

ZASADA DZIAŁANIA - ROZSZERZONA RURA (KIELICHOWANA).

Złącze produkowane zgodnie z normą **ISO 8434-3/SAE J1453**, jest złączem mechanicznym, tradycyjnie stosowanym w dynamicznych układach wysokociśnieniowych. Uszczelnienie jest wytworzone pomiędzy dwoma płaskimi powierzchniami, metal do metalu, bez deformacji części składowych, z dodatkowym uszczelnieniem elastomerowym (O-ring) umieszczonym wewnątrz rowka frontowej części przyłącza.

Połączenie między korpusem przyłącza, a (rozszerzoną) kielichowaną rurą gwarantowane jest przez nakrętkę dociskową oraz wewnętrzną tuleję. Umożliwia to szybki montaż unikając spawania oraz gwintowania, w ten sposób zapewniając maksymalną prostotę dla złożonych systemów hydraulicznych. Ponowne montaż nie zmieniają wydajności połączenia. *Patrz rysunek numer 1.*

ZASADA DZIAŁANIA - LUTOWANA RURA.

Złącze produkowane zgodnie z normą **ISO 8434-3/SAE J1453**, jest złączem mechanicznym tradycyjnie stosowanym w dynamicznych układach wysokociśnieniowych. Uszczelnienie jest wytworzone pomiędzy dwoma płaskimi powierzchniami, metal do metalu, bez deformacji części składowych, z dodatkowym uszczelnieniem elastomerowym (O-ring) umieszczonym wewnątrz rowka frontowej części przyłącza.

Połączenie między korpusem przyłącza, a lutowaną rurą gwarantowane jest przez nakrętkę dociskową. Pomocne jest to w szybkim montażu unikając kielichowania oraz gwintowania, w ten sposób zapewniając maksymalną prostotę dla złożonych systemów hydraulicznych. Ponowne montaż nie zmieniają wydajności połączenia. *Patrz rysunek numer 2.*

THEORY OF OPERATION - FLARED TUBE.

The fitting, manufactured according to **ISO 8434-3/SAE J1453**, is a mechanical fitting traditionally used for high pressure fluid-dynamic systems. The sealing is made between two flat surfaces, metal to metal, with no deformation of the components, plus an elastomeric sealing (O-Ring) placed into a groove on the front surface of the fitting.

The coupling between the body of the fitting and the flared tube is guaranteed by the tightening nut and by the sleeve on the inside. It helps fast assembly of removable tubes, avoids welding and tapping, thus assuring maximum simplicity for complex oleo-dynamic systems. Repeated assemblies do not alter the performance of the coupling.

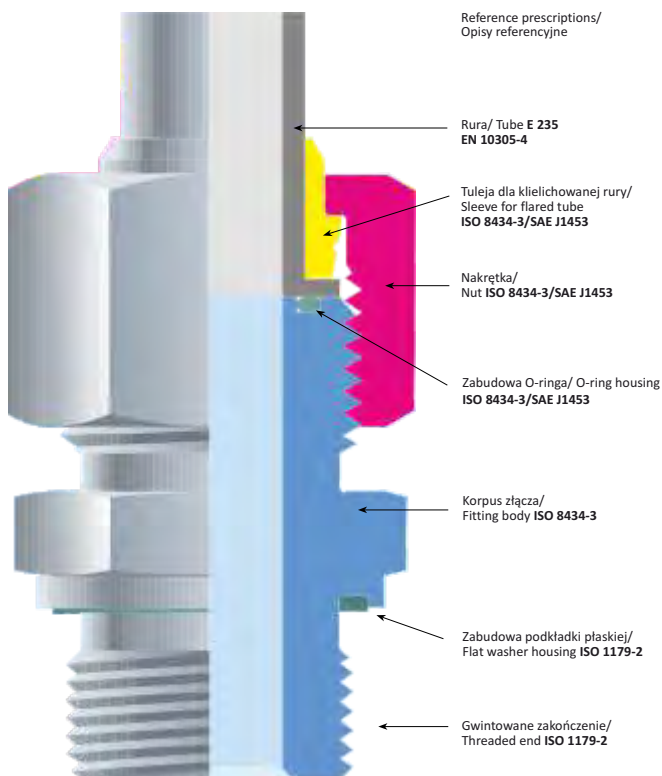
See drawing No. 1.

THEORY OF OPERATION - BRAZED TUBE.

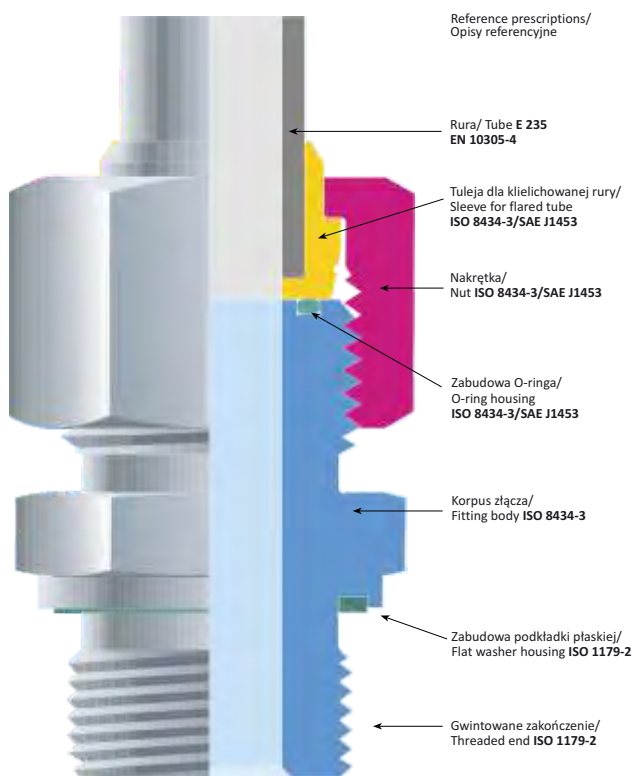
The fitting, manufactured according to **ISO 8434-3/SAE J1453**, is a mechanical fitting traditionally used for high pressure fluid-dynamic systems. The sealing is made between two flat surfaces, metal to metal, with no deformation of the components, plus an elastomeric sealing (O-Ring) placed into a groove on the front surface of the fitting.

The coupling between the body of the fitting and the brazed tube is guaranteed by the tightening nut. It helps fast assembly of removable tubes, avoids flaring and tapping, thus assuring maximum simplicity for complex oleo-dynamic systems. Repeated assemblies do not alter the performance of the coupling.

See drawing No. 2.

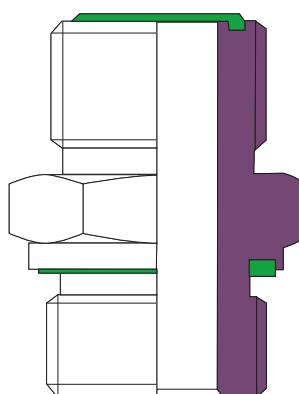


Rysunek numer 1/ Drawing No.1



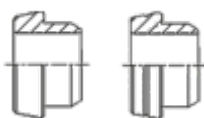
Rysunek numer 2/ Drawing No. 2

Calowe ORFS SAE J1453



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strona / page

4001__ & 4001__.W



ORFS

4002__ & 4002__.W



ORFS

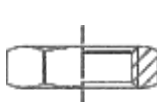
97-98
strona / page

4003__



ORFS

4078__



ORFS

4004__



BSP/ORFS

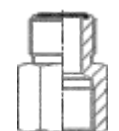
4033__



BSP/ORFS

98
strona / page

4010__



ORFS/BSP

4015__



ORFS/BSP

99-100
strona / page

4007__



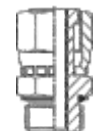
BSP/ORFS

4012__



BSP/ORFS

4036__



BSP/ORFS

100
strona / page

4076__



ORFS

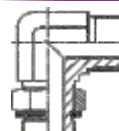
4077__



ORFS

101-102
strona / page

4051__



BSP/UNF

4054__



BSP/UNF

4057__



BSP/UNF

4060__



BSP/ORFS

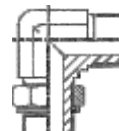
4069__



BSP/ORFS

102
strona / page

4052__



M/ORFS

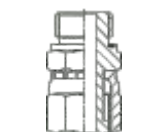
103
strona / page

4005__



M/ORFS

4034__



M/ORFS

4008__



M/ORFS

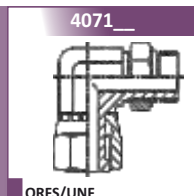
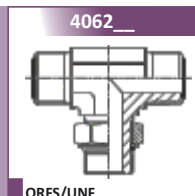
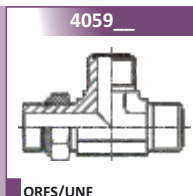
4037__



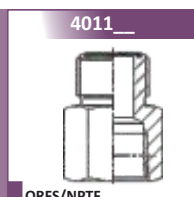
M/ORFS



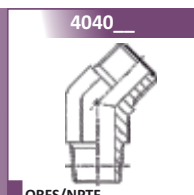
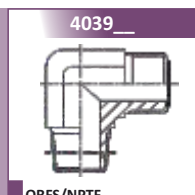
104-105
strona/ page



