

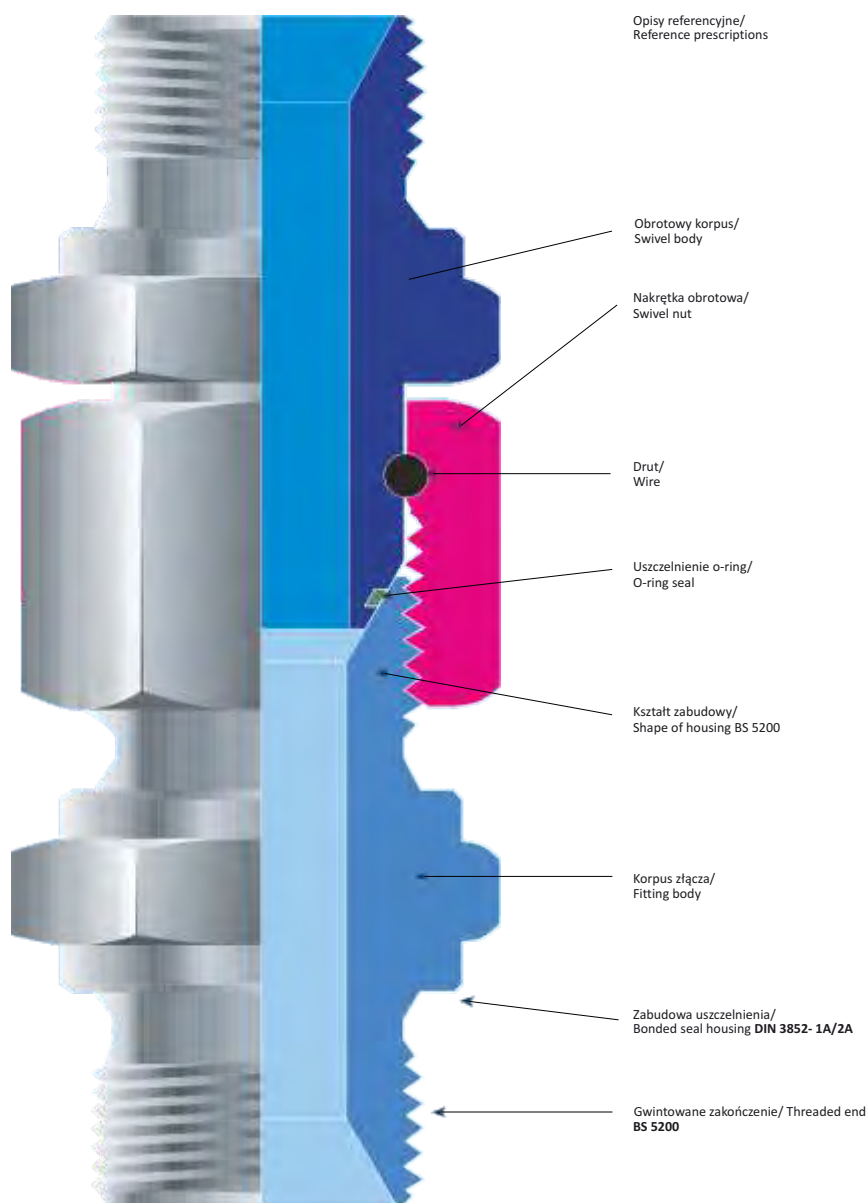


Złącze, produkowane zgodnie z normą **BS 5200**, jest złączem mechanicznym tradycyjnie stosowanym w dynamicznych układach wysokociśnieniowych. Uszczelnienie jest uzyskane między dwoma stożkowymi powierzchniami, metal do metalu, bez deformacji podzespołów, z dodatkowym elastomerowym uszczelnieniem (O-Ring) umieszczonym w rowku na stożku 60°.

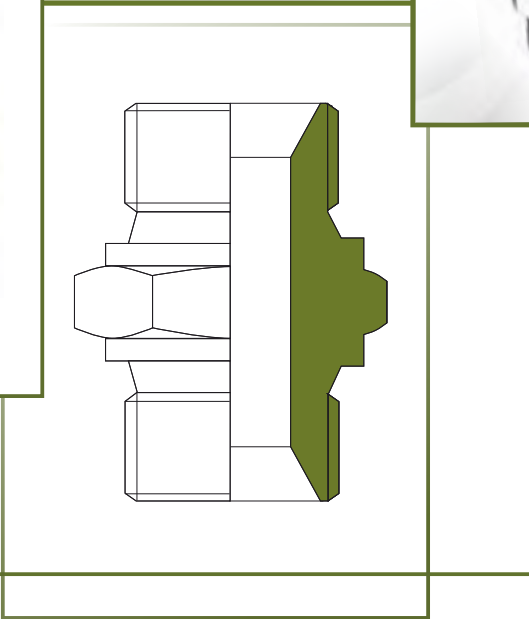
Połączenie między korpusem przyłącza, a korpusem podzespołu gwarantowane jest przez obrotową nakrętkę dociskową oraz elementy gwintowane dla innych typów. Umożliwia to szybki montaż unikając spawania oraz gwintowania, w ten sposób zapewniając maksymalną prostotę dla złożonych systemów hydraulicznych. Ponowne montaż nie zmieniają wydajności połączenia.

The fitting, manufactured according to **BS 5200**, is a mechanical adapter traditionally used for high pressure fluid-dynamic systems. The sealing is made between two conical surfaces, metal to metal, with no deformation of the components, plus an elastomeric sealing (O-Ring) placed into a groove on the 60° cone.

N.B. The elastomeric seal is made according to a CAST S.p.A. project. The connection between the body of the adapter and the body of the component is guaranteed by the swivel tightening nut and the threaded parts for the other types. It helps fast assembly of removable tubes, avoids welding and tapping, thus assuring maximum simplicity for complex oleodynamic systems. Repeated assemblies do not alter the performance of the coupling.



