



Damit Verbindungen gelingen!
Make better connections!





People

Products

Performance

MISSION STATEMENT

To provide quality and cost effective products,
 To maintain our reputation for doing so.

THIRD PARTY CERTIFICATION	8
METRIC COMPRESSION	14
FERRULES	65
HOSE FITTINGS	71
ADAPTORS	99
SEALS.....	59
TUBE CLAMPS.....	181
BALL VALVES	155
QUICK RELEASE COUPLERS.....	156
NON-RETURN VALVES.....	176
TEST POINTS	157
SPLIT FLANGES.....	196
TWIN FERRULE.....	158
TUBE.....	179
GREASE POINTS	173
GAUGE ADAPTORS	184

GENERAL

Technical advice concerning the application technology which may be provided by Volz whether orally or writing are merely provided for illustrative purposes and does not relieve a purchaser of its duty to independently confirm the suitability of any Product for the intended use by its own methodology and analysis.

PRODUCT WARRANTY

VOLZ warrants Product, made by VOLZ, against defects in design, material and workmanship for a period of 12 months from the date placed in service or 18 months from the date of shipment, whichever occurs first (the "Warranty"). Should any failure to conform with the Warranty develop during the specified period under normal and proper use and provided the Product has been properly stored, installed and maintained, VOLZ shall, if given prompt notice of the alleged failure to conform, which notice must at least be given within 10 days of purchaser becoming aware of the alleged failure and such failure is confirmed by VOLZ, correct such non-conformity at the option of VOLZ by replacement, or by refund of the purchase price of the non-conforming Product. Return of the defective Product to VOLZ shall be at purchaser's risk and expense. Replaced Product shall become the property of VOLZ.

Replacements pursuant to the Warranty shall not renew or extend the applicable original Warranty period; provided, however, that any such replacement Product shall be warranted for the time remaining under the original Warranty period or for 30 days, whichever is longer.

The Warranty contained herein shall not apply to defects in materials provided by purchaser or per design requirements stipulated by purchaser.

The Warranty contained herein shall terminate if the Product failure giving rise to a claim under the Warranty results from: (a) unauthorized modification, repair or alteration; (b) improper operation, application, maintenance or installation; (c) damage during shipment; (d) operation, handling or other dealings with Product in a negligent manner; or (e) abnormal conditions or temperature, moisture, dirt or corrosive matter.

THE WARRANTIES, RIGHTS AND REMEDIES SET FORTH ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REPRESENTATIONS, CONDITIONS, RIGHTS AND REMEDIES WITH RESPECT TO ANY PRODUCT, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AND WHETHER WRITTEN OR ORAL; ALL OTHER WARRANTIES, REPRESENTATIONS, CONDITIONS, RIGHTS AND REMEDIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY, DURABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY DISCLAIMED, EXCLUDED AND WAIVED BY PURCHASER TO THE FULLEST EXTENT PERMITTED BY LAW.

Correction of non-conformities in the manner and for the period of time provided above shall be purchaser's exclusive remedy and shall constitute fulfilment of all liabilities of VOLZ whether in warranty, contract, negligence, tort or otherwise with respect to the quality of Product. VOLZ shall not be responsible for providing working access to the defect, including disassembly and reassembly of Product or for providing transportation to and from repair or factory facility, all of which shall be purchaser's expense.

This General Warranty must be read in conjunction with the VOLZ terms and conditions of sale, a copy of which is available on request.

As in all printed material, Errors and Omissions are possible and reference to VOLZ GmbH must be made for the most current data and information.

Schützen Sie Ihr Produkt.

Wenn Sie Edelstahl 316TI montieren, dann empfehlen wir dringend die konsequente Anwendung von Gewindefettpaste oder Anti-Size-Montagepaste.

Volz Fettpaste / Artikel-Nummer: 206558

Volz Anti-Size-Montagepaste / Artikel-Nummer: 213185

Die Gewinde müssen unbedingt sauber und trocken sein, bevor diese geschmiert werden. Nur so ist maximaler Schutz gewährleistet.

Produkte welche nicht direkt montagefähig sind, sollten auf folgende Fehlermöglichkeiten geprüft werden Grat im Gewinde.

Wenden Sie bei der Montage grundsätzlich keine Gewalt an.

Überdrehen Sie nicht. Vorschriftsmässige Montage wird dringend empfohlen.

Achten Sie bei Montagebeginn darauf, dass das Gewinde nicht beschädigt wird.

*Sollten Sie an einer Montageschulung interessiert sein, unsere Anwendungstechniker freuen sich auf Ihre Nachfrage
Für nähere Information können Sie uns jederzeit zu kontaktieren*

Protect your investment.

When assembling 316 Stainless Steel fittings it is strongly recommend that ALL threads are coated with an appropriate anti seize assembly paste or thread lubricant.

Volz Thread Lubricant - Part No. 206558

Volz Anti-Seize Assembly Paste - Part No. 213185

Threads should be clean and dry before the application of lubricant or anti seize paste.

Parts that do not fit together smoothly should be inspected for Burrs.

DO NOT use force.

DO NOT cross thread the fittings at the start of assembly.

DO NOT over tighten. Correct assembly torque is recommended.

*If you would like a short assembly training,
our application engineers would be pleased to accommodate you.
Please contact us for further information.*

DEUTSCH

Das Standardprogramm der VOLZ-Rohrverschraubungen entspricht der DIN 2353, ISO 8434 (Übersicht), ISO 1179-2&3.

Schneidringverschraubungen: Werden im Normalfall mit dem Zweikantenschneidring (PDR) geliefert.

Bördelverschraubungen:	SAE J 514 / ISO 8434
Schweiß- und Dichtkegelverschraubungen:	DIN 3865 / ISO 8434-4
Überwurfmutter für Schweißkegelverschraubungen:	DIN 3870
Rohranschlußseiten:	DIN 3861 und ISO 8434
Metrische Gewinde und Rohrgewinde:	DIN 3852, Teil 1 und 2
NPT-Gewinde:	ANSI/ASME B 1.20.1-1983
UN/UNF-Gewinde:	SAE J 514
Werkstoff der Bauteile gemäß DIN 3859:	X6CrNiMoTi gem. DIN 17440 Werkstoff-Nr. 1.4571

Dichtungsringe:
andere
Anfrage

Standardmäßig aus Viton,
Ausführungen auf

ENGLISH

The standard VOLZ screwed pipe connection program is in compliance with DIN 2353, ISO 8434, ISO 1179-2&3.

Cutting ring screw connections: Normally delivered with the double-edge cutting ring (P-DR).

Edged screw connections:	SAE J 514 / ISO 8434
Welding cone and conical nipple screw connections:	DIN 3865 / ISO 8434-4
Union nut for welding cone screw connections:	DIN 3870
Pipe connection threads:	DIN 3861 and ISO 8434-2 and BS5200
Metric and pipe screw threads:	DIN 3852, Sections 1 and 2
NPT threads:	ANSI/ASME B 1.20.1-1983
UN/UNF threads:	SAE J 514
Material of Adaptors, Hose Fittings and Din 2353 acc. to:	X6CrNiMoTi 17-12-2 Werkstoff 1.4571
Material of Ball Valves, Clamps and QRC's of:	X2CrNiMo17132 316L Werkstoff 1.4404
Sealing rings:	Viton is standard others on request.

*NV Denotes Non Volz Manufactured

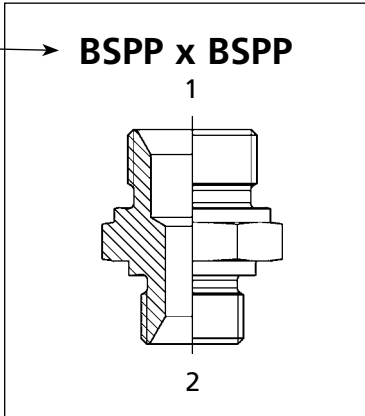
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DEUTSCH

Größenangaben in Zoll, Ra
(Rohrdurchmesser)
Metrische Bezeichnung in mm

VOLZ Artikelnummer

Gewindeart → **BSPP x BSPP**



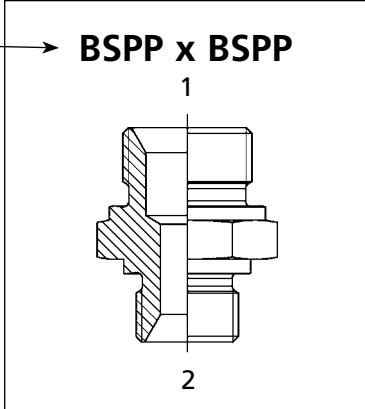
1	2	Article
1/8	- 1/8	118785
1/4	- 1/4	113942
3/8	- 3/8	113945
1/2	- 1/2	113941
5/8	- 5/8	119935
3/4	- 3/4	113944
1	- 1	105230
1.1/4	- 1.1/4	105313
1.1/2	- 1.1/2	119308
2	- 2	121741

ENGLISH

Imperial notation in fractions
Metric notation in mm

VOLZ ORDER CODE

Thread Configuration → **BSPP x BSPP**



1	2	Article
1/8	- 1/8	118785
1/4	- 1/4	113942
3/8	- 3/8	113945
1/2	- 1/2	113941
5/8	- 5/8	119935
3/4	- 3/4	113944
1	- 1	105230
1.1/4	- 1.1/4	105313
1.1/2	- 1.1/2	119308
2	- 2	121741

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TUBE / HOSE	Metric - Tube	Tube Size OD	04	05	06	08	10	12	A	A	14	15	16	18	20	22	25	28	30	35	38	42	50		
	Imperial - Tube	Tube Size OD		3/16	1/4	5/16	3/8	1/2	B	B				5/8		3/4	7/8	1		1 1/4		1 1/2		2	
	USA	"Dash" Size	-2	-3	-4	-5	-6	-8	C	C				-10		-12	-14	-16		-20		-24		-32	
	Imperial - Hose	Hose Size (1/16") ID	02	03	04	05	06	08	D	D				10		12		16		20		24		32	
	Metric - Hose	Hose Size "DIN" ID	DN04	DN05	DN06	DN08	DN10	DN12	E	E				DN16		DN20		DN25		DN32		DN40		DN50	
THREAD	Metric	LL	8-1		10-1	12-1			F	F															
		Thread - Pitch			12-1.5	14-1.5	16-1.5	18-1.5	G	G		22-1.5		26-1.5		30-2		36-2		45-2		52-2			
		LS			14-1.5	16-1.5	18-1.5	20-1.5	H	H	22-1.5		24-1.5		30-2		36-2		42-2		52-2				
	BSP/NPT	Fractions (Nom. Pipe)	1/8		1/4		3/8	1/2	I	I			5/8		3/4		1		1 1/4		1 1/2		2		
	JIC	Thread Size OD	5/16	3/8	7/16	1/2	9/16	3/4	J	J			7/8		1 1/16	1 3/16	1 5/16		1 5/8		1 7/8		2 1/2		
		Common Size Code	05	06	07	08	09	12	K	K			14		17	19	21		26		30		40		
	ORFS	Thread Size OD			9/16		1 1/16	1 3/16	L	L			1		1 3/16	1 5/16	1 7/16		1 11/16		2		2 1/2		
		Common Size Code			09		11	13	M	M			16		19	21	23		27		32		40		
STATIC RATING BAR												STATIC RATING BAR													
69	DKOS	Metric S Series - DIN2353			800	800	800	630	N	N	630		630		420		420		420		420				
67	DKOL	Metric L Series - DIN2353			500	500	500	400	O	O		400		400		250		250		250		250			
66	DLL	Metric LL Series - DIN2353	100	100	100	100	100	100	P	P															
10	AGR	BSPP Male	400		400		400	400	Q	Q				400		250		200		200		200		100	
13	WEE-BSPP	BSPP Male (positional)	250		250		250	200	R	R				200		200		160		160					
17	DKR	BSPP Female Swivel Nut			400		400	400	S	S				200		250		200		200		200		100	
20	BSPP-f	BSPP Female Fixed	630		630		630	400	T	T				400		350		220		220		220		150	
22	AGRk	BSPT Male	400		400		400	400	U	U				400		350		200		200		200		100	
24	BSPT-f	BSPT Female Fixed	630		630		550	400	V	V				400		350		220		220		220		150	
30	NPSM-f	NPSM Female Swivel Nut	430		430		430	350	W	W				350		350		250		250		250		150	
34	AGN	NPT Male	600		600		550	550	X	X				400		350		350		125		100			
36	NPT-f	NPT Female Fixed	550		550		550	500	Y	Y				400		350		220		220		220		150	
38	SFL	Code 61 Flange			207		207	207	Z	Z				207		207		207		207		207		207	
39	SFS	Code 62 Flange					415	415	A	A				415		415		415		415		415		415	
50	AGJ	JIC Male		600	550	550	550	550	B	B			550	420	350	300		250		220		150			
55	AGJ-o	JIC Male Type 2 O'ring Seal		600	600	600	600	490	C	C			490	490	490	430		430		430		105			
53	DKJ	JIC Female		550	550	500	420	420	D	D			400	350	250	250		270		180		100			
56	UNF	UNO Male	550	500	550	500	550	550	E	E			500	350	250	250		250		250		100			
57	WEE-UNF	UNO Male (positional)	350			350	300	300	F	F			250	160	160	160		160		140		100			
88	ORF-m	ORFS Male		420	420		420	420	G	G			420	420	420	420		276		276		210			
89	ORF-f	ORFS Female		420	420		420	420	H	H			420	420	420	420		276		276		210			

E & OE - We recommend consulting Volz GmbH website for individual article pressure ratings and technical information

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Made in Germany

Made in Germany

3rd Party Certification

Bureau Veritas
Bureau Veritas



ABS
American Bureau of
Shipping



DNV - GL
Det Norske Veritas/
Germanischer Lloyd



DVGW
German Association of Gas &
Water



CCS
Chinese Classifications Society



For up to date certification visit: <https://www.volz.de/de/downloads/zulassungen-und-zertifikate/>

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3rd Party Certification

TUV
Tuv Sud Industry Service



Industrie Service

Lloyd's Register



RMRS
Russian Maritime Register of
Shipping

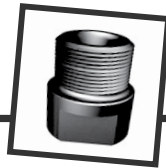


RINA
Registro Italiano Navale



For up to date certification visit: <https://www.volz.de/de/downloads/zulassungen-und-zertifikate/>

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Assembly instructions for stainless steel cutting ring

Pre-assembly with VOMO (hardened tool)

1. Saw the tube off square.
An angular deviation of 0,5° relative to the tube axis is permissible.
Please note!!! Do not use pipe cutters. Use reinforcing sleeve with thin wall tubes.

2. Lightly deburr the tube ends and clean thoroughly.
The tube end within the assembly length must be free from swarf, dirt and paint.
• Lightly grease the thread of the system nut and the thread and cone of the fitting with e.g. Volz-Fettpaste 325.
• We strongly recommend using our new coated system nut "Low Friction"

3. Assembly of cutting ring
Place nut and cutting ring on tube as shown.
Please note!!! Ensure that the cutting ring edge is facing the tube end.

4. Pre-assembly
Push pipe completely into the connector. Tighten nut until the ring makes contact with the tube surface – this point can be felt by an increase in torque.

5. Pre-tighten
After the ring has contacted the tube, turn the nut another 3/4 turn.

6. Control
Check penetration of cutting edge. A visible ring of material should fill the space in front of the cutting ring end face. Cutting ring may turn on tube but should not be capable of moving in an axial direction.

7. Final assembly
Screw the nut on until a definite increase in torque is felt. Hold fitting body firmly and turn the nut another 1/2 turn.
Please note!!! Deviating from the number of turns of the nut reduces the nominal pressure and the service life of the connection.

8. Repeated assembly
Each time the fitting has been loosened, re-assembly must be performed with the same torque as initial assembly. Hold the body rigid. Threads must be lubricated. Recommended to use spanner extension.

9. Minimum length of straight tube end for tube bends
For tube bends, the length of the straight tube end up to the start of the bend radius must be at least twice the nut length. The straight segment of the tube up to 2 x H must not be oval or tapered.



Make better connections!

Assembly instructions for stainless steel cutting ring

Direct assembly into fitting body
We strongly recommend pre-assembly with VOMO or machine driven!!!

1. Saw the tube off square.
An angular deviation of 0,5° relative to the tube axis is permissible.
Please note!!! Do not use pipe cutters. Use reinforcing sleeve with thin wall tubes.

2. Lightly deburr the tube ends and clean thoroughly.
The tube end within the assembly length must be free from swarf, dirt and paint.
• Lightly grease the thread of the system nut and the thread and cone of the fitting with e.g. Volz-Fettpaste 325.
• We strongly recommend using our new coated system nut "Low Friction"

3. Assembly of cutting ring
Place nut and cutting ring on tube as shown.
Please note!!! Ensure that the cutting ring edge is facing the tube end.

4. Find point of resistance
Push pipe completely into the connector. Tighten nut until the ring makes contact with the tube surface – this point can be felt by an increase in torque.

5. Final assembly
After the ring has contacted the tube, mark position of the nut. Tighten the nut by 1-1 1/4 turn. Ensure to use spanner extension as required.
Please note!!! Fitting body to be used one time only. If pre-assembly is required please use VOMO.

6. Control
Check penetration of cutting edge. A visible ring of material should fill the space in front of the cutting ring end face. Cutting ring may turn on tube but should not be capable of moving in an axial direction.

7. Repeated assembly
Each time the fitting has been loosened, re-assembly must be performed with the same torque as initial assembly. Hold the body rigid. Threads must be lubricated. Recommended to use spanner extension.

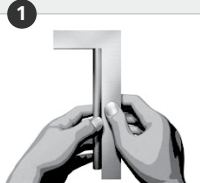
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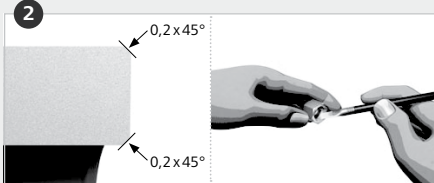
Make better connections!

Assembly instructions for stainless steel cutting ring

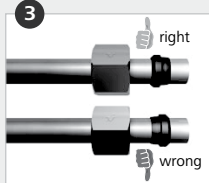
Pre-assembly by suitable machine and proper tooling



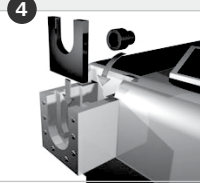
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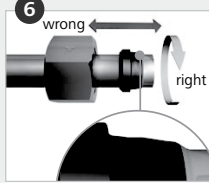
3. Assembly of cutting ring
Place nut and cutting ring on tube as shown.
Please note!!! Ensure that the cutting ring edge is facing the tube end.




4. Insert proper tools.
Pressure setting according tube dimension.
Pay attention to clean work environment. Check for wearout, clean and lubricate regularly
Please note!!! Set pre-assembling pressure as per the machine manual




5. Insert tube for pre-assembly
Place tube with nut and PDR into the tools. Press tube into the tool so that it bottoms out. Hold position, start machine assembling process as per machine manual. After performing pre-assembly, remove tube for visual check.



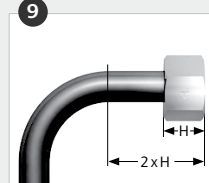
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Nuts Profile Rings	UM	GM	PDR	
	p. 18	p. 61	p. 18	
Seals	ODR	WDR	DKRA	DKRI
	p. 63	p. 59	p. 61	p. 61
Sealing Rings	KD-PTFE	Bonded Seal	VMS	
	p. 60	p. 60	p. 59	
Pre- assembly die				
Flare Tube Connectors	BO-Set			
	p. 57	p. 58	p. 58	p. 58
Caps and Plugs				
	p. 52	p. 52	p. 52	p. 53

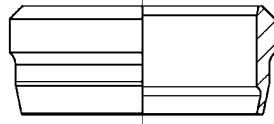
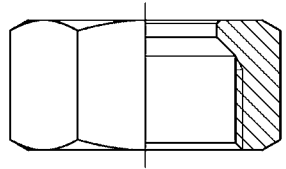
GV GRV GSV WSV				
	p. 20	p. 20-21	p. 24	p. 24
WV EWVD WEV				
	p. 21	p. 48	p. 48	p. 46-47
TV TRV TEV LEV				
	p. 22	p. 22-23	p. 50-51	p. 50-51
ETVD ELVD ESV KV				
	p. 49	p. 49	p. 25	p. 23

GEV EGVD				
	p. 26-35	p. 26-35	p. 26-35	p. 36-39
GEV 60°				
	p. 29	p. 31		
REDV EDKRV EDKV GEDV				
	p. 40-41	p. 41	p. 41	p. 36
GAIV EGVD WEE VEE				
	p. 42-43	p. 43	p. 44	p. 45
SKA SKR GASV WASV				
	p. 54	p. 55	p. 57	p. 57

Metric x JIC				
BSPB x Metric				
	p. 56	p. 54	p. 56	p. 54
ASKV ESV				
	p. 25	p. 25		
Inserts Sleeves	VS-H 	ES-H 		
	p. 62	p. 63		

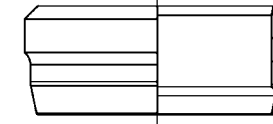
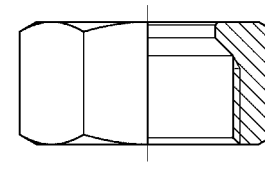
UM-S

PDR-S



UM-L

PDR-L



Size	Article
UM06S	105111
UM08S	105120
UM10S	105126
UM12S	105132
UM14S	105139
UM16S	105144
UM20S	105148
UM25S	105152
UM30S	105158
UM38S	105163

Size	Article
PDR06S	103426
PDR08S	103428
PDR10S	103431
PDR12S	103432
PDR14S	103435
PDR16S	103438
PDR20S	103440
PDR25S	103442
PDR30S	103445
PDR38S	103448

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Size	Article
UM04LL	105107
UM06LL	105108
UM08LL	105114
UM10LL	105122
UM12LL	105127
UM06L	105109
UM08L	105115
UM10L	105123
UM12L	105129
UM15L	105141
UM18L	105145
UM22L	105149
UM28L	105154
UM35L	105160
UM42L	105165

Size	Article
SDR04LL	104318
SDR06LL	104322
SDR08LL	104325
SDR10LL	104328
SDR12LL	124892
PDR06L	103426
PDR08L	103428
PDR10L	103431
PDR12L	103432
PDR15L	103437
PDR18L	103439
PDR22L	103441
PDR28L	103443
PDR35L	103447
PDR42L	103449

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GV...L

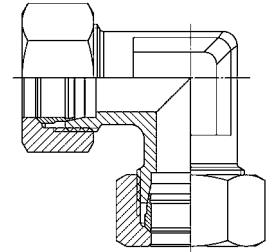
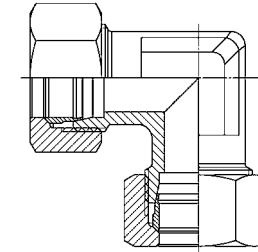
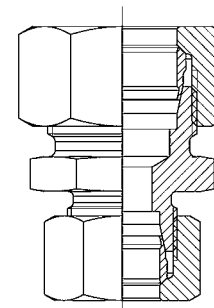
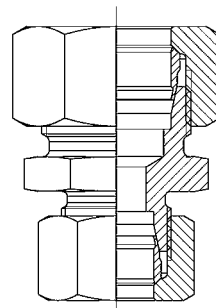
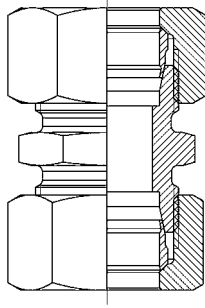
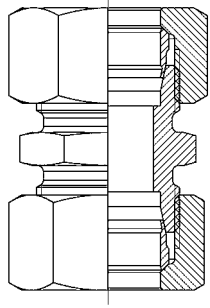
GV...S

GRV...L

GRV...S

WV...L

WV...S



Size	Article
GV04LL	102947
GV06LL	102949
GV08LL	102953
GV10LL	102956
GV12LL	200428
GV06L	102948
GV08L	102952
GV10L	102955
GV12L	102958
GV15L	102964
GV18L	102966
GV22L	102969
GV28L	102972
GV35L	102974
GV42L	102976

Size	Article
GV06S	102950
GV08S	102954
GV10S	102957
GV12S	102959
GV14S	102963
GV16S	102965
GV20S	102968
GV25S	102971
GV30S	102973
GV38S	102975

Size	Article
GRV0604LL	123605
GRV0804LL	123606
GRV0806LL	123607
GRV0806L	102822
GRV1006L	102824
GRV1008L	102827
GRV1206L	102829
GRV1208L	102831
GRV1210L	102833
GRV1510L	102841
GRV1512L	102842
GRV1810L	102850
GRV1812L	102851
GRV1815L	102852
GRV2212L	102862
GRV2215L	102863
GRV2218L	102864
GRV2818L	102878
GRV2822L	102879
GRV3522L	102895
GRV3528L	102896
GRV4235L	102914

* More sizes available on request

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Size	Article
GRV0806S	102823
GRV1006S	102826
GRV1008S	102828
GRV1206S	102830
GRV1208S	102832
GRV1210S	102834
GRV1410S	102837
GRV1412S	102838
GRV1610S	102845
GRV1612S	102846
GRV1614S	102847
GRV2010S	102855
GRV2012S	102856
GRV2016S	102858
GRV2516S	102870
GRV2520S	102871
GRV3020S	102887
GRV3025S	102888
GRV3830S	102905

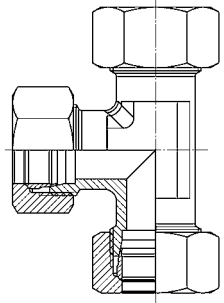
* More sizes available on request

Size	Article
WV04LL	105905
WV06LL	105908
WV08LL	105911
WV10LL	105914
WV12LL	123644
WV06L	105907
WV08L	105910
WV10L	105913
WV12L	105916
WV15L	105920
WV18L	105922
WV22L	105924
WV28L	105926
WV35L	105928
WV42L	105930

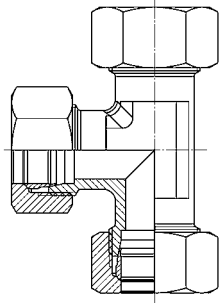
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Size	Article
WV06S	105909
WV08S	105912
WV10S	105915
WV12S	105917
WV14S	105919
WV16S	105921
WV20S	105923
WV25S	105925
WV30S	105927
WV38S	105929

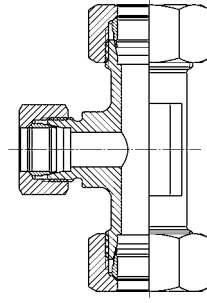
TV...L



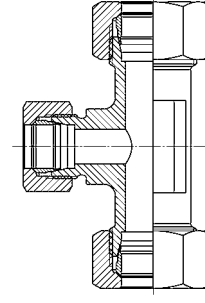
TV...S



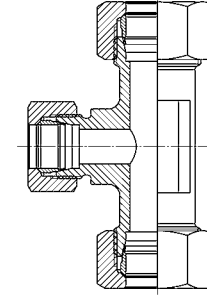
TRV...L



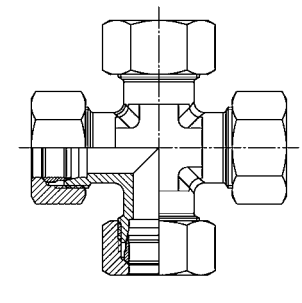
TRV...L



TRV...S



KV...L/S



Size	Article
TV04LL	105076
TV06LL	105078
TV08LL	105082
TV10LL	105085
TV12LL	203802
TV06L	105077
TV08L	105081
TV10L	105084
TV12L	105087
TV15L	105092
TV18L	105095
TV22L	105097
TV28L	105099
TV35L	105101
TV42L	105103

Size	Article
TV06S	105079
TV08S	105083
TV10S	105086
TV12S	105089
TV14S	105091
TV16S	105094
TV20S	105096
TV25S	105098
TV30S	105100
TV38S	105102

Size	Article
TRV06/10/06L	104723
TRV08/06/08L	104741
TRV08/12/08L	104747
TRV10/06/10L	104763
TRV10/08/10L	104767
TRV10/12/10L	104773
TRV10/15/10L	104776
TRV12/08/08L	104790
TRV12/10/10L	104794
TRV12/12/08L	104799
TRV12/12/10L	104801
TRV15/12/12L	104837
TRV15/12/22L	123654
TRV15/15/08L	104840
TRV15/15/10L	104841
TRV18/10/10L	104871
TRV18/10/18L	104872
TRV18/12/12L	104873
TRV18/12/22L	123655
TRV18/15/18L	104876
TRV18/18/10L	104879
TRV18/22/18L	104882
TRV22/10/22L	104911
TRV22/15/22L	104915
TRV22/18/22L	104917
TRV22/22/10L	104920

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Size	Article
TRV22/22/12L	104921
TRV22/22/18L	104923
TRV28/10/28L	104954
TRV28/12/28L	104956
TRV28/15/28L	123657
TRV28/18/28L	104960
TRV28/22/22L	104961
TRV28/28/18L	104968
TRV28/28/22L	104969
TRV35/10/35L	105002
TRV35/12/35L	105004
TRV35/18/35L	105008
TRV35/28/35L	105012
TRV42/12/42L	105056
TRV42/22/42L	105062
TRV42/28/42L	105064

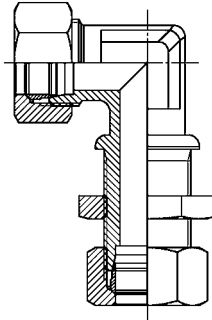
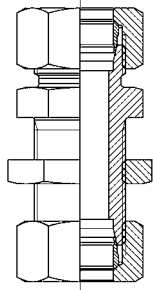
Size	Article
TRV12/06/12S	104789
TRV12/08/08S	104791
TRV12/10/12S	104796
TRV12/16/12S	104804
TRV14/10/14S	104819
TRV16/08/16S	104851
TRV16/20/16S	104863
TRV20/10/20S	104891
TRV20/12/20S	104893
TRV20/14/20S	104895
TRV20/25/20S	104903
TRV25/16/25S	104937
TRV30/16/30S	104983
TRV30/20/30S	104985
TRV38/16/38S	105033
TRV38/25/38S	105037

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Size	Article
KV04LL	103149
KV06LL	103151
KV08LL	103154
KV06L	103150
KV08L	103153
KV10L	103156
KV12L	103158
KV15L	103161
KV18L	103163
KV22L	103165
KV28L	103167
KV35L	103169
KV42L	103171
KV06S	103152
KV08S	103155
KV10S	103157
KV12S	103159
KV14S	103160
KV16S	103162
KV20S	103164
KV25S	103166
KV30S	103168
KV38S	103170

GSV...L/S

WSV...L/S



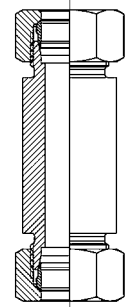
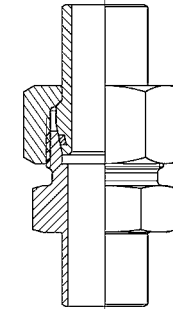
Size	Article
GSV06L	102920
GSV08L	102923
GSV10L	102926
GSV12L	102928
GSV15L	102932
GSV18L	102935
GSV22L	102938
GSV28L	102941
GSV35L	102943
GSV42L	102945
GSV06S	102922
GSV08S	102924
GSV10S	102927
GSV12S	102929
GSV14S	102931
GSV16S	102934
GSV20S	102937
GSV25S	102940
GSV30S	102942
GSV38S	102944

Size	Article
WSV06L	105884
WSV08L	105886
WSV10L	105888
WSV12L	105890
WSV15L	105893
WSV18L	105896
WSV22L	105898
WSV28L	105900
WSV35L	105902
WSV42L	105904
WSV06S	105885
WSV08S	105887
WSV10S	105889
WSV12S	105891
WSV14S	105892
WSV16S	105895
WSV20S	105897
WSV25S	105899
WSV30S	105901
WSV38S	105903

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ASKV

ESV...L/S

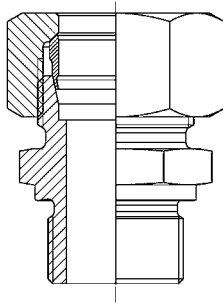


Size	Article
ASKV06Sx1.5	100129
ASKV08Sx1.5	100130
ASKV08Sx2	100131
ASKV10Sx1	100132
ASKV10Sx1.5	100133
ASKV10Sx2	100134
ASKV12Sx1.5	124937
ASKV12Sx2	100136
ASKV12Sx2.5	100137
ASKV14Sx2	100138
ASKV14Sx3	100139
ASKV16Sx2	100141
ASKV16Sx2.5	100142
ASKV16Sx3	100143
ASKV20Sx2	100144
ASKV20Sx2.5	100145
ASKV20Sx3	100146
ASKV20Sx4	100147
ASKV25Sx3	100148
ASKV25Sx4	100149
ASKV25Sx5	100150
ASKV30Sx3	100151
ASKV30Sx4	100152
ASKV30Sx5	100153
ASKV30Sx6	100154
ASKV38Sx4	100155
ASKV38Sx5	100156
ASKV38Sx6	100157
ASKV38Sx7	100158

Size	Article
ESV06L	101617
ESV08L	101619
ESV10L	101621
ESV12L	101623
ESV15L	101626
ESV18L	101629
ESV22L	101631
ESV28L	101633
ESV35L	101635
ESV42L	101637
ESV06S	101618
ESV08S	101620
ESV10S	101622
ESV12S	101624
ESV14S	101625
ESV16S	101628
ESV20S	101630
ESV25S	101632
ESV30S	101634
ESV38S	101636

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GEV...LR (Form B)



Size	Article
GEV04LLR1/8	102187
GEV06LLR1/8	102205
GEV06LLR1/4	102206
GEV08LLR1/8	102273
GEV08LLR1/4	102274
GEV06LR1/8	102220
GEV06LR1/4	102225
GEV06LR3/8	102231
GEV06LR1/2	102221
GEV08LR1/8	102293
GEV08LR1/4	102289
GEV08LR3/8	102299
GEV08LR1/2	102290
GEV08LR3/4	102296
GEV10LR1/8	102357
GEV10LR1/4	102353
GEV10LR3/8	102363
GEV10LR1/2	102354
GEV10LR3/4	102360
GEV12LR1/8	102428
GEV12LR1/4	102425
GEV12LR3/8	102421
GEV12LR1/2	102422
GEV12LR3/4	102431
GEV15LR1/8	102521
GEV15LR1/4	102518

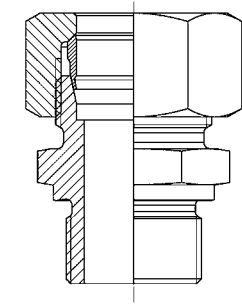
Size	Article
GEV15LR3/8	102529
GEV15LR1/2	102516
GEV15LR3/4	102526
GEV15LR1	102517
GEV18LR1/8	102591
GEV18LR1/4	102588
GEV18LR3/8	102599
GEV18LR1/2	102586
GEV18LR3/4	102596
GEV18LR1	102587
GEV22LR3/8	102655
GEV22LR1/2	102649
GEV22LR3/4	102647
GEV22LR1	102648
GEV22LR1.1/4	102657
GEV28LR1/2	102695
GEV28LR3/4	102700
GEV28LR1	102694
GEV28LR1.1/4	102702
GEV28LR1.1/2	102698
GEV35LR1/2	102739
GEV35LR3/4	102746
GEV35LR1	102738
GEV35LR1.1/4	102737
GEV35LR1.1/2	102744
GEV42LR1	102774

Size	Article
GEV42LR1.1/4	102777
GEV42LR1.1/2	102773

* Form B = Metal Sealing Edge.

