

LIGADOR CILÍNDRICO VERTICAL + OR
FIXED CYLINDRICAL STRAIGHT + OR



REF.	MODELO/ MODEL	A - B	
050104M5	---	04 - M5M	10
050104M6	---	04 - M6M	10
05010418	B250/1	04 - 1/8M	10
05010414	B250/6	04 - 1/4M	10
050106M5	---	06 - M5M	10
050106M6	---	06 - M6M	10
05010618	B250/2	06 - 1/8M	10
05010614	B250/7	06 - 1/4M	10
05010638	B250/11	06 - 3/8M	10
05010612	B250/16	06 - 1/2M	10
05010818	B250/3	08 - 1/8M	10
05010814	B250/8	08 - 1/4M	10
05010838	B250/12	08 - 3/8M	10
05010812	B250/17	08 - 1/2M	10
05011018	B250/4	10 - 1/8M	10
05011014	B250/9	10 - 1/4M	10
05011038	B250/13	10 - 3/8M	10
05011012	B250/18	10 - 1/2M	10
05011218	B250/5	12 - 1/8M	5
05011214	B250/10	12 - 1/4M	5
05011238	B250/14	12 - 3/8M	5
05011212	B250/19	12 - 1/2M	5
05011438	B250/15	14 - 3/8M	5
05011412	B250/20	14 - 1/2M	5
05011512	B250/21	15 - 1/2M	5
05011638	---	16 - 3/8M	5
05011612	B250/22	16 - 1/2M	5

LIGADOR FÊMEA
STRAIGHT FEMALE



REF.	MODELO/ MODEL	A - B	
050204M5	---	04 - M5F	10
050204M6	---	04 - M6F	10
05020418	B252/1	04 - 1/8F	10
05020414	B252/6	04 - 1/4F	10
050206M5	---	06 - M5F	10
050206M6	---	06 - M6F	10
05020618	B252/2	06 - 1/8F	10
05020614	B252/7	06 - 1/4F	10
05020638	B252/11	06 - 3/8F	10
05020612	B252/16	06 - 1/2F	10
05020818	B252/3	08 - 1/8F	10
05020814	B252/8	08 - 1/4F	10
05020838	B252/12	08 - 3/8F	10
05020812	B252/17	08 - 1/2F	10
05021018	B252/4	10 - 1/8F	10
05021014	B252/9	10 - 1/4F	10
05021038	B252/13	10 - 3/8F	10
05021012	B252/18	10 - 1/2F	10
05021218	B252/5	12 - 1/8F	5
05021214	B252/10	12 - 1/4F	5
05021238	B252/14	12 - 3/8F	5
05021212	B252/19	12 - 1/2F	5
05021438	B252/15	14 - 3/8F	5
05021412	B252/20	14 - 1/2F	5
05021512	B252/21	15 - 1/2F	5
05021638	---	16 - 3/8F	5
05021612	B252/22	16 - 1/2F	5

UNIÃO DUPLA
INTERMEDIATE STRAIGHT



REF.	MODELO/ MODEL	A - B	
05030404	B251/1	04 - 04	10
05030604	B265/1	06 - 04	10
05030606	B251/2	06 - 06	10
05030804	---	08 - 04	10
05030806	B265/2	08 - 06	10
05030808	B251/3	08 - 08	10
05031006	---	10 - 06	10
05031008	B265/3	10 - 08	10
05031010	B251/4	10 - 10	10
05031208	---	12 - 08	5
05031210	B265/4	12 - 10	5
05031212	B251/5	12 - 12	5
05031412	B265/5	14 - 12	5
05031414	B251/6	14 - 14	5
05031515	B251/7	15 - 15	5
05031612	---	16 - 12	5
05031614	B265/6	16 - 14	5
05031616	B251/8	16 - 16	5

LIGADOR "JOELHO"
INTERMEDIATE ELBOW



REF.	MODELO/ MODEL	A - A	
05040404	B254/1	04 - 04	10
05040606	B254/2	06 - 06	10
05040808	B254/3	08 - 08	10
05041010	B254/4	10 - 10	10
05041212	B254/5	12 - 12	5
05041414	B254/6	14 - 14	5
05041515	B254/7	15 - 15	5
05041616	B254/8	16 - 16	5

LIGADOR "T"
INTERMEDIATE TEE



REF.	MODELO/ MODEL	A - A - B	
05050404	B259/1	04 - 04 - 04	10
05050604	B269/1	06 - 06 - 04	10
05050606	B259/2	06 - 06 - 06	10
05050804	B269/2	08 - 08 - 04	10
05050806	B269/3	08 - 08 - 06	10
05050808	B259/3	08 - 08 - 08	10
05051006	B269/4	10 - 10 - 06	10
05051008	---	10 - 10 - 08	10
05051010	B259/4	10 - 10 - 10	10
05051210	---	12 - 12 - 10	5
05051212	B259/5	12 - 12 - 12	5
05051414	B259/6	14 - 14 - 14	5
05051515	B259/7	15 - 15 - 15	5
05051612	---	16 - 16 - 12	5
05051616	B259/8	16 - 16 - 16	5

