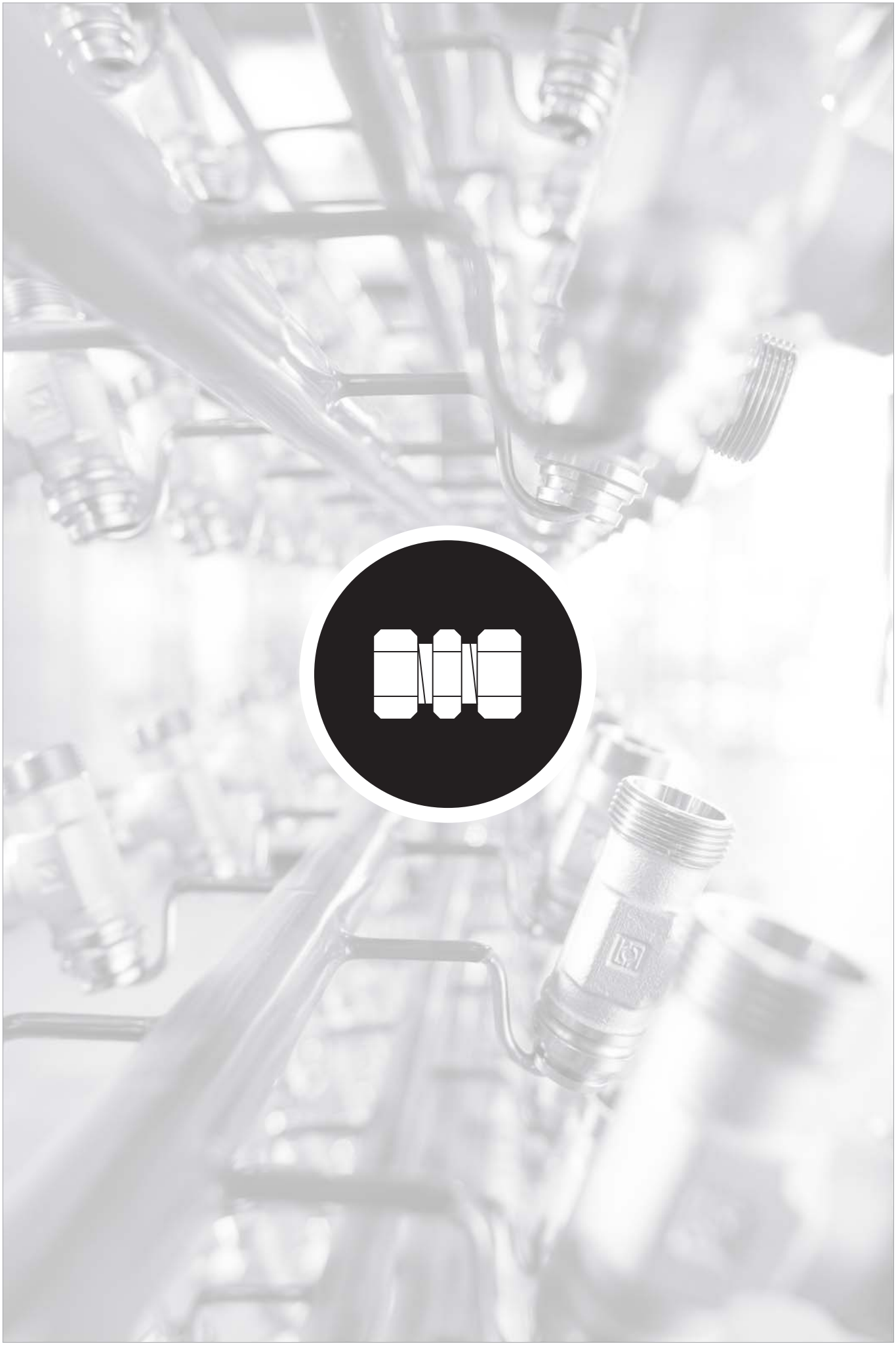

	Thread Reducer FI-RED	**224-226**
	**Whitworth Parallel Pipe Thread (BSPP) / Profile Sealing Ring** FI-RED-...-R-WD	**224**
	**Whitworth Parallel Pipe Thread (BSPP) / Metallic Sealing Edge** FI-RED-...-R	**226**
	Blanking Screw for Ports (Heavy Duty) FI-VSV	**228-229**
	**Whitworth Parallel Pipe Thread (BSPP) / Profile Sealing Ring** FI-VSV-...-R-WD	**228**
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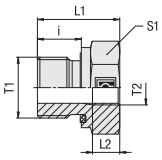
	**Whitworth Parallel Pipe Thread (BSPP) / Profile Sealing Ring** FI-VS-...-R-WD	**230**
	**Metric Parallel Thread / Profile Sealing Ring** FI-VS-...-M-WD	**231**
	**Whitworth Parallel Pipe Thread (BSPP) / Metallic Sealing Edge** FI-VS-...-R	**232**
	**Metric Parallel Thread / O-Ring** FI-VS-...-M-OR	**233**
	**Blanking Plug with 24° Taper / O-Ring (DKO)** FI-VD	**234**
	**Blanking Plug with Sealing Edge** FI-BUZ	**235**
	**Blanking Plug for Tube Ends** FI-VSK	**236**
	**Hexagon Lock Nut** FI-SKM	**237**
	**Profile Sealing Ring** WDG	**238**
	**O-Ring** O-RING	**239**
	**External Metallic Sealing Ring** FI-DKR	**244**
	**Retaining Ring with Captive Seal** FI-DIR	**245**
	**Internal Metallic Sealing Ring** FI-DKI	**246**
	**Retaining Ring (Small)** FI-KR	**247**

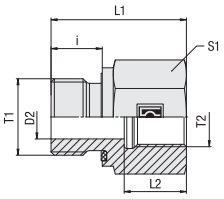
Thread Reducer
Type FI-RED-...-R-WD



Version A



Version B



Ordering Codes

***FI-RED*-R*1/2*-WD*-R*3/8*-B*-W3**

* Thread Reducer		**FI-RED**
* Thread Type T1	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T1	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Seal Type	Profile Sealing Ring	**-WD**
* Thread Type T2	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T2	acc. to dimension table	**3/8**
Please always indicate thread sizes, e.g. 3/8!		
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**

Please contact STAUFF for alternative materials and surface finishings.

Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

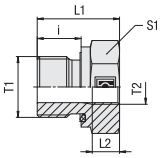
Male / Female Whitworth Parallel Pipe Thread (BSPP) — Profile Sealing Ring

PN bar	Dimensions mm							Version	Torque N·m	Weight kg ca.	Ordering Codes
	Thread T1	Thread T2	D2	i	L1	L2	S1		Thread T	per 100	
630	G 1/8	G 1/4	4	8	31	17	19	B	25	4,30	**FI-RED-R1/8-WD-R1/4-B-W3**
630	G 1/8	G 3/8	4	8	32	17	24	B	25	6,70	**FI-RED-R1/8-WD-R3/8-B-W3**
630	G 1/4	G 1/8	5	12	29	12	19	B	55	4,40	**FI-RED-R1/4-WD-R1/8-B-W3**
630	G 1/4	G 1/4	8	12	35,5	17	22	B	55	4,26	**FI-RED-R1/4-WD-R1/4-B-W3**
630	G 1/4	G 3/8	5	12	36	17	24	B	55	7,30	**FI-RED-R1/4-WD-R3/8-B-W3**
630	G 1/4	G 1/2	5	12	40	20	30	B	55	12,80	**FI-RED-R1/4-WD-R1/2-B-W3**
630	G 1/4	G 3/4	5	12	43	22	36	B	55	18,80	**FI-RED-R1/4-WD-R3/4-B-W3**
630	G 3/8	G 1/8		12	22,5	8,5	22	A	80	4,20	**FI-RED-R3/8-WD-R1/8-B-W3**
630	G 3/8	G 1/4	8	12	36	17	22	B	80	7,40	**FI-RED-R3/8-WD-R1/4-B-W3**
630	G 3/8	G 1/2	8	12	41	20	30	B	80	13,60	**FI-RED-R3/8-WD-R1/2-B-W3**
400	G 3/8	G 3/4	8	12	44	22	36	B	80	19,70	**FI-RED-R3/8-WD-R3/4-B-W3**
630	G 1/2	G 1/8		14	24	8	27	A	115	7,00	**FI-RED-R1/2-WD-R1/8-B-W3**
630	G 1/2	G 1/4		14	24	12	27	A	115	6,20	**FI-RED-R1/2-WD-R1/4-B-W3**
630	G 1/2	G 3/8	12	14	37	17	27	B	115	10,40	**FI-RED-R1/2-WD-R3/8-B-W3**
630	G 1/2	G 1/2	12	14	43	20	30	B	115	13,11	**FI-RED-R1/2-WD-R1/2-B-W3**
400	G 1/2	G 3/4	12	14	46	22	36	B	115	20,10	**FI-RED-R1/2-WD-R3/4-B-W3**
400	G 1/2	G 1	12	14	49	24,5	41	B	115	25,10	**FI-RED-R1/2-WD-R1-B-W3**
250	G 1/2	G 1 1/4	10	14	53	26,5	55	B	115	52,10	**FI-RED-R1/2-WD-R1-1/4-B-W3**