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GEV...SR (Form B)



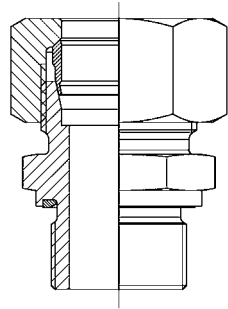
Size	Article
GEV06SR1/8	102251
GEV06SR1/4	102247
GEV06SR3/8	102255
GEV06SR1/2	102248
GEV06SR3/4	102253
GEV08SR1/4	102319
GEV08SR3/8	102326
GEV08SR1/2	102320
GEV10SR1/8	102391
GEV10SR1/4	102389
GEV10SR3/8	102386
GEV10SR1/2	102387
GEV10SR3/4	102393
GEV12SR1/4	102464
GEV12SR3/8	102460
GEV12SR1/2	102461
GEV12SR3/4	102468
GEV14SR1/4	102483
GEV14SR3/8	102490
GEV14SR1/2	102481
GEV14SR3/4	102488
GEV14SR1	102482
GEV16SR1/4	102557
GEV16SR3/8	102564
GEV16SR1/2	102555
GEV16SR3/4	102562

Size	Article
GEV20SR1/4	123823
GEV20SR3/8	102626
GEV20SR1/2	102621
GEV20SR3/4	102619
GEV20SR1	102620
GEV20SR1.1/4	102628
GEV20SR1.1/2	102624
GEV25SR1/2	102673
GEV25SR3/4	102677
GEV25SR1	102672
GEV25SR1.1/4	102679
GEV25SR1.1/2	102675
GEV30SR1/2	102718
GEV30SR1	102717
GEV30SR1.1/4	102716
GEV30SR1.1/2	102722
GEV38SR3/4	102761
GEV38SR1	102759
GEV38SR1.1/4	102762
GEV38SR1.1/2	102758

* Form B = Metal Sealing Edge.

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GEV...LR -WD

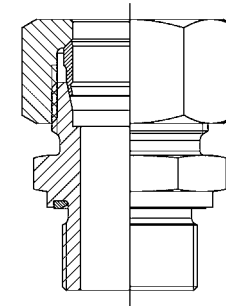


Size	Article	Size	Article
GEV04LLR1/8 WD	123836	GEV18LR3/8 WD	102601
GEV06LLR1/8 WD	123837	GEV18LR1/2 WD	102604
GEV06LR1/8 WD	102235	GEV18LR3/4 WD	102598
GEV06LR1/4 WD	102227	GEV22LR1/2 WD	102650
GEV06LR3/8 WD	102233	GEV22LR3/4 WD	102661
GEV06LR1/2 WD	102224	GEV22LR1 WD	102651
GEV08LR1/8 WD	102295	GEV22LR1.1/4 WD	218913
GEV08LR1/4 WD	102303	GEV28LR1/2 WD	102696
GEV08LR3/8 WD	102301	GEV28LR3/4 WD	102701
GEV08LR1/2 WD	102292	GEV28LR1 WD	102705
GEV10LR1/8 WD	102359	GEV28LR1.1/4 WD	102703
GEV10LR1/4 WD	102368	GEV35LR3/4 WD	102747
GEV10LR3/8 WD	102366	GEV35LR1 WD	102741
GEV10LR1/2 WD	102356	GEV35LR1.1/4 WD	102750
GEV10LR3/4 WD	102362	GEV35LR1.1/2 WD	102745
GEV12LR1/8 WD	102430	GEV42LR1 WD	102775
GEV12LR1/4 WD	102427	GEV42LR1.1/4 WD	102779
GEV12LR3/8 WD	102439	GEV42LR1.1/2 WD	102781
GEV12LR1/2 WD	102424		
GEV12LR3/4 WD	102433		
GEV15LR1/4 WD	102520		
GEV15LR3/8 WD	102533		
GEV15LR1/2 WD	102538		
GEV15LR3/4 WD	102528		

* WD = Encapsulated Seal.

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GEV...SR -WD

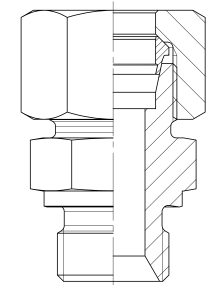


Size	Article
GEV06SR1/8 WD	102252
GEV06SR1/4 WD	102257
GEV06SR3/8 WD	102256
GEV06SR1/2 WD	102250
GEV08SR1/8 WD	102323
GEV08SR1/4 WD	102328
GEV08SR3/8 WD	102327
GEV08SR1/2 WD	102321
GEV10SR1/8 WD	102392
GEV10SR1/4 WD	102390
GEV10SR3/8 WD	102397
GEV10SR1/2 WD	102388
GEV10SR3/4 WD	102394
GEV12SR1/4 WD	102465
GEV12SR3/8 WD	102470
GEV12SR1/2 WD	102463
GEV12SR3/4 WD	102469
GEV14SR3/8 WD	102491
GEV14SR1/2 WD	102492
GEV14SR3/4 WD	102489
GEV16SR1/4 WD	102558
GEV16SR3/8 WD	102565
GEV16SR1/2 WD	102566
GEV16SR3/4 WD	102563
GEV16SR1 WD	102561

* WD = Encapsulated Seal.

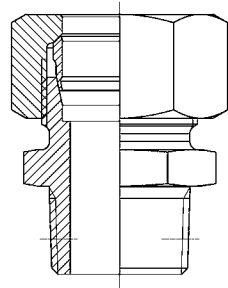
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**GEV...SR
60°**

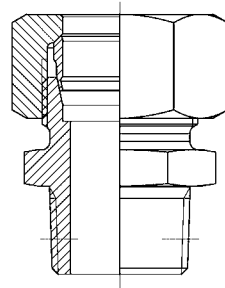


Size	Article
GEV16SR1/2-60	246922
GEV25SR3/4-60	246920

GEV...LR keg



GEV...SR keg



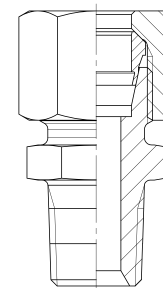
Size	Article
GEV04LLR1/8keg.	102188
GEV06LLR1/8keg.	102207
GEV08LLR1/8keg.	102276
GEV08LLR1/4keg.	102275
GEV10LLR1/4keg.	102337
GEV06LR1/8keg.	102234
GEV06LR1/4keg.	102226
GEV06LR3/8keg.	102232
GEV06LR1/2keg.	102222
GEV08LR1/8keg.	102294
GEV08LR1/4keg.	102302
GEV08LR3/8keg.	102300
GEV08LR1/2keg.	102291
GEV10LR1/8keg.	102358
GEV10LR1/4keg.	102367
GEV10LR3/8keg.	102364
GEV10LR1/2keg.	102355
GEV12LR1/8keg.	102429
GEV12LR1/4keg.	102426
GEV12LR3/8keg.	102435
GEV12LR1/2keg.	102423
GEV12LR3/4keg.	102432
GEV15LR1/4keg.	102519
GEV15LR3/8keg.	102531
GEV15LR1/2keg.	102534
GEV15LR3/4keg.	102527

Size	Article
GEV18LR3/8keg.	102600
GEV18LR1/2keg.	102602
GEV18LR3/4keg.	102597
GEV22LR3/8keg.	123846
GEV22LR1/2keg.	123847
GEV22LR3/4keg.	102659
GEV22LR1keg.	123848
GEV28LR1/2keg.	123849
GEV28LR3/4keg.	123850
GEV28LR1keg.	102704
GEV28LR1.1/4keg.	123851
GEV35LR1keg.	123852
GEV35LR1.1/4keg.	102748
GEV35LR1.1/2keg.	123853
GEV42LR1.1/4keg.	102778
GEV42LR1.1/2keg.	102780

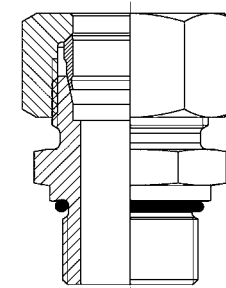
* keg = Taper.

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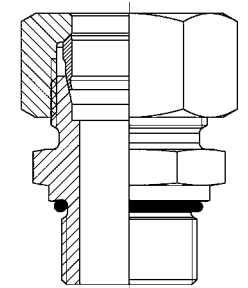
GEV...LR keg
60°



GEV...L-UNO



GEV...S-UNO



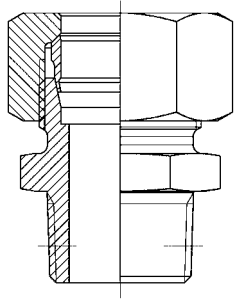
Size	Article
GEV10LR1/4keg-60	246923

Size	Article
GEV06L7/16-20UNF	102194
GEV08L7/16-20UNF	102664
GEV10L7/16-20UNF	102334
GEV12L9/16-18UNF	102405
GEV12L3/4-16UNF	102401
GEV12L7/8-14UNF	102404
GEV15L3/4-16UNF	102499
GEV15L7/8-14UNF	102502
GEV18L3/4-16UNF	102573
GEV18L7/8-14UNF	102576
GEV22L7/8-14UNF	102639
GEV22L1.1/16-12UN	102632
GEV22L1.5/16-12UN	102633
GEV28L1.1/16-12UN	102684
GEV35L1.5/16-12UN	102728
GEV35L1.5/8-12UN	102729
GEV42L1.5/8-12UN	102765

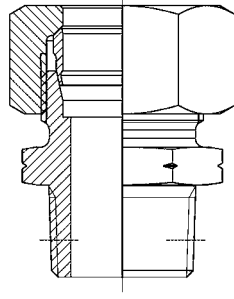
Size	Article
GEV08S7/16-20UNF	102310
GEV10S9/16-18UNF	102375
GEV12S9/16-18UNF	102449
GEV12S3/4-16UNF	102445
GEV16S3/4-16UNF	102544
GEV16S7/8-14UNF	102547
GEV20S3/4-16UNF	102609
GEV20S7/8-14UNF	102613
GEV20S1.1/16-12UN	102606
GEV25S1.1/16-12UN	102663
GEV25S1.5/16-12UN	102664
GEV30S1.5/16-12UN	102708
GEV30S1.5/8-12UN	102709
GEV38S1.5/8-12UN	102751

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GEV...LM-keg



GEV...L-NPT

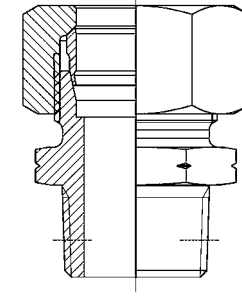


Size	Article	Size	Article	Size	Article
GEV04LLM6x1keg.	123897	GEV04LL1/8 NPT	102183	GEV18L3/8 NPT	102575
GEV04LLM8x1keg.	102186	GEV06LL1/8 NPT	102196	GEV18L1/2 NPT	102567
GEV04LLM10x1keg.	123896	GEV08LL1/8 NPT	102266	GEV18L3/4 NPT	102574
GEV06LLM6x1keg.	102199	GEV06L1/8 NPT	102191	GEV18L1 NPT	102572
GEV06LLM8x1keg.	102201	GEV06L1/4 NPT	102190	GEV22L3/8 NPT	102637
GEV06LLM10x1keg.	102203	GEV06L3/8 NPT	102193	GEV22L1/2 NPT	102631
GEV08LLM6x1keg.	123895	GEV06L1/2 NPT	102189	GEV22L3/4 NPT	102636
GEV08LLM8x1keg.	102269	GEV08L1/8 NPT	102261	GEV22L1 NPT	102634
GEV08LLM10x1keg.	102271	GEV08L1/4 NPT	102260	GEV22L1.1/4 NPT	102638
GEV06LM10x1keg.	102218	GEV08L3/8 NPT	102263	GEV28L1/2 NPT	102683
GEV06LM12x1,5keg.	102213	GEV08L1/2 NPT	102259	GEV28L3/4 NPT	102688
GEV08LM10x1keg.	102279	GEV10L1/8 NPT	102331	GEV28L1 NPT	102686
GEV08LM12x1,5keg.	102287	GEV10L1/4 NPT	102330	GEV28L1.1/4 NPT	102689
GEV08LM14x1,5keg.	102282	GEV10L3/8 NPT	102333	GEV35L3/4 NPT	102732
GEV10LM10x1keg.	123898	GEV10L1/2 NPT	102329	GEV35L1 NPT	102730
GEV10LM14x1,5keg.	102351	GEV10L3/4 NPT	102332	GEV35L1.1/4 NPT	102733
GEV10LM16x1,5keg.	102344	GEV12L1/8 NPT	102400	GEV35L1.1/2 NPT	102731
GEV12LM12x1,5keg.	102408	GEV12L1/4 NPT	102399	GEV42L1 NPT	102767
GEV12LM16x1,5keg.	102419	GEV12L3/8 NPT	102403	GEV42L1.1/4 NPT	102769
GEV12LM18x1,5keg.	102414	GEV12L1/2 NPT	102398	GEV42L1.1/2 NPT	102768
GEV15LM18x1,5keg.	102511	GEV12L3/4 NPT	102402		
GEV18LM18x1,5keg.	102582	GEV15L1/4 NPT	102496		
GEV18LM22x1,5keg.	102584	GEV15L3/8 NPT	102501		
		GEV15L1/2 NPT	102494		
		GEV15L3/4 NPT	102500		

* keg = Taper.

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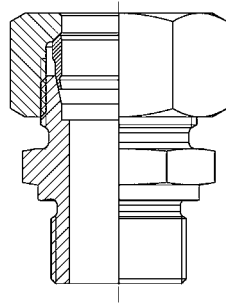
GEV...S-NPT



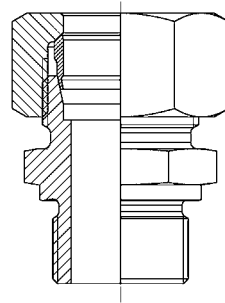
Size	Article	Size	Article
GEV06S1/8 NPT	102238	GEV20S3/8 NPT	102611
GEV06S1/4 NPT	102237	GEV20S1/2 NPT	102605
GEV06S3/8 NPT	102240	GEV20S3/4 NPT	102610
GEV06S1/2 NPT	102236	GEV20S1 NPT	102607
GEV08S1/8 NPT	102307	GEV20S1.1/4 NPT	102612
GEV08S1/4 NPT	102306	GEV25S1/2 NPT	102662
GEV08S3/8 NPT	102309	GEV25S3/4 NPT	102667
GEV08S1/2 NPT	102305	GEV25S1 NPT	102665
GEV10S1/8 NPT	102371	GEV25S1.1/4 NPT	102668
GEV10S1/4 NPT	102370	GEV30S3/4 NPT	102712
GEV10S3/8 NPT	102374	GEV30S1 NPT	102710
GEV10S1/2 NPT	102369	GEV30S1.1/4 NPT	102713
GEV10S3/4 NPT	102373	GEV30S1.1/2 NPT	102711
GEV12S1/4 NPT	102443	GEV38S1 NPT	102753
GEV12S3/8 NPT	102447	GEV38S1.1/4 NPT	102755
GEV12S1/2 NPT	102441	GEV38S1.1/2 NPT	102754
GEV12S3/4 NPT	102446		
GEV14S3/8 NPT	102476		
GEV14S1/2 NPT	102471		
GEV14S3/4 NPT	102475		
GEV16S3/8 NPT	102546		
GEV16S1/2 NPT	102539		
GEV16S3/4 NPT	102545		
GEV16S1 NPT	102543		

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GEV...LM (Form B)



GEV...SM (Form B)



Size	Article
GEV06LM10x1	102208
GEV06LM12x1.5	102212
GEV06LM14x1.5	102215
GEV08LM10x1	102278
GEV08LM12x1.5	102277
GEV08LM14x1.5	102281
GEV08LM16x1.5	102284
GEV08LM18x1.5	123831
GEV10LM10x1	123833
GEV10LM12x1.5	102340
GEV10LM14x1.5	102339
GEV10LM16x1.5	102343
GEV10LM18x1.5	102346
GEV10LM22x1.5	102349
GEV12LM12x1.5	102407
GEV12LM14x1.5	102410
GEV12LM16x1.5	102406
GEV12LM18x1.5	102413
GEV12LM22x1.5	102416
GEV15LM16x1.5	102507
GEV15LM18x1.5	102510
GEV15LM22x1.5	102512
GEV18LM18x1.5	102581
GEV18LM22x1.5	102577
GEV18LM26x1.5	123834
GEV22LM22x1.5	102643

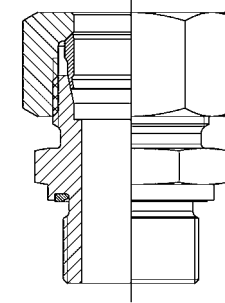
Size	Article
GEV22LM26x1.5	102640
GEV28LM33x2	102691
GEV35LM42x2	102734
GEV42LM48x2	102770

* Form B = Metal Sealing Edge.

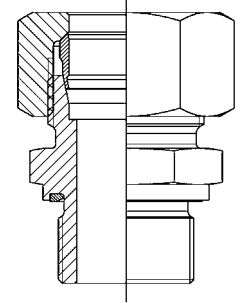
Size	Article
GEV06SM12x1.5	102241
GEV06SM14x1.5	102244
GEV08SM12x1.5	102314
GEV08SM14x1.5	102311
GEV08SM16x1.5	102316
GEV10SM14x1.5	102379
GEV10SM16x1.5	102376
GEV10SM18x1.5	102381
GEV10SM22x1.5	102383
GEV12SM12x1.5	102451
GEV12SM14x1.5	102453
GEV12SM16x1.5	102455
GEV12SM18x1.5	102450
GEV12SM22x1.5	102457
GEV14SM20x1.5	102478
GEV14SM27x2	102479
GEV16SM12x1.5	102549
GEV16SM16x1.5	102550
GEV16SM18x1.5	102552
GEV16SM22x1.5	102548
GEV20SM18x1.5	102615
GEV20SM22x1.5	102616
GEV20SM27x2	102614
GEV25SM22x1.5	102670
GEV25SM33x2	102669
GEV30SM33x2	123835
GEV30SM42x2	102714
GEV38SM48x2	102756

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GEV...LM -WD



GEV...SM -WD



Size	Article
GEV06LM10x1WD	102219
GEV06LM12x1,5WD	102214
GEV06LM14x1,5WD	102217
GEV08LM10x1WD	102280
GEV08LM12x1,5WD	102288
GEV08LM14x1,5WD	102283
GEV08LM16x1,5WD	102286
GEV10LM12x1,5WD	102342
GEV10LM14x1,5WD	102352
GEV10LM16x1,5WD	102345
GEV10LM18x1,5WD	102348
GEV10LM22x1,5WD	102350
GEV12LM12x1,5WD	102409
GEV12LM14x1,5WD	102412
GEV12LM16x1,5WD	102420
GEV12LM18x1,5WD	102415
GEV12LM22x1,5WD	102418
GEV15LM16x1,5WD	102509
GEV15LM18x1,5WD	102515
GEV15LM22x1,5WD	102514
GEV18LM18x1,5WD	102583
GEV18LM22x1,5WD	102585
GEV22LM22x1,5WD	102644
GEV22LM26x1,5WD	102646
GEV28LM33x2WD	102693
GEV35LM42x2WD	102736
GEV42LM48x2WD	102772

Size	Article
GEV06SM12x1,5WD	102246
GEV06SM14x1,5WD	102245
GEV08SM12x1,5WD	102315
GEV08SM14x1,5WD	102318
GEV08SM16x1,5WD	102317
GEV10SM14x1,5WD	102380
GEV10SM16x1,5WD	102385
GEV10SM18x1,5WD	102382
GEV12SM14x1,5WD	102454
GEV12SM16x1,5WD	102456
GEV12SM18x1,5WD	102459
GEV12SM22x1,5WD	102458
GEV14SM20x1,5WD	102480
GEV16SM18x1,5WD	102553
GEV16SM22x1,5WD	102554
GEV20SM27x2WD	102618
GEV25SM33x2WD	102671
GEV30SM42x2WD	102715
GEV38SM48x2WD	102757

* WD = Encapsulated Seal.

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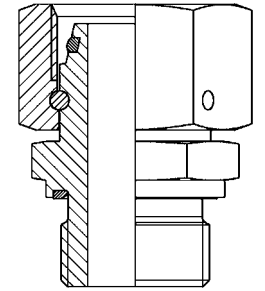
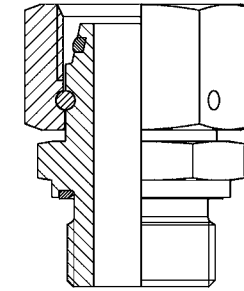
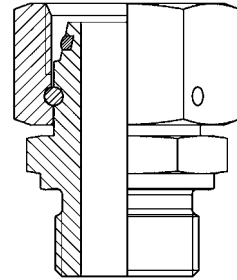
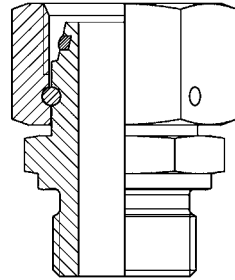
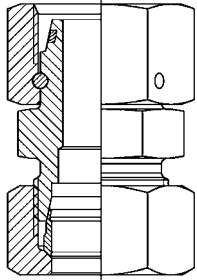
GEDV...L/S

**EGVD...LR
(Form B)**

**EGVD...SR
(Form B)**

EGVD...LR -WD

EGVD...SR -WD



Size	Article
GEDV 06L	207506
GEDV 08L	207507
GEDV 10L	207508
GEDV 12L	207509
GEDV 15L	207510
GEDV 18L	207511
GEDV 22L	207512
GEDV 28L	207513
GEDV 35L	207514
GEDV 42L	207515
GEDV 06S	207516
GEDV 08S	207517
GEDV 10S	207518
GEDV 12S	207519
GEDV 14S	207520
GEDV 16S	207521
GEDV 20S	207522
GEDV 25S	207523
GEDV 30S	207524
GEDV 38S	207525

Size	Article
EGVD06LR1/8	207526
EGVD08LR1/4	207527
EGVD10LR1/4	207528
EGVD10LR3/8	207529
EGVD12LR3/8	207530
EGVD12LR1/4	207531
EGVD12LR1/2	207532
EGVD15LR1/2	207533
EGVD18LR1/2	207534
EGVD18LR3/4	207535
EGVD22LR3/4	207536
EGVD28LR1	207537
EGVD35LR1.1/4	207538
EGVD42LR1.1/2	207539

Size	Article
EGVD06SR1/4	207540
EGVD08SR1/4	207541
EGVD10SR3/8	207542
EGVD12SR3/8	207543
EGVD12SR1/4	207544
EGVD12SR1/2	207545
EGVD14SR1/2	207546
EGVD16SR1/2	207547
EGVD20SR3/4	207548
EGVD25SR1	207549
EGVD30SR1.1/4	207550
EGVD38SR1.1/2	207551

* Form B = Metal Sealing Edge.

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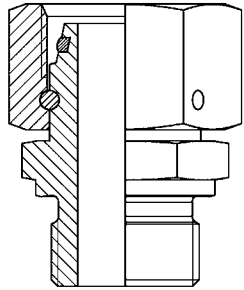
Size	Article
EGVD06LR1/8WD	101434
EGVD08LR1/4WD	101438
EGVD10LR1/4WD	101442
EGVD10LR3/8WD	200585
EGVD12LR3/8WD	101447
EGVD12LR1/4WD	101446
EGVD12LR1/2WD	201370
EGVD15LR1/2WD	101454
EGVD18LR1/2WD	101458
EGVD18LR3/4WD	204538
EGVD22LR3/4WD	101462
EGVD28LR1WD	101467
EGVD35LR1.1/4WD	101471
EGVD42LR1.1/2WD	101475

Size	Article
EGVD06SR1/4WD	101436
EGVD08SR1/4WD	101440
EGVD10SR3/8WD	101444
EGVD12SR3/8WD	101450
EGVD12SR1/4WD	200551
EGVD12SR1/2WD	101449
EGVD14SR1/2WD	101452
EGVD16SR1/2WD	101456
EGVD20SR3/4WD	101460
EGVD25SR1WD	101464
EGVD30SR1.1/4WD	101469
EGVD38SR1.1/2WD	101473

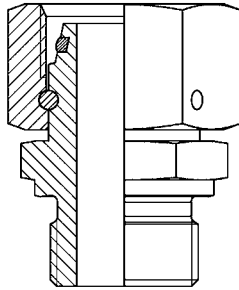
* WD = Encapsulated Seal.

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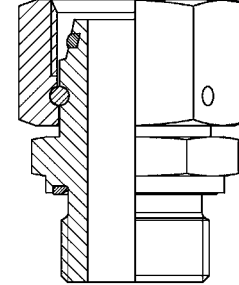
**EGVD...LM
(Form B)**



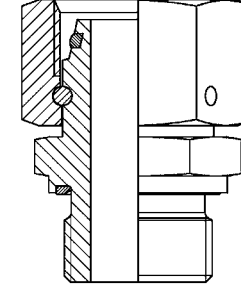
**EGVD...SM
(Form B)**



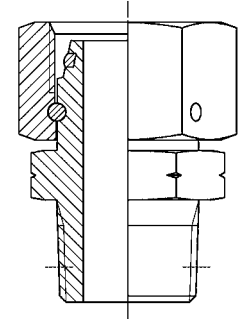
EGVD...LM -WD



EGVD...SM -WD



EGVD...L/S-NPT



Size	Article
EGVD06LM10x1	207552
EGVD08LM12x1,5	207553
EGVD10LM14x1,5	207554
EGVD12LM16x1,5	207555
EGVD12LM22x1,5	207556
EGVD15LM18x1,5	207557
EGVD15LM22x1,5	207558
EGVD18LM22x1,5	207559
EGVD22LM26x1,5	207560
EGVD28LM33x2	207561
EGVD35LM42x2	207562
EGVD42LM48x2	207563

Size	Article
EGVD06SM12x1,5	207564
EGVD08SM14x1,5	207565
EGVD10SM16x1,5	207566
EGVD12SM18x1,5	207567
EGVD14SM20x1,5	207568
EGVD16SM22x1,5	207569
EGVD20SM27x2	207570
EGVD25SM33x2	207571
EGVD30SM42x2	207572
EGVD38SM48x2	207573

* Form B = Metal Sealing Edge.

Made in Germany

Size	Article
EGVD06LM10x1WD	101433
EGVD08LM12x1,5WD	101437
EGVD10LM14x1,5WD	101441
EGVD12LM16x1,5WD	101445
EGVD12LM22x1,5WD	204540
EGVD15LM18x1,5WD	101453
EGVD15LM22x1,5WD	204542
EGVD18LM22x1,5WD	101457
EGVD22LM26x1,5WD	101461
EGVD28LM33x2WD	101465
EGVD35LM42x2WD	101470
EGVD42LM48x2WD	101474

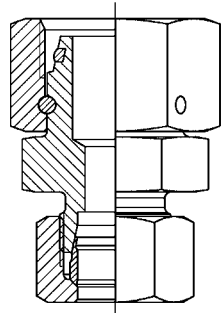
* WD = Encapsulated Seal.