# Calowe BSP BSP BS 5200



41-42 strona/page	1865-_-_-  BSP/ BSPT	3022_ _  BSP/ BSPT	3026_ _  BSP/ BSPT	3030_ _  BSP/ BSPT	3032_ _  BSP/ BSPT	3062_ _  BSP/ BSPT			
	42 strona/page	 BSP/ BSPT	3040_ _  BSP/ BSPT	3046_ _  BSP/ BSPT	3048_ _  BSP/ BSPT				
		43-44 strona/page	3004_ _  BSP/ NPTF	3023_ _  BSP/ NPTF	3027_ _  BSP/ NPTF	3031_ _  BSP/ NPTF	3033_ _  BSP/ NPTF	3063_ _  BSP/ NPTF	
			45 strona/page	3054_ _  BSP	3056_ _  BSP	3058_ _  BSP	3060_ _  BSP	3088_ _  BSP	
				46 strona/page	3072_ _  BSP	1750-_-_- & 1770-_-_-  M- stożek 60°			
	47-48 strona/page				1700-_-_- & 1800-_-_-  BSP		4520_ _  BSP	4530_ _  BSP	4730_ _  BSP
49-50 strona/page				3007_ _  BSP/ M- stożek 60°	3002_ _  NPT	3021_ _  NPT	3001_ _  BSPT	3020_ _  BSPT	
				51 strona/page	3039_ _  NPT	3041_ _  NPT	3047_ _  NPT	3049_ _  NPT	





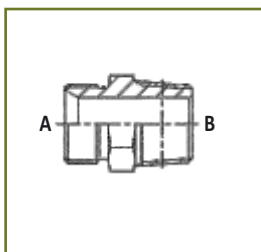
3015__		3043__		3045__		3051__		3053__		52 strona/ page		
NPT		NPT		NPT		NPT		NPT		53 strona/ page		
A105-__		4570__		4820__		R605-__						
BSP		BSP		BSP		BSP				54 strona/ page		
3008__		M105-__										
BSP		BSP								55 strona/ page		
2350-__		2450-__		4500__		4700__						
BSP		BSP		BSP		BSP				56 strona/ page		
A605-__		A608-__		3011__		3010__						
BSP		BSP		NPT		BSPT				57 strona/ page		
4710__		4720__		4550__		4510__		4800-__			4810-__	
BSP		BSP		BSP		BSP		BSP		BSP		58 strona/ page
A106-__		A107-__										
BSP		BSP										



**BSP/BSPT**

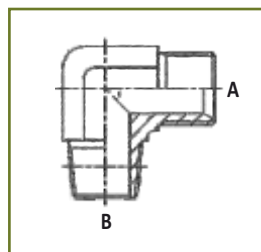
Gwint Thread A	Gwint Thread B	Ciśnienie Pressure (bar)	1865-__-__	3022__	3026__	3030__	3032__	3062__
1/8	1/8	350	1865-02-02	302201	302601	303001	303201	306201
1/8	1/4		1865-02-04	-	-	-	-	-
1/4	1/8		1865-04-02	-	-	-	-	-
1/4	1/4		1865-04-04	302202	302602	303002	303202	306202
1/4	3/8	250	1865-04-06	-	-	-	-	-
3/8	1/4		1865-06-04	-	-	-	-	-
3/8	3/8		1865-06-06	302203	302603	303003	303203	306203
3/8	1/2		1865-06-08	-	-	-	-	-
1/2	3/8	200	1865-08-06	-	-	-	-	-
1/2	1/2		1865-08-08	302204	302604	303004	303204	306204
1/2	3/4		1865-08-12	-	-	-	-	-
5/8	1/2		1865-10-08	302205	302605	303005	303205	306205
3/4	1/2	160	1865-12-08	-	-	-	-	-
3/4	3/4		1865-12-12	302206	302606	303006	303206	306206
3/4	1		1865-12-16	-	-	-	-	-
1	3/4		1865-16-12	-	-	-	-	-
1	1	100	1865-16-16	302207	302607	303007	303207	306207
1	1 1/4		1865-16-20	-	-	-	-	-
1 1/4	1 1/4		1865-20-20	302208	302608	303008	303208	306208
1 1/4	1 1/2		1865-20-24	-	-	-	-	-
1 1/2	1 1/2		1865-24-24	302209	302609	303009	303209	306209
2	2		1865-32-32	302210	302610	303010	303210	306210

**Korpus przyłączy prostej BSP/ BSPT**  
 Male connector BSP/BSPT



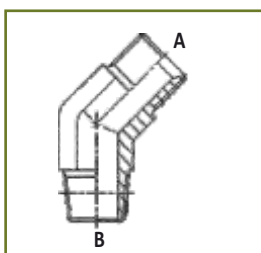
1865-\_\_-\_\_

**Korpus przyłączy kolankowej 90° BSP/ BSPT**  
 Male stud 90° adapter BSP/ BSPT



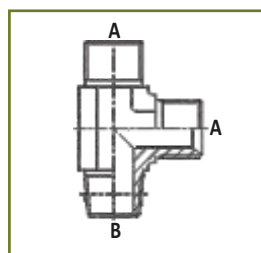
3022\_\_

**Korpus przyłączy kolankowej 45° BSP/ BSPT**  
 Male stud 45° adapter BSP/ BSPT



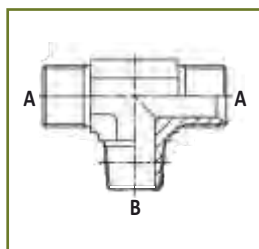
3026\_\_

**Korpus przyłączy trójkątnej niesymetrycznej BSP/ BSPT**  
 Male stud barrel tee adapter BSP/ BSPT



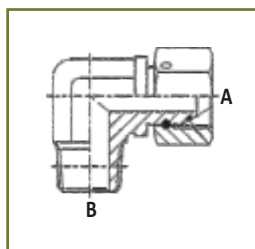
3030\_\_

**Korpus przyłączy trójnikowej symetrycznej BSP/ BSPT**  
 Male stud branch tee adapter BSP/ BSPT



3032\_\_

**Korpus przyłączy kolankowej 90° z nakrętką obrotową BSP/ BSPT**  
 90° adapter with swivel nut BSP/ BSPT

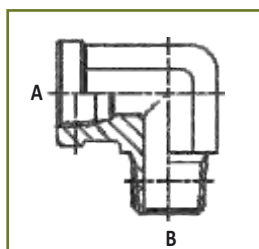


3062\_\_

**BSP/BSPT**

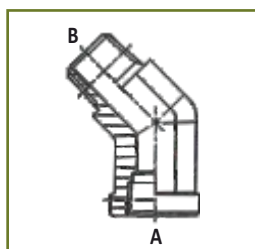
Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3038__	3040__	3046__	3048__
A	B					
1/8	1/8	350	303801	304001	304601	304801
1/4	1/4		303802	304002	304602	304802
3/8	3/8		250	303803	304003	304603
1/2	1/2	225	303804	304004	304604	304804
3/4	3/4	200	303805	304005	304605	304805
1	1	160	303806	304006	304606	304806
1 1/4	1 1/4		303807	304007	304607	304807
1 1/2	1 1/2		303808	304008	304608	304808
2	2	100	303809	304009	304609	304809

**Złączka kolankowa 90° z gwintem calowym BSP/ BSPT (wewnętrzny - zewnętrzny)**  
 Female/Male stud 90° adapter BSP/ BSPT