REDUÇÃO FIXA
FIXED REDUCTION



REF.	MODELO/ MODEL	A - B		
05080604	---	06 - 04	10	
05080804	---	08 - 04	10	
05080806	---	08 - 06	10	
05081006	---	10 - 06	10	
05081008	---	10 - 08	10	
05081208	---	12 - 08	5	
05081210	---	12 - 10	5	

ESTANCADOR
BULKHEAD STRAIGHT



REF.	MODELO/ MODEL	A - A - B		
05100404	---	04 - 04 - M12x1	10	
05100606	---	06 - 06 - M14x1	10	
05100808	---	08 - 08 - M16x1	10	
05101010	---	10 - 10 - M20x1	10	
05101212	---	12 - 12 - M22x1	5	
05101414	---	14 - 14 - M24x1	5	
05101616	---	16 - 16 - M27x1	5	

"T" CILÍNDRICO GIRATÓRIO + OR
SWIVEL CYLINDRICAL + OR STUD BRANCH TEE



REF.	MODELO/ MODEL	A - B		
052004M5	---	04 - 04 - M5M	10	
052004M6	---	04 - 04 - M6M	10	
05200418	B255/1	04 - 04 - 1/8M	10	
05200414	B255/6	04 - 04 - 1/4M	10	
052006M5	---	06 - 06 - M5M	10	
052006M6	---	06 - 06 - M6M	10	
05200618	B255/2	06 - 06 - 1/8M	10	
05200614	B255/7	06 - 06 - 1/4M	10	
05200638	B255/11	06 - 06 - 3/8M	10	
05200612	B255/16	06 - 06 - 1/2M	10	
05200818	B255/3	08 - 08 - 1/8M	10	
05200814	B255/8	08 - 08 - 1/4M	10	
05200838	B255/12	08 - 08 - 3/8M	10	
05200812	B255/17	08 - 08 - 1/2M	10	
05201018	B255/4	10 - 10 - 1/8M	10	
05201014	B255/9	10 - 10 - 1/4M	10	
05201038	B255/13	10 - 10 - 3/8M	10	
05201012	B255/18	10 - 10 - 1/2M	10	
05201218	B255/5	12 - 12 - 1/8M	5	
05201214	B255/10	12 - 12 - 1/4M	5	
05201238	B255/14	12 - 12 - 3/8M	5	
05201212	B255/19	12 - 12 - 1/2M	5	
05201438	B255/15	14 - 14 - 3/8M	5	
05201412	B255/20	14 - 14 - 1/2M	5	
05201512	B255/21	15 - 15 - 1/2M	5	
05201638	---	16 - 16 - 3/8M	5	
05201612	B255/22	16 - 16 - 1/2M	5	

**UNIÃO DUPLA
INTERMEDIATE STRAIGHT**



REF.	MODELO/ MODEL	A - B	
052104M5	---	04 - 04 - M5M	10
052104M6	---	04 - 04 - M6M	10
05210418	B256/1	04 - 04 - 1/8M	10
05210414	B256/6	04 - 04 - 1/4M	10
052106M5	---	06 - 06 - M5M	10
052106M6	---	06 - 06 - M6M	10
05210618	B256/2	06 - 06 - 1/8M	10
05210614	B256/7	06 - 06 - 1/4M	10
05210638	B256/11	06 - 06 - 3/8M	10
05210612	B256/16	06 - 06 - 1/2M	10
05210818	B256/3	08 - 08 - 1/8M	10
05210814	B256/8	08 - 08 - 1/4M	10
05210838	B256/12	08 - 08 - 3/8M	10
05210812	B256/17	08 - 08 - 1/2M	10
05211018	B256/4	10 - 10 - 1/8M	10
05211014	B256/9	10 - 10 - 1/4M	10
05211038	B256/13	10 - 10 - 3/8M	10
05211012	B256/18	10 - 10 - 1/2M	10
05211218	B256/5	12 - 12 - 1/8M	5
05211214	B256/10	12 - 12 - 1/4M	5
05211238	B256/14	12 - 12 - 3/8M	5
05211212	B256/19	12 - 12 - 1/2M	5
05211438	B256/15	14 - 14 - 3/8M	5
05211412	B256/20	14 - 14 - 1/2M	5
05211512	B256/21	15 - 15 - 1/2M	5
05211638	---	16 - 16 - 3/8M	5
05211612	B256/22	16 - 16 - 1/2M	5