Size	Article
EGVD06SM12x1,5WD	101435
EGVD08SM14x1,5WD	101439
EGVD10SM16x1,5WD	101443
EGVD12SM18x1,5WD	101448
EGVD14SM20x1,5WD	101451
EGVD16SM22x1,5WD	101455
EGVD20SM27x2WD	101459
EGVD25SM33x2WD	101463
EGVD30SM42x2WD	101468
EGVD38SM48x2WD	101472

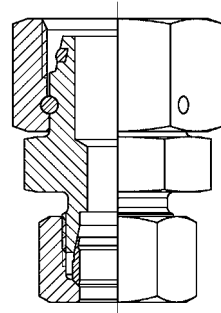
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Size	Article
EGVD06L1/8NPT	101432
EGVD08L1/4NPT	207575
EGVD10L1/4NPT	207576
EGVD12L3/8NPT	207577
EGVD15L1/2NPT	207578
EGVD18L1/2NPT	207579
EGVD22L3/4NPT	207580
EGVD28L1NPT	200554
EGVD35L1.1/4NPT	207582
EGVD42L1.1/2NPT	207583
EGVD06S1/4NPT	207584
EGVD08S1/4NPT	207585
EGVD10S3/8NPT	207586
EGVD12S3/8NPT	207587
EGVD14S1/2NPT	207588
EGVD16S1/2NPT	207589
EGVD20S3/4NPT	207590
EGVD25S1NPT	207591
EGVD30S1.1/4NPT	207592
EGVD38S1.1/2NPT	207574

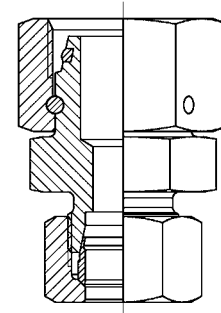
REDV...L



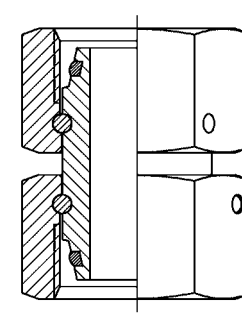
REDV...S



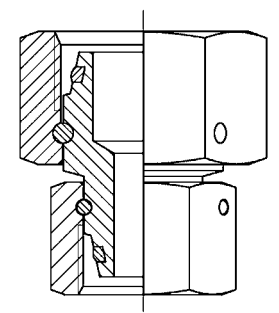
REDV...S



EDKV...L/S



EDKRV



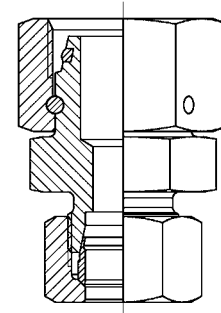
Size	Article
REDV08/06L	103604
REDV10/06L	103606
REDV10/08L	103608
REDV12/06L	103610
REDV12/08L	103612
REDV12/10L	103614
REDV15/06L	103620
REDV15/08L	103621
REDV15/10L	103622
REDV15/12L	103623
REDV18/06L	103629
REDV18/08L	103630
REDV18/10L	103631
REDV18/12L	103632
REDV18/15L	103633
REDV22/06L	103640
REDV22/08L	103641
REDV22/10L	103642
REDV22/12L	103643
REDV22/15L	103644
REDV22/18L	103645
REDV28/06L	103653
REDV28/08L	103654
REDV28/10L	103655
REDV28/12L	103656
REDV28/15L	103657

Size	Article
REDV28/18L	103658
REDV28/22L	103659
REDV35/06L	103668
REDV35/08L	103669
REDV35/10L	103670
REDV35/12L	103671
REDV35/15L	103672
REDV35/18L	103673
REDV35/22L	103674
REDV35/28L	103675
REDV42/06L	103685
REDV42/08L	103686
REDV42/10L	103687
REDV42/12L	103688
REDV42/15L	103689
REDV42/18L	103690
REDV42/22L	103691
REDV42/28L	103692
REDV42/35L	103693

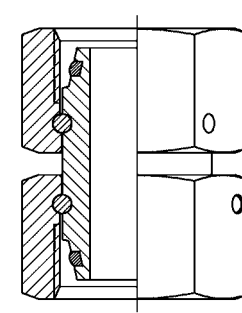
Size	Article
REDV08/06S	103605
REDV10/06S	103607
REDV10/08S	103609
REDV12/06S	103611
REDV12/08S	103613
REDV12/10S	103615
REDV14/06S	103616
REDV14/08S	103617
REDV14/10S	103618
REDV14/12S	103619
REDV16/06S	103624
REDV16/08S	103625
REDV16/10S	103626
REDV16/12S	103627
REDV16/14S	103628
REDV20/06S	103634
REDV20/08S	103635
REDV20/10S	103636
REDV20/12S	103637
REDV20/14S	103638
REDV20/16S	103639
REDV25/06S	103646
REDV25/08S	103647
REDV25/10S	103648
REDV25/12S	103649
REDV25/14S	103650

Made in Germany

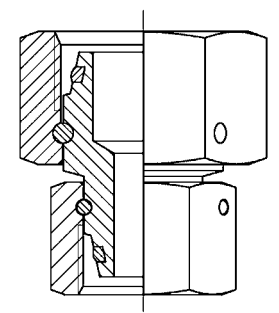
REDV...S



EDKV...L/S



EDKRV



Size	Article
REDV25/16S	103651
REDV25/20S	103652
REDV30/06S	103660
REDV30/08S	103661
REDV30/10S	103662
REDV30/12S	103663
REDV30/14S	103664
REDV30/16S	103665
REDV30/20S	103666
REDV30/25S	103667
REDV38/06S	103676
REDV38/08S	103677
REDV38/10S	103678
REDV38/12S	103679
REDV38/14S	103680
REDV38/16S	103681
REDV38/20S	103682
REDV38/25S	103683
REDV38/30S	103684

Size	Article
EDKV06L	101152
EDKV08L	101154
EDKV10L	101156
EDKV12L	101158
EDKV15L	101161
EDKV18L	101163
EDKV22L	101165
EDKV28L	101167
EDKV35L	101169
EDKV42L	101171
EDKV06S	101153
EDKV08S	101155
EDKV10S	101157
EDKV12S	101159
EDKV14S	101160
EDKV16S	101162
EDKV20S	101164
EDKV25S	101166
EDKV30S	101168
EDKV38S	101170

Size	Article
EDKRV08L/06L	123950
EDKRV10L/08L	123953
EDKRV12L/10L	123957
EDKRV12L/12S	123958
EDKRV15L/10L	124000
EDKRV15L/12L	124001
EDKRV18L/10L	124002
EDKRV18L/12L	124003
EDKRV18L/15L	124004
EDKRV18L/16S	124005
EDKRV22L/15L	124006
EDKRV22L/18L	124007
EDKRV22L/20S	124008
EDKRV08S/06S	124054
EDKRV10S/08S	124056
EDKRV16S/12S	124061
EDKRV20S/16S	124063

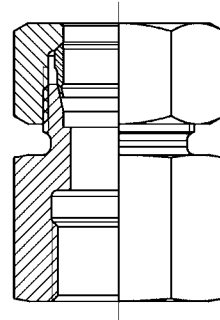
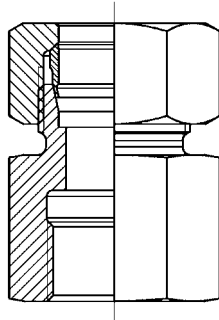
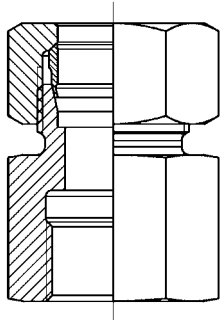
* Other sizes available on request.

Made in Germany

GAIV...LR

GAIV...SR

GAIV...LM/SM



Size	Article
GAIV06LR1/8	102023
GAIV06LR1/4	102025
GAIV08LR1/4	102035
GAIV08LR3/8	102038
GAIV08LR1/2	102036
GAIV10LR1/4	102049
GAIV10LR3/8	102052
GAIV10LR1/2	102050
GAIV12LR3/8	102065
GAIV12LR1/2	102066
GAIV15LR1/2	102086
GAIV18LR1/2	102100
GAIV18LR3/8	102103
GAIV22LR3/4	102112
GAIV28LR1	102119
GAIV35LR1.1/4	102124
GAIV42LR1.1/2	102130

Size	Article
GAIV06SR1/4	102028
GAIV08SR1/4	102040
GAIV10SR3/8	102054
GAIV12SR3/8	102073
GAIV12SR1/2	102074
GAIV14SR1/2	102077
GAIV16SR1/2	102091
GAIV20SR3/4	102105
GAIV25SR1	102166
GAIV30SR1.1/4	102121
GAIV38SR1.1/2	102127

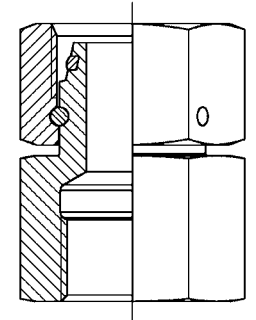
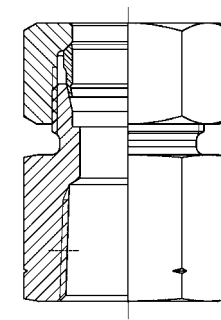
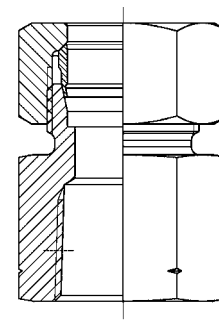
Size	Article
GAIV06LM10x1	102022
GAIV08LM12x1,5	102034
GAIV10LM14x1,5	102047
GAIV12LM16x1,5	102062
GAIV15LM18x1,5	102085
GAIV18LM22x1,5	102099
GAIV22LM26x1,5	102111
GAIV28LM33x2	102118
GAIV35LM42x2	102123
GAIV42LM48x2	102129
GAIV06SM12x1,5	102027
GAIV08SM14x1,5	102039
GAIV10SM16x1,5	102053
GAIV12SM18x1,5	102070
GAIV14SM20x1,5	102076
GAIV16SM22x1,5	102090
GAIV20SM27x2	102104
GAIV25SM33x2	102115
GAIV30SM42x2	102120
GAIV38SM48x2	102126

Made in Germany

GAIV...L-NPT

GAIV...S-NPT

EGVD...L/S-BSP



Size	Article
GAIV06L1/8NPT	102021
GAIV06L1/4NPT	102020
GAIV08L1/4NPT	102031
GAIV10L1/4NPT	102044
GAIV12L3/8NPT	102061
GAIV12L1/2NPT	102058
GAIV15L1/2NPT	102081
GAIV18L1/2NPT	102095
GAIV22L3/4NPT	102109
GAIV28L1NPT	102117
GAIV35L1.1/4NPT	102122
GAIV42L1.1/2NPT	102128

Size	Article
GAIV06S1/8NPT	207700
GAIV06S1/4NPT	126617
GAIV08S1/4NPT	126618
GAIV10S3/8NPT	126619
GAIV12S1/4NPT	207701
GAIV12S3/8NPT	126620
GAIV12S1/2NPT	201423
GAIV14S1/2NPT	207702
GAIV16S1/2NPT	200913
GAIV20S1/2NPT	126621
GAIV20S3/4NPT	201787
GAIV25S1NPT	207703
GAIV30S1.1/4NPT	201815
GAIV38S1.1/2NPT	207704

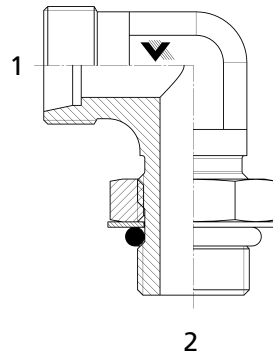
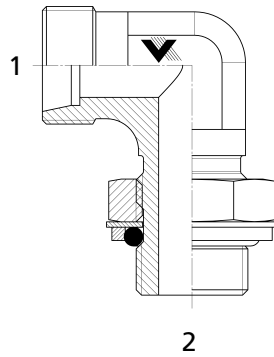
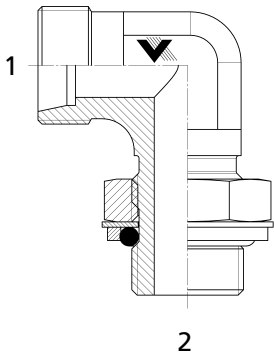
Size	Article
EGVD06L-f1/8	207654
EGVD08L-f1/4	207655
EGVD10L-f1/4	207656
EGVD12L-f3/8	207657
EGVD15L-f1/2	207658
EGVD18L-f1/2	207659
EGVD22L-f3/4	207660
EGVD28L-f1	207661
EGVD35L-f1.1/4	207662
EGVD42L-f1.1/2	207663
EGVD06S-f1/4	207664
EGVD08S-f1/4	207665
EGVD10S-f3/8	207666
EGVD12S-f3/8	207667
EGVD14S-f1/2	207668
EGVD16S-f1/2	207669
EGVD20S-f3/4	207670
EGVD25S-f1	207671
EGVD30S-f1.1/4	207672
EGVD38S-f1.1/2	207673

Made in Germany

WEE-R

WEE-M

WEE-UNO



Size	Article
06L - 1/8	212133
08L - 1/4	212134
10L - 1/4	212143
12L - 3/8	212144
15L - 1/2	212145
18L - 1/2	212146
22L - 3/4	212147
28L - 1	212148
35L - 1.1/4	212149
42L - 1.1/2	212150
06S - 1/4	212151
08S - 1/4	212152
10S - 3/8	212153
12S - 3/8	212154
16S - 1/2	212156
20S - 3/4	212157
25S - 1	212158
30S - 1.1/4	212159
38S - 1.1/2	212160

* R = BSPP

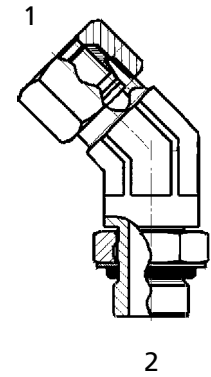
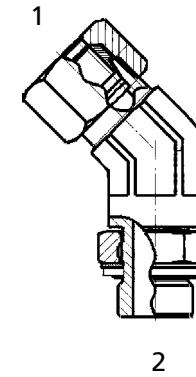
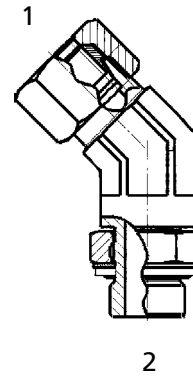
Size	Article
06L - 10 x 1	212161
08L - 12 x 1.5	212162
10L - 14 x 1.5	212163
12L - 16 x 1.5	212164
15L - 18 x 1.5	212165
18L - 22 x 1.5	212166
22L - 27 x 2	212167
28L - 33 x 2	212168
35L - 42 x 2	212169
42L - 48 x 2	212170
06S - 12 x 1.5	212171
08S - 14 x 1.5	212172
10S - 16 x 1.5	212173
12S - 18 x 1.5	212174
16S - 22 x 1.5	212176
20S - 27 x 2	212177
25S - 33 x 2	212178
30S - 42 x 2	212179
38S - 48 x 2	212180

Made in Germany

VEE-R

VEE-M

VEE-UNO



Size	Article
06L - 1/8	212592
08L - 1/4	212593
12L - 3/8	212595
18L - 1/2	212597
22L - 3/4	212598
28L - 1	212599
35L - 1.1/4	212600
06S - 1/4	212602
08S - 1/4	212603
10S - 3/8	212604
12S - 3/8	212605
14S - 1/2	212606
16S - 1/2	212607
20S - 3/4	212608

* R = BSPP

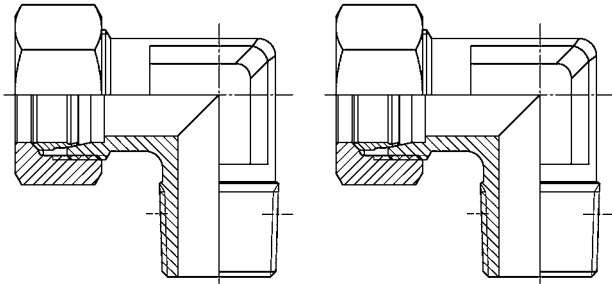
Size	Article
06L - 10 x 1	212612
08L - 12 x 1.5	212614
10L - 14 x 1.5	212613
12L - 16 x 1.5	212615
15L - 18 x 1.5	212616
18L - 22 x 1.5	212617
22L - 27 x 2	212618
28L - 33 x 2	212619
35L - 42 x 2	212620
42L - 48 x 2	212621
06S - 12 x 1.5	212622
08S - 14 x 1.5	212623
10S - 16 x 1.5	212624
12S - 18 x 1.5	212625
14S - 22 x 1.5	212626
16S - 22 x 1.5	212627
20S - 27 x 2	212628
25S - 33 x 2	212629
30S - 42 x 2	212630

Made in Germany

Size	Article
06L - 7/16	212633
08L - 7/16	212634
10L - 9/16	212635
12L - 9/16	212636
12L - 3/4	212637
15L - 3/4	212638
15L - 7/8	212639
18L - 7/8	212640
18L - 1.1/16	212641
22L - 1.1/16	212642
28L - 1.5/16	212643
35L - 1.5/8	212644
42L - 1.7/8	212645
06S - 7/16	212646
08S - 9/16	212647
10S - 9/16	212648
12S - 3/4	212649
14S - 3/4	212650
16S - 7/8	212651
20S - 1.1/16	212652
25S - 1.5/16	212653
30S - 1.5/8	212654
38S - 1.7/8	212655

WEV...LR keg

WEV...SR keg



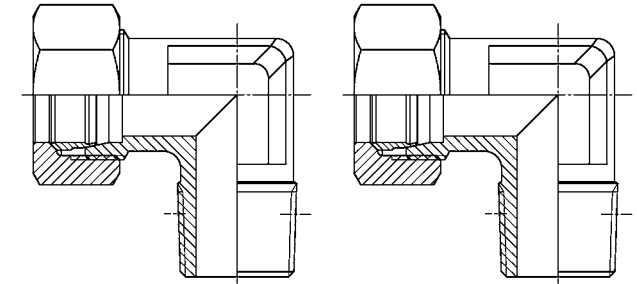
Size	Article
WEV04LLR1/8 keg.	105541
WEV06LLR1/8 keg.	105550
WEV08LLR1/8 keg.	105576
WEV10LLR1/4 keg.	105598
WEV12LLR1/4 keg.	123920
WEV06LR1/8 keg.	105558
WEV06LR1/4 keg.	105556
WEV08LR1/8 keg.	105581
WEV08LR1/4 keg.	105583
WEV08LR3/8 keg.	105582
WEV10LR1/4 keg.	105605
WEV10LR3/8 keg.	105604
WEV12LR1/4 keg.	105622
WEV12LR3/8 keg.	105624
WEV12LR1/2 keg.	105621
WEV15LR1/2 keg.	105651
WEV18LR1/2 keg.	105669

Size	Article
WEV06SR1/4 keg.	105568
WEV06SR3/8 keg.	105567
WEV08SR1/4 keg.	105592
WEV08SR3/8 keg.	105591
WEV10SR1/4 keg.	105611
WEV10SR3/8 keg.	105613
WEV10SR1/2 keg.	105610
WEV12SR3/8 keg.	105633
WEV12SR1/2 keg.	105631
WEV14SR1/2 keg.	105640
WEV16SR1/2 keg.	105658

Made in Germany

WEV...L-NPT

WEV...S-NPT



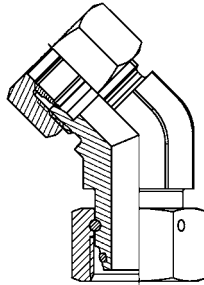
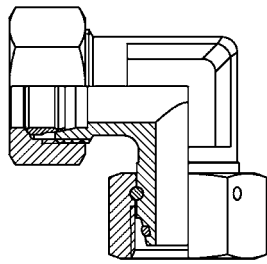
Size	Article
WEV04LL1/8 NPT	105538
WEV06LL1/8 NPT	105545
WEV08LL1/8 NPT	105573
WEV06L1/8 NPT	105543
WEV06L1/4 NPT	105542
WEV06L3/8 NPT	105544
WEV08L1/8 NPT	105571
WEV08L1/4 NPT	105570
WEV10L1/4 NPT	105595
WEV10L3/8 NPT	105597
WEV12L1/4 NPT	105615
WEV12L3/8 NPT	105617
WEV12L1/2 NPT	105614
WEV15L1/2 NPT	105641
WEV18L1/2 NPT	105659
WEV22L3/4 NPT	105682
WEV28L1 NPT	105700
WEV35L1.1/4 NPT	105720
WEV42L1.1/2 NPT	105735

Size	Article
WEV06S1/4 NPT	105561
WEV08S1/4 NPT	105585
WEV08S3/8 NPT	105587
WEV08S1/2 NPT	105584
WEV10S1/4 NPT	105607
WEV10S3/8 NPT	105608
WEV12S1/4 NPT	105628
WEV12S3/8 NPT	105629
WEV12S1/2 NPT	105626
WEV14S1/2 NPT	105634
WEV16S1/2 NPT	105652
WEV20S3/4 NPT	105672
WEV25S1 NPT	105692
WEV30S1.1/4 NPT	105712
WEV38S1.1/2 NPT	105727

Made in Germany

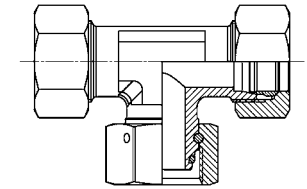
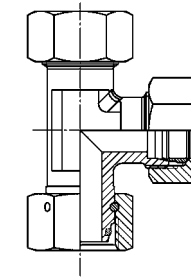
EWVD...L/S

EWVD - 45°...L/S



ELVD

ETVD...L/S



Size	Article
EWVD06L	101949
EWVD08L	101955
EWVD10L	101961
EWVD12L	101968
EWVD15L	101978
EWVD18L	101986
EWVD22L	101994
EWVD28L	102001
EWVD35L	102008
EWVD42L	102014
EWVD06S	101952
EWVD08S	101958
EWVD10S	101965
EWVD12S	101972
EWVD14S	101975
EWVD16S	101982
EWVD20S	101991
EWVD25S	101997
EWVD30S	102005
EWVD38S	102011

Size	Article
EWVD-45°06L	207593
EWVD-45°08L	207594
EWVD-45°10L	207595
EWVD-45°12L	218352
EWVD-45°15L	207597
EWVD-45°18L	207598
EWVD-45°22L	207599
EWVD-45°28L	207600
EWVD-45°35L	207601
EWVD-45°42L	207602
EWVD-45°06S	207603
EWVD-45°08S	207604
EWVD-45°10S	207605
EWVD-45°12S	207606
EWVD-45°16S	207607
EWVD-45°20S	207608
EWVD-45°25S	207609
EWVD-45°30S	207610
EWVD-45°38S	207611

Made in Germany

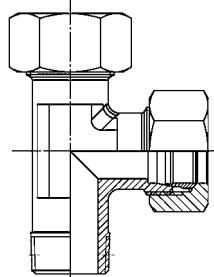
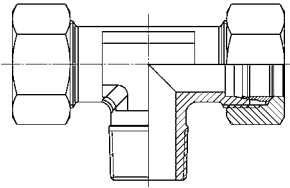
Size	Article
ELVD06L	101545
ELVD08L	101551
ELVD10L	101557
ELVD12L	101563
ELVD15L	101572
ELVD18L	101578
ELVD22L	101584
ELVD28L	101590
ELVD35L	101596
ELVD42L	101602
ELVD06S	101548
ELVD08S	101554
ELVD10S	101560
ELVD12S	101566
ELVD14S	101569
ELVD16S	101575
ELVD20S	101581
ELVD25S	101587
ELVD30S	101593
ELVD38S	101599

Size	Article
ETVD06L	101745
ETVD08L	101751
ETVD10L	101757
ETVD12L	101763
ETVD15L	101772
ETVD18L	101778
ETVD22L	101784
ETVD28L	101790
ETVD35L	101796
ETVD42L	101802
ETVD06S	101748
ETVD08S	101754
ETVD10S	101760
ETVD12S	101766
ETVD14S	101769
ETVD16S	101775
ETVD20S	101781
ETVD25S	101787
ETVD30S	101793
ETVD38S	101799

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TEV...L/S keg

LEV...L/S keg

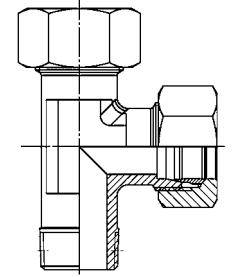
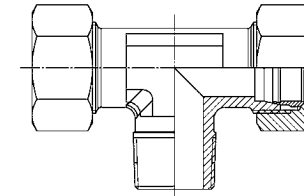


Size	Article	Size	Article
TEV04LLR1/8 keg.	104585	LEV04LLR1/8 keg.	103174
TEV06LLR1/8 keg.	104590	LEV06LLR1/8 keg.	103178
TEV08LLR1/8 keg.	104604	LEV08LLR1/8 keg.	103188
TEV06LR1/8 keg.	104594	LEV06LR1/8 keg.	103180
TEV08LR1/4 keg.	104608	LEV08LR1/4 keg.	103190
TEV10LR1/4 keg.	104620	LEV10LR1/4 keg.	103196
TEV12LR3/8 keg.	104634	LEV12LR3/8 keg.	103203
TEV15LR1/2 keg.	104650	LEV15LR1/2 keg.	103216
TEV18LR1/2 keg.	104660	LEV18LR1/2 keg.	103222
TEV06SR1/4 keg.	104599	LEV06SR1/4 keg.	103184
TEV08SR1/4 keg.	104612	LEV08SR1/4 keg.	103193
TEV10SR3/8 keg.	104626	LEV10SR3/8 keg.	103199
TEV12SR3/8 keg.	104640	LEV12SR3/8 keg.	103210
TEV14SR1/2 keg.	104645	LEV14SR1/2 keg.	103213
TEV16SR1/2 keg.	104655	LEV16SR1/2 keg.	103219

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TEV x NPT

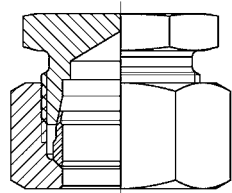
LEV...L/S NPT



Size	Article	Size	Article	Size	Article
TEV04LL1/8 NPT	104583	TEV06S1/4 NPT	104596	LEV04LL1/8 NPT	103712
TEV06LL1/8 NPT	104588	TEV08S1/4 NPT	104609	LEV06LL1/8 NPT	103176
TEV08LL1/8 NPT	104602	TEV10S1/4 NPT	104622	LEV08LL1/8 NPT	103186
TEV06L1/8 NPT	104587	TEV10S3/8 NPT	104623	LEV06L1/8 NPT	103175
TEV06L1/4 NPT	104586	TEV10S1/2 NPT	104621	LEV08L1/4 NPT	103185
TEV08L1/4 NPT	104600	TEV12S1/4 NPT	104637	LEV10L1/4 NPT	103194
TEV10L1/4 NPT	104613	TEV12S3/8 NPT	104638	LEV12L3/8 NPT	103200
TEV10L3/8 NPT	104615	TEV12S1/2 NPT	104635	LEV15L1/2 NPT	103214
TEV10L1/2 NPT	123922	TEV14S1/2 NPT	104641	LEV18L1/2 NPT	103220
TEV12L1/4 NPT	104629	TEV16S1/2 NPT	104651	LEV22L3/4 NPT	103226
TEV12L3/8 NPT	104630	TEV20S3/4 NPT	104661	LEV28L1 NPT	103233
TEV12L1/2 NPT	104628	TEV25S1 NPT	104670	LEV35L1.1/4 NPT	103239
TEV15L3/8 NPT	104647	TEV30S1.1/4 NPT	104676	LEV42L1.1/2 NPT	103245
TEV15L1/2 NPT	104646	TEV38S1.1/2 NPT	104682		
TEV18L1/2 NPT	104656			LEV06S1/4 NPT	103182
TEV22L3/4 NPT	104644			LEV08S1/4 NPT	103191
TEV28L1 NPT	104673			LEV10S3/8 NPT	103197
TEV35L1.1/4 NPT	104679			LEV12S3/8 NPT	103208
TEV42L1.1/2 NPT	104685			LEV14S1/2 NPT	103211
				LEV16S1/2 NPT	103217
				LEV20S3/4 NPT	103223
				LEV25S1 NPT	103230
				LEV30S1.1/4 NPT	103236
				LEV38S1.1/2 NPT	103242

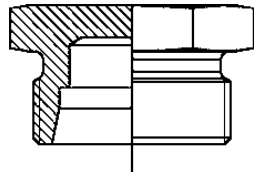
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METRIC TUBE CAP



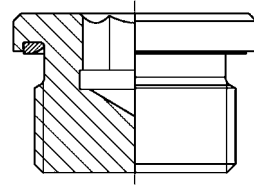
2

METRIC Tube Cap (Plug Only)



2

METRIC PLUG -WD



2

2	Article
EVS06L	126344
EVS08L	101807
EVS10L	126381
EVS12L	101808
EVS15L	101810
EVS18L	126382
EVS22L	101813
EVS28L	126666
EVS35L	126667
EVS42L	126668
EVS06S	126676
EVS08S	126686
EVS10S	126691
EVS12S	101809
EVS14S	126692
EVS16S	101811
EVS20S	101812
EVS25S	126693
EVS30S	106334
EVS38S	126694

* Plug, Nut & Olive.

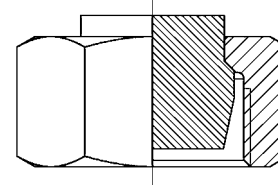
2	Article
06L	106321
08L	106322
10L	106324
12L	106326
15L	106328
18L	106330
22L	106332
28L	106320
35L	101806
42L	106336
06S	101805
08S	106323
10S	106325
12S	106327
14S	114172
16S	106329
20S	106331
25S	106333
30S	106335
38S	114494

2	Article
VSCHM8 x 1 WD	201386
VSCHM10 x 1 WD	105396
VSCHM12 x 1.5 WD	105398
VSCHM14 x 1.5 WD	105400
VSCHM16 x 1.5 WD	105402
VSCHM18 x 1.5 WD	105404
VSCHM20 x 1.5 WD	105406
VSCHM22 x 1.5 WD	105408
VSCHM26 x 1.5 WD	105410
VSCHM27 x 2 WD	125136
VSCHM33 x 2 WD	105414
VSCHM42 2 WD	105416
VSCHM48 x 2 WD	105418

* WD = Encapsulated Seal.