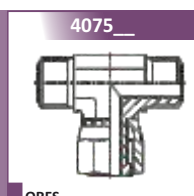
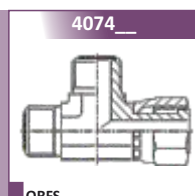
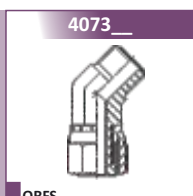
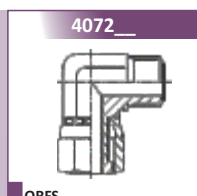
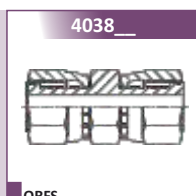
105-106
strona/ page



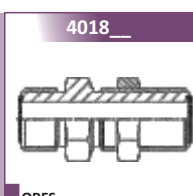
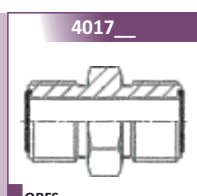
106
strona/ page



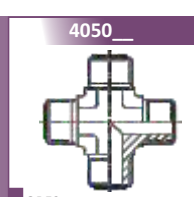
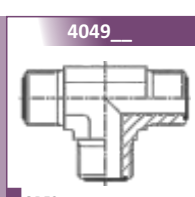
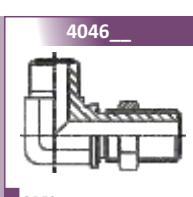
107
strona/ page



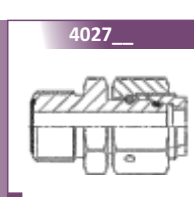
108
strona/ page



109
strona/ page



110
strona/ page



111
strona/ page

112
strona/ page

40280__3



ORFS/JIC

40290__3



ORFS/JIC

40300__3



ORFS/JIC

113
strona/ page

4031__



ORFS/BSP

4032__



ORFS/BSP

114
strona/ page

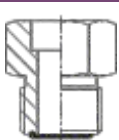
4019__



ORFS

115-116
strona/ page

4020__ & 4020__.W



ORFS

4021__ & 4021__.W



ORFS

4042__



ORFS

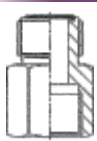
4041__



ORFS

117
strona/ page

4022__



ORFS/BSP

4024__



ORFS/BSP

4023__



ORFS/M

4025__



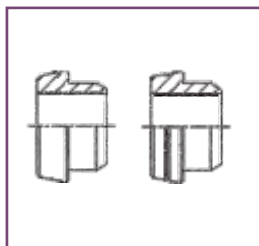
ORFS/M



ORFS

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury metrycznej Tube inch	Ø Rury calowej Tube metric	Ø Rury calowej Tube inch	Ciśnienie Pressure (bar)	4001__	4001__.W	4002__	4002__.W	4002__.W
A	A ^M	B ^M	A ^W	B ^W						
1 11/16	6	-	1/4	-	630	400101	400101.W	400201	400201.W	-
1 11/16	8	-	5/16	-		400109	400109.W	400209	400209.W	-
1 11/16	10	-	3/8	-		400102	400102.W	400202	400202.W	-
9/16	12	-	1/2	-		400103	400103.W	400203	400203.W	-
11/16	14	-	-	-	420	400110	-	400210	-	-
11/16	15	-	-	-		400111	-	400211	-	-
13/16	16	-	5/8	-		400104	400104.W	400204	400204.W	-
1	18	-	-	-		400112	-	400212	-	-
1	20	-	3/4	-		400105	400105.W	400205	400205.W	-
1	22	-	7/8	-		400113	-	400213	400213.W	-
1 3/16	25	-	1	-		400106	400106.W	400206	400206.W	-
1 3/16	28	-	-	-		400114	-	400214	-	-
1 7/16	30	-	1 1/4	-	280	400107	400107.W	400207	400207.W	-
1 7/16	32	-	-	-		400115	-	400215	-	-
2	35	-	-	-		400116	-	400216	-	-
2	38	-	1 1/2	-		400108	400108.W	400208	400208.W	-
11/16	8-10	6	5/16-3/8	1/4	630	-	-	400217	-	400217.W
13/16	12	6	1/2	1/4		-	-	400218	-	400218.W
13/16	12	10	1/2	3/8		-	-	400219	-	400219.W
1	14-15-16	6	5/8	1/4	420	-	-	400220	-	400220.W
1	14-15-16	10	5/8	3/8		-	-	400221	-	400221.W
1	14-15-16	12	5/8	1/2		-	-	400222	-	400222.W
1 3/16	18-20	6	3/4	1/4		-	-	400223	-	400223.W
1 3/16	18-20	10	3/4	3/8		-	-	400224	-	400224.W
1 3/16	18-20	12	3/4	1/2		-	-	400225	-	400225.W
1 3/16	18-20	16	3/4	5/8		-	-	400226	-	400226.W
1 7/16	22-25	12	7/8	1/2		-	-	400227	-	400227.W
1 7/16	22-25	16	7/8-1	5/8		-	-	400228	-	400228.W
1 11/16	22-25	20	7/8-1	3/4		-	-	400229	-	400229.W
1 7/16	22-25	22	7/8-1	7/8		-	-	400230	-	400230.W
1 7/16	28-30-32	20	1 1/4	3/4	280	-	-	400231	-	400231.W
1 11/16	28-30-32	25	1 1/4	1		-	-	400232	-	400232.W
2	35-38	25	1 1/2	1		-	-	400233	-	400233.W
2	35-38	30	1 1/2	1 1/4		-	-	400234	-	400234.W

Pierścień ORFS
Sleevers



4001__

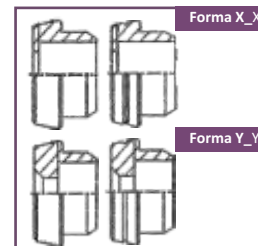
4001__.W

Pierścień do lutowania
Brazed sleeves



4002__

4002__.W



Forma X_X Form

Forma Y_Y Form

ORFS

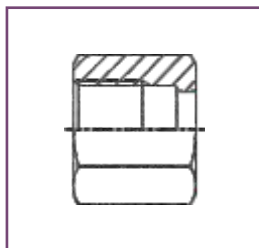
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Ciśnienie Pressure (bar)	4003__	4078__
A					
9/16	6	1/4	630	400301	407801
11/16	8-10	5/16-3/8		400302	407802
13/16	12	1/2		400303	407803
1	14-15-16	5/8	420	400304	407804
1 3/16	18-20	3/4		400305	407805
1 7/16	22-25	7/8-1		400306	407806
1 11/16	28-30-32	1 1/4	280	400307	407807
2	35-38	1 1/2		400308	407808

BSP/ORFS

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4004__	Ciśnienie Pressure (bar)	4033__
A			B				
9/16	6	1/4	1/8	630	400401	420	403301
9/16	6	1/4	1/4		400409		403309
9/16	6	1/4	3/8		400410		-
9/16	6	1/4	1/2		400411		-
11/16	8-10	5/16-3/8	1/8		400412		-
11/16	8-10	5/16-3/8	1/4		400402		403302
11/16	8-10	5/16-3/8	3/8		400413		403310
11/16	8-10	5/16-3/8	1/2		400414		-
11/16	8-10	5/16-3/8	3/4	420	400415	420	-
13/16	12	1/2	1/4	630	400416		-
13/16	12	1/2	3/8		400403		403303
13/16	12	1/2	1/2		400417		403311
13/16	12	1/2	3/4	420	400418		-
1	14-15-16	5/8	1/4		400419		-
1	14-15-16	5/8	3/8		400420		-
1	14-15-16	5/8	1/2		400404		403304
1	14-15-16	5/8	3/4		400421		-
1	14-15-16	5/8	1		400422		-
1 3/16	18-20	3/4	1/4		400423		-
1 3/16	18-20	3/4	1/2		400424		-
1 3/16	18-20	3/4	3/4		400405		403305
1 3/16	18-20	3/4	1		400425		-
1 3/16	18-20	3/4	1 1/4		400426		403312
1 7/16	22-25	7/8-1	1/4		400427		-
1 7/16	22-25	7/8-1	3/4		400428		-
1 7/16	22-25	7/8-1	1		400406	280	403306
1 7/16	22-25	7/8-1	1 1/4		400429		-
1 7/16	22-25	7/8-1	1 1/2		400430		-
1 1 1/16	28-30-32	1 1/4	1	280	400431		-
1 1 1/16	28-30-32	1 1/4	1 1/4		400407		403307
1 1 1/16	28-30-32	1 1/4	1 1/2		400432		-
2	35-38	1 1/2	1 1/2		400408		403308

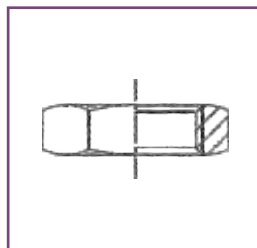


Nakrętka
Nut



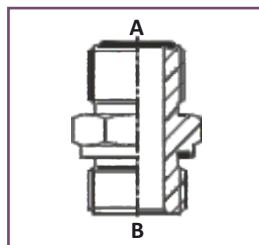
4003__

Przeciwnakrętka
Locknut



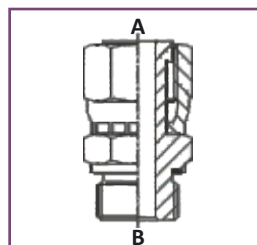
4078__

Przylączka prosta BSP/ ORFS z pierścieniem uszczelniającym
Male stud coupling with elastomer seal, thread BSP/ORFS parallel



