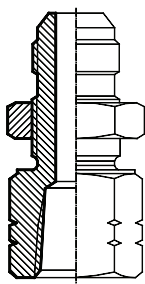
CÓDIGO CODE	ROSCA THREAD	DIAM Ø
KBJD24.0406	7/16"	6
KBJD24.0508	1/2"	8
KBJD24.0610	9/16"	10
KBJD24.0812	3/4"	12
KBJD24.1016	7/8"	16
KBJD24.1220	1".1/16	20
KBJD24.1625	1".5/16	25
KBJD24.2032	1".5/8	32
KBJD24.2438	1".7/8	38

**UNIÃO
PASSA-PAREDES JIC**
STRAIGHT
BULKHEAD
ADAPTOR
MALE JIC - MALE JIC



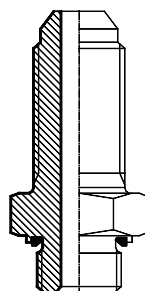
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJD32.04	7/16"	7/16"
KBJD32.05	1/2"	1/2"
KBJD32.06	9/16"	9/16"
KBJD32.08	3/4"	3/4"
KBJD32.10	7/8"	7/8"
KBJD32.12	1".1/16	1".1/16
KBJD32.16	1".5/16	1".5/16
KBJD32.20	1".5/8	1".5/8
KBJD32.24	1".7/8	1".7/8

**UNIÃO
PASSA-PAREDES
JIC - FÊMEA FIXA NPT
STRAIGHT BULKHEAD
ADAPTOR MALE JIC
FIXED FEMALE NPT**



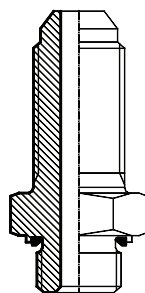
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJD46.0402	7/16"	1/8"
KBJD46.0404	7/16"	1/4"
KBJD46.0502	1/2"	1/8"
KBJD46.0504	1/2"	1/4"
KBJD46.0602	9/16"	1/8"
KBJD46.0604	9/16"	1/4"
KBJD46.0606	9/16"	3/8"
KBJD46.0804	3/4"	1/4"
KBJD46.0806	3/4"	3/8"
KBJD46.0808	3/4"	1/2"
KBJD46.1008	7/8"	1/2"
KBJD46.1208	1".1/16	1/2"
KBJD46.1212	1".1/16	3/4"
KBJD46.1616	1".5/16	1"
KBJD46.2020	1".5/8	1".1/4
KBJD46.2424	1".7/8	1".1/2

**UNIÃO
PASSA-PAREDES
JIC - MACHO BSPP
LONG CONNECTOR
MALE JIC - MALE BSPP
FORM E**



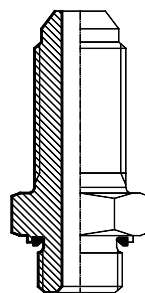
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJD48.0402	7/16"	1/8"
KBJD48.0404	7/16"	1/4"
KBJD48.0502	1/2"	1/8"
KBJD48.0504	1/2"	1/4"
KBJD48.0506	1/2"	3/8"
KBJD48.0604	9/16"	1/4"
KBJD48.0606	9/16"	3/8"
KBJD48.0608	9/16"	1/2"
KBJD48.0804	3/4"	1/4"
KBJD48.0806	3/4"	3/8"
KBJD48.0808	3/4"	1/2"
KBJD48.1006	7/8"	3/8"
KBJD48.1008	7/8"	1/2"
KBJD48.1012	7/8"	3/4"
KBJD48.1208	1".1/16	1/2"
KBJD48.1212	1".1/16	3/4"
KBJD48.1216	1".1/16	1"
KBJD48.1612	1".5/16	3/4"
KBJD48.1616	1".5/16	1"
KBJD48.1620	1".5/16	1".1/4
KBJD48.2016	1".5/8	1"
KBJD48.2020	1".5/8	1".1/4
KBJD48.2420	1".7/8	1".1/4
KBJD48.2424	1".7/8	1".1/2

**UNIÃO
PASSA-PAREDES
JIC - MACHO BSP
CONE 60°
ADAPTOR
MALE JIC - MALE BSPP
WITH 60° CONE**



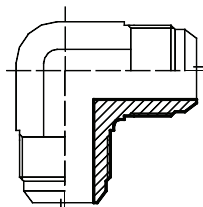
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJD50.0402	7/16"	1/8"
KBJD50.0404	7/16"	1/4"
KBJD50.0502	1/2"	1/8"
KBJD50.0504	1/2"	1/4"
KBJD50.0506	1/2"	3/8"
KBJD50.0604	9/16"	1/4"
KBJD50.0606	9/16"	3/8"
KBJD50.0608	9/16"	1/2"
KBJD50.0804	3/4"	1/4"
KBJD50.0806	3/4"	3/8"
KBJD50.0808	3/4"	1/2"
KBJD50.1006	7/8"	3/8"
KBJD50.1008	7/8"	1/2"
KBJD50.1012	7/8"	3/4"
KBJD50.1208	1".1/16	1/2"
KBJD50.1212	1".1/16	3/4"
KBJD50.1216	1".1/16	1"
KBJD50.1612	1".5/16	3/4"
KBJD50.1616	1".5/16	1"
KBJD50.1620	1".5/16	1".1/4
KBJD50.2016	1".5/8	1"
KBJD50.2020	1".5/8	1".1/4
KBJD50.2420	1".7/8	1".1/4
KBJD50.2424	1".7/8	1".1/2

**UNIÃO
PASSA-PAREDES
JIC - MACHO MÉTRICO
LONG CONNECTOR
MALE JIC - METRIC
MALE FORM E**

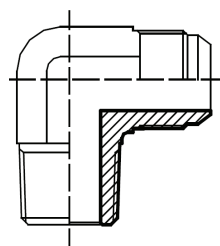


CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJD52.0410	7/16"	10X1
KBJD52.0510	1/2"	10X1
KBJD52.0512	1/2"	12X1.5
KBJD52.0514	1/2"	14X1.5
KBJD52.0614	9/16"	14X1.5
KBJD52.0616	9/16"	16X1.5
KBJD52.0816	3/4"	16X1.5
KBJD52.0818	3/4"	18X1.5
KBJD52.1018	7/8"	18X1.5
KBJD52.1022	7/8"	22X1.5
KBJD52.1222	1".1/16	22X1.5
KBJD52.1227	1".1/16	27X2
KBJD52.1627	1".5/16	27X2
KBJD52.1633	1".5/16	33X2
KBJD52.2042	1".5/8	42X2
KBJD52.2448	1".7/8	48X2

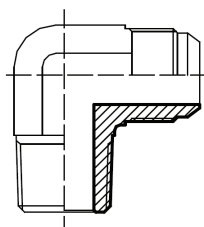
JIC

JOELHO MACHO JIC
90° ADAPTOR MALE
JIC
CÓDIGO
CODE
 TUBO
HOSE
 ROSCA
THREAD

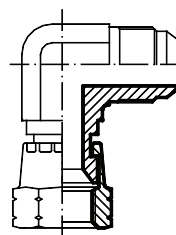
KBJN10.04	7/16"	7/16"
KBJN10.05	1/2"	1/2"
KBJN10.06	9/16"	9/16"
KBJN10.08	3/4"	3/4"
KBJN10.10	7/8"	7/8"
KBJN10.12	1".1/16	1".1/16
KBJN10.16	1".5/16	1".5/16
KBJN10.20	1".5/8	1".5/8
KBJN10.24	1".7/8	1".7/8

JOELHO MACHO JIC -
MACHO BSPT
90° ADAPTOR MALE
JIC - MALE BSPT
CÓDIGO
CODE
 TUBO
HOSE
 ROSCA
THREAD

KBJN20.0402	7/16"	1/8"
KBJN20.0404	7/16"	1/4"
KBJN20.0502	1/2"	1/8"
KBJN20.0504	1/2"	1/4"
KBJN20.0602	9/16"	1/8"
KBJN20.0604	9/16"	1/4"
KBJN20.0606	9/16"	3/8"
KBJN20.0608	9/16"	1/2"
KBJN20.0804	3/4"	1/4"
KBJN20.0806	3/4"	3/8"
KBJN20.0808	3/4"	1/2"
KBJN20.0812	3/4"	3/4"
KBJN20.1006	7/8"	3/8"
KBJN20.1008	7/8"	1/2"
KBJN20.1012	7/8"	3/4"
KBJN20.1208	1".1/16	1/2"
KBJN20.1212	1".1/16	3/4"
KBJN20.1216	1".1/16	1"
KBJN20.1612	1".5/16	3/4"
KBJN20.1616	1".5/16	1"
KBJN20.2016	1".5/8	1"
KBJN20.2020	1".5/8	1".1/4

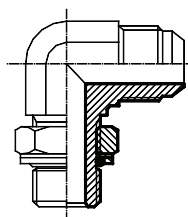
JOELHO MACHO JIC -
MACHO NPT
90° ADAPTOR MALE
JIC - MALE NPT
CÓDIGO
CODE
 TUBO
HOSE
 ROSCA
THREAD

KBJN22.0402	7/16"	1/8"
KBJN22.0404	7/16"	1/4"
KBJN22.0502	1/2"	1/8"
KBJN22.0504	1/2"	1/4"
KBJN22.0602	9/16"	1/8"
KBJN22.0604	9/16"	1/4"
KBJN22.0606	9/16"	3/8"
KBJN22.0608	9/16"	1/2"
KBJN22.0804	3/4"	1/4"
KBJN22.0806	3/4"	3/8"
KBJN22.0808	3/4"	1/2"
KBJN22.0812	3/4"	3/4"
KBJN22.1006	7/8"	3/8"
KBJN22.1008	7/8"	1/2"
KBJN22.1012	7/8"	3/4"
KBJN22.1208	1".1/16	1/2"
KBJN22.1212	1".1/16	3/4"
KBJN22.1216	1".1/16	1"
KBJN22.1612	1".5/16	3/4"
KBJN22.1616	1".5/16	1"
KBJN22.2016	1".5/8	1"
KBJN22.2020	1".5/8	1".1/4

JOELHO MACHO
FÊMEA JIC
90° ADAPTOR MALE
JIC - SWIVEL FEMALE
JIC
CÓDIGO
CODE
 TUBO
HOSE
 ROSCA
THREAD

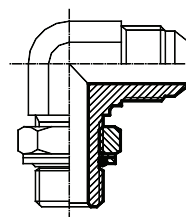
KBJN12.04	7/16"	7/16"
KBJN12.05	1/2"	1/2"
KBJN12.06	9/16"	9/16"
KBJN12.08	3/4"	3/4"
KBJN12.10	7/8"	7/8"
KBJN12.12	1".1/16	1".1/16
KBJN12.16	1".5/16	1".5/16
KBJN12.20	1".5/8	1".5/8

**JOELHO
MACHO JIC - MACHO
BSPP ORIENTÁVEL**
90° ADJUSTABLE
ADAPTOR
MALE JIC - MALE BSPP
WITH O-RING AND
RETAINING SEA



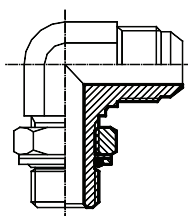
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJN18.0204	7/16"	1/8"
KBJN18.0404	7/16"	1/4"
KBJN18.0604	7/16"	3/8"
KBJN18.0205	1/2"	1/8"
KBJN18.0405	1/2"	1/4"
KBJN18.0605	1/2"	3/8"
KBJN18.0206	9/16"	1/8"
KBJN18.0406	9/16"	1/4"
KBJN18.0606	9/16"	3/8"
KBJN18.0806	9/16"	1/2"
KBJN18.0408	3/4"	1/4"
KBJN18.0608	3/4"	3/8"
KBJN18.0808	3/4"	1/2"
KBJN18.0208	3/4"	3/4"
KBJN18.0610	7/8"	3/8"
KBJN18.0810	7/8"	1/2"
KBJN18.1210	7/8"	3/4"
KBJN18.0812	1".1/16	1/2"
KBJN18.1212	1".1/16	3/4"
KBJN18.1612	1".1/16	1"
KBJN18.1216	1".5/16	3/4"
KBJN18.1616	1".5/16	1"
KBJN18.2016	1".5/16	1.1/4"
KBJN18.1620	1".5/8	1"
KBJN18.2020	1".5/8	1".1/4

**JOELHO
MACHO JIC - MACHO
UNF ORIENTÁVEL**
90° ADJUSTABLE
ADAPTOR
MALE JIC - MALE UNF



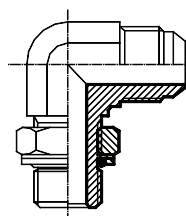
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
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KBJN16.0606	9/16"	9/16"
KBJN16.0808	3/4"	3/4"
KBJN16.1010	7/8"	7/8"
KBJN16.1212	1".1/16	1".1/16
KBJN16.1616	1".5/16	1".5/16
KBJN16.2020	1".5/8	1".5/8

**JOELHO MACHO
JIC - MACHO UNF
ORIENTÁVEL**
90° ADJUSTABLE
ADAPTOR MALE
JIC - METRIC MALE
WITH O-RING



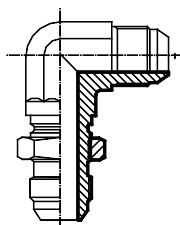
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJN17.0405	7/16"	1/2"
KBJN17.0406	7/16"	9/16"
KBJN17.0608	9/16"	3/4"
KBJN17.0810	3/4"	7/8"
KBJN17.0812	3/4"	1.1"/16
KBJN17.1008	7/8"	3/4"
KBJN17.1012	7/8"	1".1/16
KBJN17.1208	1".1/16	3/4"
KBJN17.1210	1".1/16	7/8"
KBJN17.1216	1".1/16	1".5/16
KBJN17.1612	1".5/16	1".1/16
KBJN17.1620	1".5/16	1".5/8

**JOELHO MACHO
JIC - MACHO MÉTRICO
ORIENTÁVEL**
90° ADJUSTABLE
ADAPTOR
MALE JIC - MALE
METRIC



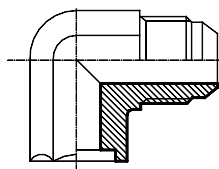
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJN20.0410	7/16"	10X1
KBJN20.0412	7/16"	12X1,5
KBJN20.0510	1/2"	10X1
KBJN20.0512	1/2"	12X1,5
KBJN20.0514	1/2"	14X1,5
KBJN20.0614	9/16"	14X1,5
KBJN20.0616	9/16"	16X1,5
KBJN20.0816	3/4"	16X1,5
KBJN20.0818	3/4"	18X1,5
KBJN20.1018	7/8"	18X1,5
KBJN20.1022	7/8"	22X1,5
KBJN20.1222	1".1/16	22X1,5
KBJN20.1227	1".1/16	27X2
KBJN20.1627	1".5/16	27X2
KBJN20.1633	1".5/16	33X2
KBJN20.1612	1".5/8	42X2

JIC

**JOELHO JIC
PASSA-PAREDES
90° BULKHEAD JIC**


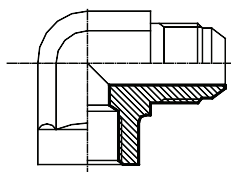
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
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KBJN22.0204	7/16"	7/16"
KBJN22.0404	1/2"	1/2"
KBJN22.0604	9/16"	9/16"
KBJN22.0205	3/4"	3/4"
KBJN22.0405	7/8"	7/8"
KBJN22.0605	1".1/16	1".1/16
KBJN22.0206	1".5/16	1".5/16
KBJN22.0406	1".5/8	1".5/8

**JOELHO
MACHO JIC FÊMEA
FIXA BSPP
90° ADAPTOR
MALE JIC - FIXED
FEMALE BSPP**


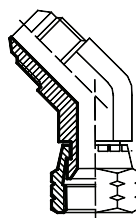
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
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KBJN24.0402	7/16"	1/8"
KBJN24.0404	7/16"	1/4"
KBJN24.0502	1/2"	1/8"
KBJN24.0504	1/2"	1/4"
KBJN24.0602	9/16"	1/8"
KBJN24.0604	9/16"	1/4"
KBJN24.0606	9/16"	3/8"
KBJN24.0804	3/4"	1/4"
KBJN24.0806	3/4"	3/8"
KBJN24.1008	7/8"	1/2"
KBJN24.1208	1".1/16	1/2"
KBJN24.1212	1".1/16	3/4"
KBJN24.1616	1".5/16	1"
KBJN24.2016	1".5/8	1"

**JOELHO
MACHO JIC - FÊMEA
FIXA NPT
90° ADAPTOR MALE
JIC - FIXED FEMALE
NPT**


CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
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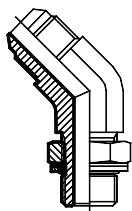
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KBJN26.0404	7/16"	1/4"
KBJN26.0502	1/2"	1/8"
KBJN26.0504	1/2"	1/4"
KBJN26.0602	9/16"	1/8"
KBJN26.0604	9/16"	1/4"
KBJN26.0606	9/16"	3/8"
KBJN26.0804	3/4"	1/4"
KBJN26.0806	3/4"	3/8"
KBJN24.1008	7/8"	1/2"
KBJN26.1208	1".1/16	1/2"
KBJN24.1212	1".1/16	3/4"
KBJN26.1616	1".5/16	1"
KBJN26.2016	1".5/8	1"

**JOELHO 45° MACHO
JIC - FÊMEA JIC
45° ADAPTOR MALE
JIC - SWIVEL FEMALE
JIC**


CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
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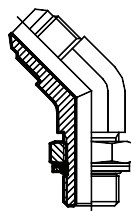
KBJQ12.04	7/16"	7/16"
KBJQ12.05	1/2"	1/2"
KBJQ12.06	9/16"	9/16"
KBJQ12.08	3/4"	3/4"
KBJQ12.10	7/8"	7/8"
KBJQ12.12	1".1/16	1".1/16
KBJQ12.16	1".5/16	1".5/16
KBJQ12.20	1".5/8	1".5/8
KBJQ12.24	1".7/8	1".7/8

**JOELHO 45° MACHO
JIC - MACHO BSPP
ORIENTÁVEL**
45° ADJUSTABLE
ADAPTOR MALE
JIC - MALE BSPP WITH
O-RING AND
RETAINING SEA



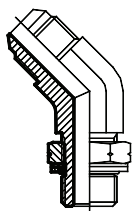
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJQ10.0204	7/16"	1/8"
KBJQ10.0404	7/16"	1/4"
KBJQ10.0604	7/16"	3/8"
KBJQ10.0804	7/16"	1/2"
KBJQ10.0205	1/2"	1/8"
KBJQ10.0405	1/2"	1/4"
KBJQ10.0605	1/2"	3/8"
KBJQ10.0406	9/16"	1/4"
KBJQ10.0606	9/16"	3/8"
KBJQ10.0806	9/16"	1/2"
KBJQ10.0408	3/4"	1/4"
KBJQ10.0608	3/4"	3/8"
KBJQ10.0808	3/4"	1/2"
KBJQ10.1208	3/4"	3/4"
KBJQ10.0610	7/8"	3/8"
KBJQ10.0810	7/8"	1/2"
KBJQ10.1210	7/8"	3/4"
KBJQ10.0812	1".1/16	1/2"
KBJQ10.1212	1".1/16	3/4"
KBJQ10.1612	1".1/16	1"
KBJQ10.1216	1".5/16	3/4"
KBJQ10.1616	1".5/16	1"
KBJQ10.2016	1".5/16	1".1/4
KBJQ10.1620	1".5/8	1"
KBJQ10.2020	1".5/8	1".1/4

**JOELHO 45° MACHO
JIC - MACHO UNF
ORIENTÁVEL**
45° ADJUSTABLE
ADAPTOR
MALE JIC - MALE UNF
WITH O-RING AND
RETAINING SEA



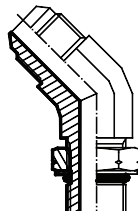
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJQ11.0404	7/16"	7/16"
KBJQ11.0505	1/2"	1/2"
KBJQ11.0606	9/16"	9/16"
KBJQ11.0808	3/4"	3/4"
KBJQ11.1010	7/8"	7/8"
KBJQ11.1212	1".1/16	1".1/16
KBJQ11.1616	1".5/16	1".5/16
KBJQ11.2020	1".5/8	1".5/8

**JOELHO 45°
MACHO JIC - MACHO
MÉTRICO
ORIENTÁVEL**
45° ADJUSTABLE
ADAPTOR
MALE JIC - METRIC
MALE WITH O-RING



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJQ18.0410	7/16"	10X1
KBJQ18.0412	7/16"	12X1,5
KBJQ18.0510	1/2"	10X1
KBJQ18.0512	1/2"	12X1,5
KBJQ18.0514	1/2"	14X1,5
KBJQ18.0614	9/16"	14X1,5
KBJQ18.0616	9/16"	16X1,5
KBJQ18.0816	3/4"	16X1,5
KBJQ18.0818	3/4"	18X1,5
KBJQ18.1018	7/8"	18X1,5
KBJQ18.1022	7/8"	22X1,5
KBJQ18.1222	1".1/16	22X1,5
KBJQ18.1227	1".1/16	27X2
KBJQ18.1627	1".5/16	27X2
KBJQ18.1633	1".5/16	33X2
KBJQ18.2042	1".5/8	42X2

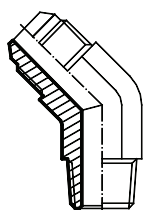
**JOELHO 45° MACHO
JIC - MACHO UNF
ORIENTÁVEL**
45° ADJUSTABLE
ADAPTOR MALE
JIC - MALE UNF /
O-RING AND
RETAINING SEA