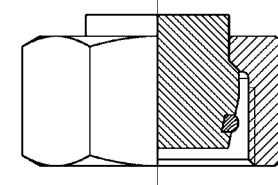
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METRIC



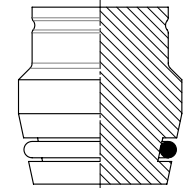
2

METRIC O-ring



2

METRIC Insert



2

2	Article
06L	204416
08L	204417
10L	204418
12L	204419
15L	204420
18L	204421
22L	204422
28L	204423
35L	204424
42L	204425
06S	204426
08S	204427
10S	204428
12S	204429
14S	204430
16S	204431
20S	204432
25S	204433
30S	204434
38S	204435

2	Article
VSTO-M 06L OD	204436
VSTO-M 08L OD	204437
VSTO-M 10L OD	204438
VSTO-M 12L OD	204439
VSTO-M 15L OD	204440
VSTO-M 18L OD	204441
VSTO-M 22L OD	204443
VSTO-M 28L OD	204444
VSTO-M 35L OD	204445
VSTO-M 42L OD	204446
VSTO-M 06S OD	204450
VSTO-M 08S OD	206571
VSTO-M 10S OD	206573
VSTO-M 12S OD	206574
VSTO-M 14S OD	206575
VSTO-M 16S OD	206576
VSTO-M 20S OD	206577
VSTO-M 25S OD	206578
VSTO-M 30S OD	206579
VSTO-M 38S OD	206580

2	Article
VSTO-OD 06L	105461
VSTO-OD 08L	105464
VSTO-OD 10L	105467
VSTO-OD 12L	105469
VSTO-OD 15L	105473
VSTO-OD 18L	105477
VSTO-OD 22L	105481
VSTO-OD 28L	105485
VSTO-OD 35L	105489
VSTO-OD 42L	105493
VSTO-OD 06S	105461
VSTO-OD 08S	105464
VSTO-OD 10S	105467
VSTO-OD 12S	105469
VSTO-OD 14S	105471
VSTO-OD 16S	105475
VSTO-OD 20S	105479
VSTO-OD 25S	105483
VSTO-OD 30S	105487
VSTO-OD 38S	105491

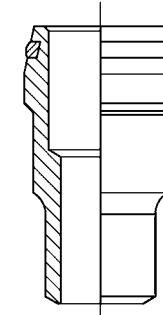
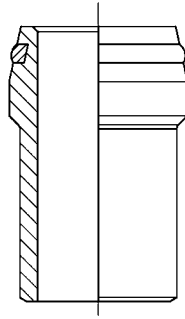
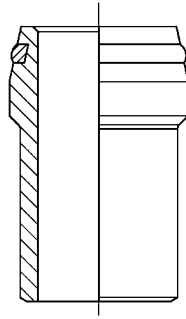
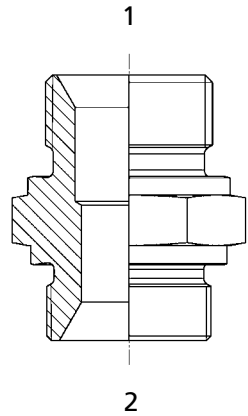
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BSP x METRIC

SKA...L

SKA...S

SKR



1	2	Article
1/2	- M 22x1,5	125211
1/2	- M 26x1,5	125212
3/4	- M 26x1,5	125213
3/4	- M 30x1,5	100112
1	- M 30x1,5	125214
1	- M 38x1,5	125215
1.1/4	- M 38x1,5	125216
1.1/4	- M 45x1,5	125217
1.1/2	- M 45x1,5	125218
1.1/2	- M 52x1,5	125219
2	- M 65x2	125220

Size	Article
SKA06L/Sx1.5	104366
SKA08L/Sx1.5	104367
SKA08L/Sx2	104368
SKA10L/Sx1.5	104370
SKA10L/Sx2	104371
SKA12L/Sx1.5	104373
SKA12L/Sx2	104374
SKA12L/Sx2.5	104375
SKA15Lx2	104378
SKA15Lx2.5	104379
SKA18Lx2.5	104386
SKA22Lx2.5	104393
SKA28Lx2.5	104400
SKA28Lx3	104401
SKA35Lx3.5	104408
SKA35Lx4	104409
SKA42Lx3	104417
SKA42Lx4	104418

Size	Article
SKA14Sx2	104376
SKA14Sx3	104377
SKA16Sx2	104382
SKA16Sx2.5	104383
SKA16Sx3	104384
SKA20Sx2	104387
SKA20Sx2.5	104388
SKA20Sx3	104389
SKA20Sx3.5	104390
SKA20Sx4	104391
SKA25Sx3	104395
SKA25Sx4	104397
SKA25Sx5	104398
SKA30Sx3	104404
SKA30Sx4	104405
SKA30Sx5	104406
SKA30Sx6	104407
SKA38Sx4	104412
SKA38Sx5	104413
SKA38Sx6	104414
SKA38Sx7	104415

Size	Article
SKR08-06x1.5	204315
SKR10-06x1.5	204317
SKR10-08x1.5	204319
SKR10-08x2	204321
SKR12-08x1.5	204323
SKR12-08x2	204325
SKR12-10x1.5	204327
SKR16-10x2	204329
SKR16-12x1.5	204331
SKR16-12x2	125138
SKR16-12x2.5	125139
SKR20-12x1.5	204333
SKR20-12x2	204335
SKR20-12x2.5	204337
SKR20-12x3	204340
SKR20-16x2	125141
SKR20-16x2.5	204342
SKR20-16x3	204343
SKR25-12x1.5	204345
SKR25-12x2	204347
SKR25-12x2.5	204349
SKR25-12x3	204351
SKR25-16x2	201824
SKR25-16x2.5	204353
SKR25-16x3	204354
SKR25-20x2	204356

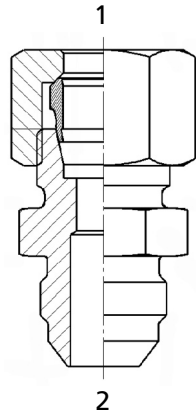
Size	Article
SKR25-20x2.5	125144
SKR25-20x3	204358
SKR25-20x4	125145
SKR30-12x1.5	204361
SKR30-12x2	201923
SKR30-12x3	204364
SKR30-16x2	204366
SKR30-16x2.5	204368
SKR30-20x2	204370
SKR30-20x2.5	202668
SKR30-20x3	204372
SKR30-20x4	204374
SKR30-25x2.5	204376
SKR30-25x3	125148
SKR30-25x4	204379
SKR38-12x1.5	204380
SKR38-12x2	204382
SKR38-12x3	204385
SKR38-16x2	204386
SKR38-16x2.5	204388
SKR38-16x3	201088
SKR38-20x2	204390
SKR38-20x2.5	201178
SKR38-20x3	204393
SKR38-20x4	204397
SKR38-25x2.5	204398

Size	Article
SKR38-25x3	201040
SKR38-25x4	204401
SKR38-30x3	204403
SKR38-30x4	201038
SKR38-30x5	125151

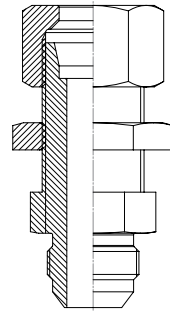
Made in Germany

Made in Germany

METRIC x JIC



JIC x METRIC BH



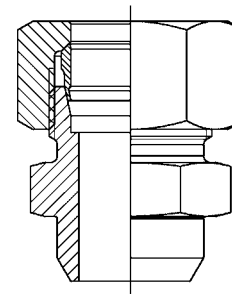
1	2	Article
06L	7/16	218974
06L	9/16	219023
08L	7/16	240011
08L	1/2	219017
08L	9/16	218997
10L	7/16	219024
10L	9/16	218998
10L	3/4	218999
12L	9/16	218976
12L	3/4	218975
15L	7/8	219000
15L	1.1/16	219001
18L	7/8	219020
18L	1.1/16	219002
22L	1.1/16	219016
22L	1.5/16	219003
28L	3/4	239699
28L	1.5/16	219004
35L	1.1/16	218983
35L	1.5/16	218985
35L	1.5/8	218984
42L	1.7/8	219022

1	2	Article
06S	7/16	219005
08S	1/2	219018
08S	7/16	240905
08S	9/16	219006
10S	9/16	219007
10S	3/4	219008
12S	9/16	230742
12S	3/4	219009
14S	7/8	219019
16S	3/4	231433
16S	7/8	219010
16S	1.1/16	219011
20S	3/4	218979
20S	1.1/16	218977
20S	1.5/16	218978
25S	3/4	218980
25S	1.1/16	231431
25S	1.5/16	219012
30S	1.1/16	218981
30S	1.5/16	218982
30S	1.5/8	219013
38S	1.7/8	219021

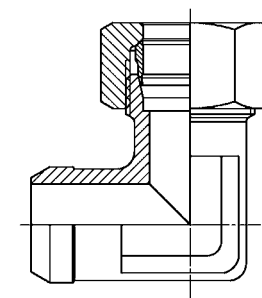
Dash	Size	Article
-20S-12	20S - 1.1/16	219221
-30S-16	30S - 1.5/16	218986
-35L-20	35L - 1.5/8	218987

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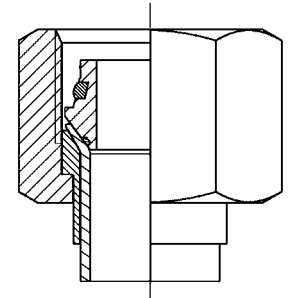
GASV...L/S



WASV...L/S



BO-SET...L/S



Size	Article
GASV06L	102137
GASV08L	102138
GASV10L	102141
GASV12L	102143
GASV15L	102146
GASV18L	102148
GASV22L	102150
GASV28L	102152
GASV35L	102154
GASV42L	102156
GASV06S	102139
GASV08S	102140
GASV10S	102142
GASV12S	102144
GASV14S	102145
GASV16S	102147
GASV20S	102149
GASV25S	102151
GASV30S	102153
GASV38S	102155

Size	Article
WASV06L	105499
WASV08L	105501
WASV10L	105503
WASV12L	105505
WASV15L	105508
WASV18L	105510
WASV22L	105512
WASV28L	105514
WASV35L	105516
WASV42L	105518
WASV06S	105500
WASV08S	105502
WASV10S	105504
WASV12S	105506
WASV14S	105507
WASV16S	105509
WASV20S	105511
WASV25S	105513
WASV30S	105515
WASV38S	105517

Size	Article
BO-SET06L	126669
BO-SET08L	126670
BO-SET10L	126671
BO-SET12L	126672
BO-SET15L	126673
BO-SET18L	126674
BO-SET22L	126675
BO-SET28L	126677
BO-SET35L	126678
BO-SET42L	126679
BO-SET06S	126680
BO-SET08S	126681
BO-SET10S	126682
BO-SET12S	126683
BO-SET14S	126684
BO-SET16S	126685
BO-SET20S	126687
BO-SET25S	126688
BO-SET30S	126689
BO-SET38S	126690

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BKR...L/S

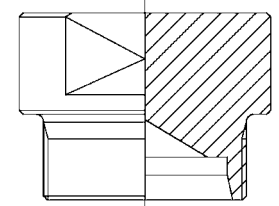
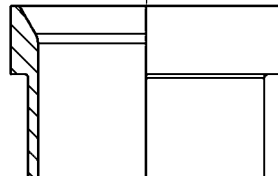
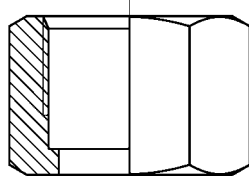
B-M...L/S

B-DH...L/S

**WD
BSPP**

**WD
METRIC**

**PRE-INSTALLATION
DIES**



Size	Article
B-KR06L	100942
B-KR08L	100945
B-KR10L	100947
B-KR12L	100950
B-KR15L	100955
B-KR18L	100958
B-KR22L	100961
B-KR28L	100964
B-KR35L	100967
B-KR42L	100970
B-KR06S	100942
B-KR08S	100945
B-KR10S	100947
B-KR12S	100950
B-KR14S	100953
B-KR16S	100956
B-KR20S	100959
B-KR25S	100962
B-KR30S	100965
B-KR38S	100968

Size	Article
B-M06L	100971
B-M08L	100975
B-M10L	100978
B-M12L	100982
B-M15L	100987
B-M18L	100990
B-M22L	100991
B-M28L	100995
B-M35L	100998
B-M42L	101001
B-M06S	100973
B-M08S	100976
B-M10S	100980
B-M12S	100984
B-M14S	100987
B-M16S	100988
B-M20S	100991
B-M25S	100993
B-M30S	100996
B-M38S	100999

Size	Article
B-DH06L	100902
B-DH08L	100905
B-DH10L	100907
B-DH12L	100911
B-DH15L	100916
B-DH18L	100919
B-DH22L	100922
B-DH28L	100925
B-DH35L	100928
B-DH42L	100931
B-DH06S	100902
B-DH08S	100905
B-DH10S	100907
B-DH12S	100911
B-DH14S	100914
B-DH16S	100917
B-DH20S	100920
B-DH25S	100923
B-DH30S	100926
B-DH38S	100929

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Size	Article
R 1/8	114861
R 1/4	105522
R 3/8	105533
R 1/2	105531
R 3/4	105527
R 1	105528
R 1.1/4	105529
R 1.1/2	105530
R 2	129623

Size	Article
M8x1.0	105519
M10x1.0	114861
M12x1.5	105521
M14x1.5	105522
M16x1.5	105523
M18x1.5	105524
M 20x1.5	105525
M22x1.5	105526
M26x1.5	105527
M33x2.0	105528
M42x2.0	105529
M48x2.0	105530

Size	Article
VM-S04LL	105203
VM-S06LL	105205
VM-S08LL	105208
VM-S10LL	105211
VM-S12LL	122490
VM-S06L	105204
VM-S08L	105207
VM-S10L	105210
VM-S12L	105213
VM-S15L	105216
VM-S18L	105218
VM-S22L	105220
VM-S28L	105222
VM-S35L	105224
VM-S42L	105226
VM-S06S	105206
VM-S08S	105209
VM-S10S	105212
VM-S12S	105214
VM-S14S	105215
VM-S16S	105217
VM-S20S	105219
VM-S25S	105221
VM-S30S	105223
VM-S38S	105225

Made in Germany

**Bonded Seal
KD-PTFE**



**Bonded Seal
Viton**



**BSPP-Captive O-ring
Viton**



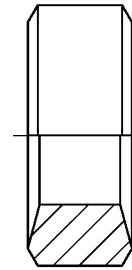
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KD-PTFE-1/8	126711
KD-PTFE-1/4	126712
KD-PTFE-3/8	126713
KD-PTFE-1/2	126714
KD-PTFE-3/4	126715
KD-PTFE-1	126716
KD-PTFE-1.1/4	126717
KD-PTFE-1.1/2	126718
KD-PTFE-M 10	207957
KD-PTFE-M 12	207958
KD-PTFE-M 14	207959
KD-PTFE-M 16	207960
KD-PTFE-M 18	207961
KD-PTFE-M 20	207962
KD-PTFE-M 22	207963
KD-PTFE-M 26	207964
KD-PTFE-M 27	207965
KD-PTFE-M 33	207966
KD-PTFE-M 42	207967
KD-PTFE-M 48	207968

Size	Article
KD-V-1/8	207167
KD-V-1/4	101138
KD-V-3/8	101139
KD-V-1/2	203358
KD-V-5/8	207168
KD-V-3/4	203359
KD-V-1	101121
KD-V-1.1/4	203360
KD-V-1.1/2	203361
KD-V-2	206993
KD-V-M 6	400001
KD-V-M 8	207150
KD-V-M 10	207151
KD-V-M 12	207152
KD-V-M 14	207153
KD-V-M 16	207154
KD-V-M 18	207155
KD-V-M 20	207156
KD-V-M 22	207157
KD-V-M 24	207158
KD-V-M 26	207159
KD-V-M 30	207160
KD-V-M 36	207161
KD-V-M 42	207162
KD-V-M 52	207163

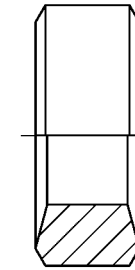
Size	Article
1/8	207025
1/4	203493
3/8	203494
1/2	207026
3/4	203495
1	207027
1.1/4	207028
1.1/2	207029
2	133122

Made in Germany

DKRA



DKRI



GM



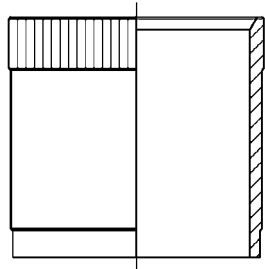
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DKRA-1/8	101123
DKRA-1/4	101120
DKRA-3/8	101125
DKRA-1/2	101119
DKRA-3/4	101124
DKRA-1	101118
DKRA-1.1/4	101116
DKRA-1.1/2	101117
DKRA-M 10	101102
DKRA-M 12	101103
DKRA-M 14	101105
DKRA-M 16	101107
DKRA-M 18	101110
DKRA-M 20	101111
DKRA-M 22	101112
DKRA-M 26	101113
DKRA-M 27	101114
DKRA-M 33	101115
DKRA-M 42	101116
DKRA-M 48	101117

Size	Article
DKRI-1/4	101144
DKRI-3/8	101145
DKRI-1/2	101142
DKRI-M 20x1,5	101141

Size	Article
GM06L	102792
GM08L	102793
GM10L	102794
GM12L	102796
GM15L	102800
GM18L	102803
GM22L	102804
GM28L	102805
GM35L	102807
GM42L	102808
GM06S	102793
GM08S	102794
GM10S	102796
GM12S	102798
GM14S	102800
GM16S	102802
GM20S	102804
GM25S	102805
GM30S	102806
GM38S	102808

Made in Germany

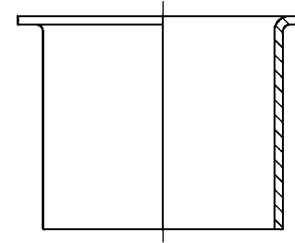
VS-H



Size	Article	Size	Article
VS-H04	105431	VS-H27	207998
VS-H04,5	105432	VS-H30	105453
VS-H05	105433	VS-H31	105454
VS-H06	105434	VS-H32	105455
VS-H06,5	105458	VS-H33	150456
VS-H07	105435	VS-H34	207999
VS-H08	105436	VS-H38	105457
VS-H09	105437	VS-H39	208000
VS-H10	105438		
VS-H10,5	207995		
VS-H11	207996		
VS-H12	105439		
VS-H13	105440		
VS-H14	105441		
VS-H15	105442		
VS-H16	105443		
VS-H17	105444		
VS-H18	105445		
VS-H19	105446		
VS-H20	105447		
VS-H21	207997		
VS-H22	105448		
VS-H23	105449		
VS-H24	105450		
VS-H25	105451		
VS-H26	105452		

Made in Germany

ES-H



Size	Article
ESH 4 / 2.0	101610
ESH 4 / 2.5	207915
ESH 4 / 3.0	207916
ESH 5 / 3.0	207917
ESH 5 / 4.0	207918
ESH 6 / 3.0	207919
ESH 6 / 4.0	207920
ESH 6 / 4.5	207921
ESH 6 / 5.0	207922
ESH 8 / 5.0	207174
ESH 8 / 6.0	101613
ESH 8 / 7.0	207923
ESH 10 / 7.0	204314
ESH 10 / 8.0	101606
ESH 10 / 9.0	207924
ESH 12 / 9.0	101608
ESH 12 / 10.0	101607
ESH 12 / 10.4	207925
ESH 14 / 12.0	207926
ESH 15 / 12.0	101609
ESH 15 / 13.0	207927
ESH 16 / 14.0	207928
ESH 18 / 14.0	207929
ESH 18 / 15.0	207930
ESH 18 / 16.0	207931
ESH 22 / 19.0	207932
ESH 22 / 20.0	207933

Made in Germany

Viton O-Ring



Size	Article
ODR4x1.5V	103343
ODR6x1.5V	103347
ODR7.5x1.5V	103352
ODR9x1.5V	103357
ODR12x2V	103369
ODR15x2V	103378
ODR20x2V	103391
ODR26x2V	103401
ODR32x2.5V	103410
ODR38x2.5V	103415
ODR4x1.5V	103343
ODR6x1.5V	103347
ODR7.5x1.5V	103352
ODR9x1.5V	103357
ODR10x2V	103365
ODR12x2V	103369
ODR16.3x2.4V	103382
ODR20.3x2.4V	103392
ODR25.3x2.4V	103399
ODR33.3x2.4V	103411



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COMMON NAME	HOSE TYPE	FERRULE	PAGE
1 FABRIC BRAID	2 TE - EN 854	N - P F 4	67
2 FABRIC BRAID	3 TE - EN 854	N - P F 4	67
1 WIRE SKIVE	1 ST - EN 853 SAE 100 R1A	N - P F 1	66
2 WIRE SKIVE	2 ST - EN 853 SAE 100 R2A	N - P F 2	66
1 WIRE NON-SKIVE	1 SN - EN 853 SAE 100 R1AT	N - P F 3	66
2 WIRE NON-SKIVE	2 SN - EN 853 SAE 100 R2AT	N - P F 3	66-67
		N - P F11	
1 WIRE COMPACT	1 SC - EN 857	N - P F 17	68
2 WIRE COMPACT	2 SC - EN 857	N - P F 3	66
PTFE - Smooth Bore	SAE 100 R14	N - P F 7	68
PTFE - Convoluted	-	N - P F 9	68
THERMO PLASTIC	R 7 - EN 855 SAE 100 R7	N - P F 8	69
THERMO PLASTIC	R 8 - EN 858 SAE 100 R8	N - P F 18	69
MULTI-SPIRAL	4 SP - EN 856	N - P F 5	67
MULTI-SPIRAL	4 SH - EN 856	P F I - 4SH	70
MULTI-SPIRAL	R 13 - EN 856	P F I - R13	70
MULTI-SPIRAL	SAE 100 R 15	P F I - R15	70

1 Wire Skive
1 ST - EN 853
SAE 100 R1A

2 Wire Skive
2 ST - EN 853
SAE 100 R2A

2 Wire Compact
2 SC - EN 857

1 Wire - Non Skive
1 SN - EN 853
SAE 100 R1AT

2 Wire - Non Skive
2 SN - EN 853
SAE 100 R2AT

1 & 2 Textile Braid
2 TE - EN 854
3 TE - EN 854

Multispiral
External Skive
4 SP - EN 856
R9R-EN856

N-PF 1

N-PF 2

N-PF 3

N-PF 3 / N-PF 11

N-PF 4

N-PF 5

Size	Article
3/16	200715
1/4	200716
5/16	200717
3/8	200718
1/2	200719
5/8	200720
3/4	200721
1	200722
1.1/4	200723
1.1/2	200724
2	200725

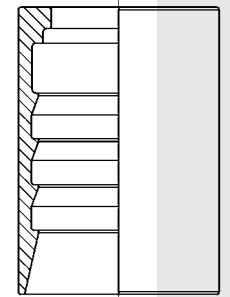
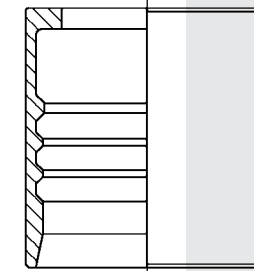
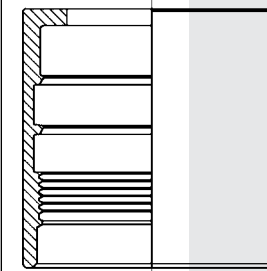
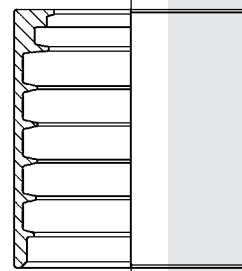
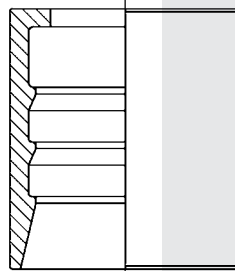
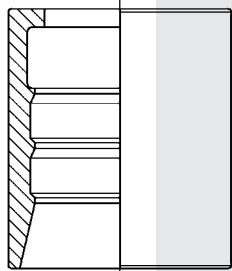
Size	Article
3/16	200726
1/4	200727
5/16	200728
3/8	200729
1/2	200730
5/8	200732
3/4	200741
1	200742
1.1/4	200743
1.1/2	200744
2	200745

Size	Article
1/4	200747
5/16	200748
3/8	200749
1/2	200750
5/8	200752
3/4	200753
1	200754
1.1/4	200755
1.1/2	200756
2	200757

Size	Article
1/4	200747
5/16	200748
3/8	200749
1/2	200750
5/8	200752
3/4	200753
1	200754
1.1/4	200759
1.1/2	200760
2	200761

Size	Article
1/4	200762
5/16	200763
3/8	200764
1/2	200766
5/8	200767
3/4	200768
1	200769
1.1/4	200770
1.1/2	200771
2	200745

Size	Article
1/4	200772
3/8	200773
1/2	200774
5/8	200775
3/4	200776
1	200777
1.1/4	200778
1.1/2	200779
2	200780



15C- EN 857
ISO 11237-1

1 Wire Compact
Non Skive Hose

Smooth Bore PTFE
SAE 100 R14

Convolutd PTFE

Thermoplastic
R7-EN855
SAE 100 R7

Thermoplastic
R8-EN855
SAE 100 R8
ZEC

Thermoplastic
R8-EN855
SAE 100 R8
GATES

N-PF 17

N-PF 7

N-PF 9

N-PF 8

N-PF 8

N-PF 18

Size	Article
1/4	221730
5/16	221733
3/8	221418
1/2	221735
5/8	221419
3/4	221736
1	221737

Size	Article
3/16	200787
1/4	200788
5/16	200789
3/8	200790
1/2	200791
5/8	200792
3/4	200793
1	200794

Size	Article
1/4	200812
3/8	200813
1/2	200814
5/8	200815
3/4	200021
1	200802
1.1/4	200816
1.1/2	208168
2	208169

Size	Article
3/16	200795
1/4	200796
5/16	200797
3/8	200798
1/2	209679
5/8	209680
3/4	209681
1	209682

Size	Article
1/8	224734
3/16	200795
1/4	200796
5/16	200797
3/8	200798
1/2	209679
5/8	209680
3/4	209681
1	209682

Size	Article
1/8	224734
3/16	224469
1/4	224470
5/16	224471
3/8	224472
1/2	224473
5/8	224474
3/4	224475
1	224476

INTERLOCK FERRULES

Multispiral
Internal & External Skive
4 SH - EN 856

Multispiral
Internal & External Skive
R 13 - EN 856

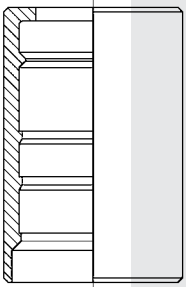
Multispiral
Internal & External Skive
R 15 - EN 856

PFI-4 SH

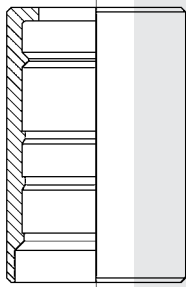
PFI-R 13

PFI-R 15

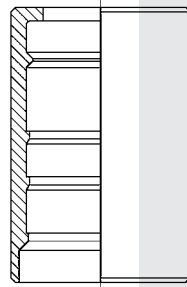
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1.1/2	114464
2	114465



Size	Article
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1.1/2	114470
2	114473

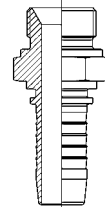
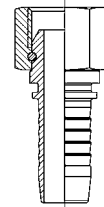
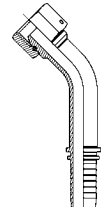
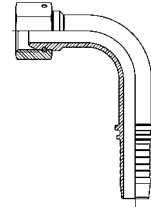
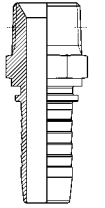
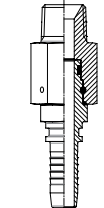
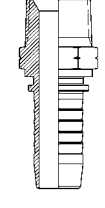
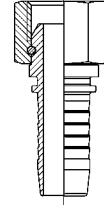
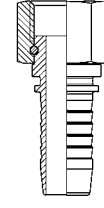
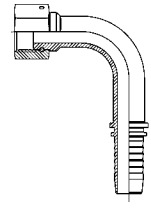
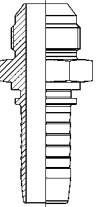
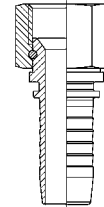
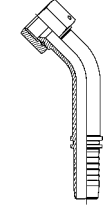
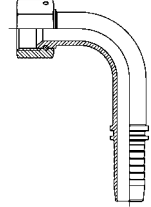


Size	Article
3/4	114471
1	114472
1.1/4	114469
1.1/2	114470



Made in Germany

FOR HOSE TYPES: 1 & 2 WIRE BRAID, THERMOPLASTIC, TEXTILE BRAID,
SAE 100 R6, SMOOTH BORE & CONVOLUTED PTFE and 4SP MULTISPIRAL

BSPP	 p. 76	 p. 75	 p. 75	 p. 75
BSPT/ BSPT Live Swivel	 p. 76	 p. 77		
NPT/ NPSM/ BSPP Flat Face	 p. 79	 p. 79	 p. 78	 p. 78
JIC	 p. 79	 p. 80	 p. 80	 p. 80

Made in Germany

FOR HOSE TYPES: 1 & 2 WIRE BRAID, THERMOPLASTIC, TEXTILE BRAID, SAE 100 R6, SMOOTH BORE & CONVOLUTED PTFE and 4SP MULTISPIRAL

ORFS/ SAE				
	p. 77	p. 77		
CODE 61 / CODE 62				
	p. 81-82	p. 81-82	p. 81-82	
Pushlock BSP/JIC				
	p. 89	p. 89	p. 90	p. 90
KA/ Tube Weld/ Hose Joiner				
	p. 90	p. 90	p. 90	

Made in Germany

FOR HOSE TYPES: 1 & 2 WIRE BRAID, THERMOPLASTIC, TEXTILE BRAID, SAE 100 R6, SMOOTH BORE & CONVOLUTED PTFE and 4SP MULTISPIRAL

Metric Male/ DKL- DKS				
	p. 86	p. 83	p. 83	p. 83
Metric DKOL				
	p. 84	p. 84	p. 84	
Metric DKOS				
	p. 85	p. 85	p. 85	
Metric/ Imperial Stand- pipe Banjo				
	p. 86-87	p. 87	p. 91	p. 91

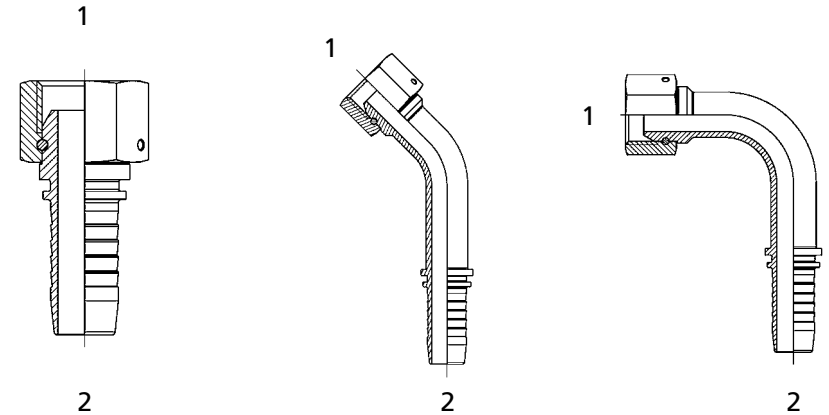
Made in Germany

FOR HOSE TYPES: MULTI SPIRAL TYPE HOSE
4SH, R13, R15

BSPP Interlock				
	p. 97	p. 92	p. 92	p. 92
	DKO Interlock			
		p. 96	p. 96	p. 96
JIC/ NPT Interlock				
	p. 93	p. 93	p. 93	p. 97
	CODE 61 / CODE 62 Interlock			
		p. 94-95	p. 94-95	p. 94-95

Made in Germany

BSPP Female



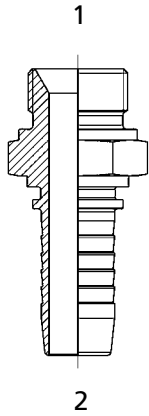
Dash	1	2	Article
-2-3	1/8	- 3/16	222364
-4-3	1/4	- 3/16	222365
-2-4	1/8	- 1/4	208170
-4-4	1/4	- 1/4	200667
-6-4	3/8	- 1/4	200642
-4-5	1/4	- 5/16	201999
-6-5	3/8	- 5/16	200951
-8-5	1/2	- 5/16	222209
-4-6	1/4	- 3/8	201494
-6-6	3/8	- 3/8	200952
-8-6	1/2	- 3/8	201495
-6-8	3/8	- 1/2	201496
-8-8	1/2	- 1/2	200645
-10-8	5/8	- 1/2	222210
-12-8	3/4	- 1/2	201498
-8-10	1/2	- 5/8	201499
-10-10	5/8	- 5/8	201500
-12-10	3/4	- 5/8	201501
-8-12	1/2	- 3/4	208171
-12-12	3/4	- 3/4	200619
-16-12	1	- 3/4	201342
-16-16	1	- 1	200669
-20-16	1.1/4	- 1	201502
-20-20	1.1/4	- 1.1/4	201504
-24-20	1.1/2	- 1.1/4	201503
-24-24	1.1/2	- 1.1/2	201140
-32-32	2	- 2	201505

Dash	1	2	Article
-2-3	1/8	- 3/16	222366
-4-3	1/4	- 3/16	222367
-2-4	1/8	- 1/4	208172
-4-4	1/4	- 1/4	206794
-6-4	3/8	- 1/4	208173
-4-5	1/4	- 5/16	208175
-6-5	3/8	- 5/16	202166
-4-6	1/4	- 3/8	208176
-6-6	3/8	- 3/8	208177
-8-6	1/2	- 3/8	208178
-6-8	3/8	- 1/2	208179
-8-8	1/2	- 1/2	206792
-10-8	5/8	- 1/2	222211
-12-8	3/4	- 1/2	206854
-8-10	1/2	- 5/8	208181
-10-10	5/8	- 5/8	224636
-12-10	3/4	- 5/8	208182
-8-12	1/2	- 3/4	208183
-12-12	3/4	- 3/4	206791
-16-12	1	- 3/4	208184
-16-16	1	- 1	208185
-20-16	1.1/4	- 1	208187
-20-20	1.1/4	- 1.1/4	208545
-24-20	1.1/2	- 1.1/4	208188
-24-24	1.1/2	- 1.1/2	208189
-32-32	2	- 2	208190

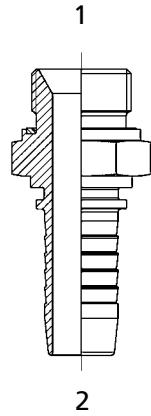
Dash	1	2	Article
-2-3	1/8	- 3/16	222368
-4-3	1/4	- 3/16	222369
-2-4	1/8	- 1/4	208174
-4-4	1/4	- 1/4	206778
-6-4	3/8	- 1/4	202164
-4-5	1/4	- 5/16	202160
-6-5	3/8	- 5/16	202168
-4-6	1/4	- 3/8	202162
-6-6	3/8	- 3/8	200997
-8-6	1/2	- 3/8	202170
-6-8	3/8	- 1/2	206853
-8-8	1/2	- 1/2	201544
-12-8	3/4	- 1/2	202211
-8-10	1/2	- 5/8	202184
-10-10	5/8	- 5/8	202188
-12-10	3/4	- 5/8	202283
-8-12	1/2	- 3/4	208192
-12-12	3/4	- 3/4	202284
-16-12	1	- 3/4	202285
-16-16	1	- 1	202286
-20-16	1.1/4	- 1	202287
-20-20	1.1/4	- 1.1/4	202288
-24-20	1.1/2	- 1.1/4	208193
-24-24	1.1/2	- 1.1/2	202289
-32-32	2	- 2	202290

Made in Germany

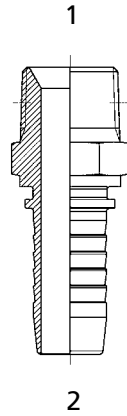
BSPP



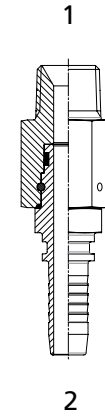
BSPP-WD



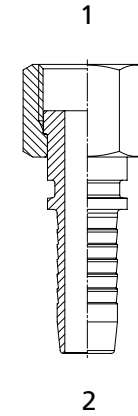
BSPT



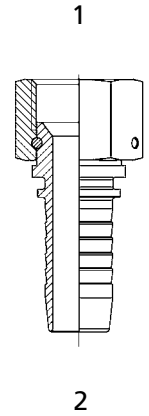
BSPT Live Swivel



ORFS Female



SAE Female



Dash	1	2	Article
-2-3	1/8	- 3/16	222381
-4-3	1/4	- 3/16	222382
-2-4	1/8	- 1/4	202080
-4-4	1/4	- 1/4	200672
-4-5	1/4	- 5/16	202081
-6-5	3/8	- 5/16	201083
-4-6	1/4	- 3/8	202082
-6-6	3/8	- 3/8	200841
-8-6	1/2	- 3/8	202084
-6-8	3/8	- 1/2	202083
-8-8	1/2	- 1/2	200673
-8-10	1/2	- 5/8	201796
-12-10	3/4	- 5/8	202085
-12-12	3/4	- 3/4	200674
-16-12	1	- 3/4	202086
-16-16	1	- 1	200675
-20-12	1.1/4	- 1	202087
-20-20	1.1/4	- 1.1/4	202088
-24-20	1.1/2	- 1.1/4	202089
-24-24	1.1/2	- 1.1/2	201111
-32-32	2	- 2	202090

Dash	1	2	Article
-2-4	1/8WD	- 1/4	208232
-4-4	1/4WD	- 1/4	208306
-4-5	1/4WD	- 5/16	208307
-6-5	3/8WD	- 5/16	208308
-4-6	1/4WD	- 3/8	208309
-6-6	3/8WD	- 3/8	208310
-8-6	1/2WD	- 3/8	208311
-6-8	3/8WD	- 1/2	208312
-8-8	1/2WD	- 1/2	208313
-8-10	1/2WD	- 5/8	208314
-12-10	3/4WD	- 5/8	208315
-12-12	3/4WD	- 3/4	208316
-16-12	1WD	- 3/4	208317
-16-16	1WD	- 1	208318
-20-12	1.1/4WD	- 1	208319
-20-20	1.1/4WD	- 1.1/4	208320
-24-20	1.1/2WD	- 1.1/4	208321
-24-24	1.1/2WD	- 1.1/2	208322
-32-32	2WD	- 2	208323

* WD = Encapsulated Seal.