4004__

Przylączka prosta z gwintem BSP/ ORFS z nakrętką i pierścieniem uszczelniającym
Male stud coupling with crimped nut and elastomer seal, thread BSP/ORFS parallel

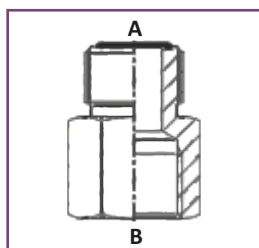


4033__

ORFS/BSP

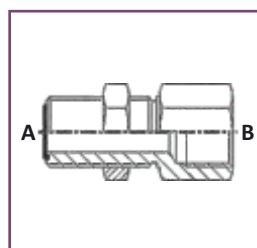
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4010__	4015__
A			B			
9/16	6	1/4	1/4	630	401001	401501
11/16	8-10	5/16-3/8	1/4		401002	401502
13/16	12	1/2	1/4		401009	-
13/16	12	1/2	3/8		401003	401503
1	14-15-16	5/8	1/2	420	401004	401504
1 3/16	18-20	3/4	1/2		401010	-
1 3/16	18-20	3/4	3/4		401005	401505
1 7/16	22-25	7/8-1	1		401006	401506
1 11/16	28-30-32	1 1/4	1 1/4	280	401007	401507
2	35-38	1 1/2	1 1/2		401008	401508

Złączka redukcyjna z gwintem zewnętrznym- wewnętrznym ORFS/ BSP
Female BSP coupling/ male ORFS



4010__

Złączka redukcyjna- grodziowa z gwintem zewnętrznym- wewnętrznym ORFS/ BSP
Female bulkhead connection BSP/ORFS male

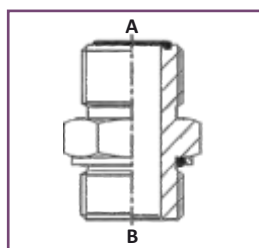


4015__

BSP/ORFS

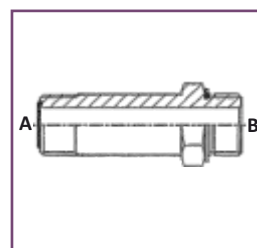
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4007__	4012__	Ciśnienie Pressure (bar)	4036__
A			B					
9/16	6	1/4	1/8	350	400701	401201	400	403601
9/16	6	1/4	1/4	400	400709	401209		403609
9/16	6	1/4	3/8	350	400710	401210		-
9/16	6	1/4	1/2	315	400711	-		-
11/16	8-10	5/16-3/8	1/8	350	400712	-		-
11/16	8-10	5/16-3/8	1/4	400	400702	401202	400	403602
11/16	8-10	5/16-3/8	3/8	350	400713	401211	350	403610
11/16	8-10	5/16-3/8	1/2	315	400714	401212		-
11/16	8-10	5/16-3/8	3/4		400715	-		-
13/16	12	1/2	1/4	400	400716	401213		-
13/16	12	1/2	3/8	350	400703	401203		403603
13/16	12	1/2	1/2	315	400717	401214	315	403611
13/16	12	1/2	3/4		400718	401215		-
1	14-15-16	5/8	1/4	400	400719	-		-
1	14-15-16	5/8	3/8	350	400720	401216		-
1	14-15-16	5/8	1/2	315	400704	401204		403604
1	14-15-16	5/8	3/4		400721	401217		-
1	14-15-16	5/8	1	280	400722	-		-
1 13/16	18-20	3/4	1/4	400	400723	-	200	-
1 13/16	18-20	3/4	1/2	315	400724	401218		-
1 13/16	18-20	3/4	3/4		400705	401205		403605
1 13/16	18-20	3/4	1	200	400725	401219		-
1 13/16	18-20	3/4	1 1/4		400726	401220		403612
1 7/16	22-25	7/8-1	1/4	400	400727	-	280	-
1 7/16	22-25	7/8-1	3/4	315	400728	401221		-
1 7/16	22-25	7/8-1	1	280	400706	401206		403606
1 7/16	22-25	7/8-1	1 1/4		400729	401222		-
1 7/16	22-25	7/8-1	1 1/2	250	400730	-		-
1 1 1/16	28-30-32	1 1/4	1	280	400731	401223	250	-
1 1 1/16	28-30-32	1 1/4	1 1/4		400707	401207		403607
1 1 1/16	28-30-32	1 1/4	1 1/2	250	400732	-		-
2	35-38	1 1/2	1 1/2		400708	401208		403608

Korpus przyłączki prostej BSP/ ORFS (o-ring+podkładka)
Male stud coupling with o-ring and washer BSP/ ORFS



4007__

Korpus przyłączki prostej, przedłużanej BSP/ ORFS (o-ring+podkładka)
Long male stud coupling with o-ring and washer BSP/ ORFS

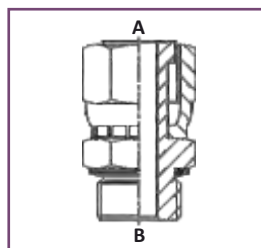


4012__



**Korpus przyłączy prostej z nakrętką obrotową BSP/ ORFS
(o-ring+podkładka)**

Male stud coupling with crimped nut o-ring and washer BSP/ ORFS

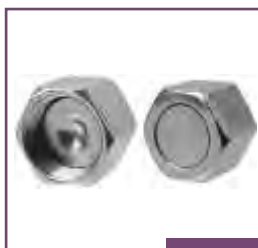
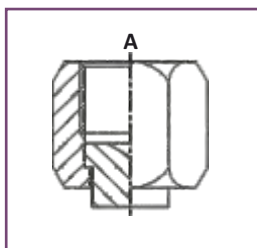


4036__

ORFS

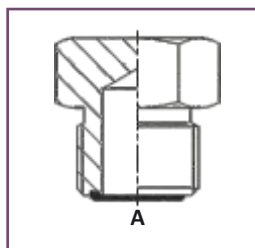
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Ciśnienie Pressure (bar)	4076__	4077__
A					
9/16-18	6	1/4	630	407601	407701
11/16-16	8-10	5/16-3/8		407602	407702
13/16-16	12	1/2		407603	407703
1-14	14-15-16	5/8	420	407604	407704
1 3/16-12	18-20	3/4		407605	407705
1 7/16-12	22-25	7/8-1		407606	407706
1 11/16-12	28-30-32	1 1/4	280	407607	407707
2-12	35-38	1 1/2		407608	407708

**Korek zamykający ORFS- gwint wewnętrzny
Female plug thread ORFS**



4076__

**Korek zamykający ORFS- gwint zewnętrzny
Pipe plug- male thread ORFS**

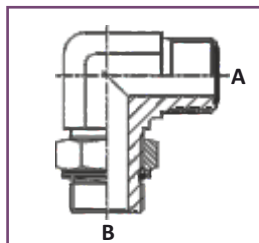


4077__

BSP/ORFS

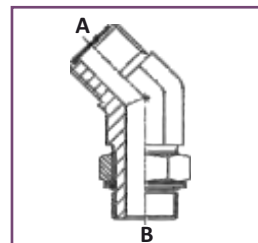
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury stalowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4051__	4054__	4057__	4060__	4069__
A			B						
9/16	6	1/4	1/8	350	405101	405401	405701	406001	406901
9/16	6	1/4	1/4	315	405109	405409	405709	406009	-
9/16	6	1/4	3/8	250	405110	405410	405710	406010	-
11/16	8-10	5/16-3/8	1/4	315	405102	405402	405702	406002	406902
11/16	8-10	5/16-3/8	3/8	250	405111	405411	405711	406011	-
11/16	8-10	5/16-3/8	1/2		405112	405412	405712	406012	-
13/16	12	1/2	1/4	315	405113	405413	405713	406013	-
13/16	12	1/2	3/8	250	405103	405403	405703	406003	406903
13/16	12	1/2	1/2		405114	405414	405714	406014	-
13/16	12	1/2	3/4		405115	405415	405715	406015	-
1	14-15-16	5/8	1/4	315	405116	405416	405716	406016	-
1	14-15-16	5/8	3/8	250	405117	405417	405717	406017	-
1	14-15-16	5/8	1/2		405104	405404	405704	406004	406904
1	14-15-16	5/8	3/4		405118	405418	405718	406018	-
1	14-15-16	5/8	1	200	405119	405419	405719	406019	-
1 3/16	18-20	3/4	1/4	315	405120	405420	405720	406020	-
1 3/16	18-20	3/4	1/2	250	405121	405421	405721	406021	-
1 3/16	18-20	3/4	3/4	250	405105	405405	405705	406005	406905
1 3/16	18-20	3/4	1	200	405122	405422	405722	406022	-
1 7/16	22-25	7/8-1	1/4	315	405123	405423	405723	406023	-
1 7/16	22-25	7/8-1	3/4	250	405124	405424	405724	406024	-
1 7/16	22-25	7/8-1	1	200	405106	405406	405706	406006	406906
1 7/16	22-25	7/8-1	1 1/4		405125	405425	405725	406025	-
1 11/16	28-30-32	1 1/4	1		405126	405426	405726	406026	-
1 11/16	28-30-32	1 1/4	1 1/4		405107	405407	405707	406007	406907
1 11/16	28-30-32	1 1/4	1 1/2	160	405127	405427	405727	406027	-
2	35-38	1 1/2	1 1/2		405108	405408	405708	406008	406908