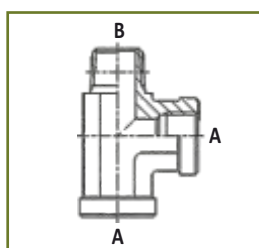
3038\_\_

**Złączka kolankowa 45° z gwintem calowym BSP/ BSPT (wewnętrzny - zewnętrzny)**  
 Female/Male stud 45° adapter BSP/ BSPT



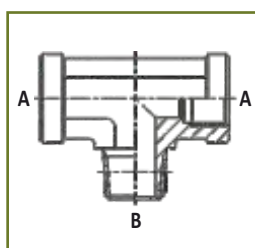
3040\_\_

**Złączka trójnikowa niesymetryczna z gwintem calowym BSP/ BSPT**  
 Female stud barrel tee adapter BSP/ BSPT



3046\_\_

**Złączka trójnikowa symetryczna z gwintem calowym BSP/ BSPT**  
 Female stud branch tee adapter BSP/ BSPT



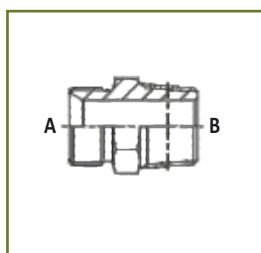
3048\_\_



**BSP/NPTF**

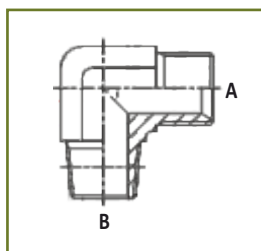
Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3004__	3023__	3027__	3031__	3033__	3063__
A	B							
1/8	1/8	350	300401	302301	302701	303101	303301	306301
1/8	1/4		300402	-	-	-	-	-
1/4	1/8		300417	-	-	-	-	-
1/4	1/4		300403	302302	302702	303102	303302	306302
1/4	3/8	250	300404	-	-	-	-	-
3/8	1/4		300418	-	-	-	-	-
3/8	3/8		300405	302303	302703	303103	303303	306303
3/8	1/2	225	300406	-	-	-	-	-
1/2	3/8		300419	-	-	-	-	-
1/2	1/2		300407	302304	302704	303104	303304	306304
1/2	3/4	200	300408	-	-	-	-	-
5/8	1/2		-	302305	302705	303105	303305	306305
3/4	1/2		300420	-	-	-	-	-
3/4	3/4		300409	302306	302706	303106	303306	306306
3/4	1	160	300410	-	-	-	-	-
1	3/4		300421	-	-	-	-	-
1	1		300411	302307	302707	303107	303307	306307
1	1 1/4		300412	-	-	-	-	-
1 1/4	1 1/4		300413	302308	302708	303108	303308	306308
1 1/4	1 1/2		300414	-	-	-	-	-
1 1/2	1 1/2	100	300415	302309	302709	303109	303309	306309
2	2	100	300416	302310	302710	303110	303310	306310

**Korpus przyłączy prostej BSP/ NPTF**  
 Male stud straight adapter BSP/ NPTF



3004\_\_

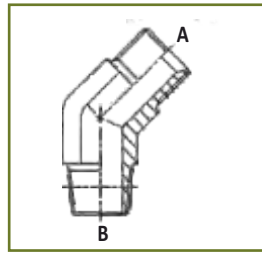
**Korpus przyłączy kolankowej 90° BSP/ NPTF**  
 Elbow 90° adapter BSP/ NPTF



3023\_\_

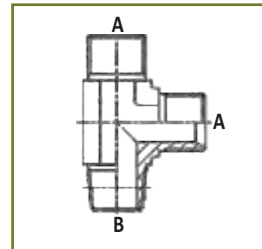


**Korpus przyłączy kolankowej 45° BSP/ NPTF**  
Male stud 45° adapter BSP/ NPTF



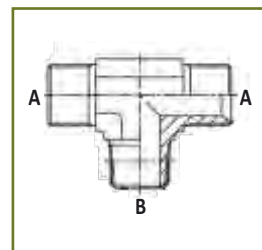
3027\_\_

**Korpus przyłączy trójnikowej niesymetrycznej BSP/ NPTF**  
Male stud barrel tee adapter BSP/ NPTF



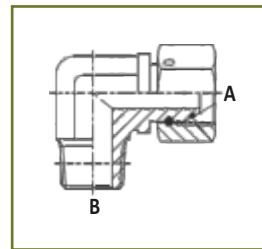
3031\_\_

**Korpus przyłączy trójnikowej symetrycznej BSP/ NPTF**  
Male stud branch tee adapter BSP/ NPTF



3033\_\_

**Korpus przyłączy kolankowej 90° z nakrętką obrotową BSP/ NPTF**  
90° adapter with swivel nut BSP/ NPTF



3063\_\_



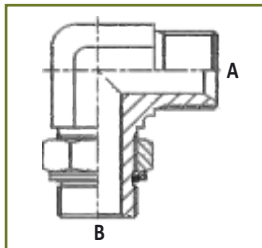


**BSP**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3054__	3056__	3058__	3060__	3088__
A	B						
1/8	1/8	350	305401	305601	305801	306001	308801
1/4	1/8		305402	305602	305802	306002	308802
1/4	1/4	315	305403	305603	305803	306003	308803
3/8	1/4		305404	305604	305804	306004	308804
3/8	3/8	250	305405	305605	305805	306005	308805
1/2	3/8		305406	305606	305806	306006	308806
1/2	1/2		305407	305607	305807	306007	308807
5/8	1/2		-	-	-	-	-
3/4	1/2		305408	305608	305808	306008	308808
3/4	3/4	200	305409	305609	305809	306009	308809
1	3/4		305410	305610	305810	306010	308810
1	1		305411	305611	305811	306011	308811
1 1/4	1	160	305412	305612	305812	306012	308812
1 1/4	1 1/4		305413	305613	305813	306013	308813
1 1/2	1 1/4	125	305414	305614	305814	306014	308814
1 1/2	1 1/2		305415	305615	305815	306015	308815
2	1 1/2	125	305416	305616	305816	306016	308816
2	2		305417	305617	305817	306017	308817

**Korpus przyłączki kolankowej 90° BSP z przeciwnakrętką i uszczelnieniem**

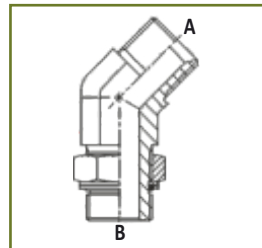
90° adjustable adapter with o-ring and washer, thread BSP parallel



3054\_\_

**Korpus przyłączki kolankowej 45° BSP z przeciwnakrętką i uszczelnieniem**

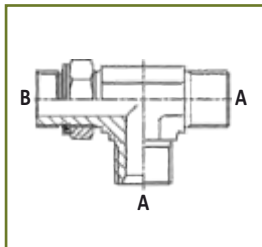
45° adjustable adapter with o-ring and washer, thread BSP parallel