Made in Germany

Dash	1	2	Article
-2-4	1/8	- 1/4	202107
-4-4	1/4	- 1/4	200676
-6-4	3/8	- 1/4	206954
-6-5	3/8	- 5/16	202108
-4-6	1/4	- 3/8	206955
-6-6	3/8	- 3/8	200982
-8-6	1/2	- 3/8	202109
-6-8	3/8	- 1/2	206956
-8-8	1/2	- 1/2	200677
-12-8	3/4	- 1/2	202112
-8-10	1/2	- 5/8	202110
-10-10	5/8	- 5/8	202111
-12-10	3/4	- 5/8	202113
-8-12	1/2	- 3/4	240569
-12-12	3/4	- 3/4	200678
-16-12	1	- 3/4	202114
-16-16	1	- 1	200679
-20-16	1.1/4	- 1	237672
-20-20	1.1/4	- 1.1/4	200680
-24-24	1.1/2	- 1.1/2	202510
-32-32	2	- 2	202115

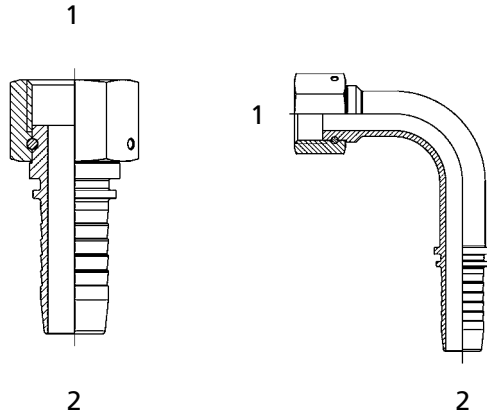
Dash	1	2	Article
-6-6	3/8	- 3/8	236622
-8-8	1/2	- 1/2	236620
-12-12	3/4	- 3/4	236618

Dash	1	2	Article
-4-4	9/16	- 1/4	232314
-6-4	11/16	- 1/4	232315
-6-5	11/16	- 5/16	232316
-6-6	11/16	- 3/8	232317
-8-6	13/16	- 3/8	232318
-8-8	13/16	- 1/2	232242
-10-8	1	- 1/2	232319
-10-10	1	- 5/8	232320
-10-12	1	- 3/4	232321
-12-8	1.3/16	- 1/2	232322
-12-10	1.3/16	- 5/8	232323
-12-12	1.3/16	- 3/4	232324
-16-12	1.7/16	- 3/4	232325
-16-16	1.7/16	- 1	232326

Made in Germany

Dash	1	2	Article
-6-6	5/8	- 3/8	236682

BSPP Female Flat Face

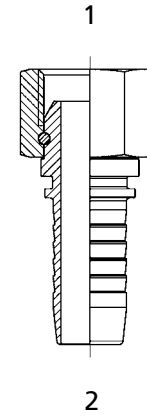


Dash	1	2	Article
-2-3	1/8	- 3/16	222370
-4-3	1/4	- 3/16	222371
-2-4	1/8	- 1/4	208180
-4-4	1/4	- 1/4	208194
-6-4	3/8	- 1/4	208195
-4-5	1/4	- 5/16	208196
-6-5	3/8	- 5/16	208197
-4-6	1/4	- 3/8	208198
-6-6	3/8	- 3/8	201497
-8-6	1/2	- 3/8	208199
-6-8	3/8	- 1/2	208200
-8-8	1/2	- 1/2	200682
-12-8	3/4	- 1/2	208201
-8-10	1/2	- 5/8	208202
-12-10	3/4	- 5/8	201343
-8-12	1/2	- 3/4	208203
-12-12	3/4	- 3/4	208204
-16-12	1	- 3/4	201344
-16-16	1	- 1	208205
-20-16	1.1/4	- 1	208206
-24-20	1.1/2	- 1.1/4	208207
-24-24	1.1/2	- 1.1/2	208208
-32-32	2	- 2	208209

Dash	1	2	Article
-2-4	1/8	- 1/4	208186
-4-4	1/4	- 1/4	208210
-6-4	3/8	- 1/4	208211
-4-5	1/4	- 5/16	208212
-6-5	3/8	- 5/16	208213
-4-6	1/4	- 3/8	208214
-6-6	3/8	- 3/8	208215
-8-6	1/2	- 3/8	208216
-6-8	3/8	- 1/2	208217
-8-8	1/2	- 1/2	208218
-12-8	3/4	- 1/2	208219
-8-10	1/2	- 5/8	208220
-12-10	3/4	- 5/8	208221
-8-12	1/2	- 3/4	208222
-12-12	3/4	- 3/4	208223
-16-12	1	- 3/4	208224
-16-16	1	- 1	208225
-20-16	1.1/4	- 1	208226
-24-20	1.1/2	- 1.1/4	208227
-24-24	1.1/2	- 1.1/2	208228
-32-32	2	- 2	208229

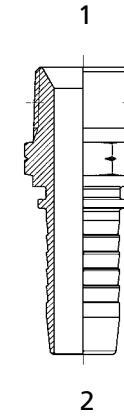
Made in Germany

NPSM



Dash	1	2	Article
-4-4	1/4	- 1/4	212867
-6-4	3/8	- 1/4	212868
-4-6	1/4	- 3/8	212863
-6-6	3/8	- 3/8	212864
-8-6	1/2	- 3/8	212865
-6-8	3/8	- 1/2	212869
-8-8	1/2	- 1/2	212870
-12-8	3/4	- 1/2	212871
-12-10	3/4	- 5/8	212873
-8-12	1/2	- 3/4	212874
-12-12	3/4	- 3/4	212875
-16-12	1	- 3/4	212876
-16-16	1	- 1	212877
-20-16	1.1/4	- 1	212878
-20-20	1.1/4	- 1.1/4	212879
-24-24	1.1/2	- 1.1/2	212881
-32-32	2	- 2	212882

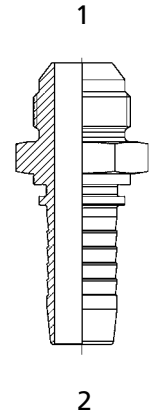
NPT



Dash	1	2	Article
-2-4	1/8	- 1/4	202030
-4-4	1/4	- 1/4	202031
-6-4	3/8	- 1/4	202034
-4-5	1/4	- 5/16	202032
-6-5	3/8	- 5/16	202035
-4-6	1/4	- 3/8	206957
-6-6	3/8	- 3/8	202036
-8-6	1/2	- 3/8	202037
-4-8	1/4	- 1/2	202033
-8-8	1/2	- 1/2	202038
-12-10	3/4	- 5/8	202039
-12-12	3/4	- 3/4	200620
-16-12	1	- 3/4	202040
-16-16	1	- 1	202041
-20-20	1.1/4	- 1.1/4	202042
-16-24	1	- 1.1/2	235727
-24-24	1.1/2	- 1.1/2	202043
-32-32	2	- 2	202044

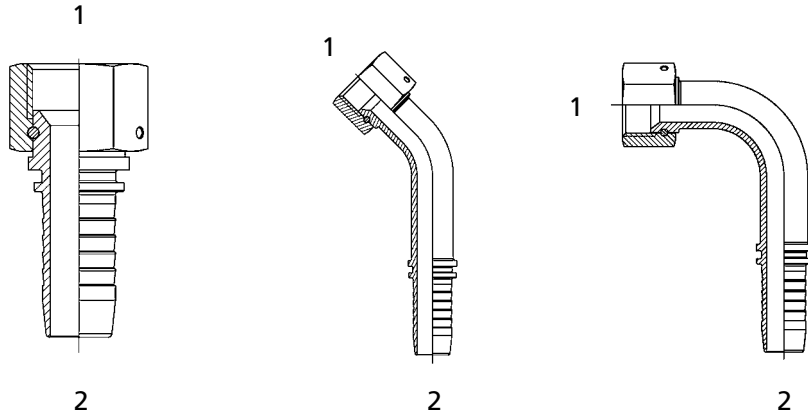
Made in Germany

JIC



Dash	1	2	Article
-4-3	7/16	- 3/16	222310
-5-3	1/2	- 3/16	222312
-6-3	9/16	- 3/16	222311
-4-4	7/16	- 1/4	201883
-5-4	1/2	- 1/4	201884
-6-4	9/16	- 1/4	201885
-5-5	1/2	- 5/16	201886
-6-5	9/16	- 5/16	201887
-6-6	9/16	- 3/8	201888
-8-6	3/4	- 3/8	201889
-8-8	3/4	- 1/2	201890
-10-8	7/8	- 1/2	201891
-10-10	7/8	- 5/8	201892
-12-10	1.1/16	- 5/8	201893
-12-12	1.1/16	- 3/4	200621
-16-12	1.5/16	- 3/4	201894
-16-16	1.5/16	- 1	201895
-20-16	1.5/8	- 1	201896
-20-20	1.5/8	- 1.1/4	201897
-24-24	1.7/8	- 1.1/2	201898
-32-32	2.1/2	- 2	201899

JIC Female



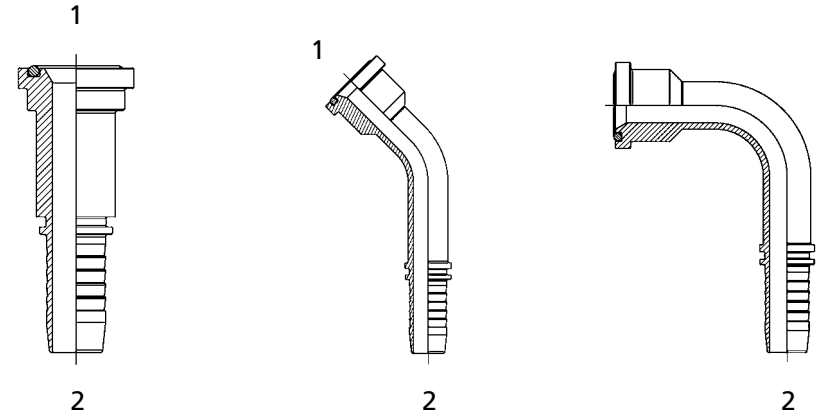
Dash	1	2	Article
-4-2	7/16 - 1/8		243795
-4-3	7/16 - 3/16		222383
-5-3	1/2 - 3/16		222384
-6-3	9/16 - 3/16		222385
-4-4	7/16 - 1/4		201733
-5-4	1/2 - 1/4		201735
-6-4	9/16 - 1/4		201737
-4-5	7/16 - 5/16		217105
-6-5	1/2 - 5/16		201739
-6-5	9/16 - 5/16		201568
-6-6	9/16 - 3/8		201741
-8-6	3/4 - 3/8		201743
-10-6	7/8 - 3/8		206962
-6-8	9/16 - 1/2		206963
-8-8	3/4 - 1/2		200998
-10-8	7/8 - 1/2		201745
-12-8	1.1/16 - 1/2		206964
-8-10	3/4 - 5/8		201747
-10-10	7/8 - 5/8		201720
-12-10	1.1/16 - 5/8		201749
-12-12	1.1/16 - 3/4		201003
-16-12	1.5/16 - 3/4		201569
-12-16	1.1/16 - 1		206965
-16-16	1.5/16 - 1		201719
-20-16	1.5/8 - 1		218334
-20-20	1.5/8 - 1.1/4		201751
-24-24	1.7/8 - 1.1/2		201753
-32-32	2.1/2 - 2		201755

Dash	1	2	Article
-4-4	7/16 - 1/4		208234
-5-4	1/2 - 1/4		208259
-6-4	9/16 - 1/4		208260
-5-5	1/2 - 5/16		208261
-6-5	9/16 - 5/16		208262
-6-6	9/16 - 3/8		208263
-8-6	3/4 - 3/8		208264
-10-6	7/8 - 3/8		208265
-8-8	3/4 - 1/2		208266
-10-8	7/8 - 1/2		208267
-12-8	1.1/16 - 1/2		208268
-10-10	7/8 - 5/8		201722
-12-10	1.1/16 - 5/8		208269
-12-12	1.1/16 - 3/4		208270
-16-12	1.5/16 - 3/4		208271
-16-16	1.5/16 - 1		201721
-20-16	1.5/8 - 1		208272
-20-20	1.5/8 - 1.1/4		208273
-24-20	1.7/8 - 1.1/4		208274
-24-24	1.7/8 - 1.1/2		208275
-32-24	2.1/2 - 1.1/2		208276
-32-32	2.1/2 - 2		208277

Dash	1	2	Article
-4-4	7/16 - 1/4		202303
-5-4	1/2 - 1/4		202306
-6-4	9/16 - 1/4		202300
-5-5	1/2 - 5/16		202305
-6-5	9/16 - 5/16		206617
-6-6	9/16 - 3/8		202293
-8-6	3/4 - 3/8		202304
-10-6	7/8 - 3/8		208235
-8-8	3/4 - 1/2		208278
-10-8	7/8 - 1/2		202302
-12-8	1.1/16 - 1/2		206786
-10-10	7/8 - 5/8		208279
-12-10	1.1/16 - 5/8		202291
-12-12	1.1/16 - 3/4		201004
-16-12	1.5/16 - 3/4		208280
-16-16	1.5/16 - 1		208281
-20-16	1.5/8 - 1		208282
-20-20	1.5/8 - 1.1/4		202308
-24-20	1.7/8 - 1.1/4		208283
-24-24	1.7/8 - 1.1/2		202307
-32-24	2.1/2 - 1.1/2		208284
-32-32	2.1/2 - 2		206788

Made in Germany

CODE 61



Dash	1	2	Article
-8-8	1/2 - 1/2		208233
-12-8	3/4 - 1/2		208373
-8-10	1/2 - 5/8		208374
-12-10	3/4 - 5/8		208375
-12-12	3/4 - 3/4		208376
-16-12	1 - 3/4		208377
-16-16	1 - 1		208378
-20-16	1.1/4 - 1		208379
-20-20	1.1/4 - 1.1/4		208380
-24-20	1.1/2 - 1.1/4		208381
-24-24	1.1/2 - 1.1/2		208382
-32-24	2 - 1.1/2		208383
-32-32	2 - 2		208384

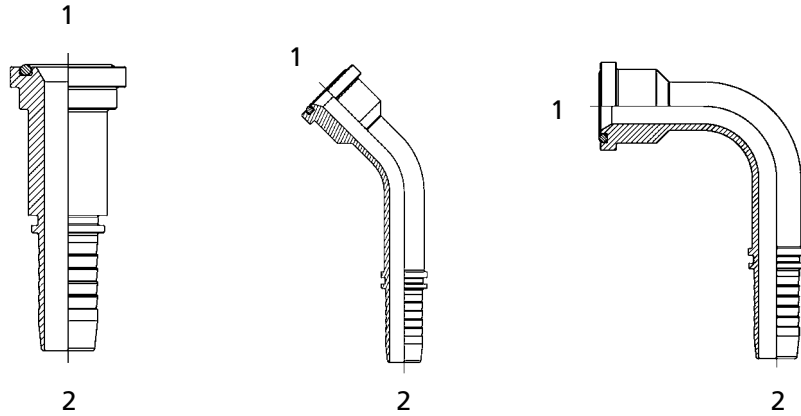
Dash	1	2	Article
-8-8	1/2 - 1/2		208347
-12-8	3/4 - 1/2		208348
-8-10	1/2 - 5/8		208349
-12-10	3/4 - 5/8		208350
-12-12	3/4 - 3/4		208351
-16-12	1 - 3/4		208352
-16-16	1 - 1		208353
-20-16	1.1/4 - 1		208354
-20-20	1.1/4 - 1.1/4		208355
-24-20	1.1/2 - 1.1/4		208356
-24-24	1.1/2 - 1.1/2		208357
-32-24	2 - 1.1/2		208358
-32-32	2 - 2		208359

* O-Ring = Viton

Made in Germany

Dash	1	2	Article
-8-8	1/2 - 1/2		208236
-12-8	3/4 - 1/2		208324
-8-10	1/2 - 5/8		208325
-12-10	3/4 - 5/8		208326
-12-12	3/4 - 3/4		208327
-16-12	1 - 3/4		206730
-16-16	1 - 1		208328
-24-16	1.1/4 - 1		206732
-20-20	1.1/4 - 1.1/4		208329
-24-20	1.1/2 - 1.1/4		208330
-24-24	1.1/2 - 1.1/2		208331
-32-24	2 - 1.1/2		208332
-32-32	2 - 2		208333

CODE 62



Dash	1	2	Article
-8-8	1/2	- 1/2	208385
-12-8	3/4	- 1/2	208386
-8-10	1/2	- 5/8	208387
-12-10	3/4	- 5/8	208388
-12-12	3/4	- 3/4	208389
-16-12	1	- 3/4	208390
-16-16	1	- 1	208391
-20-16	1.1/4	- 1	208392
-20-20	1.1/4	- 1.1/4	208393
-24-20	1.1/2	- 1.1/4	208394
-24-24	1.1/2	- 1.1/2	208395
-32-24	2	- 1.1/2	208396
-32-32	2	- 2	208397

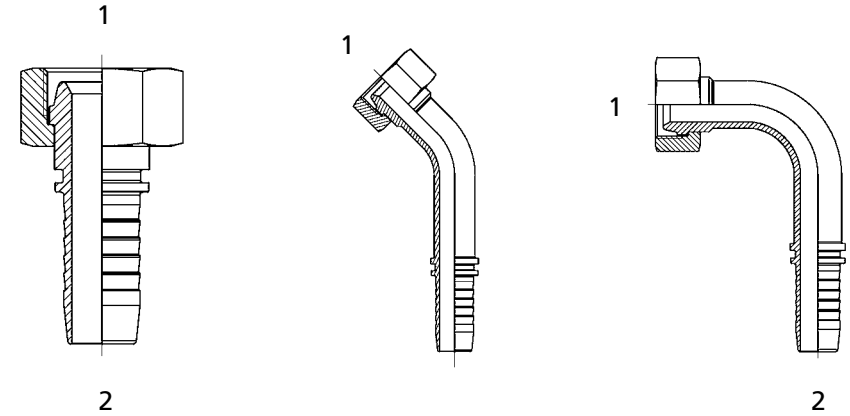
Dash	1	2	Article
-8-8	1/2	- 1/2	208360
-12-8	3/4	- 1/2	208361
-8-12	1/2	- 5/8	208362
-12-10	3/4	- 5/8	208363
-12-12	3/4	- 3/4	208364
-16-12	1	- 3/4	208365
-16-16	1	- 1	208366
-20-16	1.1/4	- 1	208367
-20-20	1.1/4	- 1.1/4	208368
-24-20	1.1/2	- 1.1/4	208369
-24-24	1.1/2	- 1.1/2	208370
-32-24	2	- 1.1/2	208371
-32-32	2	- 2	208372

* O-Ring = Viton

Made in Germany

Dash	1	2	Article
-8-8	1/2	- 1/2	208334
-12-8	3/4	- 1/2	208335
-8-10	1/2	- 5/8	208336
-12-10	3/4	- 5/8	208337
-12-12	3/4	- 3/4	208338
-16-12	1	- 3/4	208339
-16-16	1	- 1	208340
-20-16	1.1/4	- 1	208341
-20-20	1.1/4	- 1.1/4	208342
-24-20	1.1/2	- 1.1/4	208343
-24-24	1.1/2	- 1.1/2	208344
-32-24	2	- 1.1/2	208345
-32-32	2	- 2	208346

DKL-DKS Female



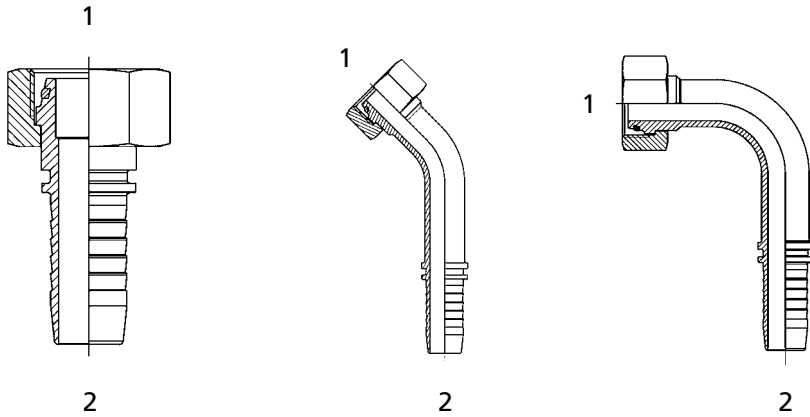
Dash	1	2	Article
-06L-3	06L	- 3/16	222361
-06L-4	06L	- 1/4	206972
-08L-4	08L	- 1/4	201601
-10L-4	10L	- 1/4	206973
-12L-4	12L	- 1/4	208155
-10L-5	10L	- 5/16	201583
-12L-5	12L	- 5/16	201585
-10L-6	10L	- 3/8	206945
-12L-6	12L	- 3/8	201587
-15L-6	15L	- 3/8	201589
-15L-8	15L	- 1/2	201581
-18L-10	18L	- 5/8	201591
-22L-12	22L	- 3/4	201593
-28L-16	28L	- 1	201595
-35L-20	35L	- 1.1/4	201597
-42L-24	42L	- 1.1/2	201599
-10S-4	10S	- 1/4	202309
-12S-5	12S	- 5/16	201604
-12S-6	12S	- 3/8	201606
-14S-6	14S	- 3/8	201608
-16S-8	16S	- 1/2	201613
-20S-10	20S	- 5/8	201615
-25S-12	25S	- 3/4	201617
-25S-16	25S	- 1	201619
-30S-16	30S	- 1	201621
-38S-20	38S	- 1.1/4	201623

Dash	1	2	Article
-06L-4	06L	- 1/4	208053
-08L-4	08L	- 1/4	208056
-10L-4	10L	- 1/4	208057
-12L-4	12L	- 1/4	208058
-10L-5	10L	- 5/16	208059
-12L-5	12L	- 5/16	208060
-10L-6	10L	- 3/8	208061
-12L-6	12L	- 3/8	208062
-15L-6	15L	- 3/8	208063
-15L-8	15L	- 1/2	208064
-18L-10	18L	- 5/8	208069
-22L-12	22L	- 3/4	208112
-28L-16	28L	- 1	208113
-35L-20	35L	- 1.1/4	208114
-42L-24	42L	- 1.1/2	208115
-10S-4	10S	- 1/4	208116
-12S-5	12S	- 5/16	208118
-12S-6	12S	- 3/8	208119
-14S-6	14S	- 3/8	208120
-16S-8	16S	- 1/2	208121
-20S-10	20S	- 5/8	208122
-25S-12	25S	- 3/4	208123
-25S-16	25S	- 1	208124
-30S-16	30S	- 1	208125
-38S-20	38S	- 1.1/4	208126

Dash	1	2	Article
-06L-4	06L	- 1/4	208146
-08L-4	08L	- 1/4	202310
-10L-4	10L	- 1/4	208147
-12L-4	12L	- 1/4	208148
-10L-5	10L	- 5/16	202312
-12L-5	12L	- 5/16	202314
-10L-6	10L	- 3/8	208149
-12L-6	12L	- 3/8	202315
-15L-6	15L	- 3/8	202319
-15L-8	15L	- 1/2	202320
-18L-10	18L	- 5/8	202322
-22L-12	22L	- 3/4	202323
-28L-16	28L	- 1	202326
-35L-20	35L	- 1.1/4	202328
-42L-24	42L	- 1.1/2	202330
-10S-4	10S	- 1/4	202313
-12S-5	12S	- 5/16	202316
-12S-6	12S	- 3/8	202317
-14S-6	14S	- 3/8	202318
-16S-8	16S	- 1/2	202321
-20S-10	20S	- 5/8	208150
-25S-12	25S	- 3/4	202324
-25S-16	25S	- 1	202325
-30S-16	30S	- 1	202327
-38S-20	38S	- 1.1/4	202329

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DKOL Female



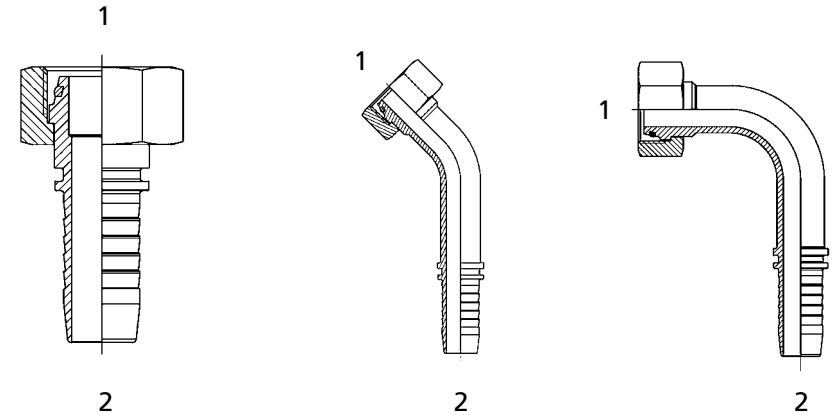
Dash	1	2	Article
-06L-2	06L - 1/8		243790
-06L-3	06L - 3/16		209188
-08L-3	08L - 3/16		222317
-06L-4	06L - 1/4		200905
-08L-4	08L - 1/4		200639
-10L-4	10L - 1/4		201925
-12L-4	12L - 1/4		222201
-08L-5	08L - 5/16		222202
-10L-5	10L - 5/16		200626
-12L-5	12L - 5/16		201137
-10L-6	10L - 3/8		200977
-12L-6	12L - 3/8		200593
-15L-6	15L - 3/8		201575
-12L-8	12L - 1/2		222319
-15L-8	15L - 1/2		200600
-18L-8	18L - 1/2		218013
-18L-10	18L - 5/8		200649
-22L-10	22L - 5/8		219257
-22L-12	22L - 3/4		200652
-28L-12	28L - 3/4		222203
-28L-16	28L - 1		200906
-35L-20	35L - 1.1/4		200630
-42L-24	42L - 1.1/2		201577

Dash	1	2	Article
-06L-3	06L - 3/16		201962
-08L-3	08L - 3/16		222333
-06L-4	06L - 1/4		207989
-08L-4	08L - 1/4		200686
-10L-4	10L - 1/4		208001
-12L-4	12L - 1/4		222205
-10L-5	10L - 5/16		200655
-12L-5	12L - 5/16		202334
-10L-6	10L - 3/8		207972
-12L-6	12L - 3/8		202335
-15L-6	15L - 3/8		202339
-12L-8	12L - 1/2		
-15L-8	15L - 1/2		202340
-18L-10	18L - 5/8		202342
-22L-12	22L - 3/4		202344
-28L-16	28L - 1		202347
-35L-20	35L - 1.1/4		202349
-42L-24	42L - 1.1/2		207974

Dash	1	2	Article
-06L-3	06L - 3/16		203340
-08L-3	08L - 3/16		222347
-06L-4	06L - 1/4		207980
-08L-4	08L - 1/4		207969
-10L-4	10L - 1/4		207981
-10L-5	10L - 5/16		200654
-12L-5	12L - 5/16		207982
-10L-6	10L - 3/8		207984
-12L-6	12L - 3/8		200657
-15L-6	15L - 3/8		207973
-12L-8	12L - 1/2		
-15L-8	15L - 1/2		200659
-18L-10	18L - 5/8		201094
-22L-12	22L - 3/4		207976
-28L-16	28L - 1		200597
-35L-20	35L - 1.1/4		207978
-42L-24	42L - 1.1/2		202003