Przyłączka kolankowa 90° BSP/ORFS z przeciwnakrętką, o-ringiem i podkładką
90° adjustable male stud elbow with o-ring and washer, thread BSP/ORFS parallel



4051__

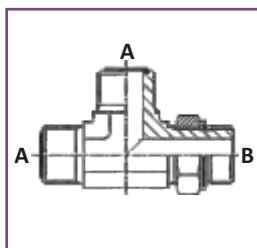
Przyłączka kolankowa 45° BSP/ORFS z przeciwnakrętką, o-ringiem i podkładką
45° Adjustable male stud elbow with o-ring and washer, thread BSP/ORFS parallel



4054__

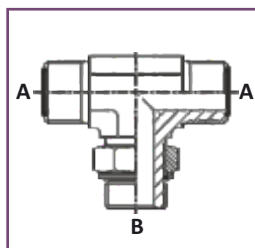


Przyłączka trójnikowa niesymetryczna BSP/ ORFS z przeciwnakrętką, o-ringiem i podkładką
Adjustable male stud barrel tee with o-ring and washer, thread BSP/ORFS parallel



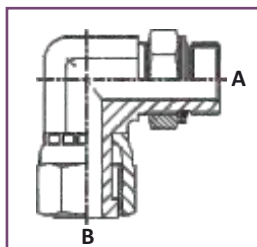
4057__

Przyłączka trójnikowa symetryczna BSP/ ORFS z przeciwnakrętką, o-ringiem i podkładką
Adjustable male stud branch tee with o-ring and washer, thread BSP/ORFS parallel



4060__

Przyłączka kolankowa 90° nastawna BSP/ ORFS z nakrętką obrotową, przeciwnakrętką, o-ringiem i podkładką
Adjustable male stud elbow 90° with crimped nut, o-ring and washer, thread BSP/ORFS parallel

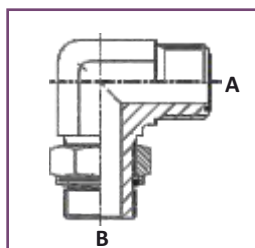


4069__

M/ORFS

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint M Thread	Ciśnienie Pressure (bar)	4052__
A			B		
9/16	6	1/4	10x1	315	405209
9/16	6	1/4	12x1,5		405201
11/16	8-10	5/16-3/8	14x1,5		405202
11/16	8-10	5/16-3/8	16x1,5		405210
13/16	12	1/2	16x1,5		405211
13/16	12	1/2	18x1,5		405203
13/16	12	1/2	22x1,5	250	405212
1	14-15-16	5/8	18x1,5	315	405213
1	14-15-16	5/8	22x1,5	250	405204
1	14-15-16	5/8	27x2		405214
3/4	18-20	3/4	22x1,5		405215
3/4	18-20	3/4	27x2		405205
3/4	18-20	3/4	33x2	160	405216
1 7/16	22-25	7/8-1	27x2	250	405217
1 3/16	22-25	7/8-1	33x2	160	405206
1 3/16	22-25	7/8-1	42x2		405218
1 11/16	28-30-32	1 1/4	42x2		405207
1 11/16	28-30-32	1 1/4	48x2		405219
2	35-38	1 1/2	48x2		405208

Przyłączka kolankowa 90° M/ ORFS z przeciwnakrętką, o-ringiem i podkładką
90° adjustable male stud elbow with o-ring and washer M/ ORFS

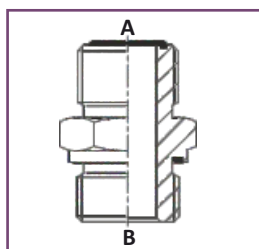


4052__

M/ORFS

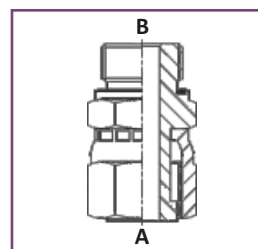
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury stalowej Tube inch	Gwint M Thread	Ciśnienie Pressure (bar)	4005__	4034__	Ciśnienie Pressure (bar)	4008__	Ciśnienie Pressure (bar)	4037__
A			B							
9/16	6	1/4	10x1	350	400509	403409		400809		403709
9/16	6	1/4	12x1,5		400501	403401		400801		403701
9/16	6	1/4	14x1,5		400510	-		400810		-
11/16	8-10	5/16-3/8	12x1,5		400511	-		400811		-
11/16	8-10	5/16-3/8	14x1,5		400502	403402	400	400802	400	403702
11/16	8-10	5/16-3/8	16x1,5		400512	403410		400812		403710
11/16	8-10	5/16-3/8	18x1,5		400513	-		400813		-
13/16	12	1/2	14x1,5		400514	-		400814		-
13/16	12	1/2	16x1,5		400515	403411		400815		403711
13/16	12	1/2	18x1,5		400503	403403		400803		403703
13/16	12	1/2	22x1,5		400516	-	315	400816		-
1	14-15-16	5/8	18x1,5		400517	403412	400	400817		403712
1	14-15-16	5/8	22x1,5		400504	403404		400804		403704
1	14-15-16	5/8	27x2		400518	-	315	400818		-
1 3/16	18-20	3/4	22x1,5		400519	403413		400819	315	403713
1 3/16	18-20	3/4	27x2		400505	403405		400805		403705
1 3/16	18-20	3/4	33x2		400520	-	280	400820		-
1 7/16	22-25	7/8-1	27x2		400521	403414	315	400821		403714
1 7/16	22-25	7/8-1	33x2		400506	403406		400806		403706
1 7/16	22-25	7/8-1	42x2		400522	-	280	400822	280	-
1 11/16	28-30-32	1 1/4	33x2		400523	-		400823		-
1 11/16	28-30-32	1 1/4	42x2		400507	403407		400807		403707
1 11/16	28-30-32	1 1/4	48x2		400524	-		400824		-
2	35-38	1 1/2	48x2		400508	403408	250	400808	250	403708

Przylączka prosta M/ORFS z pierścieniem uszczelniającym
Male stud coupling with elastomer seal M/ORFS



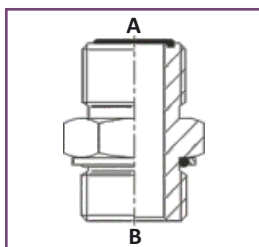
4005__

Przylączka prosta z gwintem zewnętrznym-wewnętrznym M/ORFS z nakrętką i pierścieniem uszczelniającym
Male coupling with crimped nut and elastomer seal M/ORFS



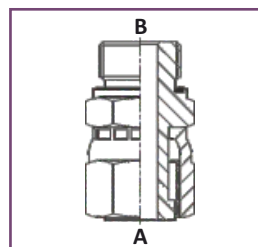
4034__

Przylączka prosta M/ORFS z o-ringiem i podkładką
Male stud coupling with o-ring and washer M/ORFS



4008__

Przylączka prosta nastawna M/ORFS o-ringiem i podkładką
Male stud coupling with crimped nut o-ring and washer M/ORFS



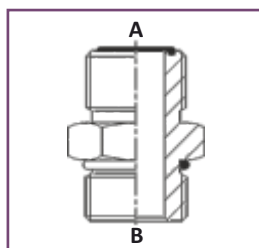
4037__



UNF/ORFS

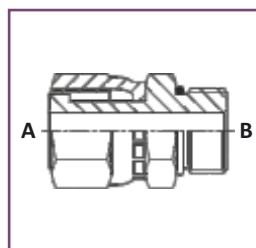
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint UNF Thread	Ciśnienie Pressure (bar)	4006__	4035__	Ciśnienie Pressure (bar)	4053__	4056__
A			B						
9/16	6	1/4	7/16	350	400601	403501	420	405301	405601
9/16	6	1/4	1/2-20	630	400609	-		-	-
9/16	6	1/4	9/16-18		400610	-		405309	405609
9/16	6	1/4	3/4-16		400611	-		405310	405610
11/16	8-10	5/16-3/8	7/16-20		400612	403509		405311	405611
11/16	8-10	5/16-3/8	1/2-20		400613	-		-	-
11/16	8-10	5/16-3/8	9/16-18		400602	403502		405302	405602
11/16	8-10	5/16-3/8	3/4-16		400614	403510		405312	405612
11/16	8-10	5/16-3/8	7/8-14		400615	-		405313	405613
11/16	8-10	5/16-3/8	1 1/16-12	420	400616	-		405314	405614
13/16	12	1/2	9/16-18	630	400617	-		405315	405615
13/16	12	1/2	3/4-16		400603	403503		405303	405603
13/16	12	1/2	7/8-14	420	400618	403511		405316	405616
13/16	12	1/2	1 1/16-12		400619	-		405317	405617
13/16	12	1/2	1 5/16-12		400620	-		-	-
1	14-15-16	5/8	3/4-16		400621	403512		405318	405618
1	14-15-16	5/8	7/8-14		400604	403504		405304	405604
1	14-15-16	5/8	1 1/16-12		400622	403513		405319	405619
1 3/16	18-20	3/4	3/4-16		400623	-		405320	405620
1 3/16	18-20	3/4	7/8-14		400624	403514		405321	405621
1 3/16	18-20	3/4	1 1/16-12		400605	403505		405305	405605
1 3/16	18-20	3/4	1 5/16-12	280	400625	403515	380	405322	405622
1 7/16	22-25	7/8-1	1 1/16-12		400626	-	420	405323	405623
1 7/16	22-25	7/8-1	1 5/16-12		400606	403506	380	405306	405606
1 7/16	22-25	7/8-1	1 5/8-12		400627	-	280	405324	405624
1 11/16	28-30-32	1 1/4	1 5/16-12		400628	-		405325	405625
1 11/16	28-30-32	1 1/4	1 5/8-12		400607	403507		405307	405607
1 11/16	28-30-32	1 1/4	1 7/8-12		400629	-		405326	405626
2	35-38	1 1/2	1 5/8-12		400630	-		405327	405627
2	35-38	1 1/2	1 7/8-12		400608	403508		405308	405608