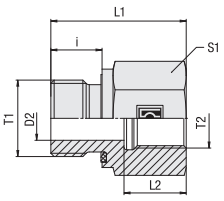
Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Version A



Version B



Thread Reducer
Type FI-RED-...-R-WD



Profile Sealing Ring

Male / Female Whitworth Parallel Pipe Thread (BSPP)

PN bar	Dimensions mm							Version	Torque N·m	Weight kg ca.	Ordering Codes
	Thread T1	Thread T2	D2	i	L1	L2	S1		Thread T	per 100	
400	G 3/4	G 1/4		16	26	12,5	32	A	180	10,90	**FI-RED-R3/4-WD-R1/4-B-W3**
400	G 3/4	G 3/8		16	26	12,5	32	A	180	9,40	**FI-RED-R3/4-WD-R3/8-B-W3**
400	G 3/4	G 1/2	16	16	43	20	32	B	180	16,90	**FI-RED-R3/4-WD-R1/2-B-W3**
400	G 3/4	G 3/4	16	16	48	22	41	B	180	18,96	**FI-RED-R3/4-WD-R3/4-B-W3**
400	G 3/4	G 1	16	16	51	24,5	41	B	180	26,60	**FI-RED-R3/4-WD-R1-B-W3**
250	G 3/4	G 1 1/4	16	16	55	26,5	55	B	180	52,70	**FI-RED-R3/4-WD-R1-1/4-B-W3**
250	G 3/4	G 1 1/2	16	16	57	28,5	60	B	180	61,10	**FI-RED-R3/4-WD-R1-1/2-B-W3**
400	G 1	G 1/4		18	29	12,5	41	A	310	20,70	**FI-RED-R1-WD-R1/4-B-W3**
400	G 1	G 3/8		18	29	12,5	41	A	310	19,10	**FI-RED-R1-WD-R3/8-B-W3**
400	G 1	G 1/2		18	29	14,5	41	A	310	16,80	**FI-RED-R1-WD-R1/2-B-W3**
400	G 1	G 3/4	20	18	49	22	41	B	310	31,30	**FI-RED-R1-WD-R3/4-B-W3**
400	G 1	G 1	20	18	52	24,5	41	B	310	26,21	**FI-RED-R1-WD-R1-B-W3**
250	G 1	G 1 1/4	20	18	57	26,5	55	B	310	58,80	**FI-RED-R1-WD-R1-1/4-B-W3**
250	G 1	G 1 1/2	20	18	59	28,5	60	B	310	63,90	**FI-RED-R1-WD-R1-1/2-B-W3**
400	G 1 1/4	G 1/2		20	32	14,5	50	A	450	33,00	**FI-RED-R1-1/4-WD-R1/2-B-W3**
400	G 1 1/4	G 3/4		20	32	16,5	50	A	450	28,30	**FI-RED-R1-1/4-WD-R3/4-B-W3**
400	G 1 1/4	G 1	25	20	53	24,5	50	B	450	50,60	**FI-RED-R1-1/4-WD-R1-B-W3**
250	G 1 1/4	G 1 1/2	25	20	60	28,5	60	B	450	67,30	**FI-RED-R1-1/4-WD-R1-1/2-B-W3**
400	G 1 1/2	G 1/2		22	36	14,5	55	A	540	49,60	**FI-RED-R1-1/2-WD-R1/2-B-W3**
400	G 1 1/2	G 3/4		22	36	16	55	A	540	44,40	**FI-RED-R1-1/2-WD-R3/4-B-W3**
400	G 1 1/2	G 1		22	36	18,5	55	A	540	36,90	**FI-RED-R1-1/2-WD-R1-B-W3**
250	G 1 1/2	G 1 1/4		22	58	26,5	55	B	540	57,80	**FI-RED-R1-1/2-WD-R1-1/4-B-W3**
160	G 2	G 1		24	46	19,5	75	A	700	99,8	**FI-RED-R2-WD-R1-B-W3**
160	G 2	G 1 1/4		24	48	20,5	75	A	700	93,70	**FI-RED-R2-WD-R1-1/4-B-W3**
160	G 2	G 1 1/2	40	24	65	29	75	B	700	132,20	**FI-RED-R2-WD-R1-1/2-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Ordering Codes

***FI-RED*-R*1/2*-WD*-R*3/8*-B*-W3**

* Thread Reducer		**FI-RED**
* Thread Type T1	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T1	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Seal Type	Profile Sealing Ring	**-WD**
* Thread Type T2	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T2	acc. to dimension table	**3/8**
Please always indicate thread sizes, e.g. 3/8!		
* Seal Material	NBR (Buna-N®) FKM (Viton®)	**-B** **-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**
Please contact STAUFF for alternative materials and surface finishings.		

Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

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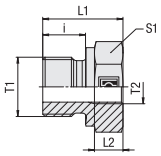
Thread Reducer
Type FI-RED-...-R



Version A



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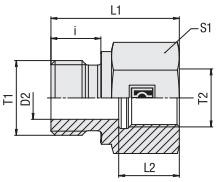

Male / Female Whitworth Parallel Pipe Thread (BSPP) — Metallic Sealing Edge

Ordering Codes

***FI-RED*-R*1/2*-R*3/8*-B*-W3**

* Thread Reducer		**FI-RED**
* Thread Type T1	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T1	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Thread Type T2	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T2	acc. to dimension table	**3/8**
Please always indicate thread sizes, e.g. 3/8!		
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**
Please contact STAUFF for alternative materials and surface finishings.		

PN bar	Dimensions mm							Version	Torque N·m	Weight kg ca.	Ordering Codes
	Thread T1	Thread T2	D2	i	L1	L2	S1		Thread T	per 100	
400	G 1/8	G 1/4	4	8	31	17	19	B	25	4,25	**FI-RED-R1/8-R1/4-W3**
400	G 1/8	G 3/8	4	8	32	17	24	B	25	6,15	**FI-RED-R1/8-R3/8-W3**
400	G 1/4	G 1/8	5	12	28	12	19	B	60	3,91	**FI-RED-R1/4-R1/8-W3**
400	G 1/4	G 3/8	5	12	36	17	24	B	60	6,80	**FI-RED-R1/4-R3/8-W3**
400	G 1/4	G 1/2	5	12	40	20	30	B	60	11,80	**FI-RED-R1/4-R1/2-W3**
315	G 1/4	G 3/4	5	12	43	22	36	B	60	17,50	**FI-RED-R1/4-R3/4-W3**
400	G 3/8	G 1/8		12	22,5	8	22	A	110	4,20	**FI-RED-R3/8-R1/8-W3**
400	G 3/8	G 1/4	8	12	36	17	22	B	110	7,05	**FI-RED-R3/8-R1/4-W3**
400	G 3/8	G 1/2	8	12	41	20	30	B	110	17,80	**FI-RED-R3/8-R1/2-W3**
315	G 3/8	G 3/4	8	12	44	22	36	B	110	18,40	**FI-RED-R3/8-R3/4-W3**
400	G 1/2	G 1/8		14	24	8	27	A	200	6,58	**FI-RED-R1/2-R1/8-W3**
315	G 1/2	G 1/4		14	24	12,5	27	A	200	5,53	**FI-RED-R1/2-R1/4-W3**
315	G 1/2	G 3/8	12	14	36	17	27	B	200	9,30	**FI-RED-R1/2-R3/8-W3**
315	G 1/2	G 3/4	12	14	46	22	36	B	200	18,50	**FI-RED-R1/2-R3/4-W3**
315	G 1/2	G 1	12	14	49	24,5	41	B	200	22,70	**FI-RED-R1/2-R1-W3**
160	G 1/2	G 1 1/4	12	14	53	26,5	55	B	200	48,10	**FI-RED-R1/2-R1-1/4-W3**

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

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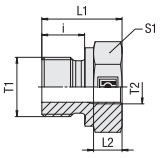
Version A