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DKOS Female



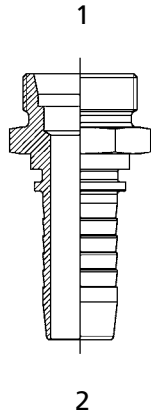
Dash	1	2	Article
-06S-3	06S - 3/16		222325
-08S-3	08S - 3/16		222326
-06S-4	06S - 1/4		202809
-08S-4	08S - 1/4		200875
-10S-4	10S - 1/4		201852
-12S-4	12S - 1/4		222204
-10S-5	10S - 5/16		208772
-12S-5	12S - 5/16		201422
-12S-6	12S - 3/8		200628
-14S-6	14S - 3/8		201574
-16S-6	16S - 3/8		212216
-12S-8	12S - 1/2		206975
-16S-8	16S - 1/2		201854
-16S-10	16S - 5/8		222329
-20S-10	20S - 5/8		200876
-20S-12	20S - 3/4		206976
-25S-12	25S - 3/4		201410
-30S-12	30S - 3/4		218803
-25S-16	25S - 1		200878
-30S-16	30S - 1		201112
-38S-20	38S - 1.1/4		201576
-38S-24	38S - 1.1/2		241475

Dash	1	2	Article
-06S-3	06S - 3/16		222339
-08S-3	08S - 3/16		222340
-06S-4	06S - 1/4		207975
-08S-4	08S - 1/4		200877
-10S-4	10S - 1/4		207977
-12S-4	12S - 1/4		222206
-12S-5	12S - 5/16		202902
-10S-6	10S - 3/8		222425
-12S-6	12S - 3/8		202337
-14S-6	14S - 3/8		202338
-16S-6	16S - 3/8		207979
-16S-8	16S - 1/2		201457
-20S-8	20S - 1/2		222207
-16S-10	16S - 5/8		
-20S-10	20S - 5/8		201491
-20S-12	20S - 3/4		222426
-25S-12	25S - 3/4		201115
-25S-16	25S - 1		200820
-30S-16	30S - 1		202348
-38S-20	38S - 1.1/4		202350

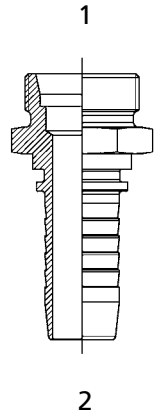
Dash	1	2	Article
-06S-3	06S - 3/16		222353
-08S-3	08S - 3/16		222354
-06S-4	06S - 1/4		207983
-08S-4	08S - 1/4		207985
-10S-4	10S - 1/4		201831
-12S-4	12S - 1/4		
-12S-5	12S - 5/16		202336
-10S-6	10S - 3/8		215604
-12S-6	12S - 3/8		201026
-14S-6	14S - 3/8		201517
-16S-6	16S - 3/8		208469
-16S-8	16S - 1/2		200624
-20S-8	20S - 1/2		222208
-16S-10	16S - 5/8		
-20S-10	20S - 5/8		202343
-20S-12	20S - 3/4		209287
-25S-12	25S - 3/4		202345
-25S-16	25S - 1		202346
-30S-16	30S - 1		201113
-38S-20	38S - 1.1/4		207986
-38S-24	38S - 1.1/2		xxxxxx

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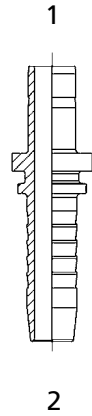
DKL Male



DKS Male



**METRIC STANDPIPE
(With Groove Twin Ferrule)**



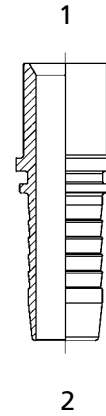
Dash	1	2	Article
-06L-3	06L - 3/16		222291
-08L-3	08L - 3/16		222292
-06L-4	06L - 1/4		206967
-08L-4	08L - 1/4		201455
-10L-4	10L - 1/4		215454
-10L-5	10L - 5/16		200660
-12L-5	12L - 5/16		202136
-10L-6	10L - 3/8		202134
-12L-6	12L - 3/8		201053
-15L-6	15L - 3/8		202139
-15L-8	15L - 1/2		200979
-18L-8	18L - 1/2		202141
-18L-10	18L - 5/8		200989
-22L-12	22L - 3/4		202144
-28L-16	28L - 1		202147
-35L-20	35L - 1.1/4		202149
-42L-24	42L - 1.1/2		202151

Dash	1	2	Article
-06S-3	06S - 3/16		222297
-08S-3	08S - 3/16		222298
-06S-4	06S - 1/4		202133
-10S-4	10S - 1/4		202135
-12S-5	12S - 5/16		202137
-12S-6	12S - 3/8		201456
-14S-6	14S - 3/8		202138
-16S-8	16S - 1/2		202140
-20S-10	20S - 5/8		202142
-20S-12	20S - 3/4		202143
-25S-12	25S - 3/4		202145
-25S-16	25S - 1		202146
-30S-16	30S - 1		202148
-38S-20	38S - 1.1/4		202150

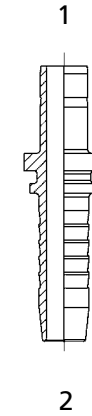
Dash	1	2	Article
-08-4	08 - 1/4		224127
-10-4	10 - 1/4		224128
-12-4	12 - 1/4		230917
-10-6	10 - 3/8		237304
-12-6	12 - 3/8		224130
-16-8	16 - 1/2		224132
-18-10	18 - 5/8		224131
-20-10	20 - 5/8		224133
-25-16	25 - 1		227016

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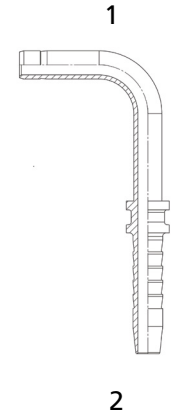
**METRIC STANDPIPE
(Without Groove)**



IMPERIAL STANDPIPE



IMPERIAL STANDPIPE



Dash	1	2	Article
-06L-3	06L - 3/16		222372
-08L-3	08L - 3/16		222373
-06L-4	06L - 1/4		200661
-08L-4	08L - 1/4		200662
-10L-4	10L - 1/4		201397
-08L-5	08L - 5/16		201758
-10L-5	10L - 5/16		200663
-12L-5	12L - 5/16		201756
-10L-6	10L - 3/8		201462
-12L-6	12L - 3/8		200664
-15L-6	15L - 3/8		201760
-12L-8	12L - 1/2		201554
-15L-8	15L - 1/2		200909
-18L-8	18L - 1/2		222374
-18L-10	18L - 5/8		200980
-22L-10	22L - 5/8		222375
-22L-12	22L - 3/4		200665
-06S-3	06S - 3/16		222376
-06S-4	06S - 1/4		200661
-08S-4	08S - 1/4		200662
-10S-4	10S - 1/4		201397
-12S-4	12S - 1/4		201757
-08S-5	08S - 5/16		201758
-10S-5	10S - 5/16		200663
-12S-5	12S - 5/16		201756
-12S-6	12S - 3/8		200664
-14S-6	14S - 3/8		201759
-12S-8	12S - 1/2		201554
-16S-8	16S - 1/2		201119
-20S-8	20S - 1/2		222377
-20S-10	20S - 5/8		201761
-20S-12	20S - 3/4		201762

Dash	1	2	Article
-4-2	1/4 - 1/8		243787
-4-3	1/4 - 3/16		232347
-4-4	1/4 - 1/4		224140
-5-4	5/16 - 1/4		224134
-6-4	3/8 - 1/4		231562
-6-6	3/8 - 3/8		219871
-8-4	1/2 - 1/4		240008
-8-6	1/2 - 3/8		224135
-8-8	1/2 - 1/2		224142
-10-8	5/8 - 1/2		224136
-12-10	3/4 - 5/8		224137
-12-12	3/4 - 3/4		224143
-16-12	1 - 3/4		224138
-16-16	1 - 1		224144
-20-16	1.1/4 - 1		224139

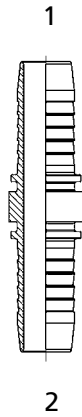
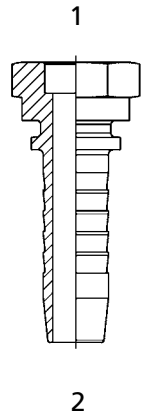
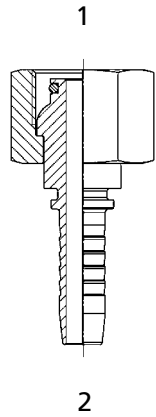
Dash	1	2	Article
-4-4	1/4 - 1/4		242062
-6-6	3/8 - 3/8		242064
-8-8	1/2 - 1/2		242060

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KA (WATER BLASTER)

TUBE WELD

HOSE JOINER



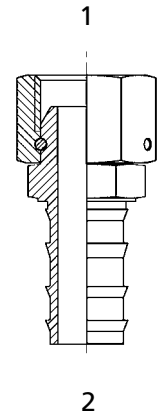
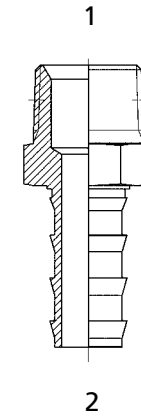
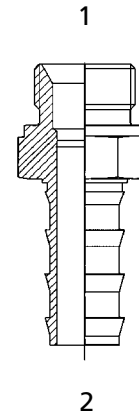
Dash	1	2	Article
m22-4	M22x1.5 - 1/4		208237
m22-5	M22x1.5 - 5/16		208285
m22-6	M22x1.5 - 3/8		208286
m22-8	M22x1.5 - 1/2		208287

Dash	1	2	Article
-4-4	1/4 - 1/4		206733
-6-6	3/8 - 3/8		206734
-8-8	1/2 - 1/2		206735
-12-12	3/4 - 3/4		206736
-16-16	1 - 1		206737
-20-20	1.1/4 - 1.1/4		206738
-24-24	1.1/2 - 1.1/2		206739
-32-32	2 - 2		206740

Dash	1	2	Article
-4-4	1/4 - 1/4		208156
-5-5	5/16 - 5/16		126802
-6-6	3/8 - 3/8		208157
-8-8	1/2 - 1/2		208159
-10-10	5/8 - 5/8		208160
-12-12	3/4 - 3/4		208161
-16-16	1 - 1		101150
-20-20	1.1/4 - 1.1/4		208162
-24-24	1.1/2 - 1.1/2		201405
-32-32	2 - 2		208163

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BSP Pushlock



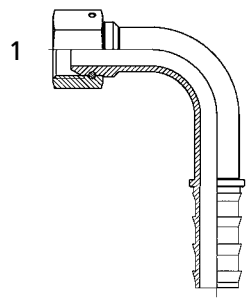
Dash	1	2	Article
-2-4	1/8 - 1/4		213287
-4-4	1/4 - 1/4		213288
-6-6	3/8 - 3/8		206902

Dash	1	2	Article
-4-4	1/4 - 1/4		206929
-4-8	1/4 - 1/2		215984
-4-6	1/4 - 3/8		215982
-6-6	3/8 - 3/8		206930
-6-8	3/8 - 1/2		215985
-8-6	1/2 - 3/8		215983
-8-8	1/2 - 1/2		206931
-12-12	3/4 - 3/4		206932

Dash	1	2	Article
-4-4	1/4 - 1/4		206793
-6-6	3/8 - 3/8		206904
-8-8	1/2 - 1/2		206922
-8-10	1/2 - 5/8		209204
-12-10	3/4 - 5/8		209205
-12-12	3/4 - 3/4		206923

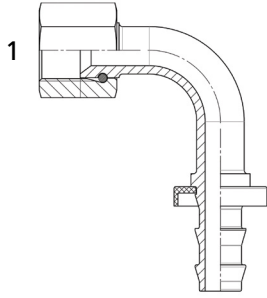
Made in Germany

BSP - Pushlock



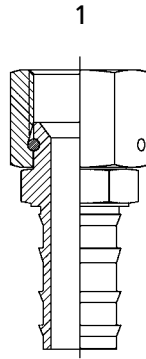
2

JIC - Pushlock



2

JIC - Pushlock



2

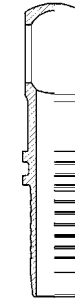
Dash	1	2	Article
-4-4	1/4	- 1/4	244814
-6-6	3/8	- 3/8	206906
-8-8	1/2	- 1/2	244815
-12-12	3/4	- 3/4	244816

Dash	1	2	Article
-4-4	7/16	- 1/4	244032
-6-6	3/8	- 3/8	244811
-8-8	3/4	- 1/2	244812
-12-12	1.1/16	- 3/4	244813

Dash	1	2	Article
-4-4	7/16	- 1/4	206940
-6-6	9/16	- 3/8	206937
-8-8	3/4	- 1/2	206938
-12-12	1.1/16	- 3/4	206939
-16-16	1.5/16	- 1	242323

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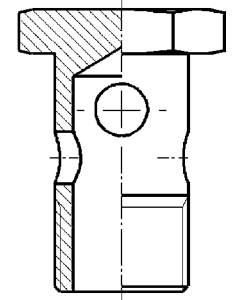
Banjo



Seal



Banjo Bolt



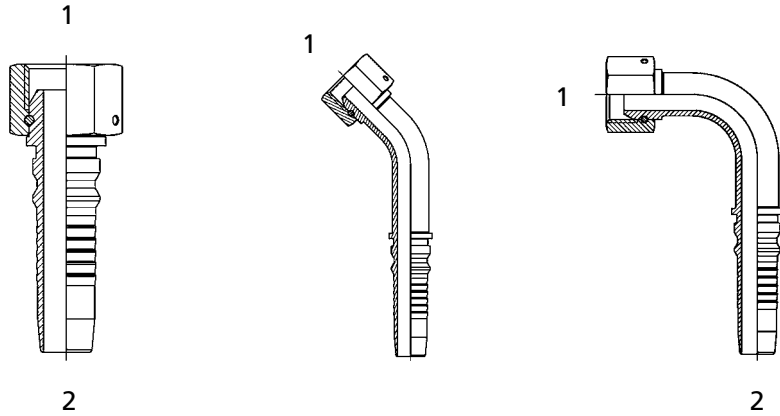
Dash	Tail	Article
-4-10M	1/4	222771
-4-12M	1/4	222431
-4-14M	1/4	222432
-5-10M	5/16	222772
-5-12M	5/16	222773
-5-14M	5/16	222433
-4-16M	5/16	222434
-6-14M	3/8	222435
-6-16M	3/8	222436
-9-18M	3/8	222438
-8-16M	1/2	222442
-8-18M	1/2	222774
-8-22M	1/2	222444
-10-22M	5/8	222445
-12-26M	3/4	222446

Seal	Article
M 10 x 1	212360
M 12 x 1.5	212361
M 14 x 1.5	212362
M 16 x 1.5	212363
M 18 x 1.5	212364
M 22 x 1.5	212365
M 26 x 1.5	212366

Bolt	Article
M 10 x 1	212341
M 12 x 1.5	212342
M 14 x 1.5	212343
M 16 x 1.5	212344
M 18 x 1.5	212345
M 22 x 1.5	212346
M 26 x 1.5	212347
G 3/8	103001
G 1/2	102995

Made in Germany

BSP - Interlock

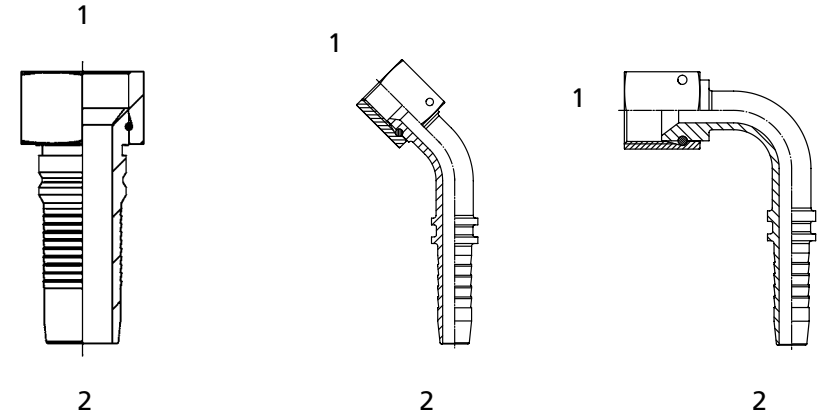


Dash	1	2	Article	Dash	1	2	Article	Dash	1	2	Article
-12-12	3/4	- 3/4-IN	200356	-12-12	3/4	- 3/4-IN	208128	-12-12	3/4	- 3/4-IN	200367
-16-16	1	- 1-IN	200357	-16-16	1	- 1-IN	208129	-16-16	1	- 1-IN	200368
-20-20	1.1/4	- 1.1/4-IN	208127	-20-20	1.1/4	- 1.1/4-IN	208130	-20-20	1.1/4	- 1.1/4-IN	200369
-24-24	1.1/2	- 1.1/2-IN	200359	-24-24	1.1/2	- 1.1/2-IN	208131	-24-24	1.1/2	- 1.1/2-IN	200370
-32-32	2	- 2-IN	200360	-32-32	2	- 2-IN	208132	-32-32	2	- 2-IN	200371

* Internal/External Skiving is required.

Made in Germany

JIC - Interlock

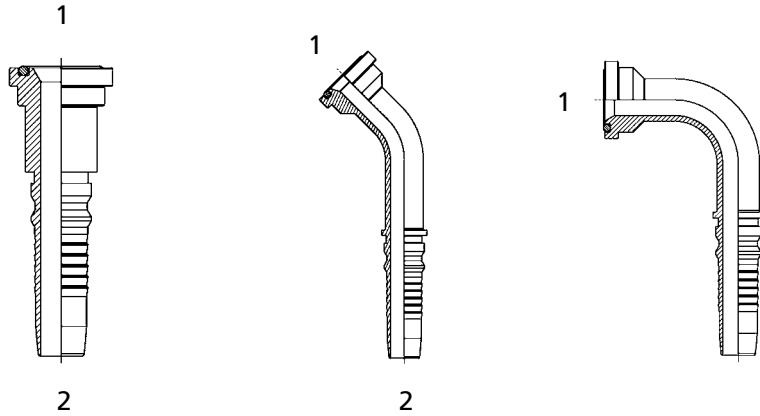


Dash	1	2	Article	Dash	1	2	Article	Dash	1	2	Article
-12-12	1.1/16	- 3/4	218766	-12-12	1.1/16	- 3/4	218767	-12-12	1.1/16	- 3/4	218767
-16-16	1.5/16	- 1	218635	-16-16	1.5/16	- 1	218768	-16-16	1.5/16	- 1	218768
-26-16	1.5/8	- 1	218636	-20-20	1.5/8	- 1.1/4	218769	-20-20	1.5/8	- 1.1/4	218769
-20-20	1.5/8	- 1.1/4	218637	-24-24	1.7/8	- 1.1/2	218770	-24-24	1.7/8	- 1.1/2	218770
-24-24	1.7/8	- 1.1/2	218638	-32-32	2.1/2	- 2	218771	-32-32	2.1/2	- 2	218771
-32-32	2.1/2	- 2	218639								

* Internal/External Skiving is required.

Made in Germany

CODE 61 - Interlock

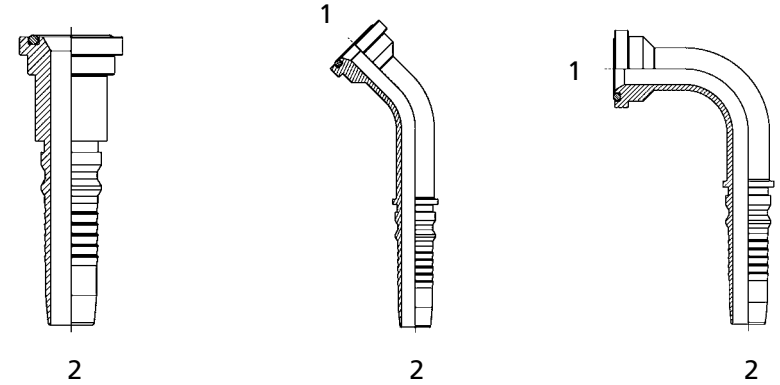


Dash	1	2	Article	Dash	1	2	Article	Dash	1	2	Article
-12-12	3/4	- 3/4	208241	-12-12	3/4	- 3/4	208239	-12-12	3/4	- 3/4	208240
-16-16	1	- 1	208243	-16-16	1	- 1	208398	-16-16	1	- 1	208411
-20-20	1.1/4	- 1.1/4	208244	-20-20	1.1/4	- 1.1/4	208399	-20-20	1.1/4	- 1.1/4	208412
-24-24	1.1/2	- 1.1/4	208245	-24-24	1.1/2	- 1.1/4	208400	-24-24	1.1/2	- 1.1/4	208413
-32-32	2	- 2	208246	-32-32	2	- 2	208401	-32-32	2	- 2	208414

* Internal/External Skiving is required.

Made in Germany

CODE 62 - Interlock

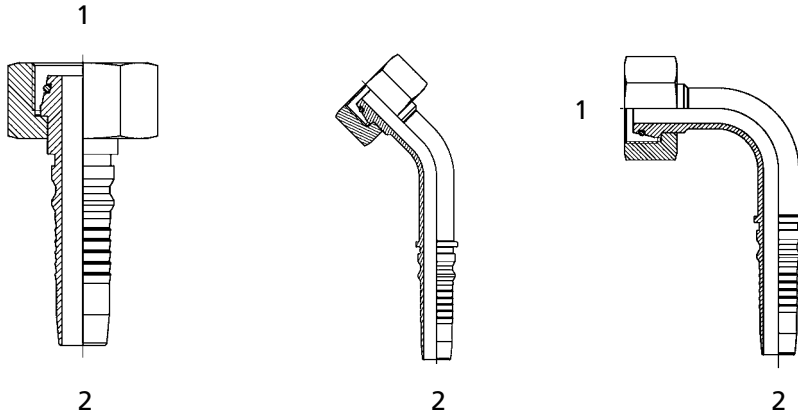


Dash	1	2	Article	Dash	1	2	Article	Dash	1	2	Article
-12-12	3/4	- 3/4-IN	208247	-12-12	3/4	- 3/4-IN	208402	-12-12	3/4	- 3/4-IN	208415
-16-12	1	- 3/4-IN	208248	-16-12	1	- 3/4-IN	208403	-16-12	1	- 3/4-IN	208416
-16-16	1	- 1-IN	208249	-16-16	1	- 1-IN	208404	-16-16	1	- 1-IN	208417
-20-16	1.1/4	- 1-IN	208250	-20-16	1.1/4	- 1-IN	208405	-20-16	1.1/4	- 1-IN	208418
-20-20	1.1/4	- 1.1/4-IN	208251	-20-20	1.1/4	- 1.1/4-IN	208406	-20-20	1.1/4	- 1.1/4-IN	208419
-20-24	1.1/4	- 1.1/2-IN	208252	-20-24	1.1/4	- 1.1/2-IN	208407	-20-24	1.1/4	- 1.1/2-IN	208420
-24-24	1.1/2	- 1.1/2-IN	208254	-24-24	1.1/2	- 1.1/2-IN	208408	-24-24	1.1/2	- 1.1/2-IN	208421
-32-24	2	- 1.1/2-IN	208255	-32-24	2	- 1.1/2-IN	208409	-32-24	2	- 1.1/2-IN	208422
-32-32	2	- 2-IN	208257	-32-32	2	- 2-IN	208410	-32-32	2	- 2-IN	208423

* Internal/External Skiving is required.

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DKO - Interlock



Dash	1	2	Article
-20S-12	20S - 3/4-IN		200637
-25S-12	25S - 3/4-IN		200361
-25S-16	25S - 1-IN		200633
-30S-16	30S - 1-IN		200362
-38S-20	38S - 1.1/4-IN		200363
-38S-24	38S - 1.1/2-IN		208528

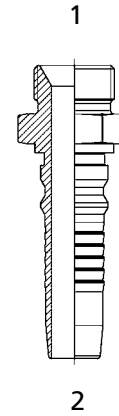
Dash	1	2	Article
-20S-12	20S - 3/4-IN		208108
-25S-12	25S - 3/4-IN		204338
-25S-16	25S - 1-IN		208109
-30S-16	30S - 1-IN		208110
-38S-20	38S - 1.1/4-IN		208111

Dash	1	2	Article
-20S-12	20S - 3/4-IN		208117
-25S-12	25S - 3/4-IN		200364
-25S-16	25S - 1-IN		200635
-30S-16	30S - 1-IN		200365
-38S-20	38S - 1.1/4-IN		200366
-38S-24	38S - 1.1/2-IN		208528

* Internal/External Skiving is required.

Made in Germany

BSPB - Interlock

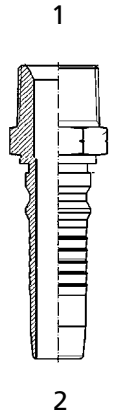


Dash	1	2	Article
-12-12	3/4 - 3/4-IN		118067
-16-16	1 - 1-IN		118068
-20-20	1.1/4 - 1.1/4-IN		118069
-24-24	1.1/2 - 1.1/2-IN		118070
-32-32	2 - 2-IN		118071

* Internal/External Skiving is required.

Made in Germany

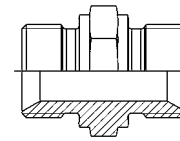
NPT - Interlock



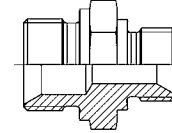
Dash	1	2	Article
-12-12	3/4 - 3/4-IN		223323
-16-16	1 - 1-IN		223324
-20-20	1.1/4 - 1.1/4-IN		223325
-24-24	1.1/2 - 1.1/2-IN		222863
-32-32	2 - 2-IN		223326

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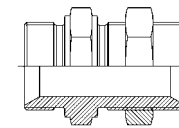
BSPP x
BSPP



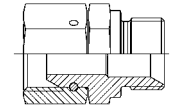
p. 107



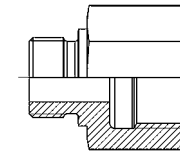
p. 107



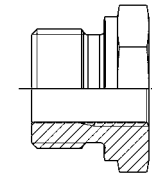
p. 143



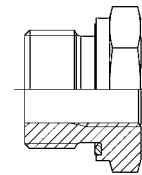
p. 117



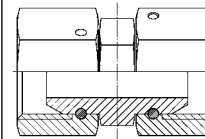
p. 13-14



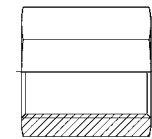
p. 115



p. 15



p. 121



p. 146

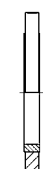
Seal
rings

BSPP-Captive O-ring



p. 60

KD-PTFE



p. 60

Bonded Seal



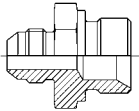
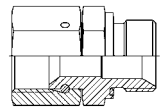
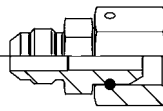
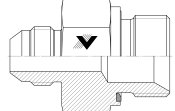
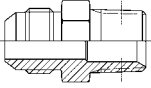
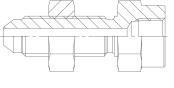
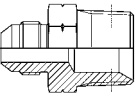
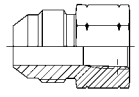
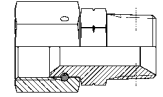
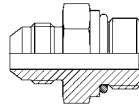
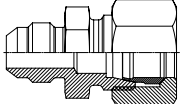
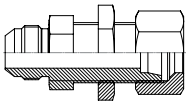
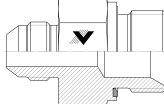
p. 60

BSPP x BSPT			
	p. 107	p. 117	
BSPP x NPT			
	p. 108	p. 115	p. 119
BSPP x Metric			
	p. 54		
BSPT x BSPT			
	p. 108	p. 116	p. 146
NPT x NPT			
	p. 108	p. 116	p. 146

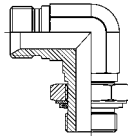
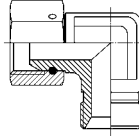
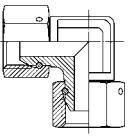
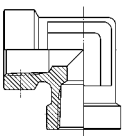
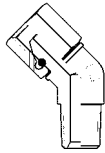
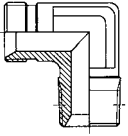
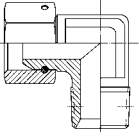
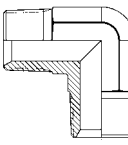
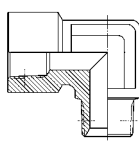
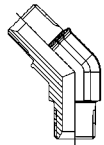
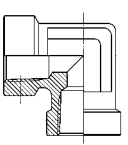
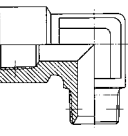
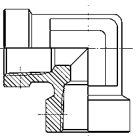
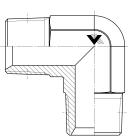
Made in Germany

JIC				
	p. 109	p. 143		
	p. 118	p. 118	p. 121	
Tube/ Butt Weld x JIC/ BSPP/ BSPT/ NPT				
	p. 122	p. 122,124	p. 122,124	p. 123
JIC Tube Nut/ Sleeve				
Metric Sleeve				
	p. 125	p. 125	p. 125	

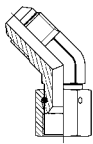
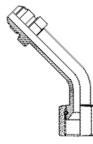
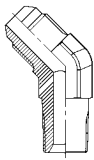
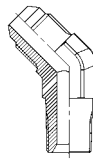
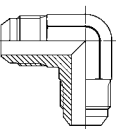
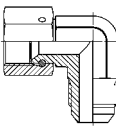
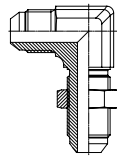
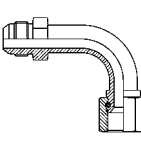
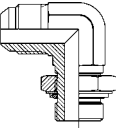
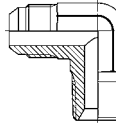
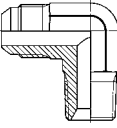
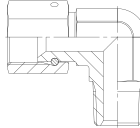
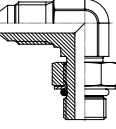
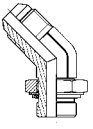
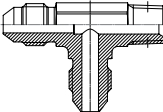
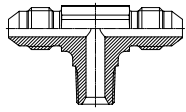
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JIC x BSPP				
	p. 109	p. 113	p. 119	p. 111
JIC x BSPT				
	p. 110	p. 143		
JIC x NPT				
	p. 112	p. 117	p. 119	
JIC x UNO				
JIC x Metric	p. 113	p. 120	p. 120	p. 110

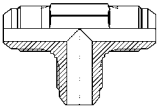
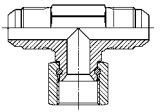
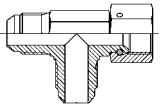
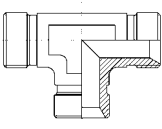
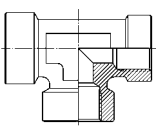
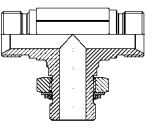
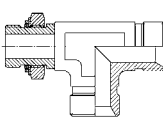
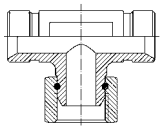
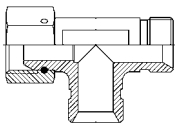
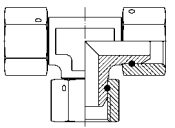
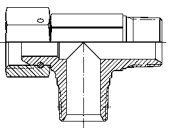
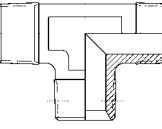
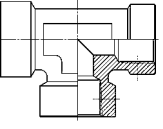
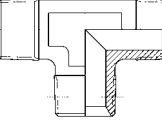
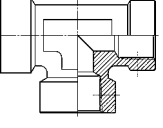
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BSPP x BSPP				
	p. 131	p. 129	p. 129	p. 130
BSPP x BSPT				
	p. 126			
				
	p. 131	p. 129		
BSPT x BSPT				
	p. 131	p. 130	p. 126	p. 130
NPT x NPT				
	p. 132	p. 132	p. 132	

Made in Germany

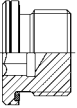
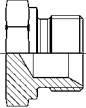
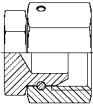


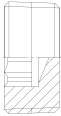

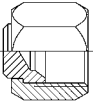
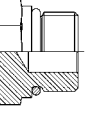
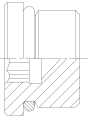
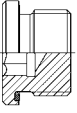
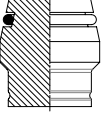
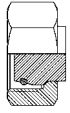
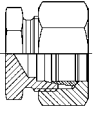
JIC x JIC JIC x NPT JIC x BSPT				
	p. 127	p. 128	p. 126	p. 127
JIC x JIC				
	p. 133	p. 133	p. 144	p. 128
JIC x BSPP JIC x NPT JIC x BSPT				
	p. 135	p. 134	p. 134	p. 134-135
JIC/ UNO				
	p. 135	p. 127		
JIC/ NPT TEE				
	p. 142	p. 142		