3056\_\_

**Korpus przyłączki trójnikowej niesymetrycznej BSP z przeciwnakrętką i uszczelnieniem.**

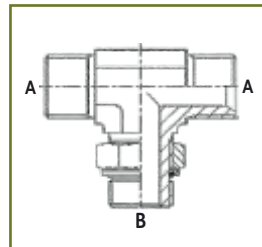
Adjustable male stud barrel tee with o-ring and washer, thread BSP parallel



3058\_\_

**Korpus przyłączki trójnikowej symetrycznej BSP z przeciwnakrętką i uszczelnieniem.**

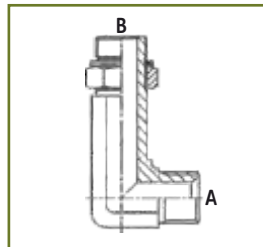
Adjustable male stud branch tee with o-ring and washer, thread BSP parallel



3060\_\_

**Korpus przyłączki kolankowej 90° BSP- przedłużonej z przeciwnakrętką i uszczelnieniem.**

Long 90° adjustable stud adapter with o-ring and washer, thread BSP parallel



3088\_\_

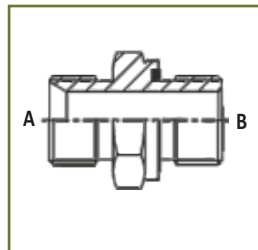


**BSP**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3072__	
A	B			
1/8	1/8	350	307201	
1/4	1/8		-	
1/4	1/4		307202	
3/8	1/4	250	-	
3/8	3/8		307203	
1/2	3/8	225	-	
1/2	1/2		307204	
5/8	1/2	200	307205	
3/4	1/2		-	
3/4	3/4		307206	
1	3/4	160	-	
1	1		307207	
1 1/4	1		-	
1 1/4	1 1/4		307208	
1 1/2	1 1/4		-	
1 1/2	1 1/2		307209	
2	1 1/2	100	-	
2	2		307210	

**Korpus przyłączy prostej z gwintem calowym BSP z uszczelnieniem płaskim**

Male stud adapter with elastomer seal, thread BSP parallel



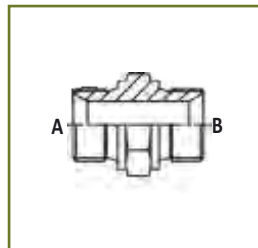
3072\_\_

**M**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	1750-__-__	1770-__-__
A	B			
10x1	10x1	400	1750-10-10	-
12x1,5	12x1,5		1750-12-12	-
12x1,5	14x1,5		-	1770-12-14
14x1,5	14x1,5		1750-14-14	-
14x1,5	16x1,5		-	1770-14-16
14x1,5	18x1,5		-	1770-14-18
14x1,5	22x1,5	350	-	1770-14-22
16x1,5	16x1,5	400	1750-16-16	-
16x1,5	18x1,5		-	1770-16-18
16x1,5	20x1,5	350	-	1770-16-20
16x1,5	22x1,5		-	1770-16-22
18x1,5	18x1,5	400	1750-18-18	-
18x1,5	20x1,5	350	-	1770-18-20
20x1,5	20x1,5		1750-20-20	-
20x1,5	22x1,5		-	1770-20-22
22x1,5	22x1,5		1750-22-22	-
22x1,5	26x1,5	315	-	1770-22-26
26x1,5	26x1,5		1750-26-26	-
26x1,5	30x1,5	250	-	1770-26-30
30x1,5	30x1,5		1750-30-30	-
30x1,5	38x1,5	200	-	1770-30-38
38x1,5	38x1,5		1750-38-38	-
38x1,5	45x1,5		-	1770-38-45
45x1,5	45x1,5	160	1750-45-45	-

**Korpus złączki prostej metrycznej stożek 60° (redukcyjna 1770-\_\_)**

Male straight adapter thread metric parallel, cone 60° (reduction 1770-\_\_)



1750-\_\_-\_\_  
1770-\_\_-\_\_

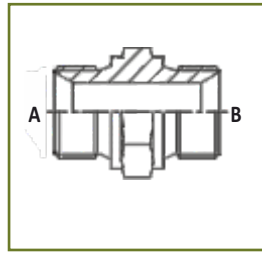
**BSP**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	1700-__-__	1800-__-__	4520-__	4530-__	4730-__	4900-__
A	B							
1/8	1/8	400	1700-02-02	-	4520-02	4530-02	4730-02	4900-02
1/8	1/4		-	1800-04-02	-	-	-	-
1/8	3/8		-	1800-06-02	-	-	-	-
1/8	1/2	350	-	1800-08-02	-	-	-	-
1/4	1/4	400	1700-04-04	-	4520-04	4530-04	4730-04	4900-04
1/4	3/8		-	1800-06-04	-	-	-	-
1/4	1/2		-	1800-08-04	-	-	-	-
1/4	5/8	350	-	1800-10-04	-	-	-	-
1/4	3/4	315	-	1800-12-04	-	-	-	-
1/4	1	250	-	1800-16-04	-	-	-	-
3/8	3/8	400	1700-06-06	-	4520-06	4530-06	4730-06	4900-06
3/8	1/2		-	1800-08-06	-	-	-	-
3/8	5/8		-	1800-10-06	-	-	-	-
3/8	3/4	315	-	1800-12-06	-	-	-	-
3/8	1	250	-	1800-16-06	-	-	-	-
1/2	1/2	350	1700-08-08	-	4520-08	4530-08	4730-08	4900-08
1/2	5/8		-	1800-10-08	-	-	-	-
1/2	3/4		-	1800-12-08	-	-	-	-
1/2	1	250	-	1800-16-08	-	-	-	-
1/2	1 1/4	200	-	1800-20-08	-	-	-	-
1/2	1 1/2	160	-	1800-24-08	-	-	-	-
5/8	5/8	350	1700-10-10	-	4520-10	4530-10	4730-10	4900-10
5/8	3/4		-	1800-12-10	-	-	-	-
5/8	1		-	1800-16-10	-	-	-	-
5/8	1 1/4	200	-	1800-20-10	-	-	-	-
3/4	3/4	315	1700-12-12	-	4520-12	4530-12	4730-12	4900-12
3/4	1		-	1800-16-12	-	-	-	-
3/4	1 1/4		-	1800-20-12	-	-	-	-
3/4	1 1/2	160	-	1800-24-12	-	-	-	-
1	1	250	1700-16-16	-	4520-16	4530-16	4730-16	4900-16
1	1 1/4		-	1800-20-16	-	-	-	-
1	1 1/2		-	1800-24-16	-	-	-	-
1	2	125	-	1800-32-16	-	-	-	-
1 1/4	1 1/4	200	1700-20-20	-	4520-20	4530-20	4730-20	4900-20
1 1/4	1 1/2		-	1800-24-20	-	-	-	-
1 1/4	2		-	1800-32-20	-	-	-	-
1 1/2	1 1/2	160	1700-24-24	-	4520-24	4530-24	4730-24	4900-20
1 1/2	2		-	1800-32-24	-	-	-	-
2	2		125	1700-32-32	-	4520-32	4530-32	4730-32