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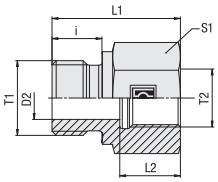


Thread Reducer
Type FI-RED-...-R



Metallic Sealing Edge

Male / Female Whitworth Parallel Pipe Thread (BSPP)

PN bar	Dimensions mm							Version	Torque N·m	Weight kg ca.	Ordering Codes
	Thread T1	Thread T2	D2	i	L1	L2	S1		Thread T	per 100	
400	G 3/4	G 1/4		16	26	12,5	32	A	320	10,20	**FI-RED-R3/4-R1/4-W3**
400	G 3/4	G 3/8		16	26	12,5	32	A	320	8,70	**FI-RED-R3/4-R3/8-W3**
400	G 3/4	G 1/2	16	16	41	20	32	B	320	14,60	**FI-RED-R3/4-R1/2-W3**
400	G 3/4	G 1	16	16	51	24,5	41	B	320	24,60	**FI-RED-R3/4-R1-W3**
400	G 3/4	G 1 1/4	16	16	55	26,5	55	B	320	48,40	**FI-RED-R3/4-R1-1/4-W3**
250	G 3/4	G 1 1/2	16	16	57	28,5	60	B	320	57,00	**FI-RED-R3/4-R1-1/2-W3**
315	G 1	G 1/4		18	29	12,5	41	A	500	19,10	**FI-RED-R1-R1/4-W3**
315	G 1	G 3/8		18	29	12,5	41	A	500	17,90	**FI-RED-R1-R3/8-W3**
315	G 1	G 1/2		18	29	14,5	41	A	500	15,40	**FI-RED-R1-R1/2-W3**
315	G 1	G 3/4	20	18	47	22	41	B	500	27,60	**FI-RED-R1-R3/4-W3**
160	G 1	G 1 1/4	20	18	57	26,5	55	B	500	52,10	**FI-RED-R1-R1-1/4-W3**
160	G 1	G 1 1/2	20	18	59	28,5	60	B	500	59	**FI-RED-R1-R1-1/2-W3**
160	G 1 1/4	G 1/2		20	32	14,5	50	A	600	31,30	**FI-RED-R1-1/4-R1/2-W3**
160	G 1 1/4	G 3/4		20	32	16,5	50	A	600	26,50	**FI-RED-R1-1/4-R3/4-W3**
160	G 1 1/4	G 1	25	20	53	24,5	50	B	600	4,7	**FI-RED-R1-1/4-R1-W3**
160	G 1 1/4	G 1 1/2	25	20	60	28,5	60	B	600	63,3	**FI-RED-R1-1/4-R1-1/2-W3**
160	G 1 1/2	G 1 1/4	32	22	58	26,5	55	B	800	53	**FI-RED-R1-1/2-R1-1/4-W3**
160	G 1 1/2	G 1/2		22	36	14,5	55	A	800	47,30	**FI-RED-R1-1/2-R1/2-W3**
160	G 1 1/2	G 3/4		22	36	14,5	55	A	800	41,90	**FI-RED-R1-1/2-R3/4-W3**
160	G 1 1/2	G 1		22	36	18	55	A	800	34,10	**FI-RED-R1-1/2-R1-W3**
160	G 2	G 1 1/4		24	62	20,5	70	A	1000	99,50	**FI-RED-R2-R1-1/4-W3**
160	G 2	G 1 1/2	40	24	62	28,5	70	B	1000	107,30	**FI-RED-R2-R1-1/2-W3**

Ordering Codes

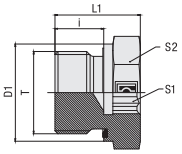
***FI-RED*-R*1/2*-R*3/8*-B*-W3**

* Thread Reducer		**FI-RED**
* Thread Type T1	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T1	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Thread Type T2	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size T2	acc. to dimension table	**3/8**
Please always indicate thread sizes, e.g. 3/8!		
* Seal Material	NBR (Buna-N®) FKM (Viton®)	**-B** **-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**
Please contact STAUFF for alternative materials and surface finishings.		

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Blanking Screw for Ports (Heavy Duty)
Type FI-VSV-...-R-WD





Ordering Codes

***FI-VSV*-R*1/2*-WD*-B*-W3**

* Blanking Screw for Ports		**FI-VSV**
* Thread Type	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Seal Type	Profile Sealing Ring	**-WD**
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**
Please contact STAUFF for alternative materials and surface finishings.		

Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

Whitworth Parallel Pipe Thread (BSPP) — Profile Sealing Ring

PN bar	Dimensions mm Thread T	D1	i	L1	S1	S2	Torque N·m Thread T	Weight kg ca. per 100	Ordering Codes
400	G 1/8	14	8	18	5	14	18	1,56	**FI-VSV-R1/8-WD-B-W3**
400	G 1/4	19	12	20	6	19	33	2,73	**FI-VSV-R1/4-WD-B-W3**
400	G 3/8	22	12	22	8	22	70	4,48	**FI-VSV-R3/8-WD-B-W3**
400	G 1/2	27	14	24	10	27	90	7,27	**FI-VSV-R1/2-WD-B-W3**
400	G 3/4	32	16	28	12	32	181	13,02	**FI-VSV-R3/4-WD-B-W3**
400	G 1	39,9	18	33	17	41	250	23,80	**FI-VSV-R1-WD-B-W3**
400	G 1 1/4	49,9	20	38	22	50	400	42,00	**FI-VSV-R1-1/4-WD-B-W3**
400	G 1 1/2	54,9	22	40	24	55	500	55,60	**FI-VSV-R1-1/2-WD-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to ISO 1179-2 (Type E)
Port acc. to ISO 1179-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

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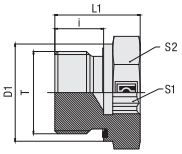
Blanking Screw for Ports (Heavy Duty)
Type FI-VSV-...-M-WD





Profile Sealing Ring

Metric Parallel Thread

PN bar	Dimensions mm						Torque N·m	Weight kg ca.	Ordering Codes
	Thread T	D1	i	L1	S1	S2	Thread T	per 100	
400	M 10 x 1	14	8	18	5	14	12	1,58	**FI-VSV-M10x1-WD-B-W3**
400	M 12 x 1,5	17	12	20	6	17	25	2,13	**FI-VSV-M12x1.5-WD-B-W3**
400	M 14 x 1,5	19	12	22	6	19	45	3,35	**FI-VSV-M14x1.5-WD-B-W3**
400	M 16 x 1,5	22	12	22	8	22	55	4,30	**FI-VSV-M16x1.5-WD-B-W3**
400	M 18 x 1,5	24	12	22	8	24	70	5,38	**FI-VSV-M18x1.5-WD-B-W3**
400	M 20 x 1,5	27	14	22	10	27	80	6,09	**FI-VSV-M20x1.5-WD-B-W3**
400	M 22 x 1,5	27	14	22	10	27	125	6,77	**FI-VSV-M22x1.5-WD-B-W3**
400	M 26 x 1,5	32	16	30	12	32	180	14,33	**FI-VSV-M26x1.5-WD-B-W3**
400	M 27 x 2	32	16	28	12	32	180	13,23	**FI-VSV-M27x2-WD-B-W3**
400	M 33 x 2	40	18	33	17	41	250	29,32	**FI-VSV-M33x2-WD-B-W3**
400	M 42 x 2	50	20	38	22	50	400	57,35	**FI-VSV-M42x2-WD-B-W3**
400	M 48 x 2	55	22	40	24	55	500	73,79	**FI-VSV-M48x2-WD-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to ISO 9974-2 (Type E)
Port acc. to ISO 9974-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

Ordering Codes

***FI-VSV*-M*12x1.5*-WD*-B*-W3**

* Blanking Screw for Ports		**FI-VSV**
* Thread Type	Metric Parallel Thread	**M**
* Thread Size	acc. to dimension table	**12x1.5**
Please always indicate thread sizes, e.g. 12x1.5!		
* Seal Type	Profile Sealing Ring	**-WD**
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**

Please contact STAUFF for alternative materials and surface finishings.

Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

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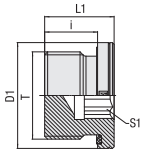
Blanking Screw for Ports
Type FI-VS-...-R-WD





Ordering Codes

***FI-VS*-R*1/2*-WD*-B*-W3**

* Blanking Screw for Ports		**FI-VS**
* Thread Type	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Seal Type	Profile Sealing Ring	**-WD**
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**

Please contact STAUFF for alternative materials and surface finishings.

Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

Whitworth Parallel Pipe Thread (BSPP) — Profile Sealing Ring

PN bar	Dimensions mm Thread T	D1	i	L1	S1	Torque N·m Thread T	Weight kg ca. per 100	Ordering Codes
400	G 1/8	14	8	12,3	5	15	0,70	**FI-VS-R1/8-WD-B-W3**
400	G 1/4	19	12	17,3	6	25	1,90	**FI-VS-R1/4-WD-B-W3**
400	G 3/8	22	12	17,3	8	50	2,70	**FI-VS-R3/8-WD-B-W3**
400	G 1/2	27	14	19,3	10	70	4,60	**FI-VS-R1/2-WD-B-W3**
400	G 3/4	32	16	21,3	12	120	8,00	**FI-VS-R3/4-WD-B-W3**
400	G 1	40	16	22,8	17	200	12,80	**FI-VS-R1-WD-B-W3**
315	G 1 1/4	50	16	22,8	22	320	19,90	**FI-VS-R1-1/4-WD-B-W3**
315	G 1 1/2	55	16	22,8	24	400	26,20	**FI-VS-R1-1/2-WD-B-W3**
250	G 2	75	24	34	24	750	73	**FI-VS-R2-WD-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to ISO 1179-2 (Type E)
Port acc. to ISO 1179-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

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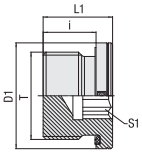
Blanking Screw for Ports
Type FI-VS-...-M-WD





Profile Sealing Ring

Metric Parallel Thread

PN bar	Dimensions mm					Torque N·m	Weight kg ca.	Ordering Codes
	Thread T	D1	i	L1	S1	Thread T	per 100	
400	M 8 x 1	12	8	12	4	10	0,50	**FI-VS-M8x1-WD-B-W3**
400	M 10 x 1	14	8	12,3	5	12	0,70	**FI-VS-M10x1-WD-B-W3**
400	M 12 x 1,5	17	12	17,3	6	23	1,50	**FI-VS-M12x1.5-WD-B-W3**
400	M 14 x 1,5	19	12	17,3	6	30	2,00	**FI-VS-M14x1.5-WD-B-W3**
400	M 16 x 1,5	22	12	17,3	8	50	2,60	**FI-VS-M16x1.5-WD-B-W3**
400	M 18 x 1,5	24	12	17,3	8	65	3,30	**FI-VS-M18x1.5-WD-B-W3**
400	M 20 x 1,5	26	14	19,3	10	80	4,30	**FI-VS-M20x1.5-WD-B-W3**
400	M 22 x 1,5	27	14	19,3	10	90	5,10	**FI-VS-M22x1.5-WD-B-W3**
400	M 26 x 1,5	32	16	21,3	12	100	8,00	**FI-VS-M26x1.5-WD-B-W3**
400	M 27 x 2	32	16	21,3	12	130	8,20	**FI-VS-M27x2-WD-B-W3**
400	M 33 x 2	40	16	22,8	17	250	13,10	**FI-VS-M33x2-WD-B-W3**
250	M 42 x 2	50	16	22,8	22	310	20,40	**FI-VS-M42x2-WD-B-W3**
250	M 48 x 2	55	16	22,8	24	380	26,90	**FI-VS-M48x2-WD-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to ISO 9974-2 (Type E)
Port acc. to ISO 9974-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

Ordering Codes

***FI-VS*-M*12x1.5*-WD*-B*-W3**

* Blanking Screw for Ports		**FI-VS**
* Thread Type	Metric Parallel Thread	**M**
* Thread Size	acc. to dimension table	**12x1.5**
Please always indicate thread sizes, e.g. 12x1.5!		
* Seal Type	Profile Sealing Ring	**-WD**
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**

Please contact STAUFF for alternative materials and surface finishings.

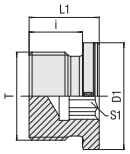
Spare Parts / Accessories



Profile Sealing Ring
Type **WDG** Page 238

Blanking Screw for Ports
Type FI-VS-...-R





Whitworth Parallel Pipe Thread (BSPP)

Metallic Sealing Edge

Ordering Codes

***FI-VS*-R*1/2*-W3**

* Blanking Screw for Ports		**FI-VS**
* Thread Type	Whitworth Parallel Pipe Thread (BSPP)	**R**
* Thread Size	acc. to dimension table	**1/2**
Please always indicate thread sizes, e.g. 1/2!		
* Material Code	Steel, zinc/nickel-plated	**-W3**
Please contact STAUFF for alternative materials and surface finishings.		

PN bar	Dimensions mm					Torque N·m	Weight kg ca.	Ordering Codes
	Thread T	D1	i	L1	S1	Thread T	per 100	
400	G 1/8	14	8	12,3	5	25	0,70	**FI-VS-R1/8-W3**
400	G 1/4	18	12	17,3	6	40	1,80	**FI-VS-R1/4-W3**
400	G 3/8	22	12	17,3	8	95	2,70	**FI-VS-R3/8-W3**
400	G 1/2	26	14	19,3	10	130	4,60	**FI-VS-R1/2-W3**
400	G 3/4	32	16	21,3	12	250	7,90	**FI-VS-R3/4-W3**
400	G 1	39	16	22,8	17	400	12,80	**FI-VS-R1-W3**
315	G 1 1/4	49	16	22,8	22	600	19,30	**FI-VS-R1-1/4-W3**
315	G 1 1/2	55	16	22,8	24	800	26,10	**FI-VS-R1-1/2-W3**

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to DIN 3852-2 (Form B) / ISO 1179-4 (Type B)
Port acc. to DIN 3852-2 (Form X) / ISO 1179-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

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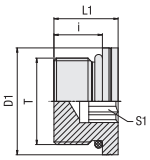
Blanking Screw for Ports
Type FI-VS-...-M-OR





O-Ring

Metric Parallel Thread

PN bar	Dimensions mm					Torque N·m	Weight kg ca.	Ordering Codes
	Thread T	D1	i	L1	S1	Thread T	per 100	
630	M 10 x 1	13,8	9,5	13,5	5	15	0,8	**FI-VS-M10x1-OR-B-W3**
630	M 12 x 1,5	16,8	11	15,5	6	22	1,4	**FI-VS-M12x1.5-OR-B-W3**
630	M 14 x 1,5	18,8	11	16	6	45	2,0	**FI-VS-M14x1.5-OR-B-W3**
630	M 16 x 1,5	21,8	12,5	17,5	8	55	2,7	**FI-VS-M16x1.5-OR-B-W3**
630	M 18 x 1,5	23,8	14	19	8	70	3,8	**FI-VS-M18x1.5-OR-B-W3**
630	M 22 x 1,5	26,8	15	20	10	100	5,5	**FI-VS-M22x1.5-OR-B-W3**
400	M 26 x 1,5	31,8	16	21	12	170	7,7	**FI-VS-M26x1.5-OR-B-W3**
400	M 27 x 2	31,8	18,5	23,5	12	180	9,4	**FI-VS-M27x2-OR-B-W3**
400	M 33 x 2	40,8	18,5	24,5	14	215	15,6	**FI-VS-M33x2-OR-B-W3**
400	M 42 x 2	49,8	19	25	22	330	24,5	**FI-VS-M42x2-OR-B-W3**
400	M 48 x 2	54,8	21,5	27,5	24	420	37,1	**FI-VS-M48x2-OR-B-W3**

Standard seal material is NBR (Buna-N®).

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Male stud acc. to ISO 6149-2/-3
Port acc. to ISO 6149-1

Torque recommendations with a tolerance of +10% and refer to original components from the STAUFF Connect product range made of steel with zinc/nickel coating and apply for Steel mating material.

Ordering Codes

FI-VS-M*12x1.5*-OR*-B*-W3

* Blanking Screw for Ports		**FI-VS**
* Thread Type	Metric Parallel Thread	**M**
* Thread Size	acc. to dimension table	**12x1.5**
Please always indicate thread sizes, e.g. 12x1.5!		
* Seal Type	O-Ring	**-OR**
* Seal Material	NBR (Buna-N®)	**-B**
	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**

Please contact STAUFF for alternative materials and surface finishings.