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JIC				
	p. 141	p. 141	p. 141	
BSPP				
	p. 137	p. 136	p. 139	p. 139
				
	p. 138	p. 138	p. 136	p. 138
BSPT				
	p. 137	p. 136		
NPT				
	p. 140	p. 140		

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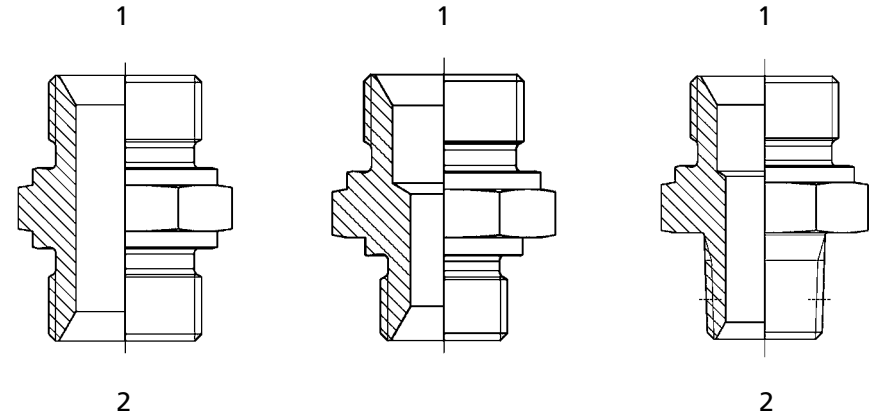
CAPS & PLUGS

BSPP				
	p. 150	p. 147	p. 147	
	BSPT/ NPT			
p. 147		p. 149	p. 149	
JIC				
	p. 148	p. 148		
UNO				
	p. 148	p. 149		
Metric				
	p. 150	p. 151	p. 151	p. 152

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BSPP

BSPP x BSPT



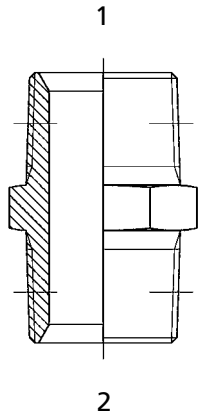
Dash	1	2	Article
-2-2	1/8	- 1/8	118785
-4-4	1/4	- 1/4	113942
-6-6	3/8	- 3/8	113945
-8-8	1/2	- 1/2	113941
-10-10	5/8	- 5/8	119935
-12-12	3/4	- 3/4	113944
-16-16	1	- 1	105230
-20-20	1.1/4	- 1.1/4	105313
-24-24	1.1/2	- 1.1/2	119308
-32-32	2	- 2	121741

Dash	1	2	Article
-4-2	1/4	- 1/8	118740
-6-2	3/8	- 1/8	105298
-6-4	3/8	- 1/4	118324
-8-4	1/2	- 1/4	114702
-8-6	1/2	- 3/8	118846
-10-6	5/8	- 3/8	105328
-10-8	5/8	- 1/2	105327
-12-6	3/4	- 3/8	105291
-12-8	3/4	- 1/2	114485
-12-10	3/4	- 5/8	105292
-16-6	1	- 3/8	105237
-16-8	1	- 1/2	204511
-16-12	1	- 3/4	122288
-20-12	1.1/4	- 3/4	105320
-20-16	1.1/4	- 1	105316
-24-16	1.1/2	- 1	113855
-24-20	1.1/2	- 1.1/4	117546
-32-20	2	- 1.1/4	125195
-32-24	2	- 1.1/2	115613

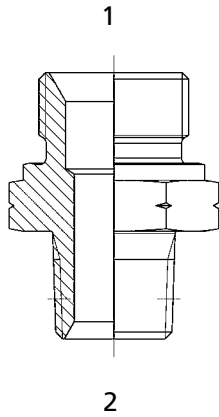
Dash	1	2	Article
-2-2	1/8	- 1/8	203733
-2-4	1/8	- 1/4	203734
-4-2	1/4	- 1/8	203736
-4-4	1/4	- 1/4	203735
-4-6	1/4	- 3/8	203738
-4-8	1/4	- 1/2	203737
-6-4	3/8	- 1/4	203741
-6-6	3/8	- 3/8	203739
-6-8	3/8	- 1/2	203740
-6-12	3/8	- 3/4	203798
-6-16	3/8	- 1	203742
-8-6	1/2	- 3/8	203744
-8-8	1/2	- 1/2	203743
-8-12	1/2	- 3/4	203745
-10-8	5/8	- 1/2	203746
-10-12	5/8	- 3/4	203747
-12-8	3/4	- 1/2	203748
-12-12	3/4	- 3/4	203749
-12-16	3/4	- 1	203750
-16-12	1	- 3/4	203751
-16-16	1	- 1	203752
-16-20	1	- 1.1/4	203797
-20-20	1.1/4	- 1.1/4	203753
-24-24	1.1/2	- 1.1/2	203754
-32-32	2	- 2	203755

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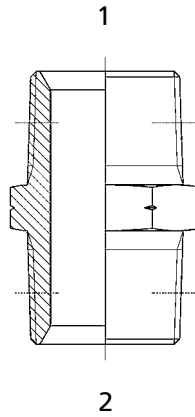
BSPT x BSPT



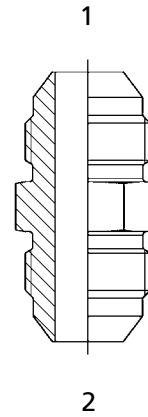
BSPP x NPT



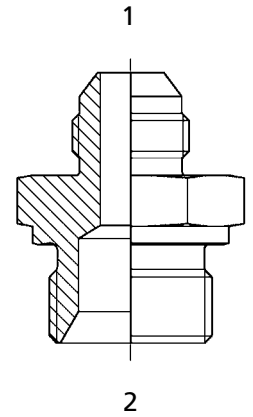
NPT x NPT



JIC x JIC



JIC x BSPP



Dash	1	2	Article
-2-2	1/8	- 1/8	124180
-4-2	1/4	- 1/8	124166
-4-4	1/4	- 1/4	200688
-6-4	3/8	- 1/4	124298
-6-6	3/8	- 3/8	201844
-8-4	1/2	- 1/4	124171
-8-6	1/2	- 3/8	124173
-8-8	1/2	- 1/2	201842
-12-8	3/4	- 1/2	124174
-12-12	3/4	- 3/4	119996
-16-6	1	- 3/8	201847
-16-8	1	- 1/2	201845
-16-12	1	- 3/4	124177
-16-16	1	- 1	117522
-20-20	1.1/4	- 1.1/4	203805
-24-24	1.1/2	- 1.1/2	203806
-32-32	2	- 2	216907

Dash	1	2	Article
-2-2	1/8	- 1/8	105272
-2-4	1/8	- 1/4	124167
-4-2	1/4	- 1/8	124168
-4-4	1/4	- 1/4	105261
-4-6	1/4	- 3/8	124169
-6-4	3/8	- 1/4	124170
-6-6	3/8	- 3/8	105302
-6-8	3/8	- 1/2	124172
-8-4	1/2	- 1/4	118576
-8-6	1/2	- 3/8	118575
-8-8	1/2	- 1/2	105247
-8-12	1/2	- 3/4	124175
-12-8	3/4	- 1/2	124176
-12-12	3/4	- 3/4	105290
-12-16	3/4	- 1	124178
-16-12	1	- 3/4	124179
-16-16	1	- 1	105234
-20-20	1.1/4	- 1.1/4	105324
-24-24	1.1/2	- 1.1/2	105279
-32-32	2	- 2	105312

Dash	1	2	Article
-2-2	1/8	- 1/8	124222
-4-2	1/4	- 1/8	212826
-4-4	1/4	- 1/4	203260
-6-4	3/8	- 1/4	212827
-6-6	3/8	- 3/8	202641
-8-4	1/2	- 1/4	212828
-8-6	1/2	- 3/8	212829
-8-8	1/2	- 1/2	201558
-12-8	3/4	- 1/2	212830
-12-12	3/4	- 3/4	203817
-16-6	1	- 3/8	212831
-16-8	1	- 1/2	212832
-16-12	1	- 3/4	212833
-16-16	1	- 1	124224
-20-20	1.1/4	- 1.1/4	203816
-24-24	1.1/2	- 1.1/2	124223
-32-32	2	- 2	203815

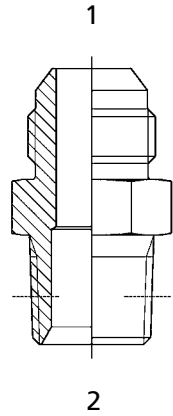
Dash	1	2	Article
-4-4	7/16	- 7/16	105332
-4-8	7/16	- 3/4	227108
-5-5	1/2	- 1/2	105242
-6-4	9/16	- 7/16	203847
-6-6	9/16	- 9/16	105336
-8-6	3/4	- 9/16	203848
-8-8	3/4	- 3/4	105283
-10-8	7/8	- 3/4	203850
-10-10	7/8	- 7/8	105334
-12-6	1.1/16	- 9/16	203849
-12-8	1.1/16	- 3/4	203851
-12-10	1.1/16	- 7/8	203852
-12-12	1.1/16	- 1.1/16	105228
-16-8	1.5/16	- 3/4	133114
-16-12	1.5/16	- 1.1/16	203853
-16-16	1.5/16	- 1.5/16	105229
-20-20	1.5/8	- 1.5/8	123659
-24-24	1.7/8	- 1.7/8	123660
-32-32	2.1/2	- 2.1/2	123661

Dash	1	2	Article
-4-2	7/16	- 1/8	117360
-4-4	7/16	- 1/4	105264
-4-6	7/16	- 3/8	200121
-4-8	7/16	- 1/2	200120
-5-4	1/2	- 1/4	105256
-6-2	9/16	- 1/8	130856
-6-4	9/16	- 1/4	117358
-6-6	9/16	- 3/8	105303
-6-8	9/16	- 1/2	124254
-8-4	3/4	- 1/4	105262
-8-6	3/4	- 3/8	124251
-8-8	3/4	- 1/2	105248
-8-12	3/4	- 3/4	124256
-10-6	7/8	- 3/8	124252
-10-6	7/8	- 1/2	124253
-10-8	7/8	- 3/4	124257
-12-8	1.1/16	- 1/2	124255
-12-12	1.1/16	- 3/4	105285
-12-16	1.1/16	- 1	128550
-16-20	1.1/16	- 1.1/4	218407
-20-12	1.5/16	- 3/4	132988
-20-16	1.5/16	- 1	105235
-20-20	1.5/16	- 1.1/4	124258
-24-20	1.5/8	- 1.1/4	124259
-24-24	1.7/8	- 1.1/2	127968
-32-32	2.1/2	- 2	133104

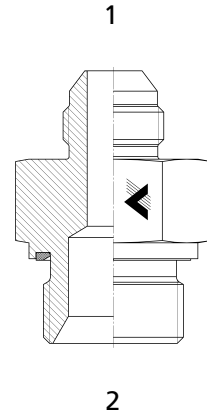
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JIC x BSPT



JIC x Metric -wd



Dash	1	2	Article
-4-2	7/16 - 1/8		124201
-5-2	1/2 - 1/8		215419
-6-2	9/16 - 1/8		215493
-4-4	7/16 - 1/4		124202
-5-4	1/2 - 1/4		124203
-6-4	9/16 - 1/4		124204
-8-4	3/4 - 1/4		124205
-4-6	7/16 - 3/8		124206
-5-6	1/2 - 3/8		215492
-6-6	9/16 - 3/8		124207
-8-6	3/4 - 3/8		124208
-10-6	7/8 - 3/8		124209
-4-8	7/16 - 1/2		215490
-6-8	9/16 - 1/2		124210
-8-8	3/4 - 1/2		124211
-10-8	7/8 - 1/2		124212
-12-8	1.1/16 - 1/2		200859
-16-8	1.5/16 - 1/2		215496
-6-12	9/16 - 3/4		124213
-8-12	3/4 - 3/4		215494
-10-12	7/8 - 3/4		215495
-12-12	1.1/16 - 3/4		124214
-16-12	1.5/16 - 3/4		124215
-12-16	1.1/16 - 1		124216
-16-16	1.5/16 - 1		124217

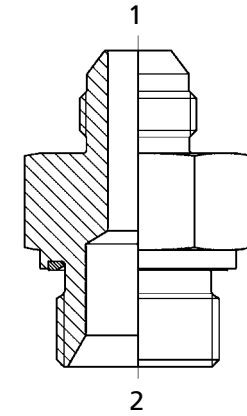
Dash	1	2	Article
-20-16	1.5/8 - 1		215498
-12-20	1.1/16 - 1.1/4		243107
-16-20	1.5/16 - 1.1/4		124218
-20-20	1.5/8 - 1.1/4		124219
-24-20	1.7/8 - 1.1/4		215500
-16-24	1.5/16 - 1.1/2		215497
-20-24	1.5/8 - 1.1/2		215499
-24-24	1.7/8 - 1.1/2		212692
-32-32	2.1/2 - 2		212693

Dash	1	2	Article
-4-M10	7/16 - M10x1.0WD		242058
-4-M12	7/16 - M12x1.5WD		242056
-6-M12	9/16 - M12x1.5WD		242288
-6-M14	9/16 - M14x1.5WD		212060
-6-M16	9/16 - M16x1.5WD		232675
-8-M18	3/4 - M18x1.5WD		233101
-10-M22	7/8 - M22x1.5WD		235375
-12-M27	1.1/16 - M27x2WD		230921

* WD = Encapsulated Seal.

Made in Germany

JIC x BSPP -wd



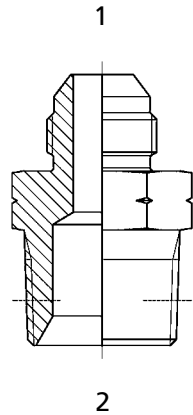
Dash	1	2	Article
-4-2	7/16 - 1/8WD		203506
-5-2	1/2 - 1/8WD		203510
-6-2	9/16 - 1/8WD		203514
-4-4	7/16 - 1/4WD		203507
-5-4	1/2 - 1/4WD		203511
-6-4	9/16 - 1/4WD		203515
-8-4	3/4 - 1/4WD		203518
-4-6	7/16 - 3/8WD		203508
-5-6	1/2 - 3/8WD		203512
-6-6	9/16 - 3/8WD		203516
-8-6	3/4 - 3/8WD		203519
-10-6	7/8 - 3/8WD		203522
-4-8	7/16 - 1/2WD		203509
-5-8	1/2 - 1/2WD		203513
-6-8	9/16 - 1/2WD		203517
-8-8	3/4 - 1/2WD		203520
-10-8	7/8 - 1/2WD		203523
-12-8	1.1/16 - 1/2WD		203526
-8-12	3/4 - 3/4WD		203521
-10-12	7/8 - 3/4WD		203524
-12-12	1.1/16 - 3/4WD		203527
-16-12	1.5/16 - 3/4WD		203530
-20-12	1.5/8 - 3/4WD		203534
-12-16	1.1/16 - 1WD		203528
-16-16	1.5/16 - 1WD		203531

Dash	1	2	Article
-20-16	1.5/8 - 1WD		203535
-24-16	1.7/8 - 1WD		203538
-12-20	1.1/16 - 1.1/4WD		203529
-16-20	1.5/16 - 1.1/4WD		203532
-20-20	1.5/8 - 1.1/4WD		203536
-24-20	1.7/8 - 1.1/4WD		203539
-16-24	1.5/16 - 1.1/2WD		203533
-20-24	1.5/8 - 1.1/2WD		203537
-24-24	1.7/8 - 1.1/2WD		203540
-32-32	2.1/2 - 2WD		232677

* WD = Encapsulated Seal.

Made in Germany

JIC x NPT

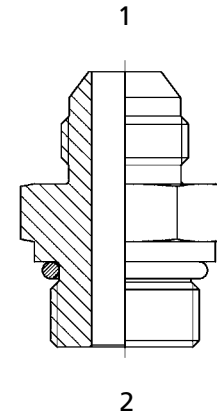


Dash	1	2	Article
-4-2	7/16 - 1/8		203568
-4-4	7/16 - 1/4		203569
-4-6	7/16 - 3/8		203570
-4-8	7/16 - 1/2		221068
-5-2	1/2 - 1/8		203575
-5-4	1/2 - 1/4		203576
-5-6	1/2 - 3/8		203577
-6-2	9/16 - 1/8		203571
-6-4	9/16 - 1/4		203572
-6-6	9/16 - 3/8		203573
-6-8	9/16 - 1/2		203574
-8-4	3/4 - 1/4		203578
-8-6	3/4 - 3/8		116569
-8-8	3/4 - 1/2		116568
-8-12	3/4 - 3/4		203579
-8-16	3/4 - 1		221067
-10-6	7/8 - 3/8		203580
-10-8	7/8 - 1/2		203581
-10-12	7/8 - 3/4		203582
-12-8	1.1/16 - 1/2		203583
-12-12	1.1/16 - 3/4		200622
-12-16	1.1/16 - 1		203584
-16-8	1.5/16 - 1/2		203585
-16-12	1.5/16 - 3/4		203586
-16-16	1.5/16 - 1		203587
-16-20	1.5/16 - 1.1/4		203588
-16-24	1.5/16 - 1.1/2		203589

Dash	1	2	Article
-20-12	1.5/8 - 3/4		215468
-20-16	1.5/8 - 1		203590
-20-20	1.5/8 - 1.1/4		203591
-20-24	1.5/8 - 1.1/2		203592
-24-16	1.7/8 - 1		117830
-24-20	1.7/8 - 1.1/4		203593
-24-24	1.7/8 - 1.1/2		117791
-24-32	1.7/8 - 2		218114
-32-32	2.1/2 - 2		225058

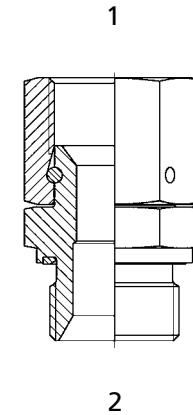
Made in Germany

JIC x UNO



Dash	1	2	Article
-4-4	7/16 - 7/16		204111
-4-5	7/16 - 1/2		204112
-4-6	7/16 - 9/16		204113
-4-8	7/16 - 3/4		204114
-6-4	9/16 - 7/16		218562
-6-5	9/16 - 1/2		204116
-6-6	9/16 - 9/16		204115
-6-8	9/16 - 3/4		204117
-6-10	9/16 - 7/8		212239
-6-12	9/16 - 1.1/16		221245
-8-6	3/4 - 9/16		221246
-8-8	3/4 - 3/4		204118
-8-10	3/4 - 7/8		204119
-8-12	3/4 - 1.1/16		204120
-10-8	7/8 - 3/4		221247
-10-10	7/8 - 7/8		204121
-10-12	7/8 - 1.1/16		204122
-12-10	1.1/16 - 7/8		216283
-12-12	1.1/16 - 1.1/16		204123
-12-16	1.1/16 - 1.5/16		204124
-16-12	1.5/16 - 1.1/16		218580
-16-16	1.5/16 - 1.5/16		204125
-16-20	1.5/16 - 1.5/8		204126
-20-20	1.5/8 - 1.5/8		204127
-20-24	1.5/8 - 1.7/8		216284
-24-24	1.7/8 - 1.7/8		221248

JICf x BSPP-WD

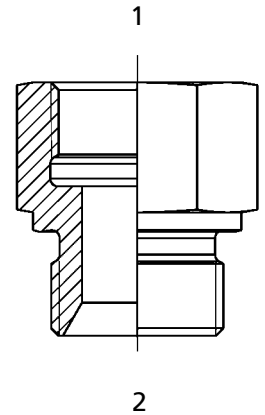


Dash	1	2	Article
-4-2	7/16 - 1/8WD		215512
-6-2	9/16 - 1/8WD		215516
-4-4	7/16 - 1/4WD		206648
-5-4	1/2 - 1/4WD		206649
-6-4	9/16 - 1/4WD		206650
-8-4	3/4 - 1/4WD		215518
-4-6	7/16 - 3/8WD		215474
-5-6	1/2 - 3/8WD		215515
-6-6	9/16 - 3/8WD		206651
-8-6	3/4 - 3/8WD		206652
-10-6	7/8 - 3/8WD		215520
-6-8	9/16 - 1/2WD		215517
-8-8	3/4 - 1/2WD		206653
-10-8	7/8 - 1/2WD		206654
-12-8	1.1/16 - 1/2WD		215523
-16-8	1.5/16 - 1/2WD		215524
-8-12	3/4 - 3/4WD		215519
-10-12	7/8 - 3/4WD		206655
-12-12	1.1/16 - 3/4WD		206656
-16-12	1.5/16 - 3/4WD		206658
-12-16	1.1/16 - 1WD		206657
-16-16	1.5/16 - 1WD		206659
-20-16	1.5/8 - 1WD		206660
-20-20	1.5/8 - 1.1/4WD		206661
-24-20	1.7/8 - 1.1/4WD		206662
-24-24	1.7/8 - 1.1/2WD		206663

* WD = Encapsulated Seal.

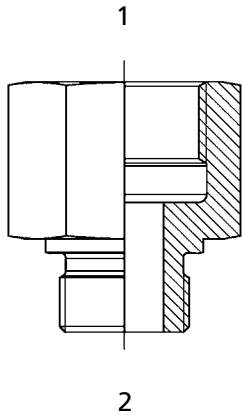
Made in Germany

BSPP x BSPP

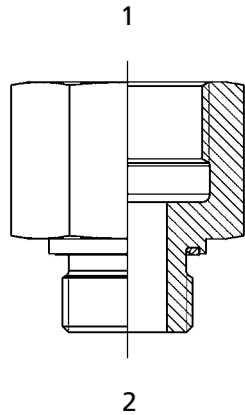


Dash	1	2	Article
-2-2	1/8 - 1/8		125256
-4-4	1/4 - 1/4		125257
-6-4	3/8 - 1/4		125683
-6-6	3/8 - 3/8		125258
-8-8	1/2 - 1/2		125259
-10-10	1/2 - 3/4		125684
-12-12	3/4 - 3/4		125260
-16-16	1 - 1		125261
-20-20	1.1/4 - 1.1/4		125262
-24-24	1.1/2 - 1.1/2		125263
-32-32	2 - 2		125264

BSPP x BSPP



BSPP-WD x BSPP



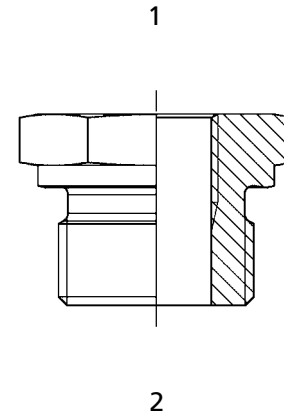
Dash	1	2	Article
-4-2	1/4	- 1/8	103829
-6-2	3/8	- 1/8	103832
-8-2	1/2	- 1/8	200556
-4-4	1/4	- 1/4	115461
-6-4	3/8	- 1/4	103826
-8-4	1/2	- 1/4	103817
-12-4	3/4	- 1/4	103824
-6-6	3/8	- 3/8	202018
-8-6	1/2	- 3/8	103865
-12-6	3/4	- 3/8	103871
-12-8	3/4	- 1/2	103809
-16-8	1	- 1/2	103807
-20-8	1.1/4	- 1/2	103815
-16-12	1	- 3/4	103854
-20-12	1.1/4	- 3/4	103863
-24-12	1.1/2	- 3/4	103861
-20-16	1.1/4	- 1	103847
-24-16	1.1/2	- 1	103843
-24-20	1.1/2	- 1.1/4	103882

Dash	1	2	Article
-4-2	1/4	- 1/8	103831
-6-2	3/8	- 1/8	103833
-8-2	1/2	- 1/8	126612
-4-4	1/4	- 1/4	126613
-6-4	3/8	- 1/4	103828
-8-4	1/2	- 1/4	103819
-12-4	3/4	- 1/4	103825
-6-6	3/8	- 3/8	126614
-8-6	1/2	- 3/8	103866
-12-6	3/4	- 3/8	103873
-12-8	3/4	- 1/2	103812
-16-8	1	- 1/2	103808
-20-8	1.1/4	- 1/2	103816
-16-12	1	- 3/4	103860
-20-12	1.1/4	- 3/4	103864
-24-12	1.1/2	- 3/4	103862
-20-16	1.1/4	- 1	103848
-24-16	1.1/2	- 1	103844
-24-20	1.1/2	- 1.1/4	103883

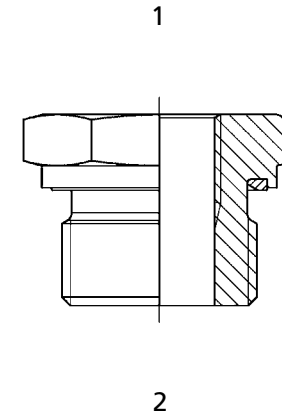
* WD = Encapsulated Seal.

Made in Germany

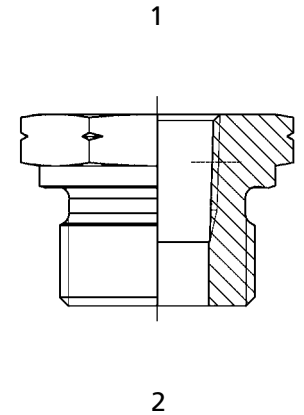
BSPP x BSPP



BSPP-WD x BSPP



BSPP x NPT



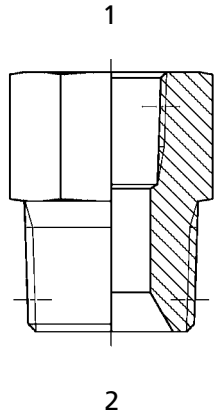
Dash	1	2	Article
-2-4	1/8	- 1/4	103822
-2-6	1/8	- 3/8	103795
-4-6	1/4	- 3/8	202802
-2-8	1/8	- 1/2	103770
-4-8	1/4	- 1/2	103768
-6-8	3/8	- 1/2	207695
-4-12	1/4	- 3/4	103791
-6-12	3/8	- 3/4	103792
-8-12	1/2	- 3/4	103855
-6-16	3/8	- 1	207696
-8-16	1/2	- 1	103777
-12-16	3/4	- 1	202801
-12-20	3/4	- 1.1/4	103800
-16-20	1	- 1.1/4	103880
-12-24	3/4	- 1.1/2	103789
-16-24	1	- 1.1/2	103785
-20-24	1.1/4	- 1.1/2	103852
-20-32	1.1/4	- 2	120656
-24-32	1.1/2	- 2	103851

Dash	1	2	Article
-2-4	1/8	- 1/4	103823
-2-6	1/8	- 3/8	103796
-4-6	1/4	- 3/8	103869
-2-8	1/8	- 1/2	103771
-4-8	1/4	- 1/2	103769
-6-8	3/8	- 1/2	103814
-4-12	1/4	- 3/4	103858
-6-12	3/8	- 3/4	103793
-8-12	1/2	- 3/4	103857
-6-16	3/8	- 1	103783
-8-16	1/2	- 1	103778
-12-16	3/4	- 1	103846
-8-20	1/2	- 1.1/4	103799
-12-20	3/4	- 1.1/4	103801
-16-20	1	- 1.1/4	103881
-12-24	3/4	- 1.1/2	103790
-16-24	1	- 1.1/2	103788
-20-24	1.1/4	- 1.1/2	103853
-8-32	1/2	- 2	218367
-20-32	1.1/4	- 2	207697
-24-32	1.1/2	- 2	103850

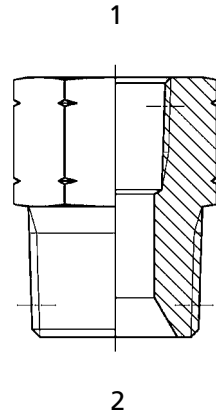
* WD = Encapsulated Seal.