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJQ16.0405	7/16"	1/2"
KBJQ16.0406	7/16"	9/16"
KBJQ16.0608	9/16"	3/4"
KBJQ16.0810	3/4"	7/8"
KBJQ16.0812	3/4"	1".1/16
KBJQ16.1008	7/8"	3/4"
KBJQ16.1012	7/8"	1".1/16
KBJQ16.1208	1".1/16	3/4"
KBJQ16.1210	1".1/16	7/8"
KBJQ16.1216	1".1/16	1".5/16
KBJQ16.1612	1".5/16	1".1/16
KBJQ16.1620	1".5/16	1".5/8

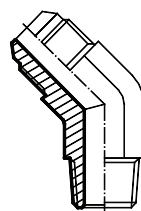
JIC

JOELHO 45° MACHO
JIC - MACHO BSPT
 45° ADJUSTABLE
 ADAPTOR
 MALE JIC - MALE BSPT



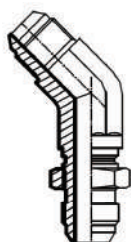
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBjq14.0402	7/16"	1/8"
KBjq14.0404	7/16"	1/4"
KBjq14.0406	7/16"	3/8"
KBjq14.0408	7/16"	1/2"
KBjq14.0502	1/2"	1/8"
KBjq14.0504	1/2"	1/4"
KBjq14.0506	1/2"	3/8"
KBjq14.0604	9/16"	1/4"
KBjq14.0606	9/16"	3/8"
KBjq14.0608	9/16"	1/2"
KBjq14.0804	3/4"	1/4"
KBjq14.0806	3/4"	3/8"
KBjq14.0808	3/4"	1/2"
KBjq14.0812	3/4"	3/4"
KBjq14.1006	7/8"	3/8"
KBjq14.1008	7/8"	1/2"
KBjq14.1012	7/8"	3/4"
KBjq14.1208	1".1/16	1/2"
KBjq14.1212	1".1/16	3/4"
KBjq14.1216	1".1/16	1"
KBjq14.1612	1".5/16	3/4"
KBjq14.1616	1".5/16	1"
KBjq14.2016	1".5/8	1"
KBjq14.2020	1".5/8	1".1/4

JOELHO 45° MACHO
JIC - MACHO NPT
 45° ADJUSTABLE
 ADAPTOR
 MALE JIC - MALE NPT



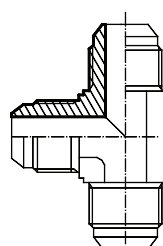
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBjq15.0402	7/16"	1/8"
KBjq15.0404	7/16"	1/4"
KBjq15.0406	7/16"	3/8"
KBjq15.0408	7/16"	1/2"
KBjq15.0502	1/2"	1/8"
KBjq15.0504	1/2"	1/4"
KBjq15.0506	1/2"	3/8"
KBjq15.0604	9/16"	1/4"
KBjq15.0606	9/16"	3/8"
KBjq15.0608	9/16"	1/2"
KBjq15.0804	3/4"	1/4"
KBjq15.0806	3/4"	3/8"
KBjq15.0808	3/4"	1/2"
KBjq15.0812	3/4"	3/4"
KBjq15.1006	7/8"	3/8"
KBjq15.1008	7/8"	1/2"
KBjq15.1012	7/8"	3/4"
KBjq15.1208	1".1/16	1/2"
KBjq15.1212	1".1/16	3/4"
KBjq15.1216	1".1/16	1"
KBjq15.1612	1".5/16	3/4"
KBjq15.1616	1".5/16	1"
KBjq15.2016	1".5/8	1"
KBjq15.2020	1".5/8	1".1/4

JOELHO 45°
PASSA-PAREDES
 45° BULKHEAD
 ADAPTOR
 MALE JIC - MALE JIC



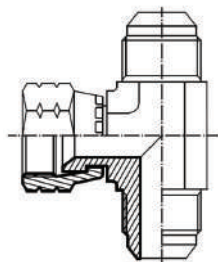
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBjq20.04	7/16"	7/16"
KBjq20.05	1/2"	1/2"
KBjq20.06	9/16"	9/16"
KBjq20.08	3/4"	3/4"
KBjq20.10	7/8"	7/8"
KBjq20.12	1".1/16	1".1/16
KBjq20.16	1".5/16	1".5/16
KBjq20.20	1".5/8	1".5/8

T MACHO JIC
"T" MALE ADAPTOR
 JIC



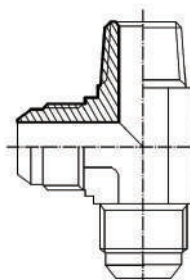
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBGT10.04	7/16"	14
KBGT10.05	1/2"	14
KBGT10.06	9/16"	14
KBGT10.08	3/4"	19
KBGT10.10	7/8"	22
KBGT10.12	1".1/16	27
KBGT10.16	1".5/16	33
KBGT10.20	1".5/8	41

T JIC MxFxM
GIRATÓRIA CENTRAL
 BRANCH "T"
 MALE JIC - SWIVEL
 FEMALE JIC



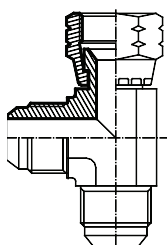
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT16.0402	7/16"	1/8"
KBJT16.0404	7/16"	1/4"
KBJT16.0502	1/2"	1/8"
KBJT16.0504	1/2"	1/4"
KBJT16.0604	9/16"	1/4"
KBJT16.0606	9/16"	3/8"
KBJT16.0806	3/4"	3/8"
KBJT16.0808	3/4"	1/2"
KBJT16.1006	7/8"	3/8"
KBJT16.1008	7/8"	1/2"
KBJT16.1012	7/8"	3/4"
KBJT16.1208	1".1/16	1/2"
KBJT16.1212	1".1/16	3/4"
KBJT16.1612	1".5/16	3/4"
KBJT16.1616	1".5/16	1"
KBJT16.2016	1".5/8	1"
KBJT16.2020	1".5/8	1".1/4

T MACHO JIC -
MACHO BSPT
LATERAL
 RUN "T"
 MALE JIC - MALE BSPT



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT17.0402	7/16"	1/8"
KBJT17.0404	7/16"	1/4"
KBJT17.0502	1/2"	1/8"
KBJT17.0504	1/2"	1/4"
KBJT17.0604	9/16"	1/4"
KBJT17.0606	9/16"	3/8"
KBJT17.0806	3/4"	3/8"
KBJT17.0808	3/4"	1/2"
KBJT17.1006	7/8"	3/8"
KBJT17.1008	7/8"	1/2"
KBJT17.1012	7/8"	3/4"
KBJT17.1208	1".1/16	1/2"
KBJT17.1212	1".1/16	3/4"
KBJT17.1612	1".5/16	3/4"
KBJT17.1616	1".5/16	1"
KBJT17.2016	1".5/8	1"
KBJT17.2020	1".5/8	1".1/4

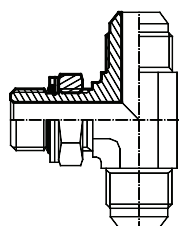
T JIC FÊMEA
GIRATÓRIA LATERAL
 BRANCH "T"
 MALE JIC - SWIVEL
 FEMALE JIC



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT18.04	7/16"	7/16"
KBJT18.05	1/2"	1/2"
KBJT18.06	9/16"	9/16"
KBJT18.08	3/4"	3/4"
KBJT18.10	7/8"	7/8"
KBJT18.12	1".1/16	1".1/16
KBJT18.16	1".5/16	1".5/16
KBJT18.20	1".5/8	1".5/8

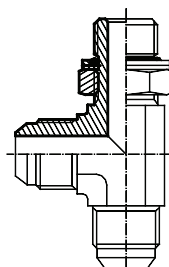
JIC

**T JIC - MACHO
CENTRAL - UNF
ORIENTÁVEL**
ADJUSTABLE BRANCH
"T" MALE JIC - MALE
UNF



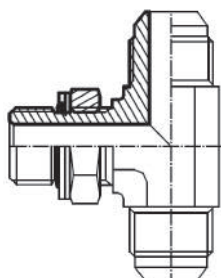
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT14.0402	7/16"	11/8"
KBJT14.0404	7/16"	1/4"
KBJT14.0406	7/16"	3/8"
KBJT14.0408	7/16"	1/2"
KBJT14.0502	1/2"	1/8"
KBJT14.0504	1/2"	1/4"
KBJT14.0506	1/2"	3/8"
KBJT14.0604	9/16"	1/4"
KBJT14.0606	9/16"	3/8"
KBJT14.0608	9/16"	1/2"
KBJT14.0804	3/4"	1/4"
KBJT14.0806	3/4"	3/8"
KBJT14.0808	3/4"	1/2"
KBJT14.0812	3/4"	3/4"
KBJT14.1016	7/8"	3/8"
KBJT14.1008	7/8"	1/2"
KBJT14.1212	7/8"	3/4"
KBJT14.1208	1".1/16	1/2"
KBJT14.1212	1".1/16	3/4"
KBJT14.1216	1".1/16	1"
KBJT14.1612	1".5/16	3/4"
KBJT14.1616	1".5/16	1"
KBJT14.1620	1".5/16	1".1/4
KBJT14.2016	1".5/8	1"
KBJT14.2020	1".5/8	1".1/4

**T JIC - MACHO
LATERAL - BSP
ORIENTÁVEL**
RUN "T" MALE JIC -
MALE BSPP / ORING
AND RETAINING SEAL



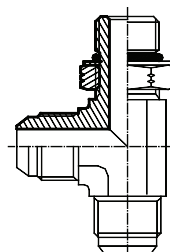
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT20.0402	7/16"	11/8"
KBJT20.0404	7/16"	1/4"
KBJT20.0406	7/16"	3/8"
KBJT20.0408	7/16"	1/2"
KBJT20.0502	1/2"	1/8"
KBJT20.0504	1/2"	1/4"
KBJT20.0506	1/2"	3/8"
KBJT20.0604	9/16"	1/4"
KBJT20.0606	9/16"	3/8"
KBJT20.0608	9/16"	1/2"
KBJT20.0804	3/4"	1/4"
KBJT20.0806	3/4"	3/8"
KBJT20.0808	3/4"	1/2"
KBJT20.0812	3/4"	3/4"
KBJT20.1016	7/8"	3/8"
KBJT20.1008	7/8"	1/2"
KBJT20.1212	7/8"	3/4"
KBJT20.1208	1".1/16	1/2"
KBJT20.1212	1".1/16	3/4"
KBJT20.1216	1".1/16	1"
KBJT20.1612	1".5/16	3/4"
KBJT20.1616	1".5/16	1"
KBJT20.1620	1".5/16	1".1/4
KBJT20.2016	1".5/8	1"
KBJT20.2020	1".5/8	1".1/4

**T JIC - MACHO
CENTRAL - UNF
ORIENTÁVEL**
ADJUSTABLE BRANCH
"T" MALE JIC - MALE
UNF



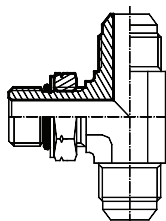
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT26.0404	7/16"	7/16"
KBJT26.0405	7/16"	1/2"
KBJT26.0406	7/16"	9/16"
KBJT26.0505	1/2"	1/2"
KBJT26.0606	9/16"	9/16"
KBJT26.0608	9/16"	3/4"
KBJT26.0808	3/4"	3/4"
KBJT26.0810	3/4"	7/8"
KBJT26.0812	3/4"	1".1/16
KBJT26.1008	7/8"	3/4"
KBJT26.1010	7/8"	7/8"
KBJT26.1012	7/8"	1".1/16
KBJT26.1208	1".1/16	3/4"
KBJT26.1210	1".1/16	7/8"
KBJT26.1212	1".1/16	1".1/16
KBJT26.1216	1".1/16	1".5/16
KBJT26.1612	1".5/16	1".1/16
KBJT26.1616	1".5/16	1".5/16
KBJT26.1620	1".5/16	1".5/8
KBJT26.2020	1".5/8	1".5/8

**T JIC - MACHO
LATERAL - UNF
ORIENTÁVEL**
ADJUSTABLE RUN "T"
MALE JIC -
MALE UNF



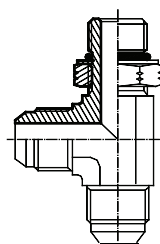
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT28.0404	7/16"	7/16"
KBJT28.0405	7/16"	1/2"
KBJT28.0406	7/16"	9/16"
KBJT28.0505	1/2"	1/2"
KBJT28.0606	9/16"	9/16"
KBJT28.0608	9/16"	3/4"
KBJT28.0808	3/4"	3/4"
KBJT28.0810	3/4"	7/8"
KBJT28.0812	3/4"	1".1/16
KBJT28.1008	7/8"	3/4"
KBJT28.1010	7/8"	7/8"
KBJT28.1012	7/8"	1".1/16
KBJT28.1208	1".1/16	3/4"
KBJT28.1210	1".1/16	7/8"
KBJT28.1212	1".1/16	1".1/16
KBJT28.1216	1".1/16	1".5/16
KBJT28.1612	1".5/16	1".1/16
KBJT28.1616	1".5/16	1".5/16
KBJT28.1620	1".5/16	1".5/8
KBJT28.2020	1".5/8	1".5/8

**T JIC - MACHO
CENTRAL MÉTRICO
ORIENTÁVEL**
ADJUSTABLE BRANCH
"T" MALE JIC -
METRIC MALE WITH
O-RING



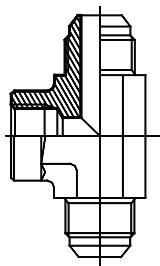
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT30.0410	7/16"	10X1
KBJT30.0412	7/16"	12X1,5
KBJT30.0510	1/2"	10X1
KBJT30.0512	1/2"	12X1,5
KBJT30.0514	1/2"	14X1,5
KBJT30.0614	9/16"	14X1,5
KBJT30.0616	9/16"	16X1,5
KBJT30.0816	3/4"	16X1,5
KBJT30.0818	3/4"	18X1,5
KBJT30.1018	7/8"	18X1,5
KBJT30.1020	7/8"	20X1,5
KBJT30.1022	7/8"	22X1,5
KBJT30.1222	1".1/16	22X1,5
KBJT30.1227	1".1/16	27X2
KBJT30.1627	1".5/16	27X2
KBJT30.1633	1".5/16	33X2
KBJT30.2042	1".5/8	42X2

**T JIC - MACHO
LATERAL MÉTRICO
ORIENTÁVEL**
ADJUSTABLE RUN "T"
MALE JIC - METRIC
MALE / O-RING AND
RETAINING SEAL



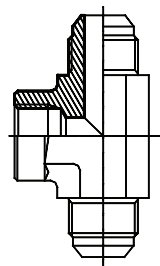
CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT32.0410	7/16"	10X1
KBJT32.0412	7/16"	12X1,5
KBJT32.0510	1/2"	10X1
KBJT32.0512	1/2"	12X1,5
KBJT32.0514	1/2"	14X1,5
KBJT32.0614	9/16"	14X1,5
KBJT32.0616	9/16"	16X1,5
KBJT32.0816	3/4"	16X1,5
KBJT32.0818	3/4"	18X1,5
KBJT32.1018	7/8"	18X1,5
KBJT32.1020	7/8"	20X1,5
KBJT32.1022	7/8"	22X1,5
KBJT32.1222	1".1/16	22X1,5
KBJT32.1227	1".1/16	27X2
KBJT32.1627	1".5/16	27X2
KBJT32.1633	1".5/16	33X2
KBJT32.2042	1".5/8	42X2

**T MxMxFÊMEA
JIC CENTRAL FIXA**
ADJUSTABLE BRANCH
"T" MALE JIC -
METRIC MALE /
O-RING AND
RETAINING SEAL



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT34.0402	7/16"	1/8"
KBJT34.0404	7/16"	1/4"
KBJT34.0406	7/16"	3/8"
KBJT34.0502	1/2"	1/8"
KBJT34.0504	1/2"	1/4"
KBJT34.0604	9/16"	1/4"
KBJT34.0606	9/16"	3/8"
KBJT34.0808	3/4"	1/4"
KBJT34.0806	3/4"	3/8"
KBJT34.0808	3/4"	1/2"
KBJT34.1008	7/8"	1/2"
KBJT34.1208	1".1/16	1/2"
KBJT34.1212	1".1/16	3/4"
KBJT34.1616	1".5/16	1"
KBJT34.2016	1".5/8	1"

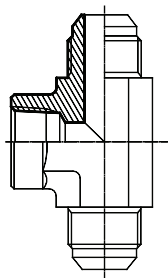
**T MxMxFÊMEA
JIC CENTRAL FIXA**
BRANCH "T" MALE
JIC - FIXED FEMALE
BSP



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT36.0402	7/16"	1/8"
KBJT36.0404	7/16"	1/4"
KBJT36.0406	7/16"	3/8"
KBJT36.0502	1/2"	1/8"
KBJT36.0504	1/2"	1/4"
KBJT36.0604	9/16"	1/4"
KBJT36.0606	9/16"	3/8"
KBJT36.0808	3/4"	1/4"
KBJT36.0806	3/4"	3/8"
KBJT36.0808	3/4"	1/2"
KBJT36.1008	7/8"	1/2"
KBJT36.1208	1".1/16	1/2"
KBJT36.1212	1".1/16	3/4"
KBJT36.1616	1".5/16	1"
KBJT36.2016	1".5/8	1"

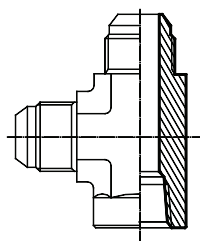
JIC

**T MxM JIC - FÊMEA
NPT CENTRAL FIXA
BRANCH "T" MALE
JIC - FIXED FEMALE
NPT**



CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT38.0402	7/16"	1/8"
KBJT38.0404	7/16"	1/4"
KBJT38.0406	7/16"	3/8"
KBJT38.0502	1/2"	1/8"
KBJT38.0504	1/2"	1/4"
KBJT38.0604	9/16"	1/4"
KBJT38.0606	9/16"	3/8"
KBJT38.0808	3/4"	1/4"
KBJT38.0806	3/4"	3/8"
KBJT38.0808	3/4"	1/2"
KBJT38.1008	7/8"	1/2"
KBJT38.1208	1".1/16	1/2"
KBJT38.1212	1".1/16	3/4"
KBJT38.1616	1".5/16	1"
KBJT38.2016	1".5/8	1"

**T MxM JIC - FÊMEA
JIC LATERAL FIXA
RUN "T" MALE JIC -
FIXED FEMALE BSPP**

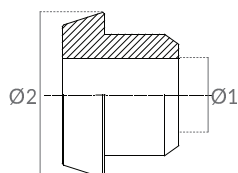
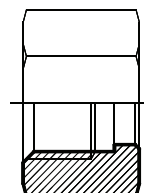


CÓDIGO CODE	TUBO HOSE	ROSCA THREAD
KBJT40.0402	7/16"	1/8"
KBJT40.0404	7/16"	1/4"
KBJT40.0406	7/16"	3/8"
KBJT40.0502	1/2"	1/8"
KBJT40.0504	1/2"	1/4"
KBJT40.0604	9/16"	1/4"
KBJT40.0606	9/16"	3/8"
KBJT40.0808	3/4"	1/4"
KBJT40.0806	3/4"	3/8"
KBJT40.0808	3/4"	1/2"
KBJT40.1008	7/8"	1/2"
KBJT40.1208	1".1/16	1/2"
KBJT40.1212	1".1/16	3/4"
KBJT40.1616	1".5/16	1"
KBJT40.2016	1".5/8	1"

ORFS • ORFS

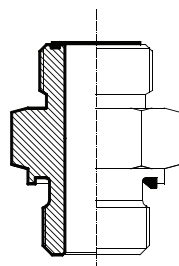


ORFS

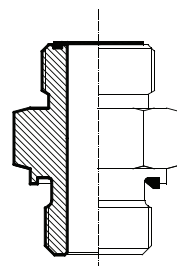
ANEL
BUSHCÓDIGO
CODEDIAM1
Ø1DIAM2
Ø2PORCA ORFS
ORFS NUTCÓDIGO
CODEROSCA
THREADROSCA
THREAD

KBOD04.06	1/4	6
KBOD04.08	5/16	8
KBOD04.10	3/8	10
KBOD04.12	1/2	12
KBOD04.14	-	14
KBOD04.15	-	15
KBOD04.16	5/8	16
KBOD04.18		18
KBOD04.20	3/4	20
KBOD04.22	7/8	22
KBOD04.25	1	25
KBOD04.28	-	28
KBOD04.30	1.1/4	30
KBOD04.32	-	32
KBOD04.35	-	35
KBOD04.38	1.1/2	38

KBOD06.06	9/16"	17
KBOD06.08	11/16"	22
KBOD04.10	13/16"	24
KBOD04.12	1"	30
KBOD04.14	1.3/16"	36
KBOD04.15	1.7/16"	41
KBOD04.16	1.11/16"	50
KBOD04.18	2"	60

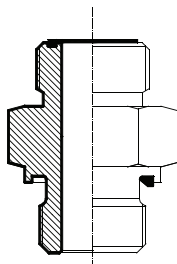
UNIÃO MACHO ORFS
- MACHO BSPP
ADAPTOR MALE ORFS
- MALE BSPP FORM ECÓDIGO
CODEROSCA
THREADROSCA
THREAD