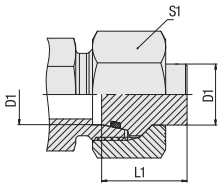
Spare Parts / Accessories

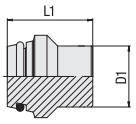


O-Ring
Type **O-RING** Page 239

Blanking Plug with 24° Taper / O-Ring (DKO)
Type FI-VD ▪ Series L / S







Ordering Codes

***FI-VD*-15*L*-V*-W3*-M**

* Blanking Plug with 24° Taper / O-Ring (DKO)		**FI-VD**
* Outside Tube Diameter D1 (in mm)		**-15**
* Series	Light Series	**L**
	Heavy Series	**S**
* Seal Material	FKM (Viton®)	**-V**
* Material Code	Steel, zinc/nickel-plated	**-W3**
	Please contact STAUFF for alternative materials and surface finishings.	
* Assembling	Blanking plug only	**—**
	Blanking plug assembled with union nut	**-M**

Connecting Parts



Union Nut
Type **FI-M** Page 33

Spare Parts / Accessories



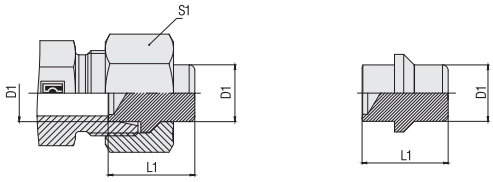
O-Ring
Type **O-RING** Page 239

Series	Tube OD mm D1	PN bar	Dimensions mm L1[1]	S1	Weight kg ca. per 100	Ordering Codes[3] Blanking plug only	Ordering Codes Blanking plug with union nut
L	6	800	16,5	14	0,57	FI-VD-06L/S-V-W3	FI-VD-06L-V-W3-M
	8	800	16,5	17	0,90	FI-VD-08L/S-V-W3	FI-VD-08L-V-W3-M
	10	800	17	19	1,37	FI-VD-10L/S-V-W3	FI-VD-10L-V-W3-M
	12	630	17	22	1,88	FI-VD-12L/S-V-W3	FI-VD-12L-V-W3-M
	15	400	18	27	3,00	FI-VD-15L-V-W3	FI-VD-15L-V-W3-M
	18	400	18,5	32	4,36	FI-VD-18L-V-W3	FI-VD-18L-V-W3-M
	22	250	19,3	36	6,52	FI-VD-22L-V-W3	FI-VD-22L-V-W3-M
	28	250	19,7	41	10,45	FI-VD-28L-V-W3	FI-VD-28L-V-W3-M
	35	250	23,2	50	19,66	FI-VD-35L-V-W3	FI-VD-35L-V-W3-M
	42	250	23,2	60	27,73	FI-VD-42L-V-W3	FI-VD-42L-V-W3-M
S	6	800	16,5	17	0,57	FI-VD-06L/S-V-W3	FI-VD-06S-V-W3-M
	8	800	16,5	19	0,90	FI-VD-08L/S-V-W3	FI-VD-08S-V-W3-M
	10	800	17	22	1,37	FI-VD-10L/S-V-W3	FI-VD-10S-V-W3-M
	12	630	17	24	1,88	FI-VD-12L/S-V-W3	FI-VD-12S-V-W3-M
	14	630	19	27	2,78	FI-VD-14S-V-W3	FI-VD-14S-V-W3-M
	16	630	19	30	3,54	FI-VD-16S-V-W3	FI-VD-16S-V-W3-M
	20	420	23,3	36	6,97	FI-VD-20S-V-W3	FI-VD-20S-V-W3-M
	25	420	24,2	46	10,94	FI-VD-25S-V-W3	FI-VD-25S-V-W3-M
	30	420	25,4	50	16,34	FI-VD-30S-V-W3	FI-VD-30S-V-W3-M
	38	420	26,7	60	27,11	FI-VD-38S-V-W3	FI-VD-38S-V-W3-M

[1] Approx.imate dimension in assembled condition.
[2] Weight excluding union nut.
[3] Standard scope of delivery: Blanking plug only.

Standard seal material is FKM (Viton®).

Blanking Plug with Sealing Edge
Type FI-BUZ ▪ Series L / S





Series	Tube OD mm D1	PN bar	Dimensions mm L1[1]	S1	Weight kg ca. per 100	Ordering Codes[3]
L	6	500	19,5	14	0,55	FI-BUZ-06L/S-W3
	8	500	19,5	17	0,90	FI-BUZ-08L/S-W3
	10	500	21,5	19	1,48	FI-BUZ-10L/S-W3
	12	400	22	22	2,13	FI-BUZ-12L/S-W3
	15	400	22	27	3,20	FI-BUZ-15L-W3
	18	400	24	32	5,00	FI-BUZ-18L-W3
	22	250	26	36	7,90	FI-BUZ-22L-W3
	28	250	25,5	41	11,90	FI-BUZ-28L-W3
	35	250	32	50	23,50	FI-BUZ-35L-W3
	42	250	32,5	60	38,50	FI-BUZ-42L-W3
S	6	800	19,5	17	0,55	FI-BUZ-06L/S-W3
	8	800	19,5	19	0,90	FI-BUZ-08L/S-W3
	10	800	21,5	22	1,48	FI-BUZ-10L/S-W3
	12	630	22	24	2,13	FI-BUZ-12L/S-W3
	14	630	23,5	27	3,12	FI-BUZ-14S-W3
	16	630	25,5	30	4,27	FI-BUZ-16S-W3
	20	400	30,5	36	8,00	FI-BUZ-20S-W3
	25	400	32,5	46	17,90	FI-BUZ-25S-W3
	30	400	35,5	50	20,00	FI-BUZ-30S-W3
	38	400	42	60	36,60	FI-BUZ-38S-W3

[1] Approx.imate dimension in assembled condition.
[2] Weight excluding union nut.
[3] Standard scope of delivery: Blanking plug only.

Ordering Codes

***FI-BUZ*-15*L*-W3*-M**

* Blanking Plug with Sealing Edge		**FI-BUZ**
* Outside Tube Diameter D1 (in mm)		**-15**
* Series	Light Series	**L**
	Heavy Series	**S**
* Material Code	Steel, zinc/nickel-plated	**-W3**
	Please contact STAUFF for alternative materials and surface finishings.	
* Assembling / Kitting	Blanking plug only	**—**
	Blanking plug supplied with union nut	**-M**

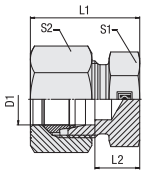
Connecting Parts

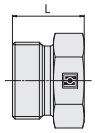


Union Nut
Type **FI-M** Page 33

Blanking Plug for Tube Ends
Type FI-VSK ▪ Series L / S







Ordering Codes

FI-VSK-10*L*-W3*-MS

* Blanking Plug for Tube Ends		**FI-VSK**
* Outside Tube Diameter D1 (in mm)		**-10**
* Series	Light Series	**L**
	Heavy Series	**S**
* Material Code	Steel, zinc/nickel-plated	**-W3**
	Please contact STAUFF for alternative materials and surface finishings.	
* Assembling / Kitting	Blanking plug only	**—**
	Blanking plug supplied with cutting ring and union nut	**-MS**
	Blanking plug supplied with soft-sealing cutting ring and union nut	**-MSV**

Series	Tube OD mm D1	PN bar	Dimensions mm L	L1[1]	L2	S1	S2	Weight kg ca. per 100	Ordering Codes[3]
L	6	500	17	22	7	14	14	1,40	FI-VSK-06L-W3
	8	500	17	23	8	17	17	1,93	FI-VSK-08L-W3
	10	500	20	24	9	17	19	2,55	FI-VSK-10L-W3
	12	400	21	25	10	19	22	3,44	FI-VSK-12L-W3
	15	400	20	26	11	24	27	4,90	FI-VSK-15L-W3
	18	400	21	28	11,5	27	32	6,80	FI-VSK-18L-W3
	22	250	23	30	13,5	32	36	10,70	FI-VSK-22L-W3
	28	250	23	31	14,5	41	41	15,20	FI-VSK-28L-W3
	35	250	29	36	14,5	46	50	25,90	FI-VSK-35L-W3
	42	250	30	39	16	55	60	35,30	FI-VSK-42L-W3
S	6	800	17	26	11	17	17	1,80	FI-VSK-06S-W3
	8	800	17	28	13	17	19	2,16	FI-VSK-08S-W3
	10	800	20	29	12,5	19	22	3,34	FI-VSK-10S-W3
	12	630	21	31	14,5	22	24	4,60	FI-VSK-12S-W3
	14	630	23	34	16	24	27	5,88	FI-VSK-14S-W3
	16	630	24	34	15,5	27	30	7,54	FI-VSK-16S-W3
	20	420	28	39	17,5	32	36	12,50	FI-VSK-20S-W3
	25	420	31	44	20	41	46	21,40	FI-VSK-25S-W3
	30	420	34	47	20,5	46	50	30,40	FI-VSK-30S-W3
	38	420	38	54	23	55	60	40,80	FI-VSK-38S-W3

[1] Approx.imate dimension in assembled condition.
[2] Weight excluding cutting ring and union nut.
[3] Standard scope of delivery: Blanking plug only.