Przylączka prosta UNF/ORFS z o-ringiem
Male stud with o-ring thread UNF/ORFS



4006__

Przylączka prosta z gwintem zewnętrznym-wewnętrznym UNF/ORFS z nakrętką i o-ringiem
Male stud coupling with crimped nut and o-ring thread UNF/ORFS



4035__

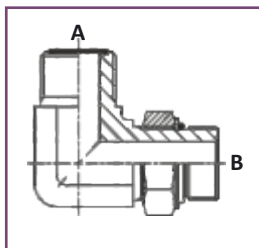
ciąg dalszy
continued



Przylączka kolankowa 90° UNF/ORFS

z o-ringiem i przeciwnakrętką

90° adjustable male stud elbow with o-ring, thread UNF/ORFS

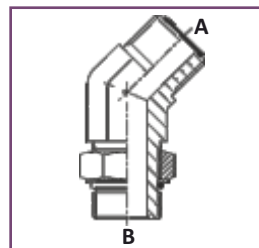


4053__

Przylączka kolankowa 45° UNF/ORF

z o-ringiem i przeciwnakrętką

45° adjustable male stud elbow with o-ring, thread UNF/ORFS



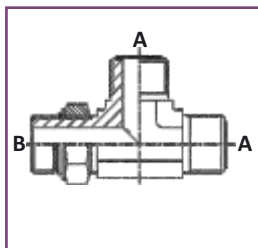
4056__

ORFS/UNF

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint M Thread	Ciśnienie Pressure (bar)	4059__	4062__	4071__
A			B				
9/16	6	1/4	7/16	420	405901	406201	407101
9/16	6	1/4	1/2-20		-	-	-
9/16	6	1/4	9/16-18		405909	406209	-
9/16	6	1/4	3/4-16		405910	406210	-
11/16	8-10	5/16-3/8	7/16-20		405911	406211	-
11/16	8-10	5/16-3/8	1/2-20		-	-	-
11/16	8-10	5/16-3/8	9/16-18		405902	406202	407102
11/16	8-10	5/16-3/8	3/4-16		405912	406212	-
11/16	8-10	5/16-3/8	7/8-14		405913	406213	-
11/16	8-10	5/16-3/8	1 1/16-12		405914	406214	-
13/16	12	1/2	9/16-18		405915	406215	-
13/16	12	1/2	3/4-16		405903	406203	407103
13/16	12	1/2	7/8-14		405916	406216	-
13/16	12	1/2	1 1/16-12		405917	406217	-
13/16	12	1/2	1 5/16-12		-	-	-
1	14-15-16	5/8	3/4-16		405918	406218	-
1	14-15-16	5/8	7/8-14		405904	406204	407104
1	14-15-16	5/8	1 1/16-12		405919	406219	-
1 3/16	18-20	3/4	3/4-16		405920	406220	-
1 3/16	18-20	3/4	7/8-14		405921	406221	-
1 3/16	18-20	3/4	1 1/16-12		405905	406205	407105
1 3/16	18-20	3/4	1 5/16-12	380	405922	406222	-
1 7/16	22-25	7/8-1	1 1/16-12	420	405923	406223	-
1 7/16	22-25	7/8-1	1 5/16-12	380	405906	406206	407106
1 7/16	22-25	7/8-1	1 5/8-12	280	405924	406224	-
1 11/16	28-30-32	1 1/4	1 5/16-12		405925	406225	-
1 11/16	28-30-32	1 1/4	1 5/8-12		405907	406207	407107
1 11/16	28-30-32	1 1/4	1 7/8-12		405926	406226	-
2	35-38	1 1/2	1 5/8-12		405927	406227	-
2	35-38	1 1/2	1 7/8-12		405908	406208	407108

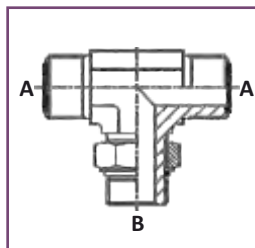


Przylączka trójnikowa ORFS/UNF, niesymetryczna z o-ringiem i przeciwnakrętką
Adjustable male stud barrel tee with o-ring, thread ORFS/UNF



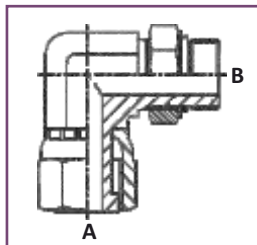
4059__

Przylączka trójnikowa symetryczna ORFS/UNF z o-ringiem i przeciwnakrętką
Adjustable male stud branch tee with o-ring, thread ORFS/UNF



4062__

Przylączka kolankowa 90° nastawna ORFS/UNF z nakrętką, o-ringiem i przeciwnakrętką
Adjustable male stud elbow 90° with crimped nut and o-ring, thread ORFS/UNF



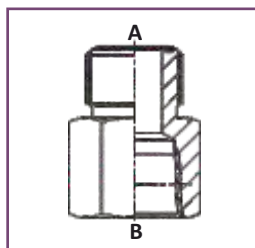
4071__

ORFS/NPTF

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint NPTF Thread	Ciśnienie Pressure (bar)	4011__
A			B		
9/16	6	1/4	1/4	630	401101
11/16	8-10	5/16-3/8	1/4		401102
13/16	12	1/2	1/4		401109
13/16	12	1/2	3/8		401103
1	14-15-16	5/8	1/2	420	401104
1 3/16	18-20	3/4	1/2		401110
1 3/16	18-20	3/4	3/4		401105
1 7/16	22-25	7/8-1	1		401106
1 11/16	28-30-32	1 1/4	1 1/4	280	401107
2	35-38	1 1/2	1 1/2		401108

Złączka redukcyjna z gwintem zewnętrznym- wewnętrznym ORFS/NPTF

Female stud coupling ORFS/NPTF- male

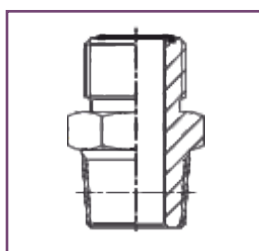


4011__

ORFS/NPTF

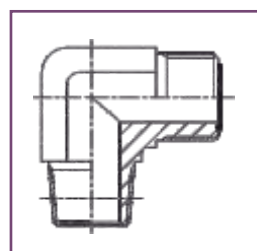
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4009__	4039__	4040__
A			B				
9/16	6	1/4	1/8	420	400901	403901	404001
9/16	6	1/4	1/4	630	400909	403909	404009
9/16	6	1/4	3/8		400910	403910	404010
11/16	8-10	5/16-3/8	1/4		400902	403902	404002
11/16	8-10	5/16-3/8	3/8		400911	403911	404011
11/16	8-10	5/16-3/8	1/2		400912	403912	404012
13/16	12	1/2	1/4		400913	403913	404013
13/16	12	1/2	3/8		400903	403903	404003
13/16	12	1/2	1/2		400914	403914	404014
13/16	12	1/2	3/4	420	400915	403915	404015
1	14-15-16	5/8	3/8		400916	403916	404016
1	14-15-16	5/8	1/2		400904	403904	404004
1	14-15-16	5/8	3/4		400917	403917	404017
1 3/16	18-20	3/4	1/2		400918	403918	404018
1 3/16	18-20	3/4	3/4		400905	403905	404005
1 3/16	18-20	3/4	1		400919	403919	404019
1 7/16	22-25	7/8-1	3/4		400920	403920	404020
1 7/16	22-25	7/8-1	1	280	400906	403906	404006
1 11/16	28-30-32	1 1/4	1		400921	403921	404021
1 11/16	28-30-32	1 1/4	1 1/4		400907	403907	404007
2	35-38	1 1/2	1 1/4		400922	403922	404022
2	35-38	1 1/2	1 1/2		400908	403908	404008