KBOD14.0402	9/16"	1/8"
KBOD14.0604	11/16"	1/4"
KBOD14.0806	13/16"	3/8"
KBOD14.1008	1"	1/2"
KBOD14.1212	1.3/16"	3/4"
KBOD14.1616	1.7/16"	1"
KBOD14.2020	1.11/16"	1.1/4"
KBOD14.2424	2"	1.1/2"
KBOD14.0404	9/16"	1/4"
KBOD14.0406	9/16"	3/8"
KBOD14.0408	9/16"	1/2"
KBOD14.0602	11/16"	1/8"
KBOD14.0606	11/16"	3/8"
KBOD14.0608	11/16"	1/2"
KBOD14.0612	11/16"	3/4"
KBOD14.0804	1.3/16"	1/4"
KBOD14.0808	1.3/16"	1/2"
KBOD14.0812	1.3/16"	3/4"
KBOD14.1004	1"	1/4"
KBOD14.1006	1"	3/8"
KBOD14.1012	1"	3/4"
KBOD14.1016	1"	1"
KBOD14.1204	1.3/16"	1/4"
KBOD14.1208	1.3/16"	1/2"
KBOD14.1216	1.3/16"	1"
KBOD14.1220	1.3/16"	1.1/4"
KBOD14.1604	1.7/16"	1/4"
KBOD14.1606	1.7/16"	3/4"
KBOD14.1620	1.7/16"	1.1/4"
KBOD14.1624	1.7/16"	1.1/2"
KBOD14.2016	1.11/16"	1"
KBOD14.2024	1.11/16"	1.1/2"

UNIÃO MACHO ORFS
- MACHO MÉTRICO
ADAPTOR MALE ORFS
- MALE BSPP FORM ECÓDIGO
CODEROSCA
THREADROSCA
THREAD

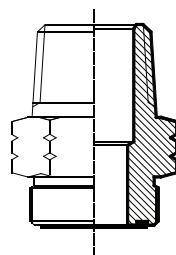
KBOD16.0412	9/16"	12x1.5
KBOD16.0614	11/16"	14x1.5
KBOD16.0818	13/16"	18x1.5
KBOD16.1022	1"	22x1.5
KBOD16.1227	1.3/16"	27x1.5
KBOD16.1633	1.7/16"	33x1.5
KBOD16.2042	1.11/16"	42x1.5
KBOD16.2448	2"	48x1.5
KBOD16.0410	9/16"	10x1
KBOD16.0414	9/16"	14x1.5
KBOD16.0612	11/16"	12x1.5
KBOD16.0616	11/16"	16x1.5
KBOD16.0618	11/16"	18x1.5
KBOD16.0814	13/16"	14x1.5
KBOD16.0816	13/16"	16x1.5
KBOD16.0822	13/16"	22x1.5
KBOD16.1018	1"	18x1.5
KBOD16.1027	1"	27x2
KBOD16.1222	1.3/16"	22x1.5
KBOD16.1233	1.3/16"	33x2
KBOD16.1627	1.7/16"	27x2
KBOD16.1642	1.7/16"	42x2
KBOD16.2033	1.11/16"	33x2
KBOD16.2048	1.11/16"	48x2

UNIÃO MACHO ORFS
- MACHO UNF
ADAPTOR MALE ORFS
- MALE BSPP FORM E



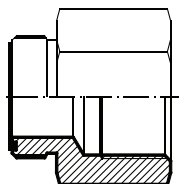
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD18.0404	9/16"	7/16"
KBOD18.0606	11/16"	9/16"
KBOD18.0808	13/16"	3/4"
KBOD18.1010	1"	7/8"
KBOD18.1212	1.3/16"	1".1/16
KBOD18.1616	1.7/16"	1".5/16
KBOD18.2020	1.11/16"	1".5/8
KBOD18.2424	2"	1".7/8
KBOD18.0405	9/16"	1/2"
KBOD18.0406	9/16"	9/16"
KBOD18.0408	9/16"	3/4"
KBOD18.0604	11/16"	7/16"
KBOD18.0605	11/16"	1/2"
KBOD18.0608	11/16"	3/4"
KBOD18.0610	11/16"	7/8"
KBOD18.0612	11/16"	1.1/16"
KBOD18.0806	3/16"	9/16"
KBOD18.0810	13/16"	7/8"
KBOD18.0812	13/16"	1.1/16
KBOD18.0816	13/16"	1.5/16"
KBOD18.1008	1"	3/4"
KBOD18.1012	1"	1.1/16"
KBOD18.1208	1.3/16"	3/4"
KBOD18.1210	1.3/16"	7/8"
KBOD18.1216	1.3/16"	1.5/16"
KBOD18.1612	1.7/16"	1.1/16"
KBOD18.1620	1.7/16"	1.5/8"
KBOD18.1216	1.11/16"	1.5/16"
KBOD18.2020	1.11/16"	1.7/8"
KBOD18.2420	2"	1.5/8"

UNIÃO MACHO ORFS
- MACHO NPTF
ADAPTOR MALE ORFS
- MALE NPTF



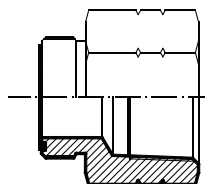
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD20.0402	9/16"	1/8"
KBOD20.0604	11/16"	1/4"
KBOD20.0806	13/16"	3/8"
KBOD20.1008	1"	1/2"
KBOD20.1212	1.3/16	3/4"
KBOD20.1616	1.7/16	1"
KBOD20.2020	1.1/16"	1.1/4"
KBOD20.2424	2"	1.1/2"
KBOD20.0404	9/16"	1/4"
KBOD20.0406	9/16"	3/8"
KBOD20.0606	11/16"	3/8"
KBOD20.0608	11/16"	1/2"
KBOD20.0804	13/16"	1/4"
KBOD20.0808	13/16"	1/2"
KBOD20.812	13/16"	3/4"
KBOD20.1006	1"	3/8"
KBOD20.1012	1"	3/4"
KBOD20.1208	1.3/16"	1/2"
KBOD20.1216	1.3/16"	1"
KBOD20.1612	1.7/16"	3/4"
KBOD20.2016	1.11/16"	1"
KBOD20.2424	2"	1.1/4"

UNIÃO MACHO ORFS
- FÊMEA BSPP FIXA
ADAPTOR MALE ORFS
- FIXED FEMALE BSPP



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD22.0404	9/16"	1/4"
KBOD22.0604	11/16"	1/4"
KBOD22.0806	13/16"	3/8"
KBOD22.1008	1"	1/2"
KBOD22.1212	1.3/16"	3/4"
KBOD22.1616	1.7/16"	1"
KBOD22.2020	1.11/16"	1.1/4"
KBOD22.2424	2"	1.1/2"
KBOD22.0604	1.3/16"	1/4"
KBOD22.1208	1.3/16"	1/2"

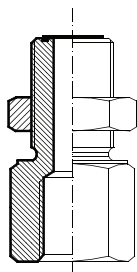
UNIÃO FÊMEA ORFS -
FÊMEA NPTF FIXA
ADAPTOR MALE ORFS
- FIXED FEMALE NPT



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD24.0404	9/16"	1/4"
KBOD24.0604	11/16"	1/4"
KBOD24.0806	13/16"	3/8"
KBOD24.1008	1"	1/2"
KBOD24.1212	1.3/16"	3/4"
KBOD24.1616	1.7/16"	1"
KBOD24.2020	1.11/16"	1.1/4"
KBOD24.2424	2"	1.1/2"
KBOD24.0604	1.3/16"	1/4"
KBOD24.1208	1.3/16"	1/2"

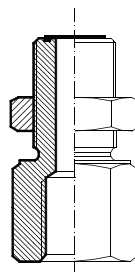
ORFS

**UNIÃO PASSA-
-PAREDES MACHO
ORFS - FÊMEA BSPP**
STRAIGHT BULKHEAD
ADAPTOR MALE ORFS
- FEMALE BSPP



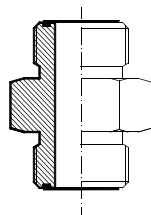
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD26.0404	9/16"	1/4"
KBOD26.0604	11/16"	1/4"
KBOD26.0806	13/16"	3/8"
KBOD26.1008	1"	1/2"
KBOD26.1212	1.3/16"	3/4"
KBOD26.1616	1.7/16"	1"
KBOD26.2020	1.11/16"	1.1/4"
KBOD26.2424	2"	1.1/2"

**UNIÃO PASSA-
-PAREDES MACHO
ORFS - FÊMEA NPTF**
STRAIGHT BULKHEAD
ADAPTOR MALE ORFS
- FEMALE NPTF



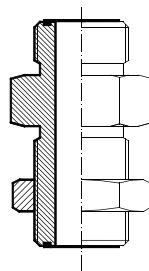
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD28.0404	9/16"	1/4"
KBOD28.0604	11/16"	1/4"
KBOD28.0806	13/16"	3/8"
KBOD28.1008	1"	1/2"
KBOD28.1212	1.3/16"	3/4"
KBOD28.1616	1.7/16"	1"
KBOD28.2020	1.11/16"	1.1/4"
KBOD28.2424	2"	1.1/2"

**UNIÃO MACHO -
MACHO ORFS**
ADAPTOR MALE ORFS
- MALE ORFS



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD10.0404	9/16"	9/16"
KBOD10.0606	11/16"	11/16"
KBOD10.0808	13/16"	13/16"
KBOD10.1010	1"	1"
KBOD10.1212	1.3/16"	1.3/16"
KBOD10.1616	1.7/16"	1.7/16"
KBOD10.2020	1.11/16"	1.11/16"
KBOD10.2424	2"	2"
KBOD10.0604	11/16"	9/16"
KBOD10.0806	13/16"	11/16"
KBOD10.1008	1"	13/16"
KBOD10.1206	1.3/16"	11/16"
KBOD10.1208	1.3/16"	13/16"
KBOD10.1210	1.3/16"	1"
KBOD10.1612	1.7/16"	1.3/16"

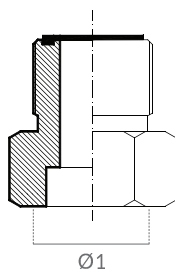
**UNIÃO PASSA-
-PAREDES ORFS**
STRAIGHT
BULKHEAD ORFS



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD30.0404	9/16"	9/16"
KBOD30.0606	11/16"	11/16"
KBOD30.0808	13/16"	13/16"
KBOD30.1010	1"	1"
KBOD30.1212	1.3/16"	1.3/16"
KBOD30.1616	1.7/16"	1.7/16"
KBOD30.2020	1.11/16"	1.11/16"
KBOD30.2424	2"	2"

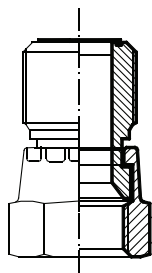
UNIÃO ORFS
MACHO FÊMEA
 ADAPTOR SWIVEL
 FEMALE ORFS- MALE
 ORFS

CÓDIGO CODE	ROSCA THREAD	DIAM1 Ø1
KBOD32.0406	9/16"	6
KBOD32.0610	11/16"	10
KBOD32.0812	13/16"	12
KBOD32.1016	1"	16
KBOD32.1220	1.3/16"	20
KBOD32.1625	1.7/16"	25
KBOD32.2030	1.1/16"	30
KBOD32.2438	2"	38
KBOD32.0408	9/16"	8
KBOD32.0410	9/16"	10
KBOD32.0412	9/16"	12
KBOD32.0608	11/16"	8
KBOD32.0612	11/16"	12
KBOD32.0614	11/16"	14
KBOD32.0612	11/16"	15
KBOD32.0616	11/16"	16
KBOD32.0806	13/16"	6
KBOD32.0808	13/16"	8
KBOD32.0810	13/16"	10
KBOD32.0814	13/16"	14
KBOD32.1015	13/16"	15
KBOD32.0816	13/16"	16
KBOD32.0818	13/16"	18
KBOD32.1820	13/16"	20
KBOD32.0822	13/16"	22
KBOD32.0825	13/16"	25
KBOD32.1010	1"	10
KBOD32.1012	1"	12
KBOD32.1014	1"	14
KBOD32.1015	1"	15
KBOD32.0402	1"	18

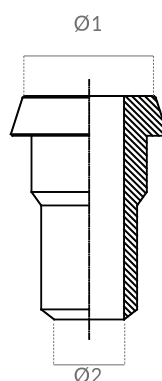


CÓDIGO CODE	ROSCA THREAD	DIAM1 Ø1
KBOD32.1018	1"	18
KBOD32.1020	1"	20
KBOD32.1212	1.3/16"	12
KBOD32.1214	1.3/16"	14
KBOD32.1215	1.3/16"	15
KBOD32.1216	1.3/16"	16
KBOD32.1218	1.3/16"	18
KBOD32.1222	1.3/16"	22
KBOD32.1225	1.3/16"	25
KBOD32.1612	1.7/16"	12
KBOD32.1614	1.7/16"	14
KBOD32.1615	1.7/16"	15
KBOD32.1616	1.7/16"	16
KBOD32.1618	1.7/16"	18
KBOD32.1620	1.7/16"	20
KBOD32.1622	1.7/16"	22
KBOD32.1628	1.7/16"	28
KBOD32.1630	1.7/16"	30
KBOD32.1632	1.7/16"	32
KBOD32.2018	1.11/16"	18
KBOD32.2020	1.11/16"	20
KBOD32.2022	1.11/16"	22
KBOD32.2025	1.11/16"	25
KBOD32.2028	1.11/16"	28
KBOD32.2032	1.11/16"	32
KBOD32.2035	1.11/16"	35
KBOD32.2038	1.11/16"	38
KBOD32.2425	2"	25
KBOD32.2428	2"	28
KBOD32.2430	2"	30
KBOD32.2432	2"	32
KBOD32.2435	2"	35

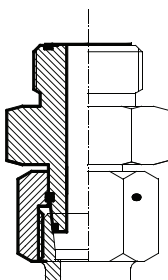
ORFS

**UNIÃO ORFS
MACHO FÊMEA**
 ADAPTOR SWIVEL
 FEMALE ORFS- MALE
 ORFS


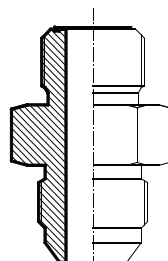
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD12.0402	11/16"	9/16"
KBOD12.0604	13/16"	9/16"
KBOD12.0806	1"	9/16"
KBOD12.1008	1.3/16"	9/16"
KBOD12.1212	1.7/16"	9/16"
KBOD12.1616	1.11/16"	9/16"
KBOD12.2020	2"	9/16"
KBOD12.2424	13/16"	11/16"
KBOD12.0404	1"	11/16"
KBOD12.0406	1.3/16"	11/16"
KBOD12.0408	1.7/16"	11/16"
KBOD12.0602	1.11/16"	11/16"
KBOD12.0606	2"	11/16"
KBOD12.0608	1"	13/16"
KBOD12.0612	1.3/16"	13/16"
KBOD12.0804	1.3/16"	1.7/16"
KBOD12.0808	1.7/16"	13/16"
KBOD12.0812	1.7/16"	1.11/16"
KBOD12.1004	1.11/16"	13/16"
KBOD12.1006	2"	13/16"
KBOD12.1012	1.3/16"	1"
KBOD12.1016	1.7/16"	1"
KBOD12.1204	1.11/16"	1"
KBOD12.1208	2"	1"
KBOD12.1216	1.7/16"	1.3/16"
KBOD12.1220	1.11/16"	1.3/16"
KBOD12.1604	2"	1.3/16"
KBOD12.1606	1.11/16"	1.7/16"
KBOD12.1620	2"	1.7/16"
KBOD12.1624	2"	1.11/16"

UNIÃO SOLDAR
 WELDING UNION


CÓDIGO CODE	DIAM1 Ø1	DIAM1 Ø2
KBOD34.06	12.75	6
KBOD34.10	15.75	10
KBOD34.12	18.9	12
KBOD34.16	23.45	16
KBOD34.20	17.85	20
KBOD34.25	34.2	25
KBOD34.30	40.55	30
KBOD34.38	48.5	38
KBOD34.08	15.75	8
KBOD34.14	23.45	14
KBOD34.15	23.45	15
KBOD34.18	17.85	18
KBOD34.22	34.2	22
KBOD34.28	40.55	28
KBOD34.32	40.55	32
KBOD34.35	48.5	35

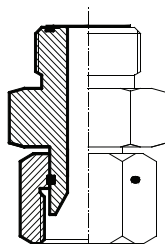
**UNIÃO MACHO ORFS
FÊMEA DIN GIRATÓRIA**
 ADAPTOR MALE ORFS -
 FEMALE DIN
 (THRUST-WIRE NUT)


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD38.0406L	9/16"	12X1.5
KBOD38.0408L	9/16"	14X1.5
KBOD38.0610L	11/16"	16X1.5
KBOD38.0812L	13/16"	18X1.5
KBOD38.1015L	1"	22X1.5
KBOD38.1218L	1.3/16"	26X1.5
KBOD38.1622L	1.7/16"	30X2
KBOD38.2028L	1.11/16"	36X2
KBOD38.2435L	2"	45X2
KBOD38.2442L	2"	52X2
KBOD38.0406S	9/16"	14X1.5
KBOD38.0408S	9/16"	16X1.5
KBOD38.0610S	11/16"	18X1.5
KBOD38.0812S	13/16"	20X1.5
KBOD38.1014S	1"	22X1.5
KBOD38.1016S	1"	24X1.5
KBOD38.01220S	1.3/16"	30X2
KBOD38.1625S	1.7/16"	36X2
KBOD38.1230S	1.11/16"	42X2
KBOD38.2438S	2"	52X2

**UNIÃO MACHO ORFS
MACHO JIC**
 ADAPTOR MALE ORFS
 - MALE JIC


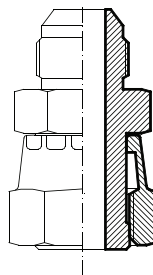
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD40.0404	9/16"	7/16"
KBOD40.0606	11/16"	9/16"
KBOD40.0808	13/16"	3/4"
KBOD40.1010	1"	7/8"
KBOD40.1212	1.3/16"	1.1/16"
KBOD40.1616	1.7/16"	1.5/16"
KBOD40.2020	1.11/16"	1.5/8"
KBOD40.2424	2"	1.7/8"
KBOD40.0605	11/16"	1/2"

**UNIÃO MACHO ORFS
FÊMEA JIC GIRATÓRIA**
ADAPTOR MALE ORFS -
FEMALE DIN
(THRUST-WIRE NUT)



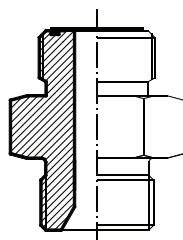
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD42.0404	9/16"	7/16"
KBOD42.0606	11/16"	9/16"
KBOD42.0808	13/16"	3/4"
KBOD42.1010	1"	7/8"
KBOD42.1212	1.3/16"	1".1/16"
KBOD42.1616	1.7/16"	1".5/16"
KBOD42.2020	1.11/16"	1".5/8"
KBOD42.2424	2"	1".7/8"
KBOD42.0605	11/16"	1/2"

**UNIÃO FÊMEA ORFS
GIRATÓRIA - MACHO
JIC**
ADAPTOR FEMALE
ORFS - MALE JIC



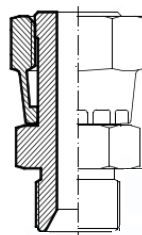
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD44.0404	9/16"	7/16"
KBOD44.0606	11/16"	9/16"
KBOD44.0808	13/16"	3/4"
KBOD44.1010	1"	7/8"
KBOD44.1212	1.3/16"	1.1/16"
KBOD44.1616	1".7/16"	1.5/16"
KBOD44.2020	1".11/16"	1.5/8"
KBOD44.2424	2"	1.7/8"
KBOD44.0605	11/16"	1/2"

**UNIÃO MACHO ORFS
MACHO BSPP CONE 60°**
ADAPTOR MALE ORFS -
FEMALE DIN
(THRUST WIRE NUT)



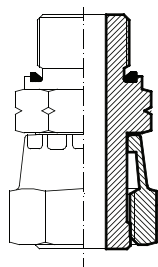
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD42.0402	9/16"	1/8"
KBOD42.0604	11/16"	1/4"
KBOD42.0806	13/16"	3/8"
KBOD42.1008	1"	1/2"
KBOD42.1212	1.3/16"	3/4"
KBOD42.1616	1.7/16"	1"
KBOD42.2020	1.11/16"	1".1/4"
KBOD42.2424	2"	1".1/2"
KBOD42.0404	9/16"	1/4"
KBOD42.0406	9/16"	3/8"
KBOD42.0606	11/16"	3/8"
KBOD42.0608	11/16"	1/2"
KBOD42.0804	13/16"	1/4"
KBOD42.0808	13/16"	1/2"
KBOD42.0812	13/16"	3/4"
KBOD42.1006	1"	3/8"
KBOD42.1010	1"	5/8"
KBOD42.1012	1"	3/4"
KBOD42.1208	1.3/16"	1/2"
KBOD42.1216	1.3/16"	1"
KBOD42.1612	1.7/16"	3/4"
KBOD42.1620	1.7/16"	1".1/4"

**UNIÃO FÊMEA ORFS
GIRATÓRIA MACHO
BSPP CONE 60°**
ADAPTOR FEMALE
ORFS - MALE BSPP
WITH 60° CONE

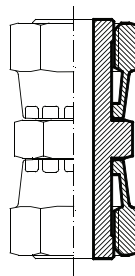


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD48.0402	9/16"	1/8"
KBOD48.0604	11/16"	1/4"
KBOD48.0806	13/16"	3/8"
KBOD48.1008	1"	1/2"
KBOD48.1212	1.3/16"	3/4"
KBOD48.1616	1.7/16"	1"
KBOD48.2020	1.11/16"	1.1/4"
KBOD48.2424	2"	1.1/2"
KBOD48.0404	9/16"	1/4"
KBOD48.0406	9/16"	3/8"
KBOD48.0606	11/16"	3/8"
KBOD48.0608	11/16"	1/2"
KBOD48.0804	13/16"	1/4"
KBOD48.0808	13/16"	1/2"
KBOD48.0812	13/16"	3/4"
KBOD48.1006	1"	3/8"
KBOD48.1010	1"	5/8"
KBOD48.1012	1"	3/4"
KBOD48.1208	1.3/16"	1/2"
KBOD48.1216	1.3/16"	1"
KBOD48.1612	1.7/16"	3/4"
KBOD48.1620	1.7/16"	1.1/4"