Connecting Parts


Cutting Ring
Type **FI-DS** Page 28


Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29

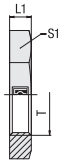

Support Sleeve
Type **FI-VH** Page 31


STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32


Union Nut
Type **FI-M** Page 33


37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Hexagon Lock Nut
Type FI-SKM ▪ Series L / S





for Straight Bulkhead Fittings / Bulkhead Elbows

Series	Dimensions mm Thread T	L1	S1	Weight kg ca. per 100	Ordering Codes
L	M 12 x 1,5	6	17	0,66	FI-SKM-06L-W3
	M 14 x 1,5	6	19	0,76	FI-SKM-08L/06S-W3
	M 16 x 1,5	6	22	1,04	FI-SKM-10L/08S-W3
	M 18 x 1,5	6	24	1,17	FI-SKM-12L/10S-W3
	M 22 x 1,5	7	30	2,25	FI-SKM-15L/14S-W3
	M 26 x 1,5	8	36	3,75	FI-SKM-18L-W3
	M 30 x 2	8	41	4,79	FI-SKM-22L/20S-W3
	M 36 x 2	9	46	5,90	FI-SKM-28L/25S-W3
	M 45 x 2	9	55	7,60	FI-SKM-35L-W3
	M 52 x 2	10	65	12,20	FI-SKM-42L/38S-W3
S	M 14 x 1,5	6	19	0,76	FI-SKM-08L/06S-W3
	M 16 x 1,5	6	22	1,04	FI-SKM-10L/08S-W3
	M 18 x 1,5	6	24	1,17	FI-SKM-12L/10S-W3
	M 20 x 1,5	6	27	1,54	FI-SKM-12S-W3
	M 22 x 1,5	7	30	2,25	FI-SKM-15L/14S-W3
	M 24 x 1,5	7	32	2,40	FI-SKM-16S-W3
	M 30 x 2	8	41	4,79	FI-SKM-22L/20S-W3
	M 36 x 2	9	46	5,90	FI-SKM-28L/25S-W3
	M 42 x 2	9	50	5,70	FI-SKM-30S-W3
	M 52 x 2	10	65	12,20	FI-SKM-42L/38S-W3

Ordering Codes

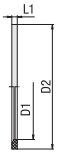
FI-SKM-06*L*-W3

* Hexagon Lock Nut for Bulkhead Fittings		FI-SKM
* Outside Tube Diameter D1 (in mm)		-06
* Series	Light Series	L
	Heavy Series	S
* Material Code	Steel, zinc/nickel-plated	-W3

Please contact STAUFF for alternative materials and surface finishings.

Profile Sealing Ring for Male Studs
Type WDG





Whitworth Parallel Pipe Thread (BSPP)

Male stud acc. to ISO 1179-2 (Type E) / Port according to ISO 1179-1

Dimensions mm				Ordering Codes	
for Thread	D1	D2	L1	NBR (Buna-N®)	FKM (Viton®)
G 1/8	8,4	11,9	1	WDG-8.4x11.9x1-B90	WDG-8.4x11.9x1-V90
G 1/4	11,6	16,5	1,5	WDG-11.6x16.5x1.5-B90	WDG-11.6x16.5x1.5- V90
G 3/8	14,7	18,9	1,5	WDG-14.7x18.9x1.5-B90	WDG-14.7x18.9x1.5-V90
G 1/2	18,5	23,9	1,5	WDG-18.5x23.9x1.5-B90	WDG-18.5x23.9x1.5-V80
G 3/4	23,9	29,2	1,5	WDG-23.9x29.2x1.5-B90	WDG-23.9x29.2x1.5-V80
G 1	29,7	35,7	2	WDG-29.7x35.7x2-B90	WDG-29.7x35.7x2-V80
G 1 1/4	38,8	45,8	2	WDG-38.8x45.8x2-B90	WDG-38.8x45.8x2-V80
G 1 1/2	44,7	50,7	2	WDG-44.7x50.7x2-B90	WDG-44.7x50.7x2-V80

Metric Parallel Thread

Male stud according to ISO 9974-2 (Type E) / Port according to ISO 9974-1

Dimensions mm				Ordering Codes	
for Thread	D1	D2	L1	NBR (Buna-N®)	FKM (Viton®)
M 8 x 1	6,5	9,9	1	WDG-6.5x9.9x1-B90	WDG-6.5x9.9x1-V90
M 10 x 1	8,4	11,9	1	WDG-8.4x11.9x1-B90	WDG-8.4x11.9x1-V90
M 12 x 1,5	9,8	14,5	1,5	WDG-9.8x14.5x1.5-B90	WDG-9.8x14.5x1.5-V90
M 14 x 1,5	11,6	16,5	1,5	WDG-11.6x16.5x1.5-B90	WDG-11.6x16.5x1.5-V90
M 16 x 1,5	13,8	18,9	1,5	WDG-13.8x18.9x1.5-B80	WDG-13.8x18.9x1.5-V80
M 18 x 1,5	15,7	20,9	1,5	WDG-15.7x20.9x1.5-B90	WDG-15.7x20.9x1.5-V80
M 20 x 1,5	17,8	22,9	1,5	WDG-17.8x22.9x1.5-B90	WDG-17.8x22.9x1.5-V90
M 22 x 1,5	19,6	24,3	1,5	WDG-19.6x24.3x1.5-B90	WDG-19.6x24.3x1.5-V90
M 26 x 1,5	23,9	29,2	1,5	WDG-23.9x29.2x1.5-B90	WDG-23.9x29.2x1.5-V80
M 27 x 2	23,9	29,2	1,5	WDG-23.9x29.2x1.5-B90	WDG-23.9x29.2x1.5-V80
M 33 x 2	29,7	35,7	2	WDG-29.7x35.7x2-B90	WDG-29.7x35.7x2-V80
M 42 x 2	38,8	45,8	2	WDG-38.8x45.8x2-B90	WDG-38.8x45.8x2-V80
M 48 x 2	44,7	50,7	2	WDG-44.7x50.7x2-B90	WDG-44.7x50.7x2-V80

O-Ring for Male Studs
Type O-RING



Male stud according to ISO 6149-2/-3 / Port according to ISO 6149-1

Metric Parallel Thread

Dimensions mm for Thread	Ordering Codes NBR (Buna-N®)	FKM (Viton®)
M 8 x 1	O-RING-6.07x1.63-B90	O-RING-6.07x1.63-V90
M 10 x 1	O-RING-8.1x1.6-B90	O-RING-8.1x1.6-V90
M 12 x 1,5	O-RING-9.3x2.2-B90	O-RING-9.3x2.2-V90
M14 x 1,5	O-RING-11.3x2.2-B90	O-RING-11.3x2.2-V90
M16 x 1,5	O-RING-13.3x2.2-B90	O-RING-13.3x2.2-V90
M18 x 1,5	O-RING-15.3x2.2-B90	O-RING-15.3x2.2-V90
M22 x 1,5	O-RING-19.3x2.2-B90	O-RING-19.3x2.2-V90
M26 x 1,5	O-RING-23.3x2.4-B90	O-RING-23.3x2.4-V90
M27 x 2	O-RING-23.6x2.9-B90	O-RING-23.6x2.9-V90
M30 x 2	O-RING-26.62 x2.95-B90	O-RING-26.62 x2.95-V90
M33 x 2	O-RING-29.6x2.9-B90	O-RING-29.6x2.9-V90
M42 x 2	O-RING-38.6x2.9-B90	O-RING-38.6x2.9-V90
M48 x 2	O-RING-44.6x2.9-B90	O-RING-44.6x2.9-V90