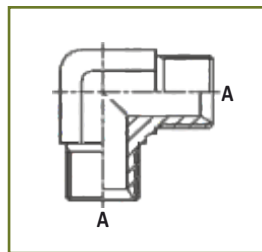


Złączka prosta z gwintem całowym BSP (redukcyjna 1800-\_\_-\_\_)  
Male straight adapter, thread BSP parallel (reduction)



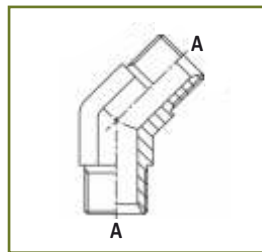
1700-\_\_-\_\_  
1800-\_\_-\_\_

Złączka kolankowa 90° z gwintem całowym BSP  
Male 90° adapter, thread BSP parallel



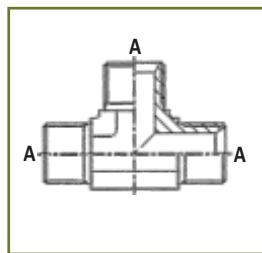
4520-\_\_

Złączka kolankowa 45° z gwintem całowym BSP  
Male 45° adapter, thread BSP parallel



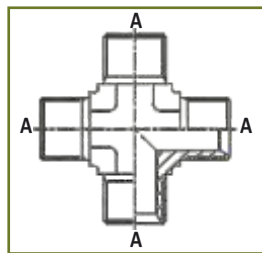
4530-\_\_

Złączka trójnikowa z gwintem całowym BSP  
Male equal tee adapter, thread BSP parallel



4730-\_\_

Złączka czwórnikowa z gwintem całowym BSP  
Male stud equal cross adapter, thread BSP parallel



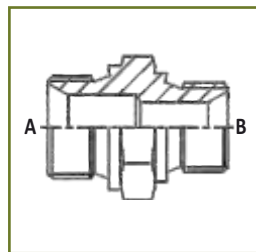
4900-\_\_



**BSP/M**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3007__
A	B		
1/8	10x1	400	300701
1/8	14x1,5		300702
1/4	10x1		300703
1/4	12x1,5		300704
1/4	14x1,5		300705
3/8	10x1		300706
3/8	12x1,5		300707
3/8	14x1,5		300708
3/8	16x1,5		300709
3/8	18x1,5		300710
3/8	22x1,5	350	300711
1/2	14x1,5		300712
1/2	16x1,5		300713
1/2	18x1,5		300714
1/2	20x1,5		300715
1/2	22x1,5		300716
5/8	18x1,5		300717
5/8	20x1,5		300718
5/8	22x1,5		300719
3/4	18x1,5		315
3/4	20x1,5	300721	
3/4	22x1,5	300722	
3/4	26x1,5	300723	
3/4	30x1,5	250	300724
1	26x1,5		300725
1	30x1,5		300726
1	38x1,5	200	300727
1 1/4	30x1,5		300728
1 1/4	38x1,5		300729
1 1/2	38x1,5	160	300730
1 1/2	45x1,5		300731
2	45x1,5		300732

**Korpus przyłączy prosty z gwintem stalowym BSP i metrycznym (stożek 60°)**  
 Male straight adapter BSP parallel and metric (cone 60°)



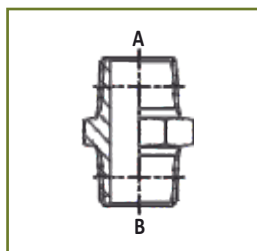
3007\_\_



**NPT**

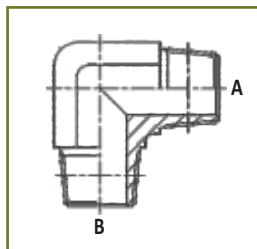
Gwint Thread A	Gwint Thread B	Ciśnienie Pressure (bar)	3002__	3021__
1/8	1/8	350	300201	302101
1/8	1/4		300202	-
1/4	1/4		300203	302102
1/4	3/8	250	300204	-
3/8	1/8		300215	-
3/8	3/8		300205	302103
3/8	1/2	225	300206	-
1/2	1/4		300216	-
1/2	1/2		300207	302104
1/2	3/4	200	300208	-
3/4	1/4		300217	-
3/4	3/4		300209	302105
3/4	1	160	300210	-
1	1		300211	302106
1 1/4	1		300218	-
1 1/4	1 1/4	100	300212	302107
1 1/2	1 1/2		300213	302108
2	2		300214	302109

**Korpus złączki prostej z gwintem NPT**  
 Male straight adapter NPT



3002\_\_

**Korpus złączki kolankowej 90° z gwintem NPT**  
 Male 90° adapter NPT

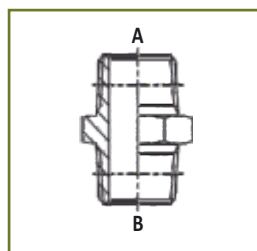


3021\_\_

**BSPT**

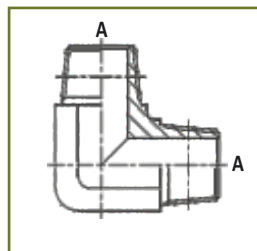
Gwint Thread A	Gwint Thread B	Ciśnienie Pressure (bar)	3001__	3020__
1/8	1/8	350	300101	302001
1/8	1/4		300102	-
1/4	1/4		300103	302002
1/4	3/8	250	300104	-
3/8	1/8		300115	-
3/8	3/8		300105	302003
3/8	1/2	225	300106	-
1/2	1/4		300116	-
1/2	1/2		300107	302004
1/2	3/4	200	300108	-
3/4	1/4		300117	-
3/4	3/4		300109	302005
3/4	1	160	300110	-
1	1		300111	302006
1 1/4	1		300118	-
1 1/4	1 1/4	100	300112	302007
1 1/2	1 1/2		300113	302008
2	2		300114	302009