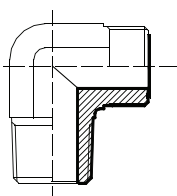
ORFS

**UNIÃO FÊMEA ORFS
GIRATÓRIA - MACHO
MÉTRICO**
ADAPTOR FEMALE
ORFS - MALE METRIC


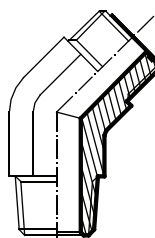
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD50.0412	9/16"	12X1.5
KBOD50.0614	11/16"	14X1.5
KBOD50.0818	13/16"	18X1.5
KBOD50.1022	1"	22X1.5
KBOD50.1227	1.3/16"	27X2
KBOD50.1633	1.7/16"	33X2
KBOD50.2042	1.11/16"	42X2
KBOD50.2448	2"	48X2
KBOD50.0410	9/16"	10X1
KBOD50.0616	11/16"	16X1.5
KBOD50.0816	13/16"	16X1.5
KBOD50.1018	1"	18X1.5
KBOD50.1222	1.3/16"	22X1.5
KBOD50.1627	1.7/16"	27X2

**UNIÃO FÊMEA FÊMEA
ORFS GIRATÓRIA**
ADAPTOR FEMALE
ORFS - FEMALE ORFS


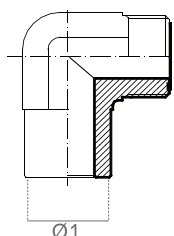
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOD52.0404	9/16"	9/16
KBOD52.0606	11/16"	11/16
KBOD52.0808	13/16	13/16
KBOD52.1010	1"	1
KBOD52.1212	1.3/16"	1.3/16
KBOD52.1616	1.7/16"	1.7/16
KBOD52.2020	1.11/16"	1.11/16
KBOD52.2424	2"	2

**JOELHO MACHO ORFS
- MACHO NPTF**
90° ADAPTOR MALE
ORFS - MALE NPTF


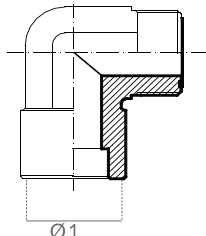
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON16.0412	9/16"	1/8"
KBON16.0614	11/16"	1/4"
KBON16.0818	13/16"	3/8"
KBON16.1022	1"	1/2"
KBON16.1227	1.3/16"	3/4"
KBON16.1633	1.7/16"	1"
KBON16.2042	1.11/16"	1.1/4"
KBON16.2448	2"	1.1/2"
KBON16.0410	9/16"	1/4"
KBON16.0616	9/16"	3/8"
KBON16.0816	11/16"	3/8"
KBON16.1018	11/16"	1/2"
KBON16.1222	13/16"	1/4"
KBON16.1627	13/16"	1/2"
KBON16.0410	13/16"	3/4"
KBON16.0616	1"	3/8"
KBON16.0816	1"	3/4"
KBON16.1018	1.3/16"	1/2"
KBON16.1222	1.3/16"	1"
KBON16.1627	1.7/16"	3/4"
KBON16.1222	1.11/16"	1"
KBON16.1627	2"	1.1/4"

**JOELHO MACHO 45°
ORFS - MACHO NPTF**
45° ADAPTOR MALE
ORFS - MALE NPTF


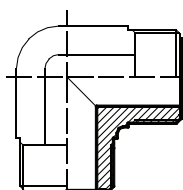
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOQ16.0412	9/16"	1/8"
KBOQ16.0614	11/16"	1/4"
KBOQ16.0818	13/16"	3/8"
KBOQ16.1022	1"	1/2"
KBOQ16.1227	1.3/16"	3/4"
KBOQ16.1633	1.7/16"	1"
KBOQ16.2042	1.11/16"	1.1/4"
KBOQ16.2448	2"	1.1/2"
KBOQ16.0410	9/16"	1/4"
KBOQ16.0616	9/16"	3/8"
KBOQ16.0816	11/16"	3/8"
KBOQ16.1018	11/16"	1/2"
KBOQ16.1222	13/16"	1/4"
KBOQ16.1627	13/16"	1/2"
KBOQ16.0410	13/16"	3/4"
KBOQ16.0616	1"	3/8"
KBOQ16.0816	1"	3/4"
KBOQ16.1018	1.3/16"	1/2"
KBOQ16.1222	1.3/16"	1"
KBOQ16.1627	1.7/16"	3/4"
KBOQ16.1222	1.11/16"	1"
KBOQ16.1627	2"	1.1/4"

**JOELHO MACHO ORFS
SOLDAR**
90° ADAPTOR MALE
ORFS - BUTTWELD


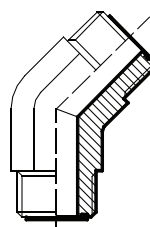
CÓDIGO CODE	ROSCA THREAD	DIAM1 Ø1
KBON12.06	9/16"	6
KBON12.10	11/16"	10
KBON12.12	13/16"	12
KBON12.16	1"	16
KBON12.20	1.3/16"	20
KBON12.25	1.7/16"	25
KBON12.30	1.11/16"	30
KBON12.38	2"	38
KBON12.08	11/16"	8
KBON12.14	1"	14
KBON12.15	1"	15
KBON12.18	1.3/16"	18
KBON12.22	1.7/16"	22
KBON12.28	1.11/16"	28
KBON12.32	1.11/16"	32
KBON12.35	2"	35

**JOELHO MACHO ORFS
SOLDAR**
90° ADAPTOR ORFS -
MALE BUTTWELD


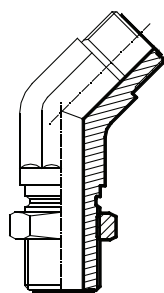
CÓDIGO CODE	ROSCA THREAD	DIAM1 Ø1
KBON14.06	9/16"	6
KBON14.10	11/16"	10
KBON14.12	13/16"	12
KBON14.16	1"	16
KBON14.20	1.3/16"	20
KBON14.25	1.7/16"	25
KBON14.30	1.11/16"	30
KBON14.38	2"	38
KBON14.08	11/16"	8
KBON14.14	1"	14
KBON14.15	1"	15
KBON14.18	1.3/16"	18
KBON14.22	1.7/16"	22
KBON14.28	1.11/16"	28
KBON14.32	1.11/16"	32
KBON14.35	2"	35

**JOELHO MACHO
MACHO ORFS**
90° ADAPTOR MALE
ORFS - MALE ORFS


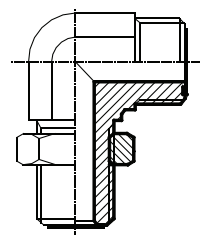
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON10.0404	9/16"	9/16"
KBON10.0606	11/16"	11/16"
KBON10.0808	13/16"	13/16"
KBON10.1010	1"	1"
KBON10.1212	1.3/16"	1.3/16"
KBON10.1616	1.7/16"	1.7/16"
KBON10.2020	1.11/16"	1.11/16"
KBON10.2424	2"	2"
KBON10.0406	9/16"	11/16"
KBON10.0608	11/16"	13/16"
KBON10.0810	13/16"	1"
KBON10.0612	11/16"	1.3/16"
KBON10.0812	13/16"	1.3/16"
KBON10.1012	1"	1.3/16"
KBON10.1216	1.3/16"	1.7/16"
KBON10.1620	1.7/16"	1.11/16"

**JOELHO 45° MACHO
MACHO ORFS**
45° ADAPTOR MALE
ORFS - MALE ORFS


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOQ10.0404	9/16"	9/16"
KBOQ10.0606	11/16"	11/16"
KBOQ10.0808	13/16"	13/16"
KBOQ10.1010	1"	1"
KBOQ10.1212	1.3/16"	1.3/16"
KBOQ10.1616	1.7/16"	1.7/16"
KBOQ10.2020	1.11/16"	1.11/16"
KBOQ10.2424	2"	2"

**JOELHO 45° ORFS
PASSA-PAREDES**
45° BULKHEAD
ADAPTOR MALE ORFS -
MALE ORFS


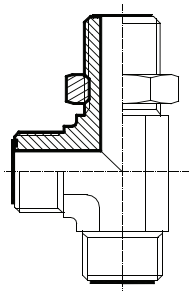
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOQ12.0404	9/16"	9/16"
KBOQ12.0606	11/16"	11/16"
KBOQ12.0808	13/16"	13/16"
KBOQ12.1010	1"	1"
KBOQ12.1212	1.3/16"	1.3/16"
KBOQ12.1616	1.7/16"	1.7/16"
KBOQ12.2020	1.11/16"	1.11/16"
KBOQ12.2424	2"	2"

**JOELHO ORFS
PASSA-PAREDES**
90° BULKHEAD
ADAPTOR MALE ORFS -
MALE ORFS


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON18.0404	9/16"	9/16"
KBON18.0606	11/16"	11/16"
KBON18.0808	13/16"	13/16"
KBON18.1010	1"	1"
KBON18.1212	1.3/16"	1.3/16"
KBON18.1616	1.7/16"	1.7/16"
KBON18.2020	1.11/16"	1.11/16"
KBON18.2424	2"	2"

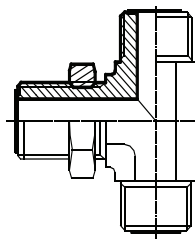
ORFS

T ORFS
PASSA-PAREDES
LATERAL
 RUN "T" BULKHEAD
 ADAPTOR MALE ORFS
 - MALE ORFS



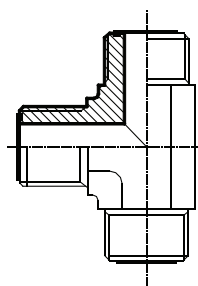
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT16.0404	9/16"	9/16"
KBOT16.0606	11/16"	11/16"
KBOT16.0808	13/16"	13/16"
KBOT16.1010	1"	1"
KBOT16.1212	1.3/16"	1.3/16"
KBOT16.1616	1.7/16"	1.7/16"
KBOT16.2020	1.11/16"	1.11/16"
KBOT16.2424	2"	2"

T ORFS
PASSA-PAREDES
LATERAL
 BRANCH "T" BULKHEAD
 ADAPTOR MALE ORFS -
 MALE ORFS



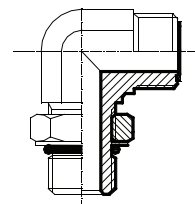
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT18.0404	9/16"	9/16"
KBOT18.0606	11/16"	11/16"
KBOT18.0808	13/16"	13/16"
KBOT18.1010	1"	1"
KBOT18.1212	1.3/16"	1.3/16"
KBOT18.1616	1.7/16"	1.7/16"
KBOT18.2020	1.11/16"	1.11/16"
KBOT18.2424	2"	2"

T MACHO ORFS
 "T" ADAPTOR MALE
 ORFS



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT10.0404	9/16"	9/16"
KBOT10.0606	11/16"	11/16"
KBOT10.0808	13/16"	13/16"
KBOT10.1010	1"	1"
KBOT10.1212	1.3/16"	1.3/16"
KBOT10.1616	1.7/16"	1.7/16"
KBOT10.2020	1.11/16"	1.11/16"
KBOT10.2424	2"	2"

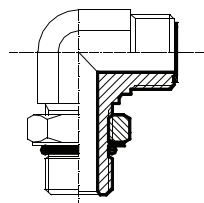
JOELHO MACHO
ORFS - MACHO UNF
ORIENTÁVEL
 90° ADJUSTABLE
 ADAPTOR MALE ORFS
 - MALE UNF WITH
 O-RING AND
 RETAINING SEAL



CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON22.0404	9/16"	7/16"
KBON22.0606	11/16"	9/16"
KBON22.0808	13/16"	3/4"
KBON22.1010	1"	7/8"
KBON22.1212	1.3/16"	1.1/16"
KBON22.1616	1.7/16"	1.5/16"
KBON22.2020	1.11/16"	1.5/8"
KBON22.2424	2"	1.7/8"
KBON22.0406	9/16"	9/16"
KBON22.0408	9/16"	3/4"
KBON22.0604	11/16"	7/16"
KBON22.0608	11/16"	3/4"
KBON22.0610	11/16"	7/8"
KBON22.0612	11/16"	1.1/16"
KBON22.0806	13/16"	9/16"
KBON22.0810	13/16"	7/8"
KBON22.0812	13/16"	1.1/16"
KBON22.1008	1"	3/4"
KBON22.1012	1"	1.1/16"
KBON22.1208	1.3/16"	3/4"
KBON22.1210	1.3/16"	7/8"
KBON22.1216	1.3/16"	1.5/16"
KBON22.1612	1.7/16"	1.1/16"
KBON22.1620	1.7/16"	1.5/8"
KBON22.2016	1.11/16"	1.5/16"
KBON22.2024	1.11/16"	1.7/8"
KBON22.2420	2"	1.5/8"

**JOELHO MACHO
ORFS - MACHO BSPP
ORIENTÁVEL**

90° ADJUSTABLE
ADAPTOR MALE ORFS
- MALE BSPP WITH
O-RING AND
RETAINING SEAL



CÓDIGO
CODE

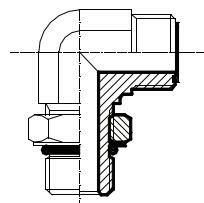
ROSCA
THREAD

ROSCA
THREAD

KBON20.0402	9/16"	1/8"
KBON20.0604	11/16"	1/4"
KBON20.0806	13/16"	3/8"
KBON20.1008	1"	1/2"
KBON20.1212	1.3/16"	3/4"
KBON20.1616	1.7/16"	1"
KBON20.2020	1.11/16"	1.1/4"
KBON20.2424	2"	1.1/2"
KBON20.0404	9/16"	1/4"
KBON20.0406	9/16"	3/8"
KBON20.0606	11/16"	3/8"
KBON20.0608	11/16"	1/2"
KBON20.0804	13/16"	1/4"
KBON20.0808	13/16"	1/2"
KBON20.0812	13/16"	3/4"
KBON20.1004	1"	1/4"
KBON20.1006	1"	3/8"
KBON20.1212	1.3/16"	3/4"
KBON20.1204	1.3/16"	1/4"
KBON20.1208	1.3/16"	1/2"
KBON20.1612	1.7/16"	3/4"
KBON20.1620	1.7/16"	1.1/4"
KBON20.2016	1.11/16"	1"
KBON20.2024	1.11/16"	1.1/2"

**JOELHO MACHO ORFS
- MACHO MÉTRICO
ORIENTÁVEL**

90° ADJUSTABLE
ADAPTOR MALE ORFS
- MALE METRIC WITH
O-RING



CÓDIGO
CODE

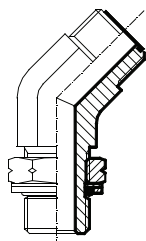
ROSCA
THREAD

ROSCA
THREAD

KBON24.0412	9/16"	12X1.5
KBON24.0614	11/16"	14X1.5
KBON24.0818	13/16"	18X1.5
KBON24.1022	1"	22X1.5
KBON24.1227	1.3/16"	27X2
KBON24.1633	1.7/16"	33X2
KBON24.2042	1.11/16"	42X2
KBON24.2448	2"	48X2
KBON24.0410	9/16"	10X1
KBON24.0616	11/16"	16X1.5
KBON24.0816	13/16"	16X1.5
KBON24.0822	13/16"	22X1.5
KBON24.1018	1"	18X1.5
KBON24.1027	1"	27X2
KBON24.1222	1.3/16"	22X1.5
KBON24.1233	1.3/16"	33X2
KBON24.1627	1.7/16"	27X2
KBON24.1642	1.7/16"	42X2
KBON24.2048	1.11/16"	48X2

**JOELHO 45° MACHO
ORFS - MACHO
MÉTRICO ORIENTÁVEL**

45° ADJUSTABLE
ADAPTOR MALE ORFS -
MALE BSPP UNF WITH
O-RING AND
RETAINING SEAL



CÓDIGO
CODE

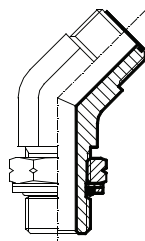
ROSCA
THREAD

ROSCA
THREAD

KBOQ18.0412	9/16	12X1.5
KBOQ18.0614	11/16	14X1.5
KBOQ18.0818	13/16	18X1.5
KBOQ18.1022	1	22X1.5
KBOQ18.1227	1.3/16	27X2
KBOQ18.1633	1.7/16	33X2
KBOQ18.2042	1.11/16	42X2
KBOQ18.2448	2	48X2
KBOQ18.0410	9/16	10X1
KBOQ18.0616	11/16	16X1.5
KBOQ18.0816	13/16	16X1.5
KBOQ18.0822	13/16	22X1.5
KBOQ18.1018	1	18X1.5
KBOQ18.1027	1	27X2
KBOQ18.1222	1.3/16	22X1.5
KBOQ18.1233	1.3/16	33X2
KBOQ18.1627	1.7/16	27X2
KBOQ18.1642	1.7/16	42X2
KBOQ18.2048	1.11/16	48X2

**JOELHO 45° MACHO
ORFS - MACHO BSPP
ORIENTÁVEL**

45° ADJUSTABLE
ADAPTOR
MALE ORFS - MALE
BSPP WITH O-RING
AND RETAINING SEAL



CÓDIGO
CODE

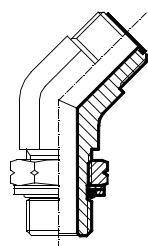
ROSCA
THREAD

ROSCA
THREAD

KBOQ14.0402	9/16"	1/8"
KBOQ14.0604	11/16"	1/4"
KBOQ14.0806	13/16"	3/8"
KBOQ14.1008	1"	1/2"
KBOQ14.1212	1.3/16"	3/4"
KBOQ14.1616	1.7/16"	1"
KBOQ14.2020	1.11/16"	1.1/4"
KBOQ14.2424	2"	1.1/2"
KBOQ14.0404	9/16"	1/4"
KBOQ14.0406	9/16"	3/8"
KBOQ14.0606	11/16"	3/8"
KBOQ14.0608	11/16"	1/2"
KBOQ14.0804	13/16"	1/4"
KBOQ14.0808	13/16"	1/2"
KBOQ14.0812	13/16"	3/4"
KBOQ14.1004	1"	1/4"
KBOQ14.1006	1"	3/8"
KBOQ14.1212	1.3/16"	3/4"
KBOQ14.1204	1.3/16"	1/4"
KBOQ14.1208	1.3/16"	1/2"
KBOQ14.1612	1.7/16"	3/4"
KBOQ14.1620	1.7/16"	1.1/4"
KBOQ14.2016	1.11/16"	1"
KBOQ14.2024	1.11/16"	1.1/2"

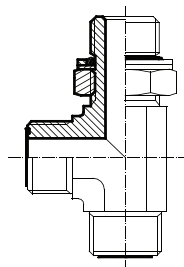
ORFS

**JOELHO 45° MACHO
ORFS - MACHO UNF
ORIENTÁVEL**
45° ADJUSTABLE
ADAPTOR MALE ORFS
- MALE UNF WITH
O-RING



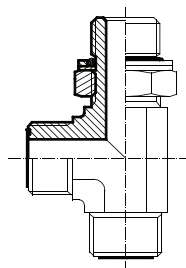
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOQ20.0404	9/16"	7/16"
KBOQ20.0606	11/16"	9/16"
KBOQ20.0808	13/16"	3/4"
KBOQ20.1010	1"	7/8"
KBOQ20.1212	1.3/16"	1.1/16"
KBOQ20.1616	1.7/16"	1.5/16"
KBOQ20.2020	1.11/16"	1.5/8"
KBOQ20.2424	2"	1.7/8"
KBOQ20.0406	9/16"	9/16"
KBOQ20.0408	9/16"	3/4"
KBOQ20.0604	11/16"	7/16"
KBOQ20.0608	11/16"	3/4"
KBOQ20.0610	11/16"	7/8"
KBOQ20.0612	11/16"	1.1/16"
KBOQ20.0806	13/16"	9/16"
KBOQ20.0810	13/16"	7/8"
KBOQ20.0812	13/16"	1.1/16"
KBOQ20.1008	1"	3/4"
KBOQ20.1012	1"	1.1/16"
KBOQ20.1208	1.3/16"	3/4"
KBOQ20.1210	1.3/16"	7/8"
KBOQ20.1216	1.3/16"	1.5/16"
KBOQ20.1612	1.7/16"	1.1/16"
KBOQ20.1620	1.7/16"	1.5/8"
KBOQ20.2016	1.11/16"	1.5/16"
KBOQ20.2024	1.11/16"	1.7/8"
KBOQ20.2420	2"	1.5/8"

**T MACHO ORFS -
MACHO BSPP
ORIENTÁVEL LATERAL**
RUN "T" MALE ORFS
- ADJUSTABLE MALE
BSPP WITH WITH
O-RING AND
RETAINING SEAL