Male stud according to ISO 11926-2/-3 / Port according to ISO 11926-1

UN / UNF Thread

Dimensions mm for Thread	Ordering Codes NBR (Buna-N®)	FKM (Viton®)
7/16-20 UNF	O-RING-8.92x1.83-B90	O-RING-8.92x1.83-V90
1/2-20 UNF	O-RING-10.52x1.83-B90	O-RING-10.52x1.83-V90
9/16-18 UNF	O-RING-11.89x1.98-B90	O-RING-11.89x1.98-V90
3/4-16 UNF	O-RING-16.36x2.2-B90	O-RING-16.36x2.2-V90
7/8-14 UNF	O-RING-19.18x2.46-B90	O-RING-19.18x2.46-V 90
1 1/16-12 UN	O-RING-23.47x2.95-B90	O-RING-23.47x2.95-V80
1 3/16-12 UN	O-RING-26.62 x2.95-B90	O-RING-26.62 x 2.95-V90
1 5/16-12 UN	O-RING-29.74x2.95-B90	O-RING-29.74x2.95-V90
1 5/8-12 UN	O-RING-37.47x3-B90	O-RING-37.47x3-V90
1 7/8-12 UN	O-RING-43.69x3-B90	O-RING-43.69x3-V90

Whitworth Parallel Pipe Thread (BSPP)

Dimensions mm for Thread	Ordering Codes NBR (Buna-N®)	FKM (Viton®)
G 1/8	O-RING-7.97x1.88-B90	O-RING-7.97x1.88-V90
G 1/4	O-RING-10,77x2,62-B90	O-RING-10.77x2.62-V90
G 3/8	O-RING-13.94x2.62-B90	O-RING-13.94x2.62-V90
G 1/2	O-RING-17.86x2.62-B90	O-RING-17.86x2.62-V90
G 3/4	O-RING-23.47x2.62-B90	O-RING-23.47x2.62-V90
G 1	O-RING-29.74x3.53-B90	O-RING-29.74x3.53-V90
G 1 1/4	O-RING-37.69x3.53-B90	O-RING-37.69x3.53-V90
G 1 1/2	O-RING-44.04x3.53-B90	O-RING-44.04x3.53-V90

O-Ring for 24°/37° Flared Cone Adaptors
Type O-RING



24° Taper of the Flared Cone Adaptor

Series	Tube OD mm	Ordering Codes	
		NBR (Buna-N®)	FKM (Viton®)
L	6	O-RING-4.5x1.5-B90	O-RING-4.5x1.5-V90
	8	O-RING-6.5x1.5-B90	O-RING-6.5x1.5-V90
	10	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
	12	O-RING-10x1.5-B90	O-RING-10x1.5-V90
	15	O-RING-12.5x2-B90	O-RING-12.5x2-V90
	18	O-RING-16x2-B90	O-RING-16x2-V90
	22	O-RING-20x2-B90	O-RING-20x2-V90
	28	O-RING-26x2-B90	O-RING-26x2-V90
	35	O-RING-32x2.5-B90	O-RING-32x2.5-V90
	42	O-RING-38x2.5-B90	O-RING-38x2.5-V90
S	6	O-RING-4.5x1.5-B90	O-RING-4.5x1.5-V90
	8	O-RING-6.5x1.5-B90	O-RING-6.5x1.5-V90
	10	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
	12	O-RING-10x1.5-B90	O-RING-10x1.5-V90
	14	O-RING-12x2-B90	O-RING-12x2-V90
	16	O-RING-14x2-B90	O-RING-14x2-V90
	20	O-RING-17.3x2.4-B90	O-RING-17.3x2.4-V90
	25	O-RING-22.3x2.4-B90	O-RING-22.3x2.4-V90
	30	O-RING-27.3x2.4-B90	O-RING-27.3x2.4-V90
	38	O-RING-35x2.5-B90	O-RING-35x2.5-V90

O-Ring for 24°/37° Flared Cone Adaptors
Type O-RING



37° Taper of the Flared Cone Adaptor

Series	Tube OD mm	Ordering Codes	
		NBR (Buna-N®)	FKM (Viton®)
L	6	O-RING-4.4x0.8-B90	O-RING-4.4x0.8-V90
	8	O-RING-6x0.8-B90	O-RING-6x0.8-V90
	10	O-RING-7.5x0.8-B90	O-RING-7.5x0.8-V90
	12	O-RING-9.5x0.8-B90	O-RING-9.5x0.8-V90
	15	O-RING-12.5x0.8-B90	O-RING-12.5x0.8-V90
	18	O-RING-15x1-B90	O-RING-15x1-V90
	22	O-RING-18x1-B90	O-RING-18x1-V90
	28	O-RING-23x1-B90	O-RING-23x1-V90
	35	O-RING-30x1-B90	O-RING-30x1-V90
	42	O-RING-37x1-B90	O-RING-37x1-V90
S	6	O-RING-4.4x0.8-B90	O-RING-4.4x0.8-V90
	8	O-RING-6x0.8-B90	O-RING-6x0.8-V90
	10	O-RING-7.5x0.8-B90	O-RING-7.5x0.8-V90
	12	O-RING-9.5x0.8-B90	O-RING-9.5x0.8-V90
	14	O-RING-11x1-B90	O-RING-11x1-V90
	16	O-RING-12.5x1-B90	O-RING-12.5x1-V90
	20	O-RING-16x1-B90	O-RING-16x1-V90
	25	O-RING-20x1-B90	O-RING-20x1-V90
	30	O-RING-25x1-B90	O-RING-25x1-V90
	38	O-RING-31.47x1.78-B90	O-RING-31.47x1.78-V90

O-Ring for for DKO Taper Fittings / 24° Weld Cones
Type O-RING



Series	Tube OD mm	Ordering Codes	
		NBR (Buna-N®)	FKM (Viton®)
L	6	O-RING-4.5x1.5-B90	O-RING-4.5x1.5-V90
	8	O-RING-6.5x1.5-B90	O-RING-6.5x1.5-V90
	10	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
	12	O-RING-10x1.5-B90	O-RING-10x1.5-V90
	15	O-RING-12.5x2-B90	O-RING-12.5x2-V90
	18	O-RING-16x2-B90	O-RING-16x2-V90
	22	O-RING-20x2-B90	O-RING-20x2-V90
	28	O-RING-26x2-B90	O-RING-26x2-V90
	35	O-RING-32x2.5-B90	O-RING-32x2.5-V90
	42	O-RING-38x2.5-B90	O-RING-38x2.5-V90
S	6	O-RING-4.5x1.5-B90	O-RING-4.5x1.5-V90
	8	O-RING-6.5x1.5-B90	O-RING-6.5x1.5-V90
	10	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
	12	O-RING-10x1.5-B90	O-RING-10x1.5-V90
	14	O-RING-12x2-B90	O-RING-12x2-V90
	16	O-RING-14x2-B90	O-RING-14x2-V90
	20	O-RING-17.3x2.4-B90	O-RING-17.3x2.4-V90
	25	O-RING-22.3x2.4-B90	O-RING-22.3x2.4-V90
	30	O-RING-27.3x2.4-B90	O-RING-27.3x2.4-V90
	38	O-RING-35x2.5-B90	O-RING-35x2.5-V90

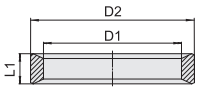
O-Ring for Banjo Bolts of Banjo Fittings
Type O-RING



Dimensions mm for Thread	for Tube Size / Series	Ordering Codes NBR (Buna-N®)	FKM (Viton®)
G 1/8	4LL / 6LL / 8LL / 6L	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
G 1/4	8L / 10L / 12L / 6S / 8S	O-RING-11x2-B90	O-RING-11x2-V90
G 3/8	12L / 10S / 12S	O-RING-14.5x2-B90	O-RING-14.5x2-V90
G 1/2	15L / 18L / 14S / 16S	O-RING-19.5x2-B90	O-RING-19.5x2-V90
G 3/4	22L / 20S	O-RING-26x1.5-B90	O-RING-26x1.5-V90
G 1	28L / 25S	O-RING-31x2-B90	O-RING-31x2-V90
G 1 1/4	35L / 30S	O-RING-40x2-B90	O-RING-40x2-V90
G 1 1/2	42L / 38S	O-RING-46x2-B90	O-RING-46x2-V90
M 8 x 1	4LL	O-RING-6.5x1.5-B90	O-RING-6.5x1.5-V90
M 10 x 1	6LL / 8LL / 6L	O-RING-8.5x1.5-B90	O-RING-8.5x1.5-V90
M 12 x 1,5	8L / 6S	O-RING-11x2-B90	O-RING-11x2-V90
M 14 x 1,5	10L / 8S / 12L	O-RING-11x2-B90	O-RING-11x2-V90
M 16 x 1,5	12L / 10S	O-RING-14.5x2-B90	O-RING-14.5x2-V90
M 18 x 1,5	12L / 10S	O-RING-14.5x2-B90	O-RING-14.5x2-V90
M 18 x 1,5	15L / 12S	O-RING-16.5x2-B90	O-RING-16.5x2-V90
M 20 x 1,5	14S	O-RING-19.5x2-B90	O-RING-19.5x2-V90
M 22 x 1,5	18L / 16S	O-RING-19.5x2-B90	O-RING-19.5x2-V90
M 26 x 1,5	22L	O-RING-26x1.5-B90	O-RING-26x1.5-V90
M 27 x 2	20S	O-RING-26x1.5-B90	O-RING-26x1.5-V90
M 33 x 2	28L / 25S	O-RING-31x2-B90	O-RING-31x2-V90
M 42 x 2	35L / 30S	O-RING-40x2-B90	O-RING-40x2-V90
M 48 x 2	42L / 38S	O-RING-46x2-B90	O-RING-46x2-V90