**Korpus złączki prostej z gwintem BSPT**  
 Male straight adapter BSPT



3001\_\_

**Złączka kolankowa 90° z gwintem calowym BSPT**  
 Male 90° adapter, thread BSPT parallel



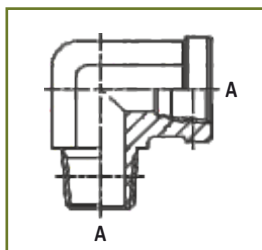
3020\_\_



**NPT**

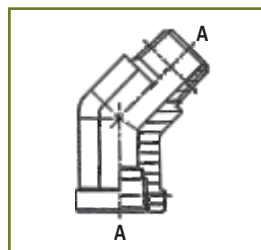
Gwint Thread	Ciśnienie Pressure (bar)	3039__	3041__	3047__	3049__
A					
1/8	350	303901	304101	304701	304901
1/4		303902	304102	304702	304902
3/8	250	303903	304103	304703	304903
1/2	225	303904	304104	304704	304904
3/4	200	303905	304105	304705	304905
1	160	303906	304106	304706	304906
1 1/4		303907	304107	304707	304907
1 1/2		303909	304108	304708	304909
2	100	303909	304109	304709	304909

**Złączka kolankowa 90° z gwintem stalowym NPT (wewnętrzny- zewnętrzny)**  
 Male/ Female stud 90° adapter NPT



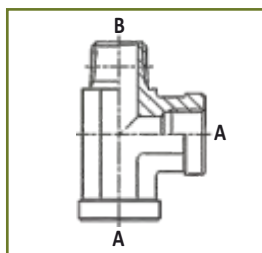
3039\_\_

**Złączka kolankowa 45° z gwintem stalowym NPT (wewnętrzny- zewnętrzny)**  
 Male/ Female stud 45° adapter NPT



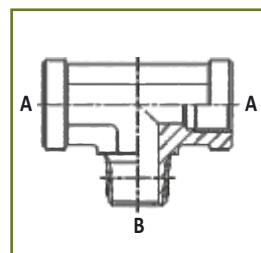
3041\_\_

**Złączka trójnikowa z gwintem stalowym NPT, niesymetryczna (wewnętrzny- zewnętrzny)**  
 Female stud barrel tee adapter NPT



3047\_\_

**Złączka trójnikowa z gwintem stalowym NPT, symetryczna (wewnętrzny- zewnętrzny)**  
 Female stud branch tee adapter NPT



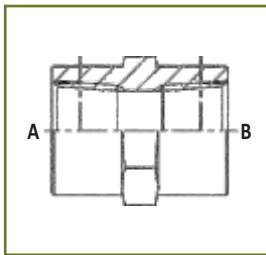
3049\_\_



**NPT**

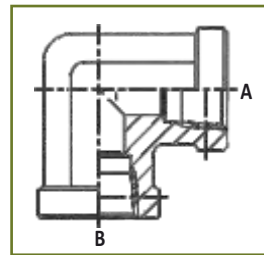
Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	3015__	3043__	3045__	3051__	3053__
A	B						
1/8	1/8	350	301501	304301	304501	305101	305301
1/8	1/4		301509	-	-	-	-
1/8	3/8	250	301510	-	-	-	-
1/4	1/4	350	301502	304302	304502	305102	305302
1/4	3/8	250	301511	-	-	-	-
1/4	1/2	225	301512	-	-	-	-
1/4	3/4	200	301513	-	-	-	-
3/8	3/8	250	301503	304303	304503	305103	305303
3/8	1/2	225	301514	-	-	-	-
1/2	1/2		301504	304304	304504	305104	305304
1/2	3/4	200	301515	-	-	-	-
3/4	3/4		301505	304305	304505	305105	305305
1	1	160	301506	304306	304506	305106	305306
1 1/4	1 1/4		301507	304307	304507	305107	305307
1 1/2	1 1/2		301508	304308	304508	305108	305308
2	2	100	-	304309	304509	305109	305309

**Tuleja prosta z gwintem NPT**  
 Female straight adapter NPT



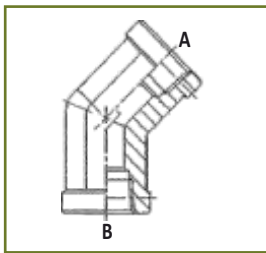
3015\_\_

**Korpus złączki kolankowej 90° z gwintem wew. NPT**  
 Female 90° adapter NPT



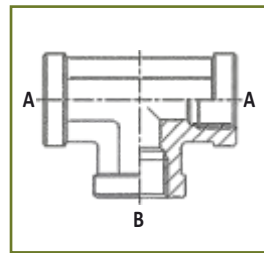
3043\_\_

**Korpus złączki kolankowej 45° z gwintem wewnętrznym NPT**  
 Female 45° adapter NPT



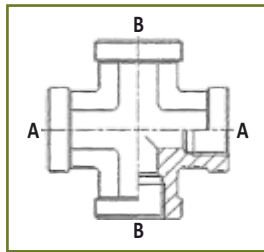
3045\_\_

**Korpus złączki trójnikowej z gwintem wewnętrznym NPT**  
 Female equal tee adapter NPT



3051\_\_

**Korpus złączki czwórnikowej z gwintem wewnętrznym NPT**  
 Female equal cross adapter NPT



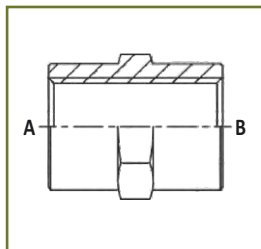
3053\_\_

**BSP**

Gwint Thread	Gwint Thread	Ciężnienie Pressure (bar)	A105-__-__	4570-__	4820-__	Gwint Thread	Gwint Thread	Ciężnienie Pressure (bar)	R605-__-__
						A	B		
1/8	1/8	350	A105-02-02	4570-02	4820-02	1/4	1/8	350	R605-04-02
1/8	1/4		A105-02-04	-	-	3/8	1/8		R605-06-02
1/8	3/8	250	A105-02-06	-	-	3/8	1/4	250	R605-06-04
1/4	1/4	350	A105-04-04	4570-04	4820-04	1/2	1/4	350	R605-08-04
1/4	3/8	250	A105-04-06	-	-	1/2	3/8	250	R605-08-06
1/4	1/2	225	A105-04-08	-	-	3/4	1/4	225	R605-12-04
1/4	3/4	200	A105-04-12	-	-	3/4	3/8	200	R605-12-06
3/8	3/8	250	A105-06-06	4570-06	4820-06	3/4	1/2	250	R605-12-08
3/8	1/2	225	A105-06-08	-	-	1	3/8	225	R605-16-06
1/2	1/2		A105-08-08	4570-08	4820-08	1	1/2		R605-16-08
1/2	3/4	200	A105-08-12	-	-	1	3/4	200	R605-16-12
3/4	3/4		A105-12-12	4570-12	4820-12	1 1/4	3/4		R605-20-12
1	1	160	A105-16-16	4570-16	4820-16	1 1/4	1	160	R605-20-16
1 1/4	1 1/4		A105-20-20	4570-20	4820-20	1 1/2	1		R605-24-16
1 1/2	1 1/2		A105-24-24	4570-24	4820-24	1 1/2	1 1/4		R605-24-20
2	2	100	A105-32-32	4570-32	4820-32	2	1 1/4	100	R605-32-20
-	-	-	-	-	-	2	1 1/2	100	R605-32-24