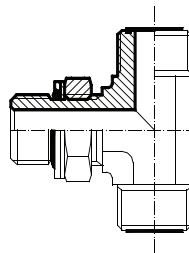
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT20.0402	9/16"	1/8"
KBOT20.0604	11/16"	1/4"
KBOT20.0806	13/16"	3/8"
KBOT20.1008	1"	1/2"
KBOT20.1212	1.3/16"	3/4"
KBOT20.1616	1.7/16"	1"
KBOT20.2020	1.11/16"	1.1/4"
KBOT20.2424	2"	1.1/2"
KBOT20.0404	9/16"	1/4"
KBOT20.0406	9/16"	3/8"
KBOT20.0606	11/16"	3/8"
KBOT20.0608	11/16"	1/2"
KBOT20.0804	13/16"	1/4"
KBOT20.0808	13/16"	1/2"
KBOT20.0812	13/16"	3/4"
KBOT20.1004	1"	1/4"
KBOT20.1006	1"	3/8"
KBOT20.1012	1"	3/4"
KBOT20.1016	1"	1"
KBOT20.1204	1.3/16"	1/4"
KBOT20.1208	1.3/16"	1/2"
KBOT20.1216	1.3/16"	1"
KBOT20.1604	1.7/16"	1/4"
KBOT20.1612	1.7/16"	3/4"
KBOT20.1620	1.7/16"	1.1/4"
KBOT20.2016	1.11/16"	1"
KBOT20.2024	1.11/16"	1.1/2"

**T MACHO ORFS -
MACHO UNF
ORIENTÁVEL LATERAL**
RUN "T" MALE ORFS -
MALE UNF
WITH O-RING



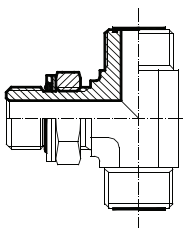
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT24.0412	9/16"	7/16"
KBOT24.0614	11/16"	9/16"
KBOT24.0818	13/16"	3/4"
KBOT24.1022	1"	7/8"
KBOT24.1227	1.3/16"	1.1/16"
KBOT24.1633	1.7/16"	1.5/16"
KBOT24.2042	1.11/16"	1.5/8"
KBOT24.2448	2"	1.7/8"
KBOT24.0410	9/16"	9/16"
KBOT24.0616	9/16"	3/4"
KBOT24.0816	11/16"	7/16"
KBOT24.0822	11/16"	3/4"
KBOT24.1018	11/16"	7/8"
KBOT24.1027	11/16"	1.1/16"
KBOT24.1222	13/16"	9/16"
KBOT24.1233	13/16"	7/8"
KBOT24.1627	13/16"	1.1/16"
KBOT24.1642	1"	3/4"
KBOT24.2048	1"	1.1/16"
KBOT24.2048	1.3/16"	3/4"
KBOT24.2048	1.3/16"	7/8"
KBOT24.2048	1.3/16"	1.5/16"
KBOT24.2048	1.7/16"	1.1/16"
KBOT24.2048	1.7/16"	1.15/8"
KBOT24.2048	1.11/16"	1.5/16"
KBOT24.2048	1.11/16"	1.7/8"
KBOT24.2048	2"	1.5/8"

**T MACHO ORFS
ORIENTÁVEL CENTRAL**
BRANCH "T" MALE
ORFS - ADJUSTABLE
MALE BSPP WITH
O-RING AND
RETAINING SEAL



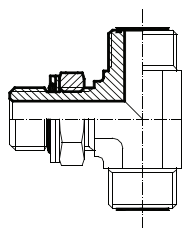
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT26.0402	9/16"	1/8"
KBOT26.0604	11/16"	1/4"
KBOT26.0806	13/16"	3/8"
KBOT26.1008	1"	1/2"
KBOT26.1212	1.3/16"	3/4"
KBOT26.1616	1.7/16"	1"
KBOT26.2020	1.11/16"	1.1/4"
KBOT26.2424	2"	1.1/2"
KBOT26.0404	9/16"	1/4"
KBOT26.0406	9/16"	3/8"
KBOT26.0606	11/16"	3/8"
KBOT26.0608	11/16"	1/2"
KBOT26.0804	13/16"	1/4"
KBOT26.0808	13/16"	1/2"
KBOT26.0812	13/16"	3/4"
KBOT26.1004	1"	1/4"
KBOT26.1006	1"	3/8"
KBOT26.1012	1"	3/4"
KBOT26.1016	1"	1"
KBOT26.1204	1.3/16"	1/4"
KBOT26.1208	1.3/16"	1/2"
KBOT26.1216	1.3/16"	1"
KBOT26.1604	1.7/16"	1/4"
KBOT26.1612	1.7/16"	3/4"
KBOT26.1620	1.7/16"	1.1/4"
KBOT26.2016	1.11/16"	1"
KBOT26.2024	1.11/16"	1.1/2"

**T MACHO ORFS -
MACHO MÉTRICO
ORIENTÁVEL CENTRAL**
BRANCH "T" MALE ORFS
- ADJUSTABLE METRIC
MALE WITH O-RING AND
RETAINING SEAL

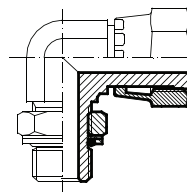


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT28.0412	9/16"	12X1.5"
KBOT28.0614	11/16"	14X1.5"
KBOT28.0818	13/16"	18X1.5"
KBOT28.1022	1"	22X1.5"
KBOT28.1227	1.3/16"	27X2"
KBOT28.1633	1.7/16"	33X2"
KBOT28.2042	1.11/16"	42X2"
KBOT28.2448	2"	48X2"
KBOT28.0410	9/16"	10X1"
KBOT28.0616	11/16"	16X1.5"
KBOT28.0816	13/16"	16X1.5"
KBOT28.0822	13/16"	22X1.5"
KBOT28.1018	1"	18X1.5"
KBOT28.1027	1"	27X2"
KBOT28.1222	1.3/16"	22X1.5"
KBOT28.1233	1.3/16"	33X2"
KBOT28.1627	1.7/16"	27X2"
KBOT28.1642	1.7/16"	42X2"
KBOT28.2048	1.11/16"	48X2"

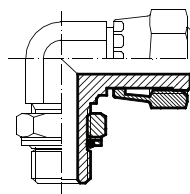
ORFS

**T MACHO ORFS -
MACHO UNF
ORIENTÁVEL CENTRAL**
ADJUSTABLE BRANCH
"T" MALE ORFS - MALE
UNF WITH O-RING


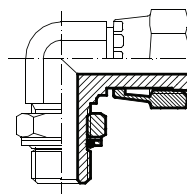
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBOT30.0412	9/16"	7/16"
KBOT30.0614	11/16"	9/16"
KBOT30.0818	13/16"	3/4"
KBOT30.1022	1"	7/8"
KBOT30.1227	1.3/16"	1.1/16"
KBOT30.1633	1.7/16"	1.5/16"
KBOT30.2042	1.11/16"	1.5/8"
KBOT30.2448	2"	1.7/8"
KBOT30.0410	9/16"	9/16"
KBOT30.0616	9/16"	3/4"
KBOT30.0816	11/16"	7/16"
KBOT30.0822	11/16"	3/4"
KBOT30.1018	11/16"	7/8"
KBOT30.1027	11/16"	1.1/16"
KBOT30.1222	13/16"	9/16"
KBOT30.1233	13/16"	7/8"
KBOT30.1627	13/16"	1.1/16"
KBOT30.1642	1"	3/4"
KBOT30.2048	1"	1.1/16"
KBOT30.2048	1.3/16"	3/4"
KBOT30.2048	1.3/16"	7/8"
KBOT30.2048	1.3/16"	1.5/16"
KBOT30.2048	1.7/16"	1.1/16"
KBOT30.2048	1.7/16"	1.15/8"
KBOT30.2048	1.11/16"	1.5/16"
KBOT30.2048	1.11/16"	1.7/8"
KBOT30.2048	2"	1.5/8"

**JOELHO FÊMEA ORFS -
MACHO BSPP
ORIENTÁVEL**
90° ADAPTOR FEMALE
ORFS - ADJUSTABLE
MALE BSPP WITH
O-RING AND
RETAINING SEAL


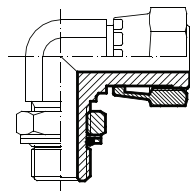
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON26.0402	9/16"	1/8"
KBON26.0604	11/16"	1/4"
KBON26.0806	13/16"	3/8"
KBON26.1008	1"	1/2"
KBON26.1212	1.3/16"	3/4"
KBON26.1616	1.7/16"	1"
KBON26.2020	1.11/16"	1.1/4"
KBON26.2424	2"	1.1/2"

**JOELHO FÊMEA ORFS -
MACHO MÉTRICO
ORIENTÁVEL**
90° ADAPTOR FEMALE
ORFS - ADJUSTABLE
MALE METRIC WITH
O-RING AND RETAINING
SEAL


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON28.0412	9/16"	12X1.5
KBON28.0614	11/16"	14X1.5
KBON28.0818	13/16"	18X1.5
KBON28.1022	1"	22X1.5
KBON28.1227	1.3/16"	27X2
KBON28.1633	1.7/16"	33X2
KBON28.2042	1.11/16"	42X2
KBON28.2448	2"	48X2

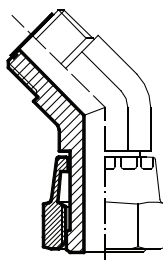
**JOELHO FÊMEA ORFS -
MACHO UNF
ORIENTÁVEL**
90° ADAPTOR FEMALE
ORFS - MALE UNF WITH
O-RING


CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
KBON30.0404	9/16"	7/16
KBON30.0606	11/16"	9/16
KBON30.0808	13/16"	3/4
KBON30.1010	1"	7/8
KBON30.1212	1.3/16"	1.1/16
KBON30.1616	1.7/16"	1.5/16
KBON30.2020	1.11/16"	1.5/8
KBON30.2424	2"	1.7/8

JOELHO MACHO FÊMEA
 90° ADAPTOR FEMALE
 ORFS - MALE ORFS


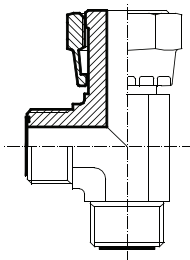
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBON32.0404	9/16"	9/16"
KBON32.0606	11/16"	11/16"
KBON32.0808	13/16"	13/16"
KBON32.1010	1"	1"
KBON32.1212	1.3/16"	1.3/16"
KBON32.1616	1.7/16"	1.7/16"
KBON32.2020	1.11/16"	1.11/16"
KBON32.2424	2"	2"

JOELHO 45° MACHO FÊMEA ORFS
 45° ADAPTOR
 FEMALE ORFS - MALE ORFS


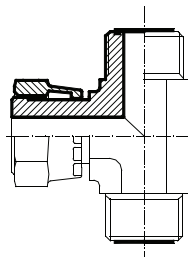
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBOQ22.0404	9/16"	9/16"
KBOQ22.0606	11/16"	11/16"
KBOQ22.0808	13/16"	13/16"
KBOQ22.1010	1"	1"
KBOQ22.1212	1.3/16"	1.3/16"
KBOQ22.1616	1.7/16"	1.7/16"
KBOQ22.2020	1.11/16"	1.11/16"
KBOQ22.2424	2"	2"

T ORFS FÊMEA LATERAL
 RUN "T" MALE
 ORFS - FEMALE ORFS


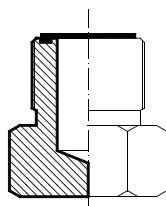
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBOT14.0404	9/16"	9/16"
KBOT14.0606	11/16"	11/16"
KBOT14.0808	13/16"	13/16"
KBOT14.1010	1"	1"
KBOT14.1212	1.3/16"	1.3/16"
KBOT14.1616	1.7/16"	1.7/16"
KBOT14.2020	1.11/16"	1.11/16"
KBOT14.2424	2"	2"

T ORFS FÊMEA CENTRAL
 BRANCH "T" MALE
 ORFS - FEMALE ORFS


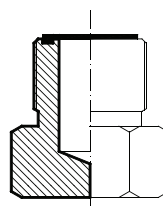
CÓDIGO CODE	ROSCA THREAD	ROSCA THREAD
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KBOT12.0404	9/16"	9/16"
KBOT12.0606	11/16"	11/16"
KBOT12.0808	13/16"	13/16"
KBOT12.1010	1"	1"
KBOT12.1212	1.3/16"	1.3/16"
KBOT12.1616	1.7/16"	1.7/16"
KBOT12.2020	1.11/16"	1.11/16"
KBOT12.2424	2"	2"

TACO MACHO ORFS
 MALE PLUG UNF
 UN-2A


CÓDIGO CODE	TUBO HOSE
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KBOD01.04	9/16"
KBOD01.06	11/16"
KBOD01.08	13/16"
KBOD01.10	1"
KBOD01.12	1.3/16"
KBOD01.16	1.7/16"
KBOD01.20	1.11/16"
KBOD01.24	2"

TACO FÊMEA ORFS
 SWIVEL FEMALE PLUG
 UNF/UN-2B


CÓDIGO CODE	TUBO HOSE
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KBOD02.04	9/16"
KBOD02.06	11/16"
KBOD02.08	13/16"
KBOD02.10	1"
KBOD02.12	1.3/16"
KBOD02.16	1.7/16"
KBOD02.20	1.11/16"
KBOD02.24	2"

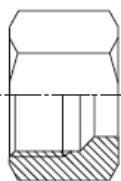
ORFS



DIN 2353 24° • DIN 2353 24°



DIN 2353 24°

**PORCA
NUT****CÓDIGO
CODE****F1****SÉRIE
SERIE**

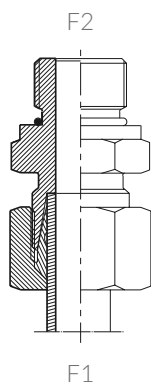
540010.06	12X1,5	L
540010.08	14X1,5	L
540010.10	16X1,5	L
540010.12	18X1,5	L
540010.15	22X1,5	L
540010.18	26X1,5	L
540010.22	30X2	L
540010.28	36X2	L
540010.35	45X2	L
540010.42	52X2	L
540020.06	14X1,5	S
540020.08	16X1,5	S
540020.10	18X1,5	S
540020.12	20X1,5	S
540020.14	22X1,5	S
540020.16	24X1,5	S
540020.20	30X2	S
540020.25	36X2	S
540020.30	42X2	S
540020.38	52X2	S

**ANEL BICONE
DOUBLE
CUTTING RING****CÓDIGO
CODE****F1****SÉRIE
SERIE**

540050.06	6	L / S
540050.08	8	L / S
540050.10	10	L / S
540050.12	12	L / S
540050.15	15	L
540050.14	14	S
540050.16	16	S
540050.18	18	L
540050.22	22	L
540050.28	28	L
540050.35	35	L
540050.42	42	L
540050.20	20	S
540050.25	25	S
540050.30	30	S
540050.38	38	S

**UNIÃO TUBO
ROSCA BSPP
MALE STUD
COUPLING FORM B
DIN 3852**

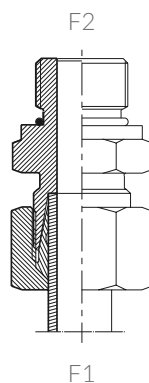
**CÓDIGO
CODE**

F1**F2**

543000.0602	06L	1/8"
543000.0604	06L	1/4"
543000.0606	06L	3/8"
543000.0608	06L	1/2"
543000.0802	08L	1/8"
543000.0804	08L	1/4"
543000.0806	08L	3/8"
543000.0808	08L	1/2"
543000.1002	10L	1/8"
543000.1004	10L	1/4"
543000.1006	10L	3/8"
543000.1008	10L	1/2"
543000.1204	12L	1/4"
543000.1206	12L	3/8"
543000.1208	12L	1/2"
543000.1212	12L	3/4"
543000.1506	15L	3/8"
543000.1508	15L	1/2"
543000.1512	15L	3/4"
543000.1806	18L	3/8"
543000.1808	18L	1/2"
543000.1812	18L	3/4"
543000.2208	22L	1/2"
543000.2212	22L	3/4"
543000.2216	22L	1"
543000.2812	28L	3/4"
543000.2816	28L	1"
543000.3516	35L	1"
543000.3520	35L	1.1/4"
543000.4220	42L	1.1/4"
543000.4224	42L	1.1/2"
543500.0604	06S	1/4"
543500.0608	06S	1/2"
543500.0804	08S	1/4"
543500.0806	08S	3/8"
543500.1004	10S	1/4"
543500.1006	10S	3/8"
543500.1008	10S	1/2"
543500.1204	12S	1/4"
543500.1206	10S	3/8"
543500.1208	12S	1/2"
543500.1406	14S	3/8"
543500.1408	14S	1/2"
543500.1606	16S	3/8"
543500.1608	16S	1/2"
543500.1612	16S	3/4"
543500.2008	20S	1/2"
543500.2012	20S	3/4"
543500.2016	20S	1"
543500.2512	25S	3/4"
543500.2516	25S	1"
543500.3016	30S	1"
543500.3020	30S	1.1/4"
543500.3820	38S	1.1/4"
543500.3824	38S	1.1/2"

**UNIÃO TUBO
ROSCA BSPP
COM O-RING
MALE STUD
COUPLING WITH
RUBBER SEAL FORM
E DIN 3852**

**CÓDIGO
CODE**

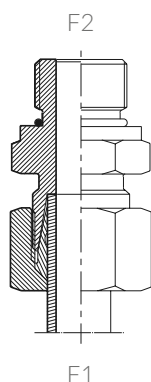
F1**F2**

543000.0602OR	06L	1/8"
543000.0604OR	06L	1/4"
543000.0606OR	06L	3/8"
543000.0802OR	08L	1/8"
543000.0804OR	08L	1/4"
543000.0806OR	08L	3/8"
543000.0808OR	08L	1/2"
543000.1002OR	10L	1/8"
543000.1004OR	10L	1/4"
543000.1006OR	10L	3/8"
543000.1008OR	10L	1/2"
543000.1204OR	12L	1/4"
543000.1206OR	12L	3/8"
543000.1208OR	12L	1/2"
543000.1506OR	12L	3/8"
543000.1508OR	15L	1/2"
543000.1512OR	15L	3/4"
543000.1808OR	18L	1/2"
543000.1812OR	18L	3/4"
543000.2208OR	22L	1/2"
543000.2212OR	22L	3/4"
543000.2216OR	22L	1"
543000.2812OR	28L	3/4"
543000.2816OR	28L	1"
543000.3516OR	35L	1"
543000.3520OR	35L	1.1/4"
543000.4224OR	42L	1.1/2"
543500.0604OR	06S	1/4"
543500.0804OR	08S	1/4"
543500.0806OR	08S	3/8"
543500.1004OR	10S	1/4"
543500.1006OR	10S	3/8"
543500.1008OR	10S	1/2"
543500.1204OR	12S	1/4"
543500.1206OR	12S	3/8"
543500.1208OR	12S	1/2"
543500.1406OR	14S	3/8"
543500.1408OR	14S	1/2"
543500.1606OR	16S	3/8"
543500.1608OR	16S	1/2"
543500.1612OR	16S	3/4"
543500.2008OR	20S	1/2"
543500.2012OR	20S	3/4"
543500.2016OR	20S	1"
543500.2512OR	25S	3/4"
543500.2516OR	25S	1"
543500.3016OR	30S	1"
543500.3020OR	30S	1.1/4"
543500.3820OR	38S	1.1/4"
543500.3824OR	38S	1.1/2"

DIN 2353 24°

**UNIÃO TUBO ROSCA
BSPP COM O-RING
MALE STUD
COUPLING WITH
RUBBER SEAL FORM
E DIN 3852**

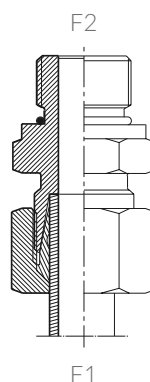
**CÓDIGO
CODE**

F1**F2**

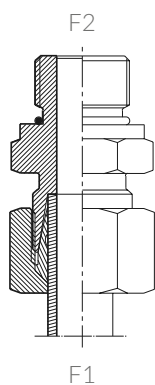
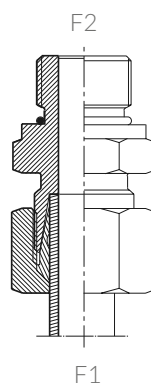
543200.0610	06L	10x1
543200.0812	08L	12x1,5
543200.0814	08L	14x1,5
543200.0816	08L	16x1,5
543200.0818	08L	18x1,5
543200.1014	10L	14x1,5
543200.1016	10L	16x1,5
543200.1018	10L	18x1,5
543200.1022	10L	22x1,5
543200.1214	12L	14x1,5
543200.1216	12L	16x1,5
543200.1218	12L	18x1,5
543200.1222	12L	22x1,5
543200.1516	15L	16x1,5
543200.1518	15L	18x1,5
543200.1522	15L	22x1,5
543200.1818	18L	18x1,5
543200.1822	18L	22x1,5
543200.1826	18L	26x1,5
543200.2222	22L	22x1,5
543200.2226	22L	26x1,5
543200.2833	28L	33x2
543200.3542	35L	42x2
543200.4248	42L	48x2
543250.0612	06S	12x1,5
543250.0814	08S	14x1,5
543250.1016	10S	16x1,5
543250.1018	10S	18x1,5
543250.1218	12S	18x1,5
543250.1222	12S	22x1,5
543250.1420	08S	20x1,5
543250.1618	16S	18x1,5
543250.1622	16S	22x1,5
543250.2027	20S	27x2
543250.2527	25S	27x2
543250.2533	25S	33x2
543250.3042	30S	42x2
543250.3848	38S	48x2