Made in Germany

BSPT x BSPT



NPT x NPT



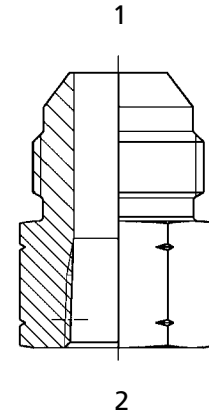
Dash	1	2	Article
-2-2	1/8	- 1/8	125230
-4-2	1/4	- 1/8	125234
-6-2	3/8	- 1/8	125235
-8-2	1/2	- 1/8	125236
-2-4	1/8	- 1/4	124189
-4-4	1/4	- 1/4	124190
-6-4	3/8	- 1/4	125237
-8-4	1/2	- 1/4	125239
-12-4	3/4	- 1/4	125240
-2-6	1/8	- 3/8	124191
-4-6	1/4	- 3/8	124192
-6-6	3/8	- 3/8	126387
-8-6	1/2	- 3/8	125241
-12-6	3/4	- 3/8	125243
-16-6	1	- 3/8	241488
-4-8	1/4	- 1/2	124193
-6-8	3/8	- 1/2	124194
-8-8	1/2	- 1/2	124195
-12-8	3/4	- 1/2	124245
-16-8	1	- 1/2	125246
-20-8	1.1/4	- 1/2	241487
-6-12	3/8	- 3/4	124196
-8-12	1/2	- 3/4	124197
-12-12	3/4	- 3/4	124198
-16-12	1	- 3/4	125248
-20-12	1.1/4	- 3/4	241486
-8-16	1/2	- 1	124199
-12-16	3/4	- 1	124200

Dash	1	2	Article
-16-16	1	- 1	125249
-16-20	1	- 1.1/4	125251
-24-16	1.1/2	- 1	241485
-24-20	1.1/2	- 1.1/4	241484
-32-16	2	- 1	241564
-32-24	2	- 1.1/2	241483
Extended Adaptors			
-2-2	1/8 - 1/8	x 11mm	134897
-2-2	1/8 - 1/8	x 25mm	135026
-2-2	1/8 - 1/8	x 30mm	134898
-2-2	1/8 - 1/8	x 40mm	134899
-2-2	1/8 - 1/8	x 50mm	135027

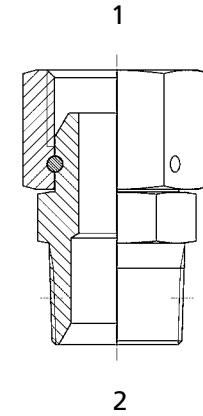
Dash	1	2	Article
-2-4	1/8	- 1/4	124225
-4-4	1/4	- 1/4	124226
-6-4	3/8	- 1/4	239789
-2-6	1/8	- 3/8	212861
-4-6	1/4	- 3/8	124227
-8-6	1/2	- 3/8	239788
-4-8	1/4	- 1/2	124228
-6-8	3/8	- 1/2	124229
-12-8	3/4	- 1/2	222005
-4-12	1/4	- 3/4	233683
-8-12	1/2	- 3/4	124230
-16-12	1	- 3/4	222006
-8-16	1/2	- 1	212238
-6-16	3/8	- 1	124231
-12-16	3/4	- 1	124232
-16-24	1	- 1.1/2	207812
-20-08	1.1/4	- 1/2	241492
-20-12	1.1/4	- 3/4	241491
-20-16	1.1/4	- 1	241490
-32-24	2	- 1.1/2	241489

Made in Germany

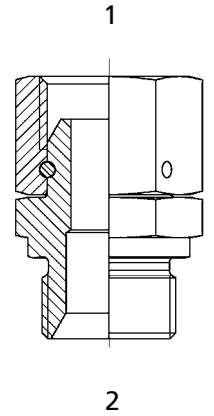
JIC x NPTF



BSPP x BSPT



BSPP x BSPP



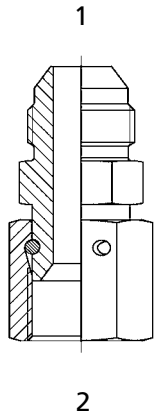
Dash	1	2	Article
-4-2	7/16	- 1/8	212787
-4-4	7/16	- 1/4	212686
-4-6	7/16	- 3/8	212789
-4-8	7/16	- 1/2	212790
-6-4	9/16	- 1/4	212791
-6-6	9/16	- 3/8	212687
-6-8	9/16	- 1/2	212792
-8-6	3/4	- 3/8	212793
-8-8	3/4	- 1/2	212794
-10-8	7/8	- 1/2	212795
-10-12	7/8	- 3/4	212796
-12-12	1.1/16	- 3/4	212694
-16-12	1.5/16	- 3/4	212797
-16-16	1.5/16	- 1	212788

Dash	1	2	Article
-4-4	1/4	- 1/4	125114
-6-4	3/8	- 1/4	207173
-6-6	3/8	- 3/8	125113
-8-8	1/2	- 1/2	125396
-12-12	3/4	- 3/4	125397
-16-16	1	- 1	125398
-20-20	1.1/4	- 1.1/4	125399
-24-24	1.1/2	- 1.1/2	125400
-32-32	2	- 2	125401

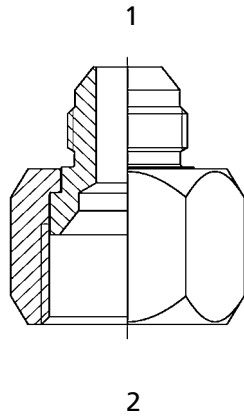
Dash	1	2	Article
-4-2	1/4	- 1/8	125372
-4-4	1/4	- 1/4	125373
-6-4	3/8	- 1/4	125375
-6-6	3/8	- 3/8	125376
-8-6	1/2	- 3/8	125378
-8-8	1/2	- 1/2	125116
-12-8	3/4	- 1/2	125115
-12-12	3/4	- 3/4	125379
-16-12	1	- 3/4	125380
-16-16	1	- 1	125381
-20-20	1.1/4	- 1.1/4	125383
-24-24	1.1/2	- 1.1/2	125385
-32-32	2	- 2	125386

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JIC x JIC



JIC x JIC

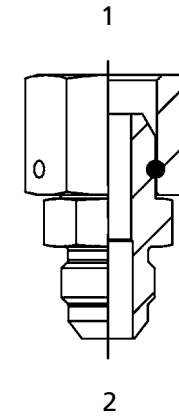


Dash	1	2	Article
-4-4	7/16	- 7/16	207335
-6-4	9/16	- 7/16	235347
-6-6	9/16	- 9/16	207339
-8-6	3/4	- 9/16	207343
-8-8	3/4	- 3/4	207344
-8-10	3/4	- 7/8	203938
-10-8	7/8	- 3/4	207346
-10-10	7/8	- 7/8	207347
-10-12	7/8	- 1.1/16	203940
-12-8	1.1/16	- 3/4	235348
-12-10	1.1/16	- 7/8	207348
-12-12	1.1/16	- 1.1/16	207349
-16-12	1.5/16	- 1.1/16	239806
-16-16	1.5/16	- 1.5/16	207351
-20-20	1.7/8	- 1.7/8	207357

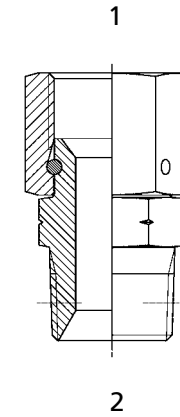
Dash	1	2	Article
-4-6	7/16	- 9/16	203934
-4-8	7/16	- 3/4	203935
-4-10	7/16	- 7/8	215560
-4-12	7/16	- 1.1/16	227154
-6-8	9/16	- 3/4	207936
-6-10	9/16	- 7/8	215513
-6-12	9/16	- 1.1/16	203937
-8-12	3/4	- 1.1/16	207345
-8-16	3/4	- 1.5/16	218570
-12-16	1.1/16	- 1.5/16	206994
-16-20	1.5/16	- 1.5/8	218863
-16-24	1.5/16	- 1.7/8	218116
-20-24	1.5/8	- 1.7/8	213060

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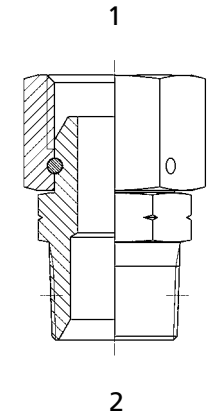
BSPP x JIC



JIC x NPT



BSPP x NPT



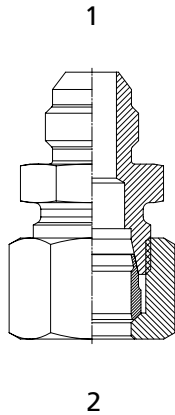
Dash	1	2	Article
-4-6	1/4	- 9/16	209278
-6-6	3/8	- 9/16	209277

Dash	1	2	Article
-4-2	7/16	- 1/8	207471
-4-4	7/16	- 1/4	207472
-5-2	1/2	- 1/8	207473
-5-4	1/2	- 1/4	207474
-6-4	9/16	- 1/4	207475
-6-6	9/16	- 3/8	207476
-8-4	3/4	- 1/4	207477
-8-6	3/4	- 3/8	207478
-8-8	3/4	- 1/2	207479
-10-6	7/8	- 3/8	207480
-10-8	7/8	- 1/2	207481
-12-8	1.1/16	- 1/2	207482
-12-12	1.1/16	- 3/4	207483
-16-12	1.5/16	- 3/4	207484
-16-16	1.5/16	- 1	207485
-20-20	1.5/8	- 1.1/4	207486
-24-24	1.5/8	- 1.1/2	207487

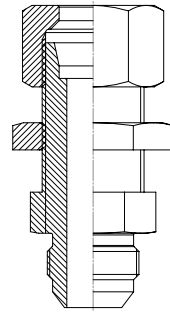
Dash	1	2	Article
-4-4	1/4	- 1/4	125402
-6-6	3/8	- 3/8	125403
-8-8	1/2	- 1/2	125404
-12-12	3/4	- 3/4	125405
-16-16	1	- 1	125406
-20-20	1.1/4	- 1.1/4	125407
-24-24	1.1/2	- 1.1/2	125408
-32-32	2	- 2	125409

Made in Germany

JIC x Metric



JIC x Metric BH



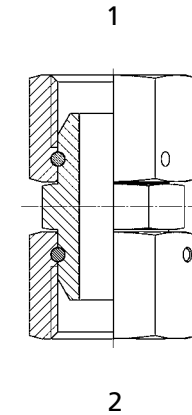
Dash	1	2	Article
-4-06L	7/16	- 06L	218974
-4-08L	7/16	- 08L	240011
-4-10L	7/16	- 10L	219024
-5-08L	1/2	- 08L	219017
-6-06L	9/16	- 06L	219023
-6-08L	9/16	- 08L	218997
-6-10L	9/16	- 10L	218998
-6-12L	9/16	- 12L	218976
-8-10L	3/4	- 10L	218999
-8-12L	3/4	- 12L	218975
-8-28L	3/4	- 28L	239699
-10-15L	7/8	- 15L	219000
-10-18L	7/8	- 18L	219020
-12-15L	1.1/16	- 15L	219001
-12-18L	1.1/16	- 18L	219002
-12-22L	1.1/16	- 22L	219016
-12-35L	1.1/16	- 35L	218983
-16-22L	1.5/16	- 22L	219003
-16-28L	1.5/16	- 28L	219004
-16-35L	1.5/16	- 35L	218985
-20-35L	1.5/8	- 35L	218984
-24-42L	1.7/8	- 42L	219022

Dash	1	2	Article
-4-06S	7/16	- 06S	219005
-5-08S	1/2	- 08S	219018
-6-08S	9/16	- 08S	219006
-6-10S	9/16	- 10S	219007
-6-12S	9/16	- 12S	230742
-8-10S	3/4	- 10S	219008
-8-12S	3/4	- 12S	219009
-8-16S	3/4	- 16S	231433
-8-20S	3/4	- 20S	218979
-8-25S	3/4	- 25S	218980
-10-14S	7/8	- 14S	219019
-10-16S	7/8	- 16S	219010
-12-16S	1.1/16	- 16S	219011
-12-20S	1.1/16	- 20S	218977
-12-25S	1.1/16	- 25S	231431
-12-30S	1.1/16	- 30S	218981
-16-20S	1.5/16	- 20S	218978
-16-25S	1.5/16	- 25S	219012
-16-30S	1.5/16	- 30S	218982
-20-30S	1.5/8	- 30S	219013
-24-38S	1.7/8	- 38S	219021

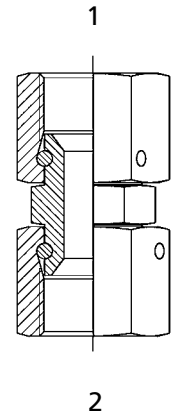
Dash	Size	Article
-20S-12	20S - 1.1/16	219221
-30S-16	30S - 1.5/16	218986
-35L-20	35L - 1.5/8	218987

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BSPP x BSPP



JIC x JIC



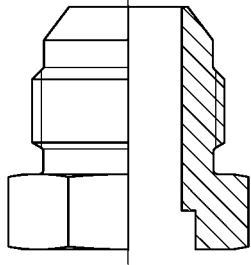
Dash	1	2	Article
-4-4	1/4	- 1/4	125388
-6-6	3/8	- 3/8	125390
-8-8	1/2	- 1/2	125389
-12-12	3/4	- 3/4	125391
-16-16	1	- 1	125392
-20-20	1.1/4	- 1.1/4	125393
-24-24	1.1/4	- 1.1/2	125394
-32-32	2	- 2	125395

Dash	1	2	Article
-4-4	7/16	- 7/16	204137
-5-5	1/2	- 1/2	204138
-6-6	9/16	- 9/16	204139
-8-8	3/4	- 3/4	204140
-10-10	7/8	- 7/8	204141
-12-12	1.1/16	- 1.1/16	204142
-16-16	1.5/16	- 1.5/16	204143
-20-20	1.5/8	- 1.5/8	204144
-24-24	1.7/8	- 1.7/8	204145

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JIC Tube Weld

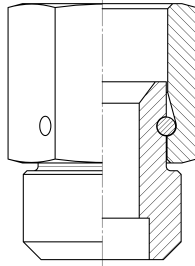
1



2

JIC Female x Tube/Butt Weld

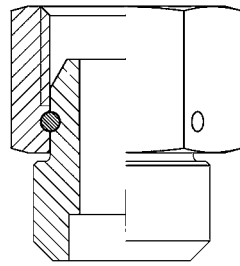
1



2

BSPP Female x Tube/Butt Weld

1



2

Dash	1	2	Article
-4-4	7/16	- 1/4	129519
-6-6	9/16	- 3/8	129520
-8-8	3/4	- 1/2	129521
-10-10	7/8	- 5/8	129522
-12-12	1.1/16	- 3/4	129523
-16-16	1.5/16	- 1	129524
-20-20	1.5/8	- 1.1/4	241571
-24-24	1.7/8	- 1.1/2	135055

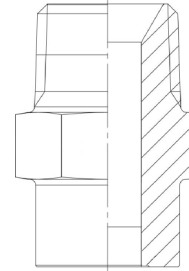
Dash	1	2	Article
-4-4	7/16	- 1/4	223262
-6-4	9/16	- 1/4	223263
-6-6	9/16	- 3/8	223264
-8-6	3/4	- 3/8	223265
-8-8	3/4	- 1/2	223266
-10-8	7/8	- 1/2	223267
-12-12	1.1/16	- 3/4	223268
-16-16	1.5/16	- 1	223269
-20-20	1.5/8	- 1.1/4	223270
-24-24	1.7/8	- 1.1/2	223271
-32-32	2.1/2	- 2	223272

Dash	1	2	Article
-4-4	1/4	- 1/4	223273
-6-6	3/8	- 3/8	223274
-8-8	1/2	- 1/2	223275
-12-12	3/4	- 3/4	223276
-16-16	1	- 1	223277
-20-20	1.1/4	- 1.1/4	223278
-24-24	1.1/2	- 1.1/2	223279
-32-32	2	- 2	223280

Made in Germany

BSPT Butt Weld

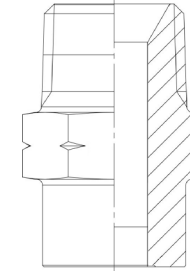
1



2

NPT Butt Weld

1



2

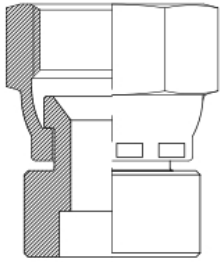
Dash	1	2	Article
-2-2	1/8	- 1/8	544415
-4-4	1/4	- 1/4	544416
-6-6	3/8	- 3/8	544417
-8-8	1/2	- 1/2	544418
-12-12	3/4	- 3/4	544419
-16-16	1	- 1	544420
-20-20	1.1/4	- 1.1/4	544421
-24-24	1.1/2	- 1.1/2	544422
-32-32	2	- 2	544423

*NV

Dash	1	2	Article
-2-2	1/8	- 1/8	543640
-4-4	1/4	- 1/4	543641
-6-6	3/8	- 3/8	543642
-8-8	1/2	- 1/2	543643
-12-12	3/4	- 3/4	543644
-16-16	1	- 1	543645
-20-20	1.1/4	- 1.1/4	543646
-24-24	1.1/2	- 1.1/2	543647
-32-32	2	- 2	543648

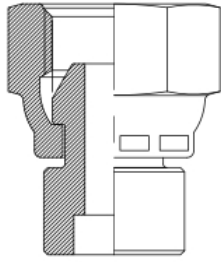
*NV

**JIC Female x
Tube/Butt Weld**
1



2

**BSPP Female x
Tube/Butt Weld**
1



2

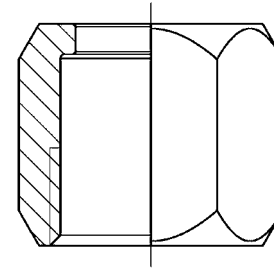
Dash	1	2	Article
-4-4	7/16	- 1/4	523262
-6-6	9/16	- 3/8	523264
-8-6	3/4	- 3/8	523265
-8-8	3/4	- 1/2	523266
-10-8	7/8	- 1/2	523267
-12-12	1.1/16	- 3/4	523268
-16-16	1.5/16	- 1	523269
-20-20	1.5/8	- 1.1/4	523270
-24-24	1.7/8	- 1.1/2	523271
-32-32	2.1/2	- 2	523272

Dash	1	2	Article
-4-4	1/4	- 1/4	523273
-6-6	3/8	- 3/8	523274
-8-8	1/2	- 1/2	523275
-12-12	3/4	- 3/4	523276
-16-16	1	- 1	523277
-20-20	1.1/4	- 1.1/4	523278
-24-24	1.1/2	- 1.1/2	523279
-32-32	2	- 2	523280

*NV

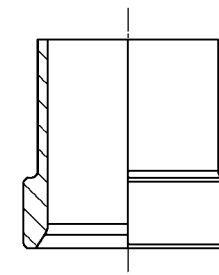
*NV

JIC Tube Nut

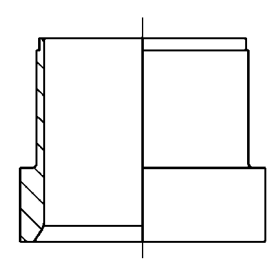


2

Tube Sleeve Imperial



Tube Sleeve Metric



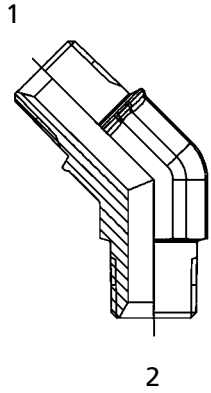
Dash	Tube	2	Article
-4	1/4	7/16	203409
-5	5/16	1/2	203410
-6	3/8	9/16	203411
-8	1/2	3/4	203412
-10	5/8	7/8	203413
-12	3/4	1.1/16	203414
-12-18mm	18mm	1.1/16	203414
-16	1	1.5/16	203415
-20	1.1/4	1.5/8	134722
-20-28/30mm	28/30mm	1.5/16	203416
-24	1.1/2	1.7/8	203417
-32	2	2.1/2	203418

Dash	Tube	Article
-4	1/4	203436
-5	5/16	203437
-6	3/8	203438
-8	1/2	203439
-10	5/8	203440
-12	3/4	203441
-16	1	203442
-20	1.1/4	203443
-24	1.1/2	203444
-32	2	203445

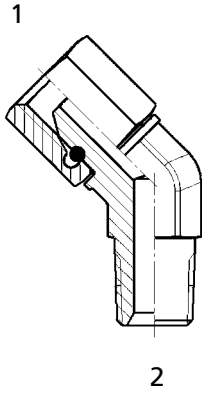
Dash	Tube	Article
06	06	203419
08	08	203420
10	10	203421
12	12	203422
14	14	203423
15	15	203424
16	16	203425
18	18	203426
20	20	203427
22	22	203428
25	25	203429
28	28	203430
30	30	203431
35	35	203433
38	38	203434
50	50	203435

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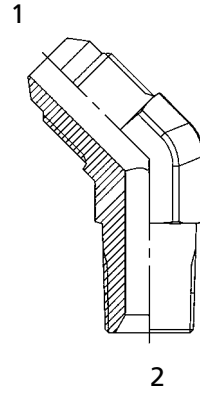
BSPT x BSPT



BSPP x BSPT



BSPT x JIC



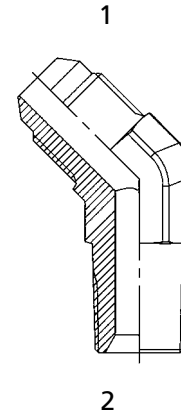
Dash	1	2	Article
-4-4	1/4	- 1/4	135378
-6-6	3/8	- 3/8	217767
-8-8	1/2	- 1/2	
-12-12	3/4	- 3/4	217766
-16-16	1	- 1	

Dash	1	2	Article
-2-2	1/8	- 1/8	213505
-4-4	1/4	- 1/4	213504
-6-6	3/8	- 3/8	241418
-8-8	1/2	- 1/2	241420
-12-12	3/4	- 3/4	241414
-16-16	1	- 1	241416

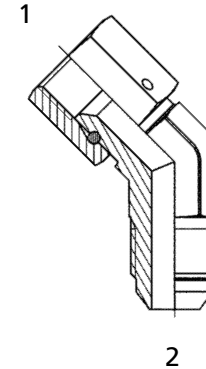
Dash	1	2	Article
-4-2	7/16	- 1/8	217900
-4-4	7/16	- 1/4	135022
-6-4	9/16	- 1/4	
-6-4	9/16	- 3/8	
-8-6	3/4	- 3/8	
-8-8	3/4	- 1/2	
-10-8	7/8	- 1/2	
-12-12	1.1/16	- 3/4	

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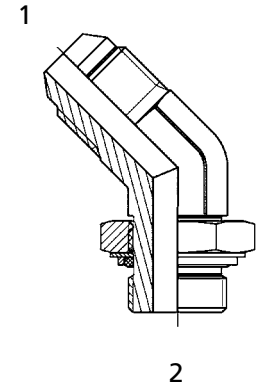
JIC x NPT



JIC x JIC



JIC x UNO



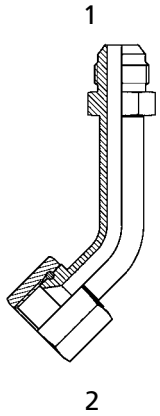
Dash	1	2	Article
-4-2	7/16	- 1/8	227109
-4-4	7/16	- 1/4	227110
-6-4	9/16	- 1/4	218402
-8-8	3/4	- 1/2	221070
-12-12	1.1/16	- 3/4	227111
-16-16	1.5/16	- 1	227112

Dash	1	2	Article
-4-4	7/16	- 7/16	206842
-6-6	9/16	- 9/16	206844
-8-8	3/4	- 3/4	206845
-10-10	7/8	- 7/8	206846
-12-12	1.1/16	- 1.1/16	206847
-16-16	1.5/16	- 1.5/16	206848
-20-20	1.5/8	- 1.5/8	206849
-24-24	1.7/8	- 1.7/8	206850
-32-32	2.1/2	- 2.1/2	206851

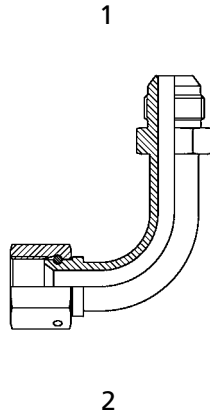
Dash	1	2	Article
-4-4	7/16	- 7/16	208561
-6-6	9/16	- 9/16	208562
-8-8	3/4	- 3/4	208563
-10-10	7/8	- 7/8	208564
-12-12	1.1/16	- 1.1/16	208565

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JIC x JIC



JIC x JIC

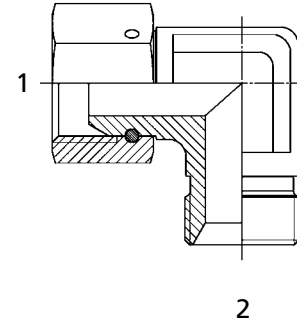


Dash	1	2	Article
-4-4	7/16	- 7/16	206570
-5-5	1/2	- 1/2	208085
-6-6	9/16	- 9/16	208089
-8-8	3/4	- 3/4	208092
-10-10	7/8	- 7/8	208093
-12-12	1.1/16	- 1.1/16	208095
-16-16	1.5/16	- 1.5/16	208098
-20-20	1.5/8	- 1.5/8	208099
-24-24	1.7/8	- 1.7/8	208101

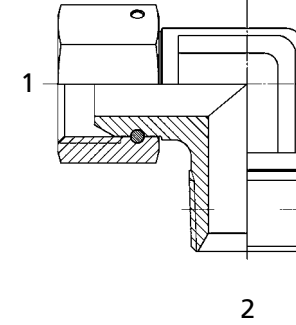
Dash	1	2	Article
-4-4	7/16	- 7/16	206569
-5-5	1/2	- 1/2	208066
-6-6	9/16	- 9/16	208070
-8-8	3/4	- 3/4	208072
-10-10	7/8	- 7/8	208074
-12-12	1.1/16	- 1.1/16	208077
-16-16	1.5/16	- 1.5/16	208080
-20-20	1.5/8	- 1.5/8	208082
-24-24	1.7/8	- 1.7/8	208084

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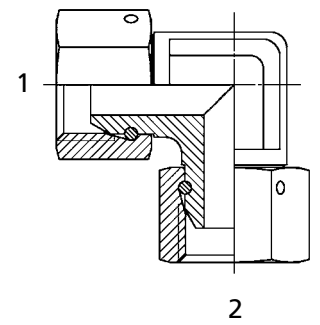
BSPP x BSPP



BSPP x BSPT



BSPP x BSPP



Dash	1	2	Article
-2-2	1/8	- 1/8	125412
-4-4	1/4	- 1/4	125413
-6-6	3/8	- 3/8	125414
-8-8	1/2	- 1/2	125415
-10-10	5/8	- 5/8	207164
-12-12	3/4	- 3/4	125416
-16-16	1	- 1	125130

Dash	1	2	Article
-2-2	1/8	- 1/8	125430
-4-4	1/4	- 1/4	204210
-6-6	3/8	- 3/8	204211
-8-8	1/2	- 1/2	204212
-12-12	3/4	- 3/4	204213
-16-16	1	- 1	204214

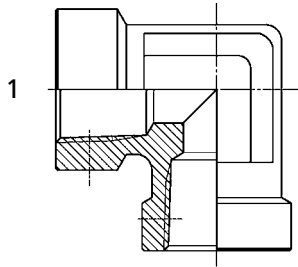
Dash	1	2	Article
-2-2	1/8	- 1/8	125421
-4-4	1/4	- 1/4	125422
-6-6	3/8	- 3/8	125423
-8-8	1/2	- 1/2	125424
-10-10	5/8	- 5/8	207225
-12-12	3/4	- 3/4	125425
-16-16	1	- 1	125426

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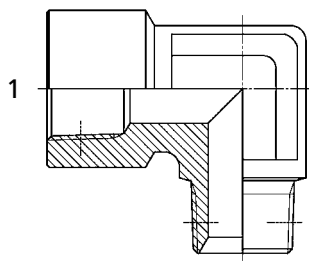
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BSPT x BSPT

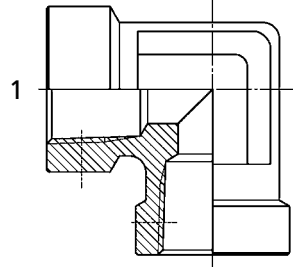
BSPP x BSPP



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Dash	1	2	Article
-16-16	1	- 1	218115

Dash	1	2	Article
-4-4	1/4	- 1/4	204221
-6-6	3/8	- 3/8	204222
-8-8	1/2	- 1/2	204223
-12-12	3/4	- 3/4	204224
-16-16	1	- 1	204225
-20-20	1.1/4	- 1.1/4	204226

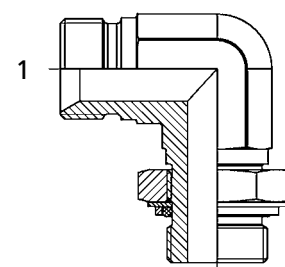
Made in Germany

Dash	1	2	Article
-2-2	1/8	- 1/8	125275
-4-4	1/4	- 1/4	125276
-6-6	3/8	- 3/8	125277
-8-8	1/2	- 1/2	125278
-12-12	3/4	- 3/4	125279
-16-16	1	- 1	125280
-20-20	1.1/4	- 1.1/4	125281

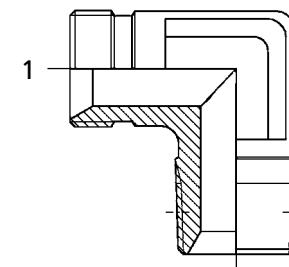
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BSPP x BSPT

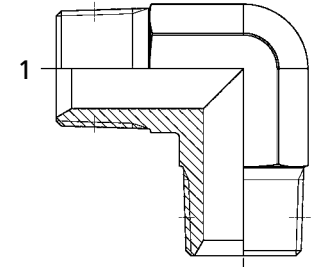
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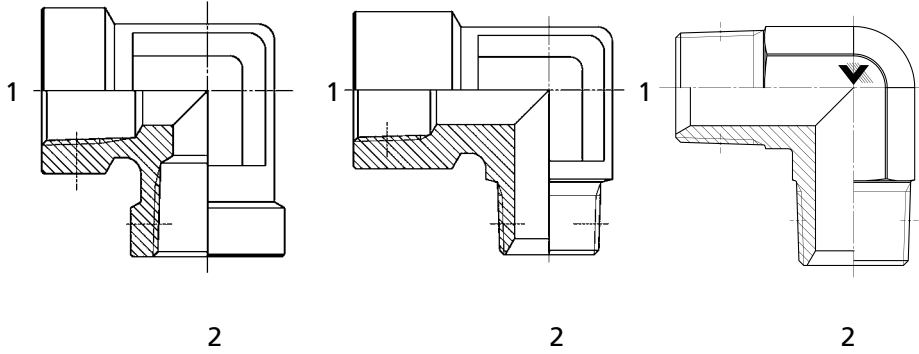
Dash	1	2	Article
-2-2	1/8	- 1/8	207030
-4-4	1/4	- 1/4	207031
-6-6	3/8	- 3/8	207022
-8-8	1/2	- 1/2	207032
-12-8	3/4	- 1/2	207033
-12-12	3/4	- 3/4	207023
-16-16	1	- 1	207034
-20-20	1.1/4	- 1.1/4	207035
-24-24	1.1/2	- 1.1/2	207036

Dash	1	2	Article
-2-2	1/8	- 1/8	125265
-4-4	1/4	- 1/4	201398
-6-6	3/8	- 3/8	204455
-8-8	1/2	- 1/2	204456
-12-12	3/4	- 3/4	204457
-16-16	1	- 1	204458
-20-20	1.1/4	- 1.1/4	125271

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Dash	1	2	Article
-2-2	1/8	- 1/8	207375
-4-4	1/4	- 1/4	207376
-6-6	3/8	- 3/8	207377
-8-8	1/2	- 1/2	207378
-12-12	3/4	- 3/4	207379
-16-16	1	- 1	207380

NPT x NPT



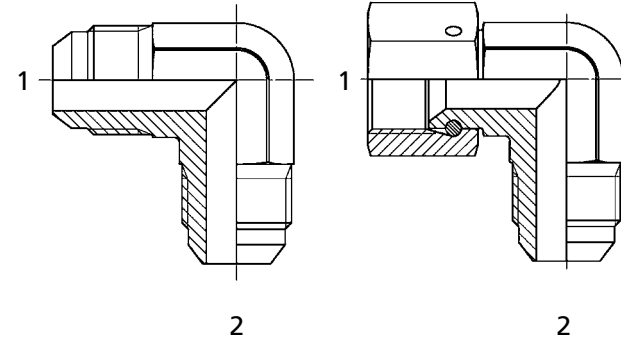
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-2-2	1/8	- 1/8	125266
-4-4	1/4	- 1/4	125267
-6-6	3/8	- 3/8	125268
-8-8	1/2	- 1/2	125269
-12-12	3/4	- 3/4	125270
-16-16	1	- 1	125284

Dash	1	2	Article
-4-4	1/4	- 1/4	212682
-6-6	3/8	- 3/8	212681
-8-8	1/2	- 1/2	212841
-12-12	3/4	- 3/4	212842
-16-16	1	- 1	212843
-20-20	1.1/4	- 1.1/4	212844

Dash	1	2	Article
-4-4	1/4	- 1/4	208926

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JIC x JIC



Dash	1	2	Article
-4-4	7/16	- 7/16	100101
-5-5	1/2	- 1/2	126505
-6-6	9/16	- 9/16	100103
-8-8	3/4	- 3/4	100091
-10-10	7/8	- 7/8	100102
-12-12	1.1/16	- 1.1/16	100085
-16-16	1.5/16	- 1.5/16	100088
-20-20	1.5/8	- 1.5/8	100084
-24-24	1.7/8	- 1.7/8	126506

Dash	1	2	Article
-4-4	7/16	- 7/16	206697
-5-5	1/2	- 1/2	206698
-6-6	9/16	- 9/16	206699
-8-8	3/4	- 3/4	206700
-10-10	7/8	- 7/8	206701
-12-12	1.1/16	- 1.1/16	206702
-16-16	1.5/16	- 1.5/16	206703
-20-20	1.5/8	- 1.5/8	207323
-24-24	1.7/8	- 1.7/8	207324
Below Item *NV			
-32-32	2.1/2	- 2.1/2	503115

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JIC x BSPT

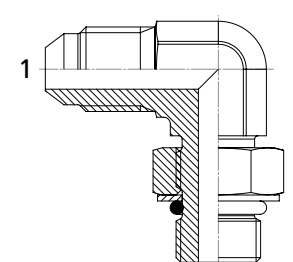
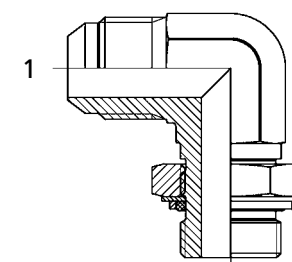
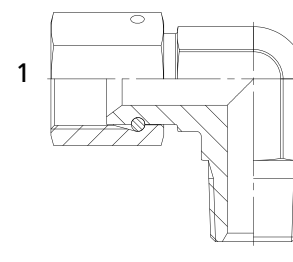
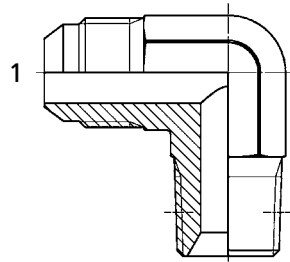
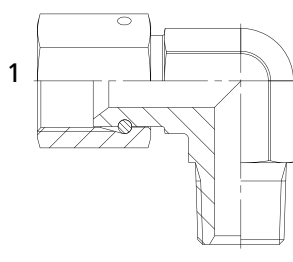