**Tuleja prosta z gwintem BSP**

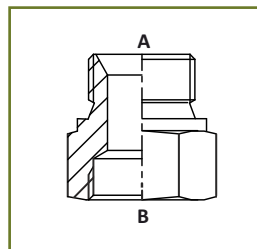
Female straight adapter, thread BSP parallel



A105-\_\_-\_\_

**Tuleja redukcyjna calowa BSP**

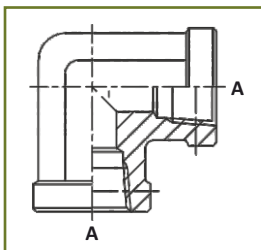
Male- female straight adapter thread BSP parallel



R605-\_\_-\_\_

**Złączka kolankowa 90° z gwintem wewnętrznym BSP**

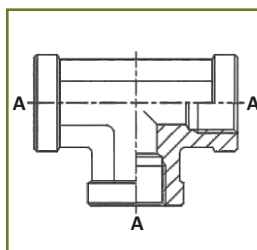
Female 90° adapter, thread BSP parallel



4570-\_\_

**Złączka trójnikowa z gwintem wewnętrznym BSP**

Female equal tee adapter, thread BSP parallel



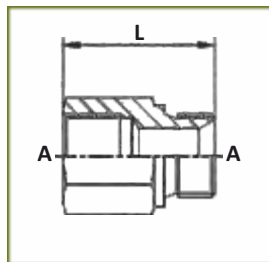
4820-\_\_



**BSP**

Gwint Thread	Długość Length	Ciśnienie Pressure (bar)	3008__
A	L		
1/8	28	315	300801
1/8	38		300802
1/8	48		300803
1/4	32		300804
1/4	41		300805
1/4	54		300806
1/4	59		300807
3/8	32		300808
3/8	45		300809
3/8	50		300810
3/8	57		300811
1/2	37		300812
1/2	40		300813
1/2	50		300814
1/2	60		300815
1/2	80		300816
3/4	48	315	300817
3/4	56		300818
3/4	73		300819
1	54	250	300820
1	84		300821

**Korpus złączki z gwintem BSP (wewnętrzny- zewnętrzny)**  
 Male female straight adapter thread BSP parallel

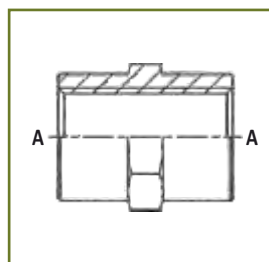


3008\_\_

**M**

Gwint Thread	Ciśnienie Pressure (bar)	M105-__-__
A		
10x1	350	M105-10-10
12x1,5		M105-12-12
14x1,5		M105-14-14
16x1,5	250	M105-16-16
18x1,5		M105-18-18
22x1,5		M105-22-22
27x2	200	M105-27-27
33x2	160	M105-33-33
42x2		M105-42-42
48x2		M105-48-48

**Tuleja prosta z gwintem metrycznym**  
 Female straight adapter metric



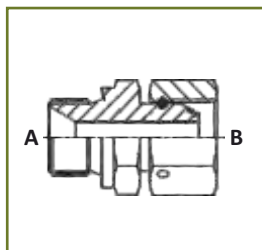
M105-\_\_-\_\_



**BSP**

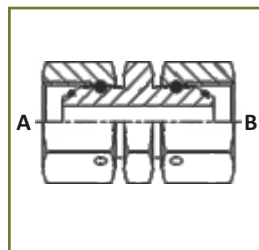
Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	2350-__-__	2450-__-__	4500-__	4700-__
A	B					
1/8	1/8	400	2350-02-02	2450-02-02	4500-02	4700-02
1/4	1/4		2350-04-04	2450-04-04	4500-04	4700-04
1/4	3/8		2350-04-06	2450-04-06	-	-
1/4	1/2	350	2350-04-08	2450-04-08	-	-
3/8	1/4	400	2350-06-04	2450-06-04	-	-
3/8	3/8		2350-06-06	2450-06-06	4500-06	4700-06
3/8	1/2	350	2350-06-08	2450-06-08	-	-
1/2	1/4		2350-08-04	-	-	-
1/2	3/8		2350-08-06	-	-	-
1/2	1/2		2350-08-08	2450-08-08	4500-08	4700-08
1/2	3/4	315	2350-08-12	2450-08-12	-	-
5/8	5/8	350	2350-10-10	2450-10-10	4500-10	4700-10
3/4	1/2	315	2350-12-08	-	-	-
3/4	3/4		2350-12-12	2450-12-12	4500-12	4700-12
1	3/4	250	2350-16-12	2450-16-16	4500-16	4700-16
1	1		2350-16-16	-	-	-
1 1/4	1 1/4	200	2350-20-20	2450-20-20	4500-20	4700-20
1 1/2	1 1/2	160	2350-24-24	2450-24-24	4500-24	4700-24
2	2	125	2350-32-32	2450-32-32	4500-32	4700-32

**Korpus złączki prostej z gwintem BSP z nakrętką obrotową**  
 Straight adapter with swivel nut, thread BSP parallel



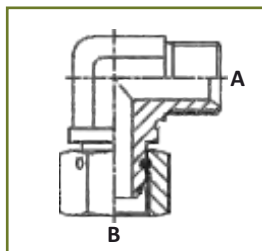
2350-\_\_-\_\_

**Korpus złączki prostej z gwintem BSP, z dwiema nakrętkami obrotowymi**  
 Straight adapter with double swivel nuts, thread BSP parallel



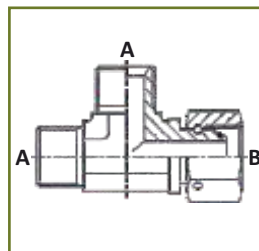
2450-\_\_-\_\_

**Korpus złączki kolankowej 90° z gwintem BSP z nakrętką obrotową, uszczelnienie o-ring**  
 90° adapter with swivel nut, thread BSP parallel



4500-\_\_

**Korpus złączki trójnikowej, niesymetrycznej z gwintem BSP, z nakrętką obrotową**  
 Barrel tee adapter with swivel nut, thread BSP parallel