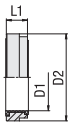
External Metallic Sealing Ring for Male Studs of Banjo Fittings
Type FI-DKR





Dimensions mm for Thread		D1	D2	L1	Ordering Codes
M 8 x 1		8,05	10,8	4	FI-DKR-M8x1-W3-WOB
M 10 x 1	G 1/8	10,1	13	4	FI-DKR-M10x1-R1/8-W3-WOB
M 12 x 1,5		12,2	17,8	4	FI-DKR-M12x1.5-W3-WOB
	G 1/4	13,2	17,7	4	FI-DKR-R1/4-W3-WOB
M 14 x 1,5		14,1	17,7	4,4	FI-DKR-M14x1.5-W3-WOB
M 16 x 1,5		16,1	21,5	5	FI-DKR-M16x1.5-W3-WOB
	G 3/8	16,7	22	5	FI-DKR-R3/8-W3-WOB
M 18 x 1,5		18,1	23	5	FI-DKR-M18x1.5-W3-WOB
	G 1/2	21	26	7	FI-DKR-18L/16S-R1/2-W3-WOB
M 20 x 1,5	G 1/2	21	26	5	FI-DKR-15L/14S-M20x1.5-R1/2-W3-WOB
M 22 x 1,5		22,1	27	7	FI-DKR-M22x1.5-W3-WOB
M 26 x 1,5		26,1	31,5	5,5	FI-DKR-M26x1.5-W3-WOB
M 27 x 2	G 3/4	27,1	32	5,5	FI-DKR-M27x2-R3/4-W3-WOB
M 33 x 2		33,3	39	5,5	FI-DKR-M33x2-R1-W3-WOB
M 42 x 2	G 1 1/4	42,1	49	5,5	FI-DKR-M42x2-R1-1/4-W3-WOB
M 48 x 2	G 1 1/2	48,1	55	5,5	FI-DKR-M48x2-R1-1/2-W3-WOB

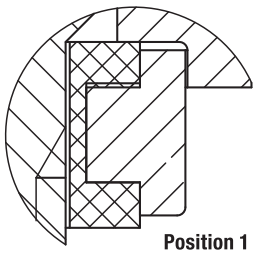
Retaining Ring with Captive Seal for Male Studs of Banjo Fittings Type FI-DIR



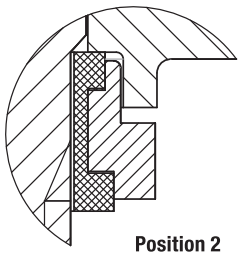


Dimensions mm for Thread		Positioning	D1	D2	L1	Ordering Codes
M 10 x 1	G 1/8	2	10,2	14,9	4,0	FI-DIR-M10x1-R1/8-B-W3
M 12 x 1,5		1	12,2	17,8	4,0	FI-DIR-M12x1.5-B-W3
	G 1/4	2	13,3	18,8	4,0	FI-DIR-R1/4-B-W3
M 14 x 1,5		2	14,1	19,9	4,0	FI-DIR-M14x1.5-B-W3
M 16 x 1,5	G 3/8	1	16,8	22,8	4,4	FI-DIR-M16X1.5-R3/8-B-W3/2
M 18 x 1,5		1	18,1	24,9	5,0	FI-DIR-M18X1.5-B-W3/2
M 18 x 1,5 (nur 12L)		1	18,1	24,5	4,6	FI-DIR-12LM18x1.5-B-W3
	G 1/2 (nur 15L / 14S)	1	21	27,9	5,0	FI-DIR-15L/14S-R1/2-B-W3/2
	G 1/2 (nur 18L / 16S)	1	21	27,9	7,0	FI-DIR-18L/16S-R1/2-B-W3/3
M 20 x 1,5		1	20,2	27,5	5,0	FI-DIR-M20X1.5-B-W3
M 22 x 1,5		1	22,1	27,9	7,0	FI-DIR-M22x1.5-B-W3
M 26 x 1,5		1	26,1	32,5	5,5	FI-DIR-M26x1.5-B-W3
M 27 x 2	G 3/4	1	27	32,9	5,5	FI-DIR-M27X2-R3/4-B-W3/2
M 33 x 2	G 1	1	33,4	40,9	5,5	FI-DIR-M33X2-R1-B-W3/2
M 42 x 2	G 1 1/4	1	42,1	50,9	5,5	FI-DIR-M42x2-R1-1/4-B-W3
M 48 x 2	G 1 1/2	1	47,8	55,9	5,5	FI-DIR-M48x2-R1-1/2-B-W3

Positioning and Orientation (also see page 326)



Position 1



Position 2

Internal Metallic Sealing Ring for Female Studs of Gauge Fittings
Type FI-DKI





Dimensions mm for Thread	D1	D2	L1	Ordering Codes
G 1/4	6	11,3	4,5	FI-DKI-R1/4-W3-WOB
G 1/2	12	18,5	5	FI-DKI-R1/2-W3-WOB

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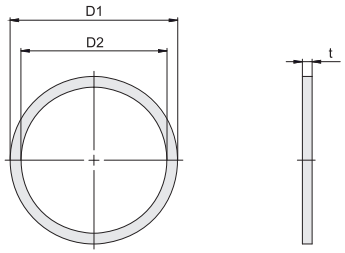
Retaining Ring (Small) for Male Studs of Fittings with Lock Nut Type FI-KR





Dimensions mm for Thread	D1	D2	t	Ordering Codes
G 1/8	14,8	11,8	1,4	FI-KR-R1/8-W3-WOB
G 1/4	19,8	16,15	1,9	FI-KR-R1/4-W3-WOB
G 3/8	22,8	19,4	1,9	FI-KR-R3/8-W3-WOB
G 1/2	27,8	23,2	1,9	FI-KR-R1/2-W3-WOB
G 3/4	32,8	28,6	1,9	FI-KR-R3/4-W3-WOB
G 1	40,8	36,6	2,6	FI-KR-R1-W3-WOB
G 1 1/4	50,8	44,9	2,6	FI-KR-R1-1/4-W3-WOB
G 1 1/2	55,8	50,9	2,6	FI-KR-R1-1/2-W3-WOB
M 10 x 1	14,8	11,4	1,1	FI-KR-M10x1-W3-WOB
M 12 x 1,5	17,8	13,9	1,7	FI-KR-M12x1.5-W3-WOB
M 14 x 1,5	19,8	15,9	1,7	FI-KR-M14x1.5-W3-WOB
M 16 x 1,5	22,8	17,9	1,7	FI-KR-M16x1.5-W3-WOB
M 18 x 1,5	24,8	19,9	1,7	FI-KR-M18x1.5-W3-WOB
M 22 x 1,5	27,8	23,9	1,7	FI-KR-M22x1.5-W3-WOB
M 27 x 2	32,8	29,6	2,2	FI-KR-M27x2-W3-WOB
M 33 x 2	40,8	35,6	2,2	FI-KR-M33x2-W3-WOB
M 42 x 2	50,8	44,6	2,2	FI-KR-M42x2-W3-WOB
M 48 x 2	55,8	50,6	2,2	FI-KR-M48x2-W3-WOB
7/16–20 UNF	17	13	1,3	FI-KR-7/16U-W3-WOB
9/16–18 UNF	21	16,1	1,4	FI-KR-9/16U-W3-WOB
3/4 –16 UNF	26,5	21	1,6	FI-KR-3/4U-W3-WOB
7/8–14 UNF	30	24,3	1,8	FI-KR-7/8U-W3-WOB
1 1/16–12 UN	37,5	29,6	2,2	FI-KR-1-1/16U-W3-WOB
1 5/16–12 UN	45	35,8	2,2	FI-KR-1-5/16U-W3-WOB
1 5/8–12 UN	56,5	43,7	2,2	FI-KR-1-5/8U-W3-WOB
1 7/8–12 UN	64	49,9	2,2	FI-KR-1-7/8U-W3-WOB