Przylączka prosta ORFS/NPTF
Male stud coupling ORFS/NPTF



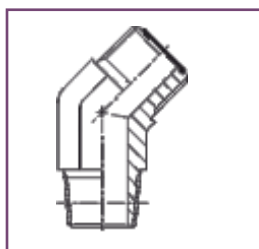
4009__

Przylączka kolankowa 90° ORFS/NPTF
Male stud elbow 90° ORFS/NPTF



4039__

Przylączka kolankowa 45° ORFS/NPTF
Male stud elbow 45° ORFS/NPTF



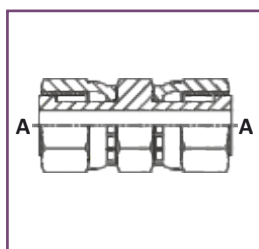
4040__



ORFS

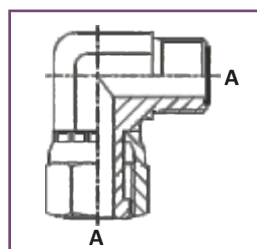
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Ciśnienie Pressure (bar)	4038__	4072__	4073__	4074__	4075__
A								
9/16	6	1/4	630	403801	407201	407301	407401	407501
11/16	8-10	5/16-3/8		403802	407202	407302	407402	407502
13/16	12	1/2		403803	407203	407303	407403	407503
1	14-15-16	5/8	420	403804	407204	407304	407404	407504
1 3/16	18-20	3/4		403805	407205	407305	407405	407505
1 7/16	22-25	7/8-1		403806	407206	407306	407406	407506
1 11/16	28-30-32	1 1/4	280	403807	407207	407307	407407	407507
2	35-38	1 1/2		403808	407208	407308	407408	407508

Złączka prosta ORFS z dwiema nakrętkami obrotowymi
Straight coupling with double crimped nuts ORFS



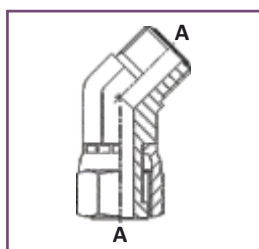
4038__

Złączka kolankowa 90° nastawna z gwintami ORFS
Adjustable 90° elbow with crimped nut ORFS



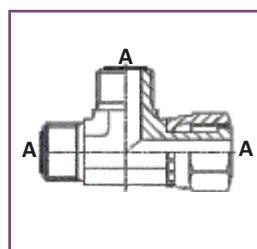
4072__

Złączka kolankowa 45° nastawna ORFS
Adjustable 45° elbow with crimped nut ORFS



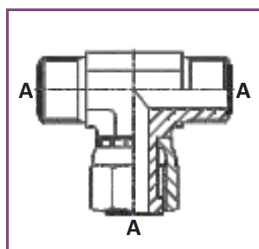
4073__

Złączka trójkątna nastawna, niesymetryczna ORFS
Adjustable barrel tee with crimped nut ORFS



4074__

Złączka trójkątna nastawna, symetryczna ORFS
Adjustable branch tee with crimped nut ORFS



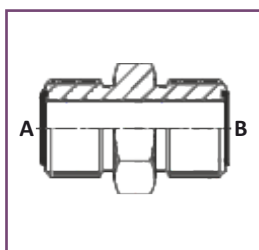
4075__



ORFS

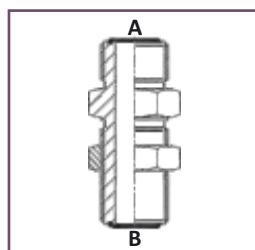
Gwint ORFS Thread	Gwint ORFS Thread	Ø A ^M Rury metrycznej Tube metric	Ø B ^M Rury metrycznej Tube metric	Ø A ^W Rury calowej Tube inch	Ø B ^W Rury calowej Tube inch	Ciśnienie Pressure (bar)	4017__	4018__	4043__	4044__
A	B									
9/16	9/16	6	6	1/4	1/4	630	401701	401801	404301	404401
11/16	9/16	8-10	6	5/16-3/8	1/4		401709	-	404309	-
11/16	11/16	8-10	8-10	5/16-3/8	5/16-3/8		401702	401802	404302	404402
13/16	11/16	12	8-10	1/2	5/16-3/8		401710	-	404310	-
13/16	13/16	12	12	1/2	1/2		401703	401803	404303	404403
1	13/16	14-15-16	12	5/8	1/2	420	401711	-	404311	-
1	1	14-15-16	14-15-16	5/8	5/8		401704	401804	404304	404404
1 3/16	11/16	18-20	8-10	3/4	5/16-3/8		401712	-	404312	-
1 3/16	1 3/16	18-20	12	3/4	1/2		401713	-	404313	-
1 3/16	1	18-20	14-15-16	3/4	5/8		401714	-	404314	-
1 3/16	1 3/16	18-20	18-20	3/4	3/4		401705	401805	404305	404405
1 7/16	1 3/16	22-25	18-20	7/8-1	3/4		401715	-	404315	-
1 7/16	1 7/16	22-25	22-25	7/8-1	7/8-1	280	401706	401806	404306	404406
1 11/16	1 7/16	28-30-32	22-25	1 1/4	7/8-1		401716	-	404316	-
1 11/16	1 11/16	28-30-32	28-30-32	1 1/4	1 1/4		401707	401807	404307	404407
2	2	35-38	35-38	1 1/2	1 1/2		401708	401808	404308	404408

Złączka prosta ORFS
Straight coupling ORFS



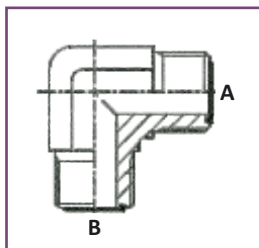
4017__

Złączka prosta ORFS- grodziowa
Bulkhead straight coupling ORFS



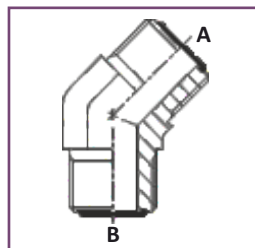
4018__

Złączka kolankowa 90° ORFS
Equal elbow 90° ORFS



4043__

Złączka kolankowa 45° ORFS
Equal 45° elbow ORFS



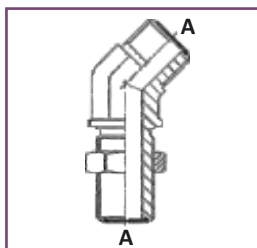
4044__



ORFS

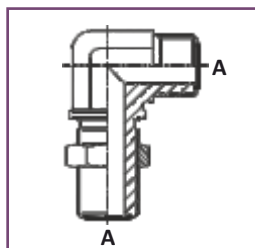
Gwint ORFS Thread	Ø A ^M Rury metrycznej Tube metric	Ø B ^M Rury metrycznej Tube metric	Ø A ^W Rury calowej Tube inch	Ø B ^W Rury calowej Tube inch	Ciśnienie Pressure (bar)	4045__	4046__	4049__	4050__
A									
9/16	6	6	1/4	1/4	630	404501	404601	404901	405001
11/16	8-10	8-10	5/16-3/8	5/16-3/8		404502	404602	404902	405002
13/16	12	12	1/2	1/2		404503	404603	404903	405003
1	14-15-16	14-15-16	5/8	5/8	420	404504	404604	404904	405004
1 3/16	18-20	18-20	3/4	3/4		404505	404605	404905	405005
1 7/16	22-25	22-25	7/8-1	7/8-1		404506	404606	404906	405006
1 11/16	28-30-32	28-30-32	1 1/4	1 1/4	280	404507	404607	404907	405007
2	35-38	35-38	1 1/2	1 1/2		404508	404608	404908	405008

Złączka kolankowa 45° ORFS z przeciwnakrętką- grodziowa
45° Bulkhead elbow ORFS



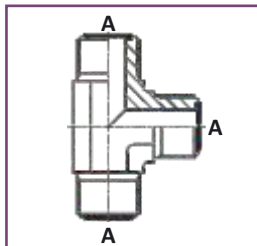
4045__

Złączka kolankowa 90° ORFS z przeciwnakrętką- grodziowa
90° Bulkhead elbow ORFS



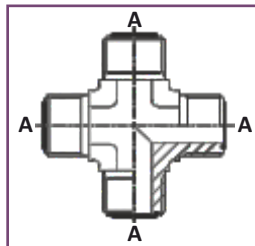
4046__

Trójnik ORFS
Equal tee ORFS



4049__

Czwórnik ORFS
Equal cross ORFS

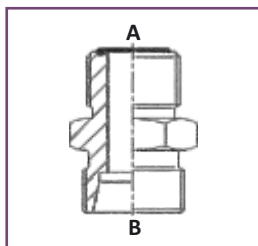


4050__

ORFS/M

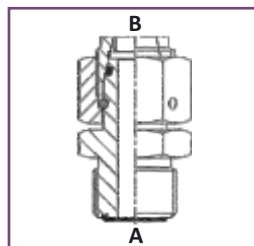
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury stalowej Tube inch	Ø Rury metrycznej Tube metric	Gwint M Thread	Ciśnienie Pressure (bar)	4026__	4027__
A				B			
9/16	6	1/4	6L	12x1,5	315	402601	402701
9/16	6	1/4	8L	14x1,5		402602	402702
11/16	8-10	5/16-3/8	10L	16x1,5		402603	402703
13/16	12	1/2	12L	18x1,5		402604	402704
1	14-15-16	5/8	15L	22x1,5		402605	402705
1 3/16	18-20	3/4	18L	26x1,5	160	402606	402706
1 7/16	22-25	7/8-1	22L	30x2		402607	402707
1 11/16	28-30-32	1 1/4	28L	36x2		402608	402708
2	35-38	1 1/2	35L	45x2		402609	402709
2	35-38	1 1/2	42L	52x2		402610	402710
9/16	6	1/4	6S	14x1,5	630	402611	402711
9/16	6	1/4	8S	16x1,5		402612	402712
11/16	8-10	5/16-3/8	10S	18x1,5		402613	402713
13/16	12	1/2	12S	20x1,5		402614	402714
1	14-15-16	5/8	14S	22x1,5		402615	402715
1	14-15-16	5/8	16S	24x1,5	400	402616	402716
1 3/16	18-20	3/4	20S	30x2		402617	402717
1 7/16	22-25	7/8-1	25S	36x2		402618	402718
1 11/16	28-30-32	1 1/4	30S	42x2		402619	402719
2	35-38	1 1/2	38S	52x2		402620	402720