**UNIÃO TUBO ROSCA
MÉTRICA COM
ORING
MALE STUD
COUPLING WITH
RUBBER SEAL FORM E
DIN 3852**

**CÓDIGO
CODE**

F1**F2**

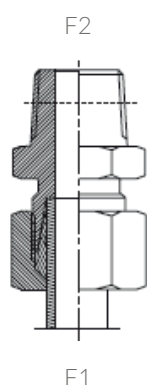
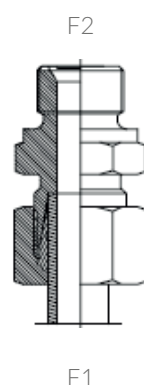
543201.0610OR	06L	10x1
543201.0812OR	08L	12x1,5
543201.1014OR	10L	14x1,5
543201.1016OR	10L	16x1,5
543201.1018OR	10L	18x1,5
543201.1022OR	10L	22x1,5
543201.1214OR	12L	14x1,5
543201.1216OR	12L	16x1,5
543201.1218OR	12L	18x1,5
543201.1222OR	12L	22x1,5
543201.1516OR	15L	16x1,5
543201.1518OR	15L	18x1,5
543201.1522OR	15L	22x1,5
543201.1818OR	18L	18x1,5
543201.1822OR	18L	22x1,5
543201.2222OR	22L	26x1,5
543201.2226OR	22L	26x1,5
543201.2833OR	28L	33x2
543201.3542OR	35L	42x2
543201.4248OR	42L	48x2
543501.0612OR	06S	12x1,5
543501.0814OR	08S	14x1,5
543501.1016OR	10S	16x1,5
543501.1218OR	12S	18x1,5
543501.1222OR	12S	22x1,5
543501.1420OR	14S	20x1,5
543501.1618OR	16S	18x1,5
543501.1622OR	16S	22x1,5
543501.2027OR	20S	27x2
543501.2533OR	25S	33x2
543501.3042OR	30S	42x2
543501.3848OR	38S	48x2

**UNIÃO TUBO
ROSCA UNF
MALE STUD
COUPLING**
**CÓDIGO
CODE**
F1
F2

**UNIÃO TUBO ROSCA
BSPP BSPT (CÔNICA)
MALE STUD
COUPLING**
**CÓDIGO
CODE**
F1
F2


543150.0604	06L	7/16"
543150.0804	08L	7/16"
543150.0805	08L	1/2"
543150.1004	10L	7/16"
543150.1005	10L	1/2"
543150.1206	12L	9/16"
543150.1208	12L	3/4"
543150.1210	12L	7/8"
543150.1508	15L	3/4"
543150.1808	18L	3/4"
543150.1810	18L	7/8"
543150.2210	22L	7/8"
543150.2212	22L	1.1/16"
543150.2216	22L	1.5/16"
543150.2812	28L	1.1/16"
543150.2816	28L	1.5/16"
543150.3516	35L	1.5/16"
543150.3520	35L	1.5/8"
543150.4220	42L	1.5/8"
543150.4224	42L	1.7/8"
543155.0605	06S	1/2"
543155.0804	08S	7/16"
543155.0805	10S	1/2"
543155.1006	12S	9/16"
543155.1206	12S	9/16"
543155.1208	14S	3/4"
543155.1608	16S	3/4"
543155.1408	16S	3/4"
543155.1610	20S	7/8"
543155.2008	25S	3/4"
543155.2010	30S	7/8"
543155.2012	38S	1.1/16"
543155.2512	16S	1.1/16"
543155.2516	20S	1.5/16"
543155.3016	25S	1.5/16"
543155.3020	30S	1.5/8"
543155.3820	38S	1.5/8"
543155.3824	38S	1.7/8"

543540.0602	06L	1/8"
543540.0604	06L	1/4"
543540.0802	08L	1/8"
543540.0804	08L	1/4"
543540.0806	08L	3/8"
543540.0808	08L	1/2"
543540.1002	10L	1/8"
543540.1004	10L	1/4"
543540.1006	10L	3/8"
543540.1008	10L	1/2"
543540.1204	12L	1/4"
543540.1206	12L	3/8"
543540.1208	12L	1/2"
543540.1506	15L	3/8"
543540.1508	15L	1/2"
543540.1806	18L	3/8"
543540.1808	18L	1/2"
543540.1812	18L	3/4"
543540.2212	22L	3/4"
543540.2816	28L	1"
543540.3516	35L	1"
543540.3520	35L	1.1/4"
543540.4224	42L	1.1/2"
543545.0604	06S	1/4"
543545.0804	08S	1/4"
543545.1004	10S	1/4"
543545.1006	10S	3/8"
543545.1204	12S	1/4"
543545.1206	12S	3/8"
543545.1208	12S	1/2"
543545.1408	14S	1/2"
543545.1606	16S	3/8"
543545.1608	16S	1/2"
543545.2008	20S	1/2"
543545.2012	20S	3/4"
543545.2512	25S	3/4"
543545.2516	25S	1"
543545.3016	30S	1"
543545.3020	30S	1.1/4"
543545.3820	38S	1.1/4"
543545.3824	38S	1.1/2"

DIN 2353 24°

**UNIÃO TUBO
ROSCA NPT
CONE 60° MALE
STUD COUPLING
SV 60°**
**CÓDIGO
CODE**
F1**F2**
**UNIÃO TUBO ROSCA
BSPP CONE 60°
CONE 60° MALE
STUD COUPLING
SV 60°**
**CÓDIGO
CODE**
F1**F2**

543550.0602	06L	1/8"
543550.0604	06L	1/4"
543550.0802	08L	1/8"
543550.0804	08L	1/4"
543550.0806	08L	3/8"
543550.1002	10L	1/8"
543550.1004	10L	1/4"
543550.1006	10L	3/8"
543550.1008	10L	1/2"
543550.1204	12L	1/4"
543550.1206	12L	3/8"
543550.1208	12L	1/2"
543550.1506	15L	3/8"
543550.1508	15L	1/2"
543550.1808	18L	1/2"
543550.1812	18L	3/4"
543550.2212	22L	3/4"
543550.2816	28L	1"
543550.3520	35L	1.1/4"
543550.4224	42L	1.1/2"
543552.0604	06S	1/4"
543552.0804	08S	1/4"
543552.1004	10S	1/4"
543552.1006	10S	3/8"
543552.1204	12S	1/4"
543552.1206	12S	3/8"
543552.1208	12S	1/2"
543552.1406	14S	3/8"
543552.1408	14S	1/2"
543552.1606	16S	3/8"
543552.1608	16S	1/2"
543552.2008	20S	1/2"
543552.2012	20S	3/4"
543552.2512	25S	3/4"
543552.2516	25S	1"
543552.3016	30S	1"
543552.3020	30S	1.1/4"
543552.3824	38S	1.1/2"

543100.0602	06L	1/8"
543100.0604	06L	1/4"
543100.0802	08L	1/8"
543100.0804	08L	1/4"
543100.0806	08L	3/8"
543100.0808	08L	1/2"
543100.1002	10L	1/8"
543100.1004	10L	1/4"
543100.1006	10L	3/8"
543100.1008	10L	1/2"
543100.1204	12L	1/4"
543100.1206	12L	3/8"
543100.1208	12L	1/2"
543100.1506	15L	3/8"
543100.1508	15L	1/2"
543100.1806	18L	3/8"
543100.1808	18L	1/2"
543100.1812	18L	3/4"
543100.2212	22L	3/4"
543100.2816	28L	1"
543100.3516	35L	1"
543100.3520	35L	1.1/4"
543100.4224	42L	1.1/2"
543600.0604	06S	1/4"
543600.0804	08S	1/4"
543600.1004	10S	1/4"
543600.1006	10S	3/8"
543600.1204	12S	1/4"
543600.1206	12S	3/8"
543600.1208	12S	1/2"
543600.1408	14S	1/2"
543600.1606	16S	3/8"
543600.1608	16S	1/2"
543600.2008	20S	1/2"
543600.2012	20S	3/4"
543600.2512	25S	3/4"
543600.2516	25S	1"
543600.3016	30S	1"
543600.3020	30S	1.1/4"
543600.3820	38S	1.1/4"
543600.3824	38S	1.1/2"

UNIÃO TUBO - TUBO
 STRAIGHT
 COUPLING

CÓDIGO
 CODE
F1**F2**

540100.0606	06L	06L
540100.0808	08L	08L
540100.1010	10L	10L
540100.1212	12L	12L
540100.1515	15L	15L
540100.1818	18L	18L
540100.2222	22L	22L
540100.2828	28L	28L
540100.3535	35L	35L
540100.4242	42L	42L
540500.0606	06S	06S
540500.0808	08S	08S
540500.1010	10S	10S
540500.1212	12S	12S
540500.1414	14S	14S
540500.1616	16S	16S
540500.2020	20S	20S
540500.2525	25S	25S
540500.3030	30S	30S
540500.3838	38S	38S

UNIÃO REDUÇÃO
TUBO - TUBO
 REDUCED STRAIGHT
 COUPLING

CÓDIGO
 CODE
F1**F2**

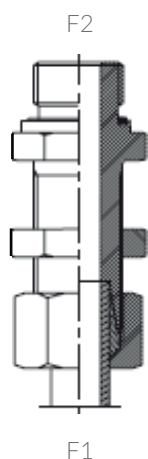
545100.0806L	08L	06L
545100.1006L	10L	06L
545100.1008L	10L	08L
545100.1206L	12L	06L
545100.1208L	12L	08L
545100.1210L	12L	10L
545100.1510L	15L	10L
545100.1512L	15L	12L
545100.1810L	18L	10L
545100.1812L	18L	12L
545100.1815L	18L	15L
545100.2212L	22L	12L
545100.2215L	22L	15L
545100.2218L	22L	18L
545100.2818L	28L	18L
545100.2822L	28L	22L
545100.3522L	35L	22L
545100.3528L	35L	28L
545100.0806S	08S	06S
545100.1006S	10S	06S
545100.1008S	10S	08S
545100.1206S	12S	06S
545100.1208S	12S	08S
545100.1210S	12S	10S
545100.1410S	14S	10S
543100.1412S	14S	12S
545100.1612S	16S	12S
545100.1614S	16S	14S
545100.2010S	20S	10S
545100.2012S	20S	12S
545100.2014S	20S	14S
545100.2016S	20S	16S
545100.2516S	25S	16S
545100.2520S	25S	20S
545100.3020S	30S	20S
545100.3025S	30S	25S
545100.3825S	30S	25S

UNIÃO PASSA
PAREDES
 BULKHEAD
 CONNECTION

CÓDIGO
 CODE
F1**F2**

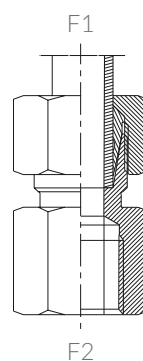
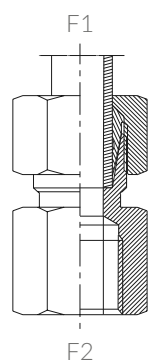
540200.06	06L	06L
540200.08	08L	08L
540200.10	10L	10L
540200.12	12L	12L
540200.15	15L	15L
540200.18	18L	18L
540200.22	22L	22L
540200.28	28L	28L
540200.35	35L	35L
540200.42	42L	42L
540300.06	06S	06S
540300.08	08S	08S
540300.10	10S	10S
540300.12	12S	12S
540300.14	14S	14S
540300.16	16S	16S
540300.20	20S	20S
540300.25	25S	25S
540300.30	30S	30S
540300.38	38S	38S

DIN 2353 24°

**UNIÃO
PASSA-PAREDES
BULKHEAD
CONNECTION**
**CÓDIGO
CODE**
F1**F2**
**PORCA
PASSA-PAREDES
BULKHEAD NUT**
**CÓDIGO
CODE**
F1

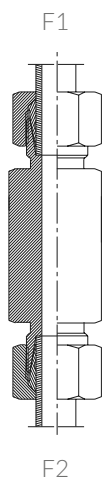
540205.0602	06L	1/8"
540205.0804	08L	1/4"
540205.1004	10L	1/4"
540205.1206	12L	3/8"
540205.1508	15L	1/2"
540205.1808	18L	1/2"
540205.2212	22L	3/4"
540205.2816	28L	1"
540205.3520	35L	1.1/4"
540205.4224	42L	1.1/2"
540305.0604	06S	1/4"
540305.0804	08S	1/4"
540305.1006	10S	3/8"
540305.1206	12S	3/8"
540305.1408	14S	1/2"
540305.1608	16S	1/2"
540305.2012	20S	3/4"
540305.2516	25S	1"
540305.3020	30S	1.1/4"
540305.3824	38S	1.1/2"

543710.06	12X1,5
543710.08	14X1,5
543710.10	16X1,5
543710.12	18X1,5
543710.15	22X1,5
543710.18	26X1,5
543710.22	30X2
543710.28	36X2
543710.35	45X2
543710.42	52X2
543715.06	14X1,5
543715.08	16X1,5
543715.10	18X1,5
543715.12	20X1,5
543715.14	22X1,5
543715.16	24X1,5
543715.20	30X2
543715.25	36X2
543715.30	42X2
543715.38	52X2

**UNIÃO TUBO FÊMEA
FIXA BSPP
FEMALE STUD
COUPLING**
**CÓDIGO
CODE**
F1**F2**
**UNIÃO TUBO FÊMEA
FIXA MÉTRICA
FEMALE STUD
COUPLING**
**CÓDIGO
CODE**
F1**F2**

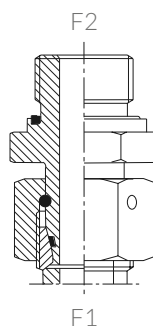
543700.0602	06L	1/8"
543700.0804	08L	1/4"
543700.1004	10L	1/4"
543700.1206	12L	3/8"
543700.1508	15L	1/2"
543700.1808	18L	1/2"
543700.2212	22L	3/4"
543700.2816	28L	1"
543700.3520	35L	1.1/4"
543700.4224	42L	1.1/2"
543701.0604	06S	1/4"
543701.0804	08S	1/4"
543701.1006	10S	3/8"
543701.1206	12S	3/8"
543701.1408	14S	1/2"
543701.1608	16S	1/2"
543701.2012	20S	3/4"
543701.2516	25S	1"
543701.3020	30S	1.1/4"
543701.3824	38S	1.1/2"

543702.0610	06L	10X1
543702.0812	08L	12X1,5
543702.1014	10L	14X1,5
543702.1016	10L	16X1,5
543702.1216	12L	16X1,5
543702.1518	15L	18X1,5
543702.1822	18L	22X1,5
543702.2226	22L	26X1,5
543702.2833	28L	33X2
543702.3542	35L	42X2
543702.4248	42L	48X2
543703.0612	06S	12X1,5
543703.0814	08S	14X1,5
543703.1016	10S	16X1,5
543703.1218	12S	18X1,5
543703.1420	14S	20X1,5
543703.1622	16S	22X1,5
543703.2027	20S	27X2
543703.2533	25S	33X2
543703.3042	30S	42X2
543703.3848	38S	48X2

**PROLONGAMENTO
TUBO-TUBO SOLDAR**
WELDING BULKHEAD
CONNECTION

**CÓDIGO
CODE**
F1**F2**

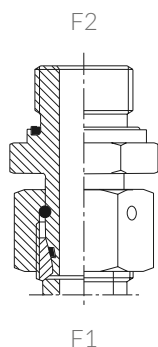
543715.06	06L	06L
543715.08	08L	08L
543715.10	10L	10L
543715.12	12L	12L
543715.15	15L	15L
543715.18	18L	18L
543715.22	22L	22L
543715.28	28L	28L
543715.35	35L	35L
543715.42	42L	42L
543715.06	06S	06S
543715.08	08S	08S
543715.10	10S	10S
543715.12	12S	12S
543715.14	14S	14S
543715.16	16S	16S
543715.20	20S	20S
543715.25	25S	25S
543715.30	30S	30S
543715.38	38S	38S

**UNIÃO ORIENTÁVEL
BSPP**

 STRAIGHT STUD
STANDPIPE ADAPTER
WITH CAPTIVE SEAL
AND O-RING FORM E
DIN 3852

**CÓDIGO
CODE**
F1**F2**

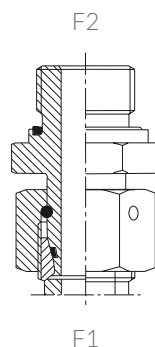
542001.0602	06L	1/8"
542001.0804	08L	1/4"
542001.1004	10L	1/4"
542001.1206	12L	3/8"
542001.1508	15L	1/2"
542001.1808	18L	1/2"
542001.2212	22L	3/4"
542001.2816	28L	1"
542001.3520	35L	1.1/4"
542001.4224	42L	1.1/2"
542001.0406S	06S	1/4"
542001.0408S	08S	1/4"
542001.0610S	10S	3/8"
542001.0612S	12S	3/8"
542001.0814S	14S	1/2"
542001.0816S	16S	1/2"
542001.1220S	20S	3/4"
542001.1625S	25S	1"
542001.2030S	30S	1.1/4"
542001.2438S	38S	1.1/2"

**UNIÃO ORIENTÁVEL
MÉTRICA**

 STRAIGHT STUD
STANDPIPE
ADAPTER WITH
CAPTIVE SEAL AND
O-RING FORM E DIN
3852

**CÓDIGO
CODE**
F1**F2**

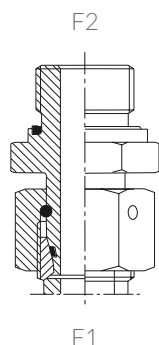
542002.0610	06L	10x1
542002.0812	08L	12x1,5
542002.1014	10L	14x1,5
542002.1216	12L	16x1,5
542002.1518	15L	18x1,5
542002.1822	18L	22x1,5
542002.2226	22L	26x1,5
542002.2833	28L	33x2
542002.3542	35L	42x2
542002.4248	42L	48x2
542002.0612S	06S	12x1,5
542002.0814S	08S	14x1,5
542002.1016S	10S	16x1,5
542002.1218S	12S	18x1,5
542002.1420S	14S	20x1,5
542002.1622S	16S	22x1,5
542002.2027S	20S	27x2
542002.2533S	25S	33x2
542002.3042S	30S	42x2
542002.3848S	38S	48x2

**UNIÃO ORIENTÁVEL
UNF**

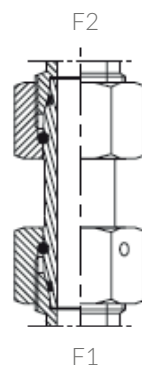
 STRAIGHT STUD
STANDPIPE
ADAPTER WITH
O-RING

**CÓDIGO
CODE**
F1**F2**

542004.0604	06L	7/16"
542004.0804	08L	7/16"
542004.1006	10L	9/16"
542004.1208	12L	3/4"
542004.1510	15L	7/8"
542004.1810	18L	7/8"
542004.2212	22L	1.1/16"
542004.2816	28L	1.5/16"
542004.3520	35L	1.5/8"
542004.4224	42L	1.7/8"
542004.0604S	06S	7/16"
542004.0806S	08S	9/16"
542004.1006S	10S	9/16"
542004.1208S	12S	3/4"
542004.1410S	14S	7/8"
542004.1610S	16S	7/8"
542004.2012S	20S	1.1/16"
542004.2516S	25S	1.5/16"
542004.3020S	30S	1.5/8"
542004.3824S	38S	1.7/8"

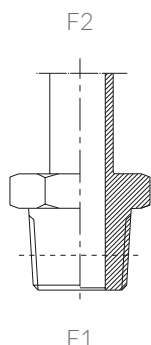
DIN 2353 24°

**UNIÃO ORIENTÁVEL
NPT
STUD STANDPIPE
ADAPTER**

**CÓDIGO
CODE**
F1**F2**

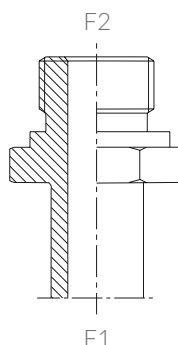
542005.0602	06L	1/8"
542005.0804	08L	1/4"
542005.1004	10L	1/4"
542005.1206	12L	3/8"
542005.1508	15L	1/2"
542005.1808	18L	1/2"
542005.2212	22L	3/4"
542005.2816	28L	1"
542005.3520	35L	1.1/4"
542005.4224	42L	1.1/2"
542005.0604S	06S	1/4"
542005.0804S	08S	1/4"
542005.1006S	10S	3/8"
542005.1206S	12S	3/8"
542005.1408S	14S	1/2"
542005.1608S	16S	1/2"
542005.2012S	20S	3/4"
542005.2516S	25S	1"
542005.3020S	30S	1.1/4"
542005.3824S	38S	1.1/2"

**UNIÃO FÊMEA-
FÊMEA
STRAIGHT
COUPLING WITH
O-RING**

**CÓDIGO
CODE**
F1**F2**

546295.06	06L	06L
546295.08	08L	08L
546295.10	10L	10L
546295.12	12L	12L
546295.15	15L	15L
546295.18	18L	18L
546295.22	22L	22L
546295.28	28L	28L
546295.35	35L	35L
546295.42	42L	42L
546300.06	06S	06S
546300.08	08S	08S
546300.10	10S	10S
546300.12	12S	12S
546300.14	14S	14S
546300.16	16S	16S
546300.20	20S	20S
546300.25	25S	25S
546300.30	30S	30S
546300.38	38S	38S

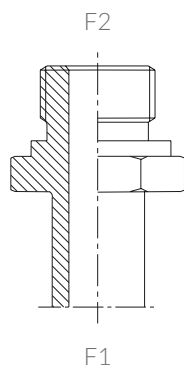
**UNIÃO ORIENTÁVEL
NPT
STUD STANDPIPE
ADAPTER**

**CÓDIGO
CODE**
F1**F2**

546165.0602	1/8"	06L
546165.0804	1/4"	08L
546165.1004	1/4"	10L
546165.1206	3/8"	12L
546165.1508	1/2"	15L
546165.1808	1/2"	18L
546165.2212	3/4"	22L
546165.2816	1"	28L
546165.3520	1.1/4"	35L
546165.4224	1.1/2"	42L
546166.0604	1/4"	06S
546166.0804	1/4"	08S
546166.1006	3/8"	10S
546166.1206	3/8"	12S
546166.1408	1/2"	14S
546166.1608	1/2"	16S
546166.2012	3/4"	20S
546166.2516	1"	25S
546166.3020	1.1/4"	30S
546166.3824	1.1/2"	38S