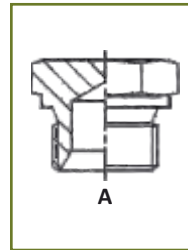
4700-\_\_



**BSP**

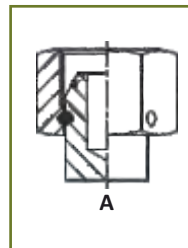
Gwint Thread	Ciśnienie Pressure (bar)	A605-__	A608-__
A			
1/8	400	A605-02	A608-02
1/4		A605-04	A608-04
3/8		A605-06	A608-06
1/2	350	A605-08	A608-08
5/8		A605-10	A608-10
3/4	315	A605-12	A608-12
1	250	A605-16	A608-16
1 1/4	200	A605-20	A608-20
1 1/2	160	A605-24	A608-24
2	125	A605-32	A608-32

**Korek zamykający calowy BSP pod klucz płaski**  
 Closure plug BSP



A605-\_\_

**Korek zamykający z gwintem wewnętrznym calowym BSP**  
 Female plug swivel BSP

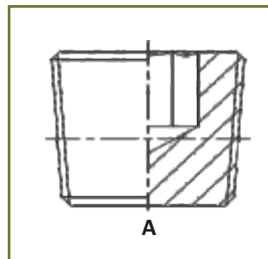


A608-\_\_

**NPT**

Gwint Thread	Ciśnienie Pressure (bar)	3011__
A		
1/8	350	301101
1/4		301102
3/8		301103
1/2	225	301104
3/4	200	301105
1	160	301106
1 1/4		301107
1 1/2		301108

**Korek stożkowy NPT**  
 Hexagon socket plug NPT

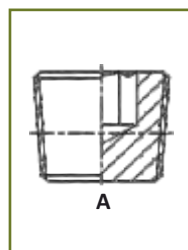


3011\_\_

**BSPT**

Gwint Thread	Ciśnienie Pressure (bar)	3010__
A		
1/8	350	301001
1/4		301002
3/8		301003
1/2	225	301004
3/4	200	301005
1	160	301006
1 1/4		301007
1 1/2		301008

**Korek stożkowy BSPT**  
 Hexagonal socket plug BSPT



3010\_\_

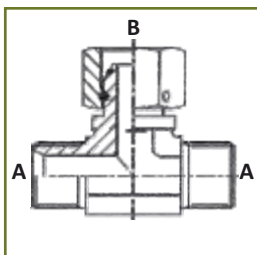


**BSP**

Gwint Thread	Gwint Thread	Ciśnienie Pressure (bar)	4710-__	4720-__	4550-__	4510-__	4800-__	4810-__
A	B							
1/8	1/8	400	4710-02	4720-02	4550-02	4510-02	-	-
1/4	1/4		4710-04	4720-04	4550-04	4510-04	4800-04	4810-04
3/8	3/8		4710-06	4720-06	4550-06	4510-06	4800-06	4810-06
1/2	1/2	350	4710-08	4720-08	4550-08	4510-08	4800-08	4810-08
5/8	5/8		4710-10	4720-10	4550-10	4510-10	-	-
3/4	3/4	315	4710-12	4720-12	4550-12	4510-12	4800-12	4810-12
1	1	250	4710-16	4720-16	4550-16	4510-16	4800-16	4810-16
1 1/4	1 1/4	200	4710-20	4720-20	4550-20	4510-20	-	-
1 1/2	1 1/2	160	4710-24	4720-24	4550-24	4510-24	-	-
2	2	125	4710-32	4720-32	4550-32	4510-32	-	-

**Korpus złączki trójnikowej, symetrycznej z gwintem BSP, z nakrętką obrotową**

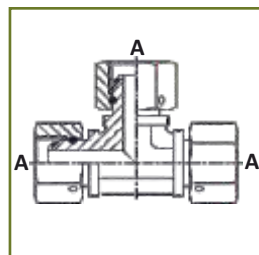
Branch tee adapter with swivel nut, thread BSP parallel



4710-\_\_

**Złączka trójnikowa z trzema nakrętkami z gwintem BSP**

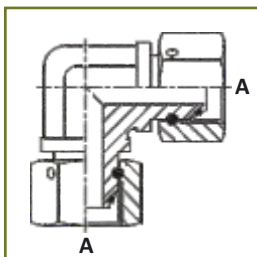
Branch tee adapter with swivel nuts, thread BSP parallel



4720-\_\_

**Korpus złączki kolankowej 90° z gwintem BSP, z dwiema nakrętkami obrotowymi**

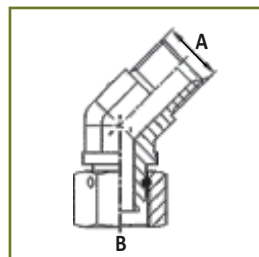
90° elbow adapter with double swivel nuts, thread BSP parallel



4550-\_\_

**Korpus złączki kolankowej 45° z gwintem BSP z nakrętką obrotową**

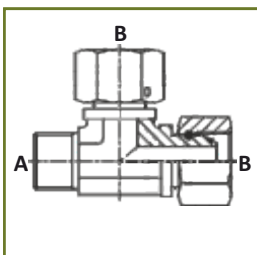
45° elbow adapter with swivel nut, thread BSP parallel



4510-\_\_

**Złączka trójnikowa calowa BSP z dwiema nakrętkami (niesymetryczna)**

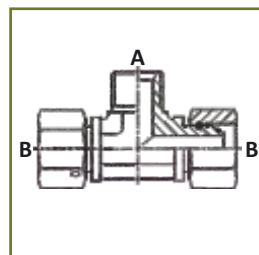
Male tee adapter with swivel nut, thread BSP parallel



4800-\_\_

**Złączka trójnikowa calowa BSP z dwiema nakrętkami (symetryczna)**

Branch tee adapter with swivel nut, thread BSP parallel



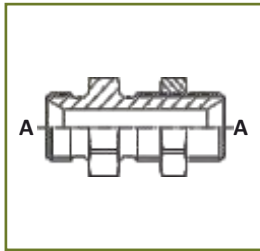
4810-\_\_



**BSP**

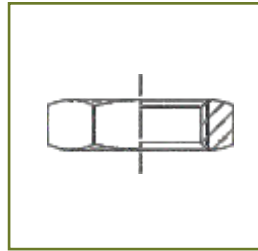
Gwint BSP Thread	Ciśnienie Pressure (bar)	A106-__	A107-__
A			
1/8-28	400	A106-02	A107-02
1/4-19		A106-04	A107-04
3/8-19		A106-06	A107-06
1/2-14	350	A106-08	A107-08
5/8-14	315	A106-10	A107-10
3/4-14		A106-12	A107-12
1-11	250	A106-16	A107-16
1 1/4-11	215	A106-20	A107-20
1 1/2-11	160	A106-24	-
2-11	125	A106-320	-

**Złączka prosta calowa BSP- grodziowa z przeciwnakrętką**  
 Straight bulkhead adapter BSP



A106-\_\_

**Przeciwnakrętka BSP**  
 Locknut BSP



A107-\_\_