**"JOELHO" GIRATÓRIO + OR
SWIVEL ELBOW CYLINDRICAL + OR**



REF.	MODELO/ MODEL	A - B	
052204M5	---	04 - M5M	10
052204M6	---	04 - M6M	10
05220418	B253/1	04 - 1/8M	10
05220414	B253/6	04 - 1/4M	10
052206M5	---	06 - M5M	10
052206M6	---	06 - M6M	10
05220618	B253/2	06 - 1/8M	10
05220614	B253/7	06 - 1/4M	10
05220638	B253/11	06 - 3/8M	10
05220612	B253/16	06 - 1/2M	10
05220818	B253/3	08 - 1/8M	10
05220814	B253/8	08 - 1/4M	10
05220838	B253/12	08 - 3/8M	10
05220812	B253/17	08 - 1/2M	10
05221018	B253/4	10 - 1/8M	10
05221014	B253/9	10 - 1/4M	10
05221038	B253/13	10 - 3/8M	10
05221012	B253/18	10 - 1/2M	10
05221218	B253/5	12 - 1/8M	5
05221214	B253/10	12 - 1/4M	5
05221238	B253/14	12 - 3/8M	5
05221212	B253/19	12 - 1/2M	5
05221438	B253/15	14 - 3/8M	5
05221412	B253/20	14 - 1/2M	5
05221512	B253/21	15 - 1/2M	5
05221638	---	16 - 3/8M	5
05221612	B253/22	16 - 1/2M	5

LIGADOR "Y"
INTERMEDIATE-Y



REF.	MODELO/ MODEL	A - B - B		
05230404	B262/1	04 - 04 - 04	10	
05230604	B267/1	06 - 04 - 04	10	
05230606	B262/2	06 - 06 - 06	10	
05230804	---	08 - 04 - 04	10	
05230806	B267/2	08 - 06 - 06	10	
05230808	B262/3	08 - 08 - 08	10	
05231006	---	10 - 06 - 06	10	
05231008	B267/3	10 - 08 - 08	10	
05231010	B262/4	10 - 10 - 10	10	
05231208	---	12 - 08 - 08	5	
05231210	B267/4	12 - 10 - 10	5	
05231212	B262/5	12 - 12 - 12	5	
05231414	B262/6	15 - 15 - 15	5	
05231515	B262/7	14 - 14 - 14	5	
05231616	B262/8	16 - 16 - 16	5	

LIGADOR "Y" GIRATÓRIO + OR
SWIVEL CYLINDRICAL-Y + OR



REF.	MODELO/ MODEL	A - A - B		
052404M5	---	04 - 04 - M5M	10	
052404M6	---	04 - 04 - M6M	10	
05240418	---	04 - 04 - 1/8M	10	
05240414	---	04 - 04 - 1/4M	10	
052406M5	---	06 - 06 - M5M	10	
052406M6	---	06 - 06 - M6M	10	
05240618	---	06 - 06 - 1/8M	10	
05240614	---	06 - 06 - 1/4M	10	
05240638	---	06 - 06 - 3/8M	10	
05240612	---	06 - 06 - 1/2M	10	
05240818	---	08 - 08 - 1/8M	10	
05240814	---	08 - 08 - 1/4M	10	
05240838	---	08 - 08 - 3/8M	10	
05240812	---	08 - 08 - 1/2M	10	
05241018	---	10 - 10 - 1/8M	10	
05241014	---	10 - 10 - 1/4M	10	
05241038	---	10 - 10 - 3/8M	10	
05241012	---	10 - 10 - 1/2M	10	
05241214	---	12 - 12 - 1/4M	5	
05241238	---	12 - 12 - 3/8M	5	
05241212	---	12 - 12 - 1/2M	5	
05241438	---	14 - 14 - 3/8M	5	
05241412	---	14 - 14 - 1/2M	5	
05241638	---	16 - 16 - 3/8M	5	
05241612	---	16 - 16 - 1/2M	5	

ESTANCADOR FÊMEA
BULKHEAD FEMALE



REF.	MODELO/ MODEL	A - B	
052504M5	---	04 - M5F	10
052504M6	---	04 - M6F	10
05250418	---	04 - 1/8F	10
05250414	---	04 - 1/4F	10
052506M5	---	06 - M5F	10
052506M6	---	06 - M6F	10
05250618	---	06 - 1/8F	10
05250614	---	06 - 1/4F	10
05250638	---	06 - 3/8F	10
05250612	---	06 - 1/2F	10
05250818	---	08 - 1/8F	10
05250814	---	08 - 1/4F	10
05250838	---	08 - 3/8F	10
05250812	---	08 - 1/2F	10
05251018	---	10 - 1/8F	10
05251014	---	10 - 1/4F	10
05251038	---	10 - 3/8F	10
05251012	---	10 - 1/2F	10
05251214	---	12 - 1/4F	5
05251238	---	12 - 3/8F	5
05251212	---	12 - 1/2F	5
05251438	---	14 - 3/8F	5
05251412	---	14 - 1/2F	5
05251638	---	16 - 3/8F	5
05251612	---	16 - 1/2F	5

CRUZETA
INTERMEDIATE TEE



REF.	MODELO/ MODEL	A - A - A - A	
05270404	B260/1	04 - 04 - 04 - 04	10
05270606	B260/2	06 - 06 - 06 - 06	10
05270808	B260/3	08 - 08 - 08 - 08	10
05271010	B260/4	10 - 10 - 10 - 10	10
05271212	B260/5	12 - 12 - 12 - 12	5