**UNIÃO ORIENTÁVEL
MACHO BSPP
STUD STANDPIPE
ADAPTER**

**CÓDIGO
CODE**
F1**F2**

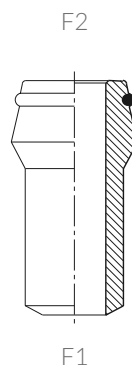
546167.0602	06L	1/8"
546167.0804	08L	1/4"
546167.1004	10L	1/4"
546167.1206	12L	3/8"
546167.1508	15L	1/2"
546167.1808	18L	1/2"
546167.2212	22L	3/4"
546167.2816	28L	1"
546167.3520	35L	1.1/4"
546167.4224	42L	1.1/2"
546168.0604	06S	1/4"
546168.0804	08S	1/4"
546168.1006	10S	3/8"
546168.1206	12S	3/8"
546168.1408	14S	1/2"
546168.1608	16S	1/2"
546168.2012	20S	3/4"
546168.2516	25S	1"
546168.3020	30S	1.1/4"
546168.3824	38S	1.1/2"

**UNIÃO ORIENTÁVEL
MACHO MÉTRICO**
STUD STANDPIPE
ADAPTER FORM B
DIN 3852



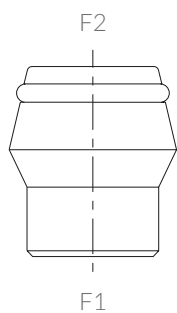
CÓDIGO CODE	F1	F2
546169.0610	10X1	06L
546169.0812	12X1,5	08L
546169.1014	14X1,5	10L
546169.1216	16X1,5	12L
546169.1518	18X1,5	15L
546169.1822	22X1,5	18L
546169.2226	26X1,5	22L
546169.2833	33X2	28L
546169.3542	42X2	35L
546169.4248	48X2	42L
546170.0612	12X1,5	06S
546170.0814	14X1,5	08S
546170.1016	16X1,5	10S
546170.1218	18X1,5	12S
546170.1420	20X1,5	14S
546170.1622	22X1,5	16S
546170.2027	27X2	20S
546170.2533	33X2	25S
546170.3042	42X2	30S
546170.3848	48X2	38S

**PONTEIRA DIN P/
SOLDAR**
WELDING NIPPLES
WITH O-RING SEAL
DIN 3865 A-ISO
8434-4



CÓDIGO CODE	F1	SÉRIE SERIE
540009.06	06	L/S
540009.08	08	L/S
540009.10	10	L/S
540009.12	12	L/S
540009.15	15	L
540009.18	18	L
540009.22	22	L
540009.28	28	L
540009.35	35	L
540009.42	42	L
540009.14	14	S
540009.16	16	S
540009.20	20	S
540009.25	25	S
540009.30	30	S

TACO P/PORCA
PIPE PLUG DIN



CÓDIGO CODE	F1	F2
540060.06	06	L
540060.08	08	L
540060.10	10	L
540060.12	12	L
540060.15	15	L
540060.18	18	L
540060.22	22	L
540060.28	28	L
540060.35	35	L
540060.42	42	L
540065.06	6	S
540065.08	8	S
540065.10	10	S
540065.12	12	S
540065.14	14	S
540065.16	16	S
540065.20	20	S
540065.25	25	S
540065.30	30	S
540065.38	38	S

DIN 2353 24°

REDUÇÃO TUBO-
ORIENTÁVEL
STANDPIPE/TUBE
REDUCERCÓDIGO
CODE

F1

F2

REDUÇÃO TUBO-
ORIENTÁVEL
STANDPIPE/TUBE
REDUCERCÓDIGO
CODE

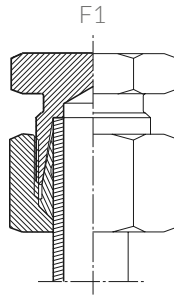
F1

F2



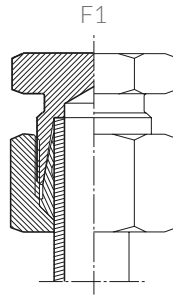
546150.0608	06L	08L
546150.0610	06L	10L
546150.0612	06L	12L
546150.0615	06L	15L
546150.0618	06L	18L
546150.0622	06L	22L
546150.0628	06L	28L
546150.0635	06L	35L
546150.0642	06L	42L
546150.0810	08L	10L
546150.0812	08L	12L
546150.0815	08L	15L
546150.0818	08L	18L
546150.0822	08L	22L
546150.0828	08L	28L
546150.0835	08L	35L
546150.0842	08L	42L
546150.1012	10L	12L
546150.1015	10L	15L
546150.1018	10L	18L
546150.1022	10L	22L
546150.1028	10L	28L
546150.1035	10L	35L
546150.1042	10L	42L
546150.1215	12L	15L
546150.1218	12L	18L
546150.1222	12L	22L
546150.1228	12L	28L
546150.1235	12L	35L
546150.1242	12L	42L
546150.1518	15L	18L
546150.1522	15L	22L
546150.1528	15L	28L
546150.1535	15L	35L
546150.1542	15L	42L
546150.1822	18L	22L
546150.1828	18L	28L
546150.1835	18L	35L
546150.1842	18L	42L
546150.2228	22L	12L
546150.2235	22L	35L
546150.2242	22L	42L
546150.2835	28L	35L
546150.2842	28L	42L
546150.3542	35L	42L

546160.0608	06L	08L
546160.0610	06L	10L
546160.0612	06L	12L
546160.0614	06L	14L
546160.0616	06L	16L
546160.0620	06L	20L
546160.0625	06L	25L
546160.0630	06L	30L
546160.0638	06L	38L
546160.0810	08L	10L
546160.0812	08L	12L
546160.0814	08L	14L
546160.0816	08L	16L
546160.0820	08L	20L
546160.0825	08L	25L
546160.0830	08L	30L
546160.0838	08L	38L
546160.1012	10L	12L
546160.1014	10L	14L
546160.1016	10L	16L
546160.1020	10L	20L
546160.1025	10L	25L
546160.1030	10L	30L
546160.1038	10L	38L
546160.1214	12L	14L
546160.1216	12L	16L
546160.1220	12L	20L
546160.1225	12L	25L
546160.1230	12L	30L
546160.1238	12L	38L
546160.1416	14L	16L
546160.1420	14L	20L
546160.1425	14L	25L
546160.1430	14L	30L
546160.1438	14L	38L
546160.1620	16L	20L
546160.1625	16L	25L
546160.1630	16L	30L
546160.1638	16L	38L
546160.2025	20L	25L
546160.2030	20L	30L
546160.2038	20L	38L
546160.2530	25L	30L
546160.2538	25L	38L
546160.3038	30L	38L

TACO MACHO
 PIPE PLUG DIN 24^a
CÓDIGO
 CODE
F1

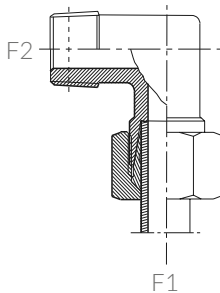
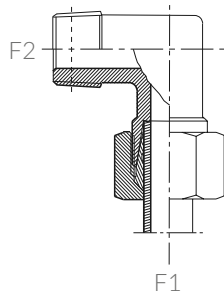
540075.06	06L
540075.08	08L
540075.10	10L
540075.12	12L
540075.15	15L
540075.18	18L
540075.22	22L
540075.28	28L
540075.35	35L
540075.42	42L
540075.06	42L
540076.06	06S
540076.08	08S
540076.10	10S
540076.12	12S
540076.14	14S
540076.16	16S
540076.20	20S
540076.25	25S
540076.30	30S
540076.38	38S

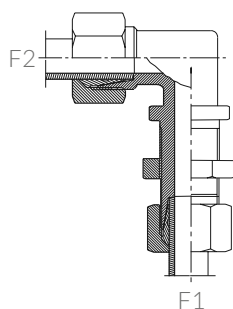
TACO MACHO
MÉTRICO CHAVE
UNBRAKO
 INNER HEXAGON
 PLUG PACKING RING
 FORM E DIN 3852

CÓDIGO
 CODE
F1

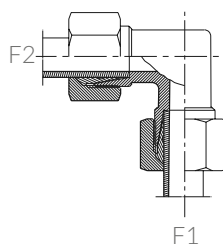
540072.10	10X1
540072.12	12X1,5
540072.14	14X1,5
540072.16	16X1,5
540072.18	18X1,5
540072.20	20X1,5
540072.22	22X1,5
540072.26	26X1,5
540072.27	27X2
540072.33	33X2
540072.42	42X2
540072.48	48X2

DIN 2353 24°

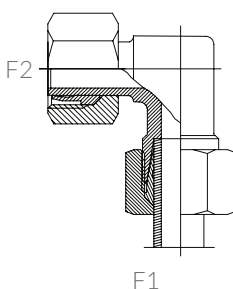
JOELHO TUBO-ROSCA BSPT STUD ELBOW	CÓDIGO CODE	F1	F2	JOELHO TUBO-ROSCA NPT STUD ELBOW	CÓDIGO CODE	F1	F2
	544101.0602	06L	1/8"		544100.0602	06L	1/8"
	544101.0604	06L	1/4"		544100.0604	06L	1/4"
	544101.0802	08L	1/8"		544100.0802	08L	1/8"
	544101.0804	08L	1/4"		544100.0804	08L	1/4"
	544101.0806	08L	3/8"		544100.0806	08L	3/8"
	544101.0808	08L	1/2"		544100.0808	08L	1/2"
	544101.1002	10L	1/8"		544100.1002	10L	1/8"
	544101.1004	10L	1/4"		544100.1004	10L	1/4"
	544101.1006	10L	3/8"		544100.1006	10L	3/8"
	544101.1008	10L	1/2"		544100.1008	10L	1/2"
	544101.1204	12L	1/4"		544100.1204	12L	1/4"
	544101.1206	12L	3/8"		544100.1206	12L	3/8"
	544101.1208	12L	1/2"		544100.1208	12L	1/2"
	544101.1506	15L	3/8"		544100.1506	15L	3/8"
	544101.1508	15L	1/2"		544100.1508	15L	1/2"
	544101.1808	18L	1/2"		544100.1808	18L	1/2"
	544101.1812	18L	3/4"		544100.1812	18L	3/4"
	544101.2212	22L	3/4"		544100.2212	22L	3/4"
	544101.2816	28L	1"		544100.2816	28L	1"
	544101.3520	35L	1.1/4"		544100.3520	35L	1.1/4"
	544101.4224	42L	1.1/2"		544100.4224	42L	1.1/2"
	544501.0604	06S	1/4"		544500.0604	06S	1/4"
	544501.0804	08S	1/4"		544500.0804	08S	1/4"
	544501.1006	10S	3/8"		544500.1006	10S	3/8"
	544501.1206	12S	3/8"		544500.1206	12S	3/8"
	544501.1208	12S	1/2"		544500.1208	12S	1/2"
	544501.1406	14S	3/8"		544500.1406	14S	3/8"
	544501.1408	14L	1/2"		544500.1408	14L	1/2"
	544501.1606	16L	3/8"		544500.1606	16L	3/8"
	544501.1608	16L	1/2"		544500.1608	16L	1/2"
	544501.2008	20L	1/2"		544500.2008	20L	1/2"
	544501.2012	20L	3/4"		544500.2012	20L	3/4"
	544501.2512	25L	3/4"		544500.2512	25L	3/4"
	544501.2516	25L	1"		544500.2516	25L	1"
	544501.3016	30L	1"		544500.3016	30L	1"
	544501.3020	30L	1.1/4"		544500.3020	30L	1.1/4"
	544501.3824	38L	1.1/2"		544500.3824	38L	1.1/2"

**JOELHO
TUBO-ROSCA BSPT
STUD ELBOW**
**CÓDIGO
CODE**
F1
F2


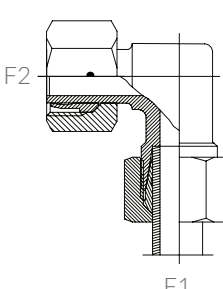
540350.06	12X1,5	12X1,5
540350.08	14X1,5	14X1,5
540350.10	16X1,5	16X1,5
540350.12	18X1,5	18X1,5
540350.15	22X1,5	22X1,5
540350.18	26X1,5	26X1,5
540350.22	30X2	30X2
540350.28	36X2	36X2
540350.35	45X2	45X2
540350.42	52X2	52X2
540352.06	14X1,5	14X1,5
540352.08	16X1,5	16X1,5
540352.10	18X1,5	18X1,5
540352.12	20X1,5	20X1,5
540352.14	22X1,5	22X1,5
540352.16	24X1,5	24X1,5
540352.20	30X2	30X2
540352.25	36X2	36X2
540352.30	42X2	42X2
540352.38	52X2	52X2

**JOELHO
TUBO-ROSCA BSPT
STUD ELBOW**
**CÓDIGO
CODE**
F1
F2


540800.06	06L	06L
540800.08	08L	08L
540800.10	10L	10L
540800.12	12L	12L
540800.15	15L	15L
540800.18	18L	18L
540800.22	22L	22L
540800.28	28L	28L
540800.35	35L	35L
540800.42	42L	42L
541000.06	06S	06S
541000.08	08S	08S
541000.10	10S	10S
541000.12	12S	12S
541000.14	14S	14S
541000.16	16S	16S
541000.20	20S	20S
541000.25	25S	25S
541000.30	30S	30S
541000.38	38S	38S

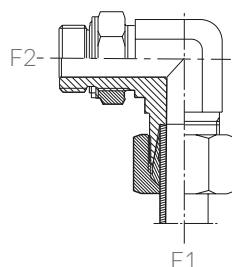
**JOELHO
ORIENTÁVEL
ANGULAR ROTARY
FITTING**
**CÓDIGO
CODE**
F1
F2


541800.0606	06L	06L
541800.0808	08L	08L
541800.1010	10L	10L
541800.1212	12L	12L
541800.1515	15L	15L
541800.1818	18L	18L
541800.2222	22L	22L
541800.2828	28L	28L
541800.3535	35L	35L
541800.4242	42L	42L
542000.0606	06S	06S
542000.0808	08S	08S
542000.1010	10S	10S
542000.1212	12S	12S
542000.1414	14S	14S
542000.1616	16S	16S
542000.2020	20S	20S
542000.2525	25S	25S
542000.3030	30S	30S
542000.3838	38S	38S

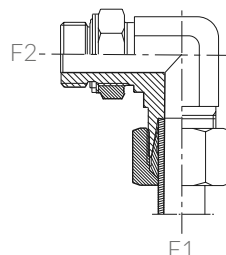
**JOELHO
ORIENTÁVEL
COM FREIO
ANGULAR ROTARY
FITTING WITH
O-RING SEAL**
**CÓDIGO
CODE**
F1
F2


541801.0606	06L	06L
541801.0808	08L	08L
541801.1010	10L	10L
541801.1212	12L	12L
541801.1515	15L	15L
541801.1818	18L	18L
541801.2222	22L	22L
541801.2828	28L	28L
541801.3535	35L	35L
541801.4242	42L	42L
542001.0606	06S	06S
542001.0808	08S	08S
542001.1010	10S	10S
542001.1212	12S	12S
542001.1414	14S	14S
542001.1616	16S	16S
542001.2020	20S	20S
542001.2525	25S	25S
542001.3030	30S	30S
542001.3838	38S	38S

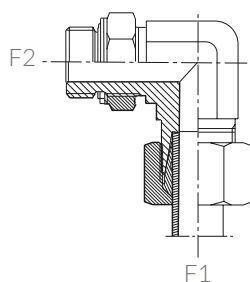
DIN 2353 24°

**JOELHO
TUBO-ROSCA
ORIENTÁVEL**
ANGULAR ROTARY
FITTING WITH
BULKHEAD NUT


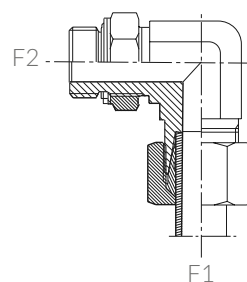
CÓDIGO CODE	F1	F2
544510.0602	06L	1/8"
544510.0804	08L	1/4"
544510.1004	10L	1/4"
544510.1206	12L	3/8"
544510.1508	15L	1/2"
544510.1808	18L	1/2"
544510.2212	22L	3/4"
544510.2816	28L	1"
544510.3520	35L	1.1/4"
544510.4224	42L	1.1/2"
544511.0604	06S	1/4"
544511.0804	08S	1/4"
544511.1006	10S	3/8"
544511.1206	12S	3/8"
544511.1408	14S	1/2"
544511.1608	16S	1/2"
544511.2012	20S	3/4"
544511.2516	25S	1"
544511.3020	30S	1.1/4"
544511.3824	38S	1.1/2"

**JOELHO
TUBO-ROSCA UNF
ORIENTÁVEL**
ANGULAR ROTARY
FITTING WITH
BULKHEAD NUT


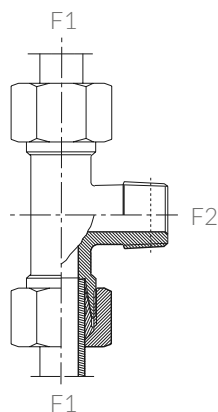
CÓDIGO CODE	F1	F2
544102.0604	06L	7/16"
544102.0804	08L	7/16"
544102.1006	10L	9/16"
544102.1206	12L	9/16"
544102.1208	12L	3/4"
544102.1508	15L	3/4"
544102.1510	15L	7/8"
544102.1810	18L	7/8"
544102.1812	18L	1.1/16"
544102.2212	22L	1.1/16"
544102.2816	28L	1.5/16"
544102.3520	35L	1.5/8"
544102.4224	42L	1.7/8"
544103.0604	06S	7/16"
544103.0806	08S	9/16"
544103.1006	10S	9/16"
544103.1208	12S	3/4"
544103.1410	14S	7/8"
544103.1610	16S	7/8"
544103.2012	20S	1.1/16"
544103.2512	25S	1.1/16"
544103.3020	30S	1.5/8"
544103.3824	38S	1.7/8"

**JOELHO TUBO-ROSCA
MÉTRICO
ORIENTÁVEL**
METRIC ANGULAR
ROTARY FITTING WITH
BULKHEAD NUT WITH
O-RING SEAL


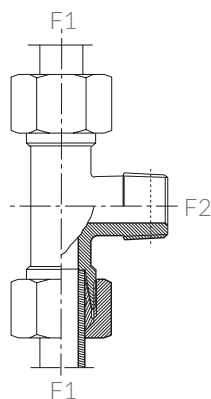
CÓDIGO CODE	F1	F2
544104.0610	06L	10X1
544104.0812	08L	12X1,5
544104.1014	10L	14X1,5
544104.1216	12L	16X1,5
544104.1518	15L	18X1,5
544104.1822	18L	22X1,5
544104.2227	22L	27X2
544104.2833	28L	33X2
544104.3542	35L	42X2
544104.4248	42L	48X2
544105.0612	06S	12X1,5
544105.0814	08S	14X1,5
544105.1016	10S	16X1,5
544105.1218	12S	18X1,5
544105.1622	16S	22X1,5
544105.2027	20S	27X2
544105.2533	25S	33X2
544105.3042	30S	42X2
544105.3848	38S	48X2

**JOELHO TUBO-ROSCA
MÉTRICO
ORIENTÁVEL**
METRIC ANGULAR
ROTARY FITTING WITH
BULKHEAD NUT WITH
O-RING SEAL


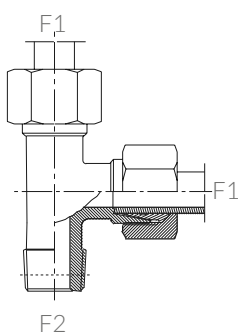
CÓDIGO CODE	F1	F2
544104.0610	06L	10X1
544104.0812	08L	12X1,5
544104.1014	10L	14X1,5
544104.1216	12L	16X1,5
544104.1518	15L	18X1,5
544104.1822	18L	22X1,5
544104.2227	22L	27X2
544104.2833	28L	33X2
544104.3542	35L	42X2
544104.4248	42L	48X2
544105.0612	06S	12X1,5
544105.0814	08S	14X1,5
544105.1016	10S	16X1,5
544105.1218	12S	18X1,5
544105.1622	16S	22X1,5
544105.2027	20S	27X2
544105.2533	25S	33X2
544105.3042	30S	42X2
544105.3848	38S	48X2

**T TUBO-ROSCA
CENTRAL BSPT
STUD
BRANCH "T"**


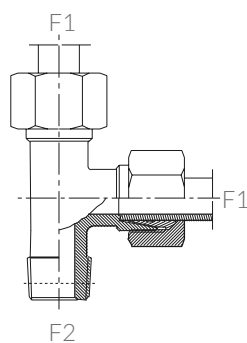
CÓDIGO CODE	F1	F2
541510.0602	06L	1/8"
541510.0804	08L	1/4"
541510.1004	10L	1/4"
541510.1206	12L	3/8"
541510.1508	15L	1/2"
541510.1808	18L	1/2"
541510.2212	22L	3/4"
541510.2816	28L	1"
541510.3520	35L	1.1/4"
541510.4224	42L	1.1/2"
541511.0604	06S	1/4"
541511.0804	08S	1/4"
541511.1006	10S	3/8"
541511.1206	12S	3/8"
541511.1408	14S	1/2"
541511.1608	16S	1/2"
541511.2012	20S	3/4"
541511.2516	25S	1"
541511.3020	30S	1.1/4"
541511.3824	38S	1.1/2"