Złączka prosta ORFS/M
Adapter ORFS/M



4026__

Złączka prosta ORFS/M z nakrętką obrotową
Adapter ORFS/M with swivel nut



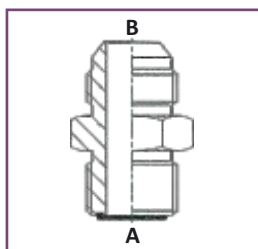
4027__



ORFS/JIC

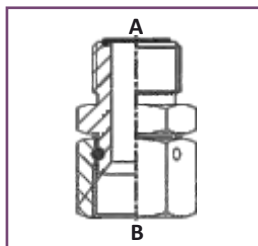
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint JIC 37° Thread	Ciśnienie Pressure (bar)	40280_.3	40290_.3	40300_.3
A			B				
9/16	6	1/4	7/16-20	450	402801.3	402901.3	403001.3
11/16	8-10	5/16-3/8	9/16-18	350	402802.3	402902.3	403002.3
11/16	8-10	5/16-3/8	1/2-20	450	402809.3	402909.3	403009.3
13/16	12	1/2	3/4-16	350	402803.3	402903.3	403003.3
1	14-15-16	5/8	7/8-14		402804.3	402904.3	403004.3
1 3/16	18-20	3/4	1 1/16-12		402805.3	402905.3	403005.3
1 7/16	22-25	7/8-1	1 5/16-12	290	402806.3	402906.3	403006.3
1 11/16	28-30-32	1 1/4	1 5/8-12	240	402807.3	402907.3	403007.3
2	35-38	1 1/2	1 7/8-12		402808.3	402908.3	403008.3

Złączka prosta ORFS/JIC
Adapter ORFS/JIC



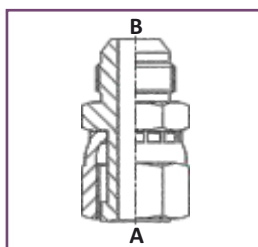
40280_.3

Złączka prosta ORFS/JIC z nakrętką obrotową
Adapter ORFS/JIC with swivel nut



40290_.3

Złączka prosta JIC/ORFS z nakrętką obrotową
Adapter JIC/ORFS with swivel nut

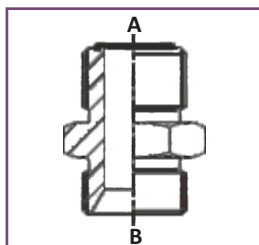


40300_.3

ORFS/BSP

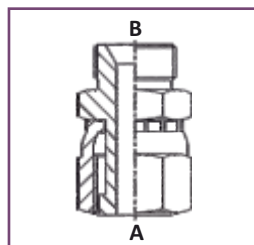
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury stalowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4031__	4032__
A			B			
9/16	6	1/4	1/8	400	403101	403201
9/16	6	1/4	1/4		403109	403209
9/16	6	1/4	3/8		403110	403210
11/16	8-10	5/16-3/8	1/4		403102	403202
11/16	8-10	5/16-3/8	3/8		403111	403211
11/16	8-10	5/16-3/8	1/2	350	403112	403212
13/16	12	1/2	1/4	400	403113	403213
13/16	12	1/2	3/8		403103	403203
13/16	12	1/2	1/2	350	403114	403214
13/16	12	1/2	3/4	315	403115	403215
1	14-15-16	5/8	3/8	400	403116	403216
1	14-15-16	5/8	1/2	350	403104	403204
1	14-15-16	5/8	5/8		403117	403217
1	14-15-16	5/8	3/4	315	403118	403218
1 3/16	18-20	3/4	1/2	350	403119	403219
1 3/16	18-20	3/4	3/4	315	403105	403205
1 3/16	18-20	3/4	1	250	403120	403220
1 7/16	22-25	7/8-1	3/4	315	403121	403221
1 7/16	22-25	7/8-1	1	250	403106	403206
1 7/16	22-25	7/8-1	1 1/4	200	403122	403222
1 11/16	28-30-32	1 1/4	1 1/4		403107	403207
2	35-38	1 1/2	1 1/2	160	403108	403208

Złączka prosta BSP/ORFS
 Adapter BSP/ORFS



4031__

Złączka prosta z gwintami BSP/ORFS z nakrętką obrotową
 Adapter BSP/ORFS with swivel nut



4032__

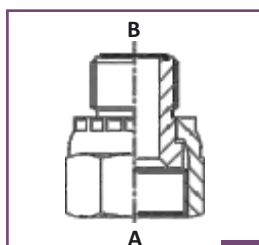


ORFS

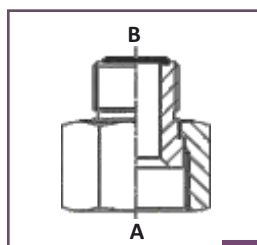
Gwint ORFS Thread	Ø A ^M Rury metrycznej Tube metric	Ø B ^M Rury metrycznej Tube metric	Ø A ^W Rury calowej Tube inch	Ø B ^W Rury calowej Tube inch	Forma Form	Gwint ORFS Thread	Ciśnienie Pressure (bar)	4019__
B						A		
11/16	8-10	6	5/16-3/8	1/4	X	9/16	630	401901
13/16	12	6	1/2	1/4	Y	9/16		401902
1	14-15-16	6	5/8	1/4	Y	9/16	420	401903
1 3/16	18-20	6	3/4	1/4	Y	9/16		401904
1 7/16	22-25	6	7/8-1	1/4	Y	9/16		401905
1 11/16	28-30-32	6	1 1/4	1/4	Y	9/16	280	401906
2	35-38	6	1 1/2	1/4	Y	9/16		401907
13/16	12	8-10	1/2	5/16-3/8	X	11/16	630	401908
1	14-15-16	8-10	5/8	5/16-3/8	Y	11/16	420	401909
1 3/16	18-20	8-10	3/4	5/16-3/8	Y	11/16		401910
1 7/16	22-25	8-10	7/8-1	5/16-3/8	Y	11/16		401911
1 11/16	28-30-32	8-10	1 1/4	5/16-3/8	Y	11/16	280	401912
2	35-38	8-10	1 1/2	5/16-3/8	Y	11/16		401913
1	14-15-16	12	5/8	1/2	Y	13/16	420	401914
1 3/16	18-20	12	3/4	1/2	Y	13/16		401915
1 7/16	22-25	12	7/8-1	1/2	Y	13/16		401916
1 11/16	28-30-32	12	1 1/4	1/2	Y	13/16	280	401917
2	35-38	12	1 1/2	1/2	Y	13/16		401918
1 3/16	18-20	14-15-16	3/4	5/8	X	1	420	401919
1 7/16	22-25	14-15-16	7/8-1	5/8	Y	1		401920
1 11/16	28-30-32	14-15-16	1 1/4	5/8	Y	1	280	401921
2	35-38	14-15-16	1 1/2	5/8	Y	1		401922
1 7/16	22-25	18-20	7/8-1	3/4	X	1 3/16	420	401923
1 11/16	28-30-32	18-20	1 1/4	3/4	Y	1 3/16	280	401924
2	35-38	18-20	1 1/2	3/4	Y	1 3/16		401925
1 11/16	28-30-32	22-25	1 1/4	7/8-1	X	1 7/16		401926
2	35-38	22-25	1 1/2	7/8-1	Y	1 7/16		401927
2	35-38	28-30-32	1 1/2	1 1/4	Y	1 11/16		401928