**T TUBO ROSCA
CENTRAL NPT
NPT STUD BRANCH "T"**


CÓDIGO CODE	F1	F2
541512.0602	06L	1/8"
541512.0804	08L	1/4"
541512.1004	10L	1/4"
541512.1206	12L	3/8"
541512.1508	15L	1/2"
541512.1808	18L	1/2"
541512.2212	22L	3/4"
541512.2816	28L	1"
541512.3520	35L	1.1/4"
541512.4224	42L	1.1/2"
541513.0604	06S	1/4"
541513.0804	08S	1/4"
541513.1006	10S	3/8"
541513.1206	12S	3/8"
541513.1408	14S	1/2"
541513.1608	16S	1/2"
541513.2012	20S	3/4"
541513.2516	25S	1"
541513.3020	30S	1.1/4"
541513.3824	38S	1.1/2"

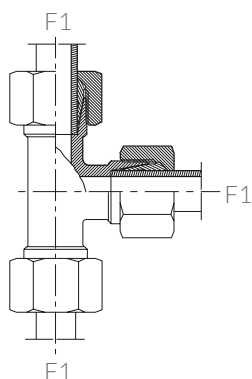
**T TUBO ROSCA
LATERAL BSPT
STUD BARREL "T"**


CÓDIGO CODE	F1	F2
541520.0602	06L	1/8"
541520.0804	08L	1/4"
541520.1004	10L	1/4"
541520.1206	12L	3/8"
541520.1508	15L	1/2"
541520.1808	18L	1/2"
541520.2212	22L	3/4"
541520.2816	28L	1"
541520.3520	35L	1.1/4"
541520.4224	42L	1.1/2"
541521.0604	06S	1/4"
541521.0804	08S	1/4"
541521.1006	10S	3/8"
541521.1206	12S	3/8"
541521.1408	14S	1/2"
541521.1608	16S	1/2"
541521.2012	20S	3/4"
541521.2516	25S	1"
541521.3020	30S	1.1/4"
541521.3824	38S	1.1/2"

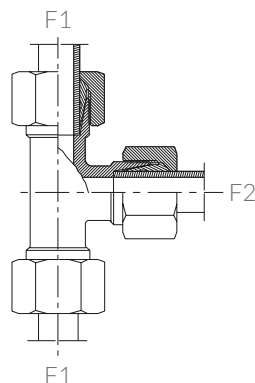
**T TUBO ROSCA
LATERAL NPT
NPT STUD BARREL "T"**


CÓDIGO CODE	F1	F2
541522.0602	06L	1/8"
541522.0804	08L	1/4"
541522.1004	10L	1/4"
541522.1206	12L	3/8"
541522.1508	15L	1/2"
541522.1808	18L	1/2"
541522.2212	22L	3/4"
541522.2816	28L	1"
541522.3520	35L	1.1/4"
541522.4224	42L	1.1/2"
541523.0604	06S	1/4"
541523.0804	08S	1/4"
541523.1006	10S	3/8"
541523.1206	12S	3/8"
541523.1408	14S	1/2"
541523.1608	16S	1/2"
541523.2012	20S	3/4"
541523.2516	25S	1"
541523.3020	30S	1.1/4"
541523.3824	38S	1.1/2"

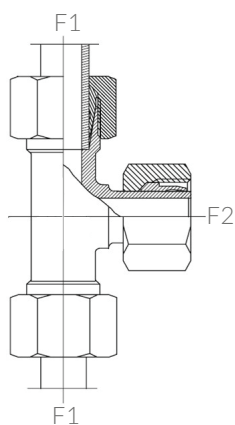
DIN 2353 24°

**T TUBO-TUBO
EQUAL "T"****CÓDIGO
CODE****F1**

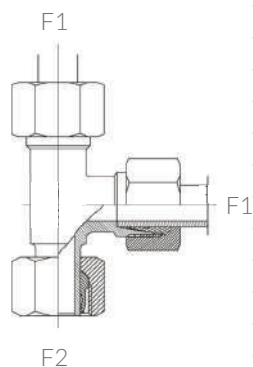
541200.0606	06L
541200.0808	08L
541200.1010	10L
541200.1212	12L
541200.1515	15L
541200.1818	18L
541200.2222	22L
541200.2828	28L
541200.3535	35L
541200.4242	42L
541523.0604	06S
541523.0804	08S
541523.1006	10S
541523.1206	12S
541523.1408	14S
541523.1608	16S
541523.2012	20S
541523.2516	25S
541523.3020	30S
541523.3824	38S

**T REDUÇÃO
REDUCED "T"****CÓDIGO
CODE****F1****F2**

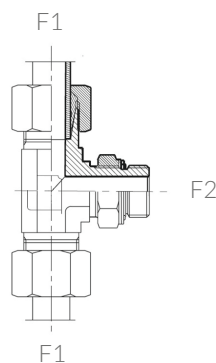
541530.0608	06L	08L
541530.0806	08L	06L
541530.0610	06L	10L
541530.0810	08L	10L
541530.1006	10L	06L
541530.1008	10L	08L
541530.0812	08L	12L
541530.1206	12L	06L
541530.1208	12L	08L
541530.1210	12L	10L
541530.1015	10L	15L
541530.1215	12L	15L
541530.1506	15L	06L
541530.1510	15L	10L
541530.1512	15L	12L
541530.1218	12L	18L
541530.1810	18L	10L
541530.1812	18L	12L
541530.1815	18L	15L
541530.2210	22L	10L
541530.2212	22S	12S
541530.2215	22L	15L
541530.2218	22L	18L
541530.2810	28L	10L
541530.2812	28L	12L
541530.2815	28L	15L
541530.2818	28L	18L
541530.2822	28L	22L
541531.1006	10S	06S
541531.1208	12S	08S
541531.1210	12S	10S
541531.1216	12S	16S
541531.1606	16S	06S
541531.1608	16S	08S
541531.1610	16S	10S
541531.1612	28L	12L
541531.1620	16S	20S
541531.2010	20S	10S
541531.2012	20S	12S
541531.2016	20S	16S
541531.2025	20S	25S
541531.2516	25S	16S
541531.2520	25S	20S
541531.2530	25S	30S

**T ORIENTÁVEL
CENTRAL
"T" ROTARY FITTING****CÓDIGO
CODE****F1****F2**

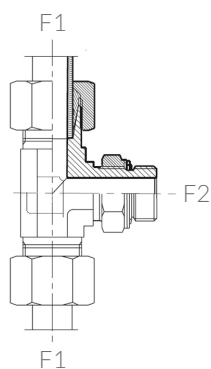
541505.0606	06L	06L
541505.0808	08L	08L
541505.1010	10L	10L
541505.1212	12L	12L
541505.1515	15L	15L
541505.1818	18L	18L
541505.2222	22L	22L
541505.2828	28L	28L
541505.3535	35L	35L
541505.4242	42L	42L
541506.0606	06S	06S
541506.0808	08S	08S
541506.1010	10S	10S
541506.1212	12S	12S
541506.1414	14S	14S
541506.1616	16S	16S
541506.2020	20S	20S
541506.2525	25S	25S
541506.3030	30S	30S
541506.3838	38S	38S

**T ORIENTÁVEL
LATERAL**
"T" ROTARY FITTING


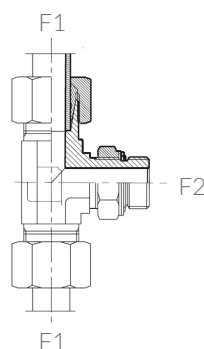
CÓDIGO CODE	F1	F2
541504.0606	06L	06L
541504.0808	08L	08L
541504.1010	10L	10L
541504.1212	12L	12L
541504.1515	15L	15L
541504.1818	18L	18L
541504.2222	22L	22L
541504.2828	28L	28L
541504.3535	35L	35L
541504.4242	42L	42L
541504.0606S	06S	06S
541504.0808S	08S	08S
541504.1010S	10S	10S
541504.1212S	12S	12S
541504.1414S	14S	14S
541504.1616S	16S	16S
541504.2020S	20S	20S
541504.2525S	25S	25S
541504.3030S	30S	30S
541504.3838S	38S	38S

**T ORIENTÁVEL CEN-
TRAL BSP**
BSP "T" ROTARY
FITTING WITH
BULKHEAD NUT


CÓDIGO CODE	F1	F2
541535.0602	06L	1/8"
541535.0804	08L	1/4"
541535.1004	10L	1/4"
541535.1206	12L	3/8"
541535.1508	15L	1/2"
541535.1808	18L	1/2"
541535.2212	22L	3/4"
541535.2816	28L	1"
541535.3520	35L	1.1/4"
541535.4224	42L	1.1/2"
541536.0604	06S	1/4"
541536.0804	08S	1/4"
541536.1006	10S	3/8"
541536.1206	12S	3/8"
541536.1408	14S	1/2"
541536.1608	16S	1/2"
541536.2012	20S	3/4"
541536.2516	25S	1"
541536.3020	30S	1.1/4"
541536.3824	38S	1.1/2"

**T ORIENTÁVEL
CENTRAL UNF**
UNF "T" ROTARY
FITTING WITH
BULKHEAD NUT


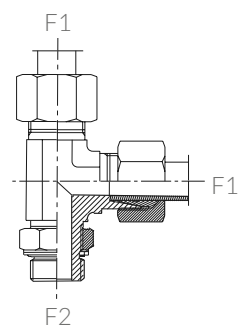
CÓDIGO CODE	F1	F2
541537.0604	06L	7/16"
541537.0804	08L	7/16"
541537.1006	10L	9/16"
541537.1206	12L	9/16"
541537.1208	12L	3/4"
541537.1508	15L	3/4"
541537.1510	15L	7/8"
541537.1810	18L	7/8"
541537.1812	18L	1.1/16"
541537.2212	22L	1.1/16"
541537.2816	28L	1.5/16"
541537.3520	35L	1.5/8"
541537.4224	42L	1.7/8"
541538.0604	06S	7/16"
541538.0806	08S	9/16"
541538.1006	10S	9/16"
541538.1208	12S	3/4"
541538.1410	14S	7/8"
541538.1610	16S	7/8"
541538.2012	20S	1.1/16"
541538.2516	25S	1.5/16"
541538.3020	30S	1.5/8"
541538.3824	38S	1.7/8"

**T ORIENTÁVEL
CENTRAL MÉTRICO**
"T" ROTARY FITTING
WITH BULKHEAD NUT


CÓDIGO CODE	F1	F2
541539.0610	06L	10X1
541539.0812	08L	12X1,5
541539.1014	10L	14X1,5
541539.1216	12L	16X1,5
541539.1518	15L	18X1,5
541539.1822	18L	22X1,5
541539.2227	22L	27X2
541539.2833	28L	33X2
541539.3542	35L	42X2
541539.4248	42L	48X2
541540.0612	06S	12X1,5
541540.0814	08S	14X1,5
541540.1016	10S	16X1,5
541540.1218	12S	18X1,5
541540.1622	16S	22X1,5
541540.2027	20S	27X2
541540.2533	25S	33X2
541540.3042	30S	42X2
541540.3848	38S	48X2

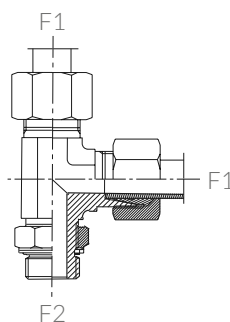
DIN 2353 24°

**T ORIENTÁVEL
CENTRAL BSP
"T" ROTARY BSP
FITTING WITH
BULKHEAD NUT**



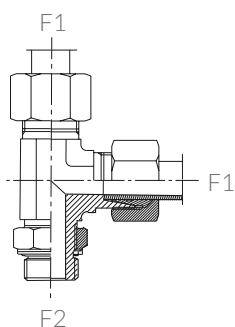
CÓDIGO CODE	F1	F2
541543.0602	06L	1/8"
541543.0804	08L	1/4"
541543.1004	10L	1/4"
541543.1206	12L	3/8"
541543.1508	15L	1/2"
541543.1808	18L	1/2"
541543.2212	22L	3/4"
541543.2816	28L	1"
541543.3520	35L	1.1/4"
541543.4224	42L	1.1/2"
541544.0604	06S	1/4"
541544.0804	08S	1/4"
541544.1006	10S	3/8"
541544.1206	12S	3/8"
541544.1408	16S	1/2"
541544.1608	20S	1/2"
541544.2012	25S	3/4"
541544.2516	25S	1"
541544.3020	30S	1.1/4"
541544.3824	38S	1.1/2"

**T ORIENTÁVEL
CENTRAL UNF
"T" ROTARY UNF
FITTING WITH
BULKHEAD NUT**



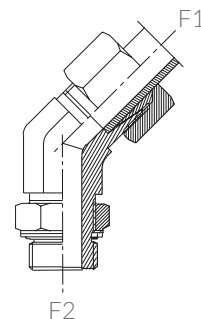
CÓDIGO CODE	F1	F2
541545.0604	06L	7/16"
541545.0804	08L	7/16"
541545.1006	10L	9/16"
541545.1206	12L	9/16"
541545.1208	12L	3/4"
541545.1508	15L	3/4"
541545.1510	15L	7/8"
541545.1810	18L	7/8"
541545.1812	18L	1.1/16"
541545.2212	22L	1.1/16"
541545.2816	28L	1.5/16"
541545.3520	35L	1.5/8"
541545.4224	42L	1.7/8"
541546.0604	06S	7/16"
541546.0806	08S	9/16"
541546.1006	10S	9/16"
541546.1208	12S	3/4"
541546.1410	14S	7/8"
541546.1610	16S	7/8"
541546.2012	20S	1.1/16"
541546.2516	25S	1.5/16"
541546.3020	30S	1.5/8"
541546.3824	38S	1.7/8"

**T ORIENTÁVEL
LATERAL MÉTRICO
METRIC "T"
ROTARY FITTING WITH
BULKHEAD NUT**



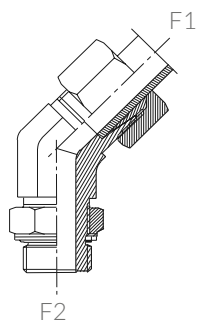
CÓDIGO CODE	F1	F2
541547.0610	06L	10X1
541547.0812	08L	12X1,5
541547.1014	10L	14X1,5
541547.1216	12L	16X1,5
541547.1518	15L	18X1,5
541547.1822	18L	22X1,5
541547.2227	22L	27X2
541547.2833	28L	33X2
541547.3542	35L	42X2
541547.4248	42L	48X2
541548.0612	06S	12X1,5
541548.0814	08S	14X1,5
541548.1016	10S	16X1,5
541548.1218	12S	18X1,5
541548.1622	16S	22X1,5
541548.2027	20S	27X2
541548.2533	25S	33X2
541548.3042	30S	42X2
541548.3848	38S	48X2

**JOELHO 45° TUBO
ROSCA ORIENTÁVEL
BSP
ROTARY 45° FITTING
WITH BSP BULKHEAD
NUT**



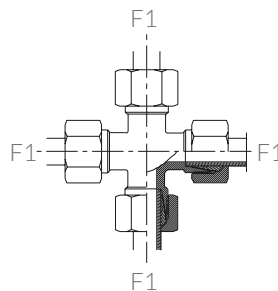
CÓDIGO CODE	F1	F2
541855.0602	06L	1/8"
541855.0804	08L	1/4"
541855.1004	10L	1/4"
541855.1206	12L	3/8"
541855.1508	15L	1/2"
541855.1808	18L	1/2"
541855.2212	22L	3/4"
541855.2816	28L	1"
541855.3520	35L	1.1/4"
541855.4224	42L	1.1/2"
541856.0604	06S	1/4"
541856.0804	08S	1/4"
541856.1006	10S	3/8"
541856.1206	12S	3/8"
541856.1408	14S	1/2"
541856.1608	16S	1/2"
541856.2012	20S	3/4"
541856.2516	25S	1"
541856.3020	30S	1.1/4"
541856.3824	38S	1.1/2"

**JOELHO 45° TUBO
ROSCA ORIENTÁVEL
MÉTRICO**
ROTARY 45°
FITTING WITH METRIC
BULKHEAD NUT



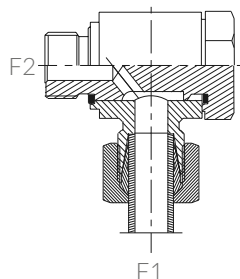
CÓDIGO CODE	F1	F2
541859.0610	06L	10X1
541859.0812	08L	12X1,5
541859.1014	10L	14X1,5
541859.1216	12L	16X1,5
541859.1518	15L	18X1,5
541859.1822	18L	22X1,5
541859.2227	22L	27X2
541859.2833	28L	33X2
541859.3542	35L	42X2
541859.4248	42L	48X2
541860.0612	06S	12X1,5
541860.0814	08S	14X1,5
541860.1016	10S	16X1,5
541860.1218	12S	18X1,5
541860.1622	16S	22X1,5
541860.2027	20S	27X2
541860.2533	25S	33X2
541860.3042	30S	42X2
541860.3848	38S	48X2

**CRUZETA
EQUAL CROSS**



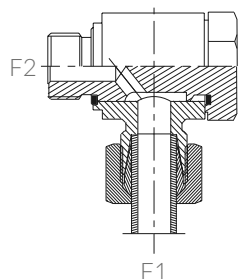
CÓDIGO CODE	F1
540000.0606	06L
540000.0808	08L
540000.1010	10L
540000.1212	12L
540000.1515	15L
540000.1818	18L
540000.2222	22L
540000.2828	28L
540000.3535	35L
540000.4242	42L
540001.0606	06S
540001.0808	08S
540001.1010	10S
540001.1212	12S
540001.1414	14S
540001.1616	16S
540001.2020	20S
540001.2525	25S
540001.3030	30S
540001.3838	38S

**JOELHO BANJO BSP
BSP BANJO**



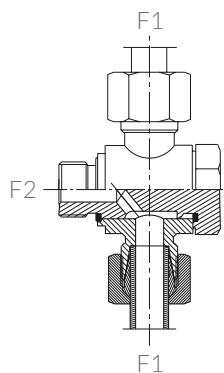
CÓDIGO CODE	F1	F2
541700.0602	06L	1/8"
541700.0804	08L	1/4"
541700.1004	10L	1/4"
541700.1206	12L	3/8"
541700.1508	15L	1/2"
541700.1808	18L	1/2"
541700.2212	22L	3/4"
541700.2816	28L	1"
541700.3520	35L	1.1/4"
541700.4224	42L	1.1/2"
541710.0604	06S	1/4"
541710.0804	08S	1/4"
541710.1006	10S	3/8"
541710.1206	12S	3/8"
541710.1408	14S	1/2"
541710.1608	16S	1/2"
541710.2012	20S	3/4"
541710.2516	25S	1"
541710.3020	30S	1.1/4"
541710.3824	38S	1.1/2"

**JOELHO BANJO
MÉTRICO
METRIC BANJO**

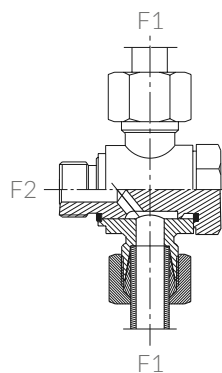


CÓDIGO CODE	F1	F2
541730.0610	06L	10X1
541730.0812	08L	12X1,5
541730.1014	10L	14X1,5
541730.1216	12L	16X1,5
541730.1518	15L	18X1,5
541730.1822	18L	22X1,5
541730.2226	22L	26X1,5
541730.2833	28L	33X2
541730.3542	35L	42X2
541730.4248	42L	48X2
541735.0612	06S	12X1,5
541735.0814	08S	14X1,5
541735.1016	10S	16X1,5
541735.1218	12S	18X1,5
541735.1420	14S	20X1,5
541735.1622	16S	22X1,5
541735.2027	20S	27X2
541735.2533	25S	33X2
541735.3042	30S	42X2
541735.3848	38S	48X2

DIN 2353 24°

T BANJO BSP
DOUBLE ORIENTABLE
FITTING**CÓDIGO**
CODE**F1****F2**

541740.0602	06L	1/8"
541740.0804	08L	1/4"
541740.1004	10L	1/4"
541740.1206	12L	3/8"
541740.1508	15L	1/2"
541740.1808	18L	1/2"
541740.2212	22L	3/4"
541740.2816	28L	1"
541740.3520	35L	1.1/4"
541740.4224	42L	1.1/2"
541735.0612	06S	1/4"
541735.0814	08S	1/4"
541735.1016	10S	3/8"
541735.1218	12S	3/8"
541735.1420	14S	1/2"
541735.1622	16S	1/2"
541735.2027	20S	3/4"
541735.2533	25S	1"
541735.3042	30S	1.1/4"
541735.3848	38S	1.1/2"

T BANJO MÉTRICO
DOUBLE ORIENTABLE
FITTING**CÓDIGO**
CODE**F1****F2**

541750.0610	06L	1/8"
541750.0812	08L	1/4"
541750.1014	10L	1/4"
541750.1216	12L	3/8"
541750.1518	15L	1/2"
541750.1822	18L	1/2"
541750.2226	22L	3/4"
541750.2833	28L	1"
541750.3542	35L	1.1/4"
541750.4248	42L	1.1/2"
541755.0612	06S	1/4"
541755.0814	08S	1/4"
541755.1016	10S	3/8"
541755.1218	12S	3/8"
541755.1420	14S	1/2"
541755.1622	16S	1/2"
541755.2027	20S	3/4"
541755.2533	25S	1"
541755.3042	30S	1.1/4"
541755.3848	38S	1.1/2"