Złączka redukcyjna nastawna ORFS

Adjustable straight intermediate reduction ORFS



X



Y



4019__



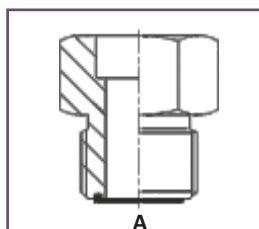
ORFS

Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Ciśnienie Pressure (bar)	4020__	4020__.W	4021__	4021__.W	4041__	4042__
A											
9/16	6	1/4	6	1/4	630	402001	402001.W	402101	402101.W	404101	404201
9/16	6	1/4	8	5/16		402009	402009.W	-	-	-	-
9/16	6	1/4	10	3/8		402010	402010.W	-	-	-	-
9/16	6	1/4	12	1/2		402011	402011.W	-	-	-	-
11/16	8-10	5/16-3/8	6	1/4		402012	402012.W	-	-	-	-
11/16	8-10	5/16-3/8	8	5/16		402013	402013.W	402109	402109.W	404109	404209
11/16	8-10	5/16-3/8	10	3/8		402002	402002.W	402102	402102.W	404102	404202
11/16	8-10	5/16-3/8	12	1/2		402014	402014.W	-	-	-	-
11/16	8-10	5/16-3/8	14	-	420	402015	-	-	-	-	-
11/16	8-10	5/16-3/8	15	-		402016	-	-	-	-	-
11/16	8-10	5/16-3/8	16	5/8		402017	402017.W	-	-	-	-
13/16	12	1/2	6	1/4	630	402018	402018.W	-	-	-	-
13/16	12	1/2	8	5/16		402019	402019.W	-	-	-	-
13/16	12	1/2	10	3/8		402020	402020.W	-	-	-	-
13/16	12	1/2	12	1/2		402003	402003.W	402103	402103.W	404103	404203
13/16	12	1/2	14	-	420	402021	-	-	-	-	-
13/16	12	1/2	15	-		402022	-	-	-	-	-
13/16	12	1/2	16	5/8		402023	402023.W	-	-	-	-
13/16	12	1/2	18	-		402024	-	-	-	-	-
13/16	12	1/2	20	3/4		402025	402025.W	-	-	-	-
13/16	12	1/2	22	7/8		402026	402026.W	-	-	-	-
13/16	12	1/2	25	1		402027	402027.W	-	-	-	-
1	14-15-16	5/8	10	3/8		402028	402028.W	-	-	-	-
1	14-15-16	5/8	12	1/2		402029	402029.W	-	-	-	-
1	14-15-16	5/8	14	-		402030	-	402110	-	404110	404210
1	14-15-16	5/8	15	-		402031	-	402111	-	404111	404211
1	14-15-16	5/8	16	5/8		402004	402004.W	402104	402104.W	404104	404204
1	14-15-16	5/8	18	-		402032	-	-	-	-	-
1	14-15-16	5/8	20	3/4		402033	402033.W	-	-	-	-
1 3/16	18-20	3/4	12	1/2		402034	402034.W	-	-	-	-
1 3/16	18-20	3/4	14	-		402035	-	-	-	-	-
1 3/16	18-20	3/4	15	-		402036	-	-	-	-	-
1 3/16	18-20	3/4	16	5/8		402037	402037.W	-	-	-	-
1 3/16	18-20	3/4	18	-		402038	-	402112	-	404112	404212
1 3/16	18-20	3/4	20	3/4		402005	402005.W	402105	402105.W	404105	404205
1 3/16	18-20	3/4	22	7/8		402039	402039.W	-	-	-	-
1 3/16	18-20	3/4	25	1		402040	402040.W	-	-	-	-
1 7/16	22-25	7/8-1	12	1/2		402041	402041.W	-	-	-	-
1 7/16	22-25	7/8-1	14	-		402042	-	-	-	-	-
1 7/16	22-25	7/8-1	15	-		402043	-	-	-	-	-
1 7/16	22-25	7/8-1	16	5/8		402044	402044.W	-	-	-	-
1 7/16	22-25	7/8-1	18	-		402045	-	-	-	-	-
1 7/16	22-25	7/8-1	20	3/4		402046	402046.W	-	-	-	-
1 7/16	22-25	7/8-1	22	7/8		402047	402047.W	402113	402113.W	404113	404213
1 7/16	22-25	7/8-1	25	1		402006	402006.W	402106	402106.W	404106	404216
1 7/16	22-25	7/8-1	28	-	280	402048	-	-	-	-	-
1 7/16	22-25	7/8-1	30	1 1/4		402049	402049.W	-	-	-	-



Gwint ORFS Thread	Ø A ^M Rury metrycznej Tube metric	Ø A ^W Rury calowej Tube inch	Ø B ^M Rury metrycznej Tube metric	Ø B ^W Rury calowej Tube inch	Ciśnienie Pressure (bar)	4020__	4020__.W	4021__	4021__.W	4041__	4042__
A											
1 7/16	22-25	7/8-1	32	-	280	402050	-	-	-	-	-
1 11/16	28-30-32	1 1/4	18	-		402051	-	-	-	-	-
1 11/16	28-30-32	1 1/4	20	3/4		402052	402052.W	-	-	-	-
1 11/16	28-30-32	1 1/4	22	7/8		402053	402053.W	-	-	-	-
1 11/16	28-30-32	1 1/4	25	1		402054	402054.W	-	-	-	-
1 11/16	28-30-32	1 1/4	28	-		402055	-	402114	-	404114	404214
1 11/16	28-30-32	1 1/4	30	1 1/4		402007	402007.W	402107	402107.W	404107	404207
1 11/16	28-30-32	1 1/4	32	-		402056	-	402115	-	404115	404215
1 11/16	28-30-32	1 1/4	35	-		402057	-	-	-	-	-
1 11/16	28-30-32	1 1/4	38	1 1/2		402058	402058.W	-	-	-	-
2	35-38	1 1/2	25	1		402059	402059.W	-	-	-	-
2	35-38	1 1/2	28	-		402060	-	-	-	-	-
2	35-38	1 1/2	30	1 1/4		402061	402061.W	-	-	-	-
2	35-38	1 1/2	32	-		402062	-	-	-	-	-
2	35-38	1 1/2	35	-		402063	-	402116	-	404116	414216
2	35-38	1 1/2	38	1 1/2		402008	402008.W	402108	402108.W	404108	404208

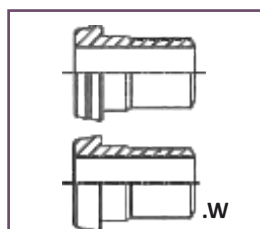
**Korpus złączki ORFS
do spawania**
Weldable straight female ORFS



4020__

4020__.W

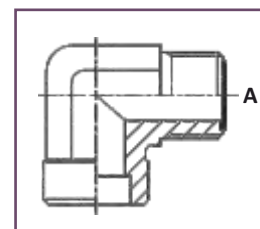
Końcówka do spawania
Welding nipple



4021__

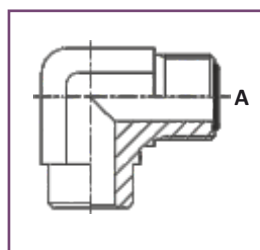
4021__.W

**Złączka kolankowa 90° ORFS
do spawania**
Female weldable elbow 90°



4042__

Złączka kolankowa 90° ORFS do spawania
Male weldable elbow 90°



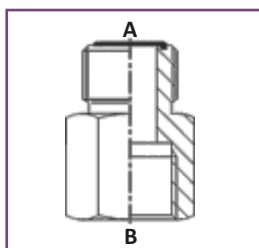
4041__



ORFS/BSP

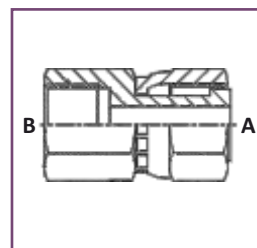
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint BSP Thread	Ciśnienie Pressure (bar)	4022__	4024__
A			B			
9/16	6	1/4	1/4	630	402201	402401
9/16	6	1/4	1/2		402204	-
11/16	8-10	5/16-3/8	1/4		402202	402402
11/16	8-10	5/16-3/8	1/2		402205	-
13/16	12	1/2	1/4		402203	402403
13/16	12	1/2	1/2		402206	-
1	14-15-16	5/8	1/4	420	-	402404
1 3/16	18-20	3/4	1/4		-	402405
1 7/16	22-25	7/8-1	1/4		-	402406
1 11/16	28-30-32	1 1/4	1/4	280	-	402407
2	35-38	1 1/2	1/4		-	402408

Złączka pod manometr ORFS/BSP
 Female gauge coupling ORFS/BSP



4022__

Złączka pod manometr nastawna ORFS/BSP
 Adjustable female gauge coupling ORFS/BSP

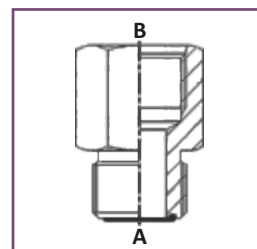


4024__

ORFS/M

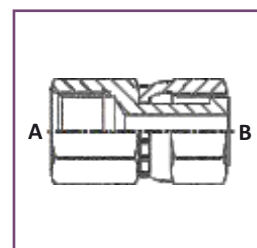
Gwint ORFS Thread	Ø Rury metrycznej Tube metric	Ø Rury calowej Tube inch	Gwint M Thread	Ciśnienie Pressure (bar)	4023__ 4025__
A			B		
9/16	6	1/4	10x1	630	402501
9/16	6	1/4	14x1,5		402301
11/16	8-10	5/16-3/8	10x1		402502
11/16	8-10	5/16-3/8	14x1,5		402302
13/16	12	1/2	10x1		402503
13/16	12	1/2	14x1,5		402303
1	14-15-16	5/8	10x1	420	402504
1	14-15-16	5/8	14x1,5		402304
1 3/16	18-20	3/4	10x1		402505
1 3/16	18-20	3/4	14x1,5		402305
1 7/16	22-25	7/8-1	10x1	280	402506
1 11/16	28-30-32	1 1/4	10x1		402507
2	35-38	1 1/2	10x1		402508

Złączka pod manometr ORFS/M
 Female gauge coupling ORFS/M



4023__

Złączka pod manometr nastawna ORFS/M
 Adjustable female gauge coupling ORFS/M



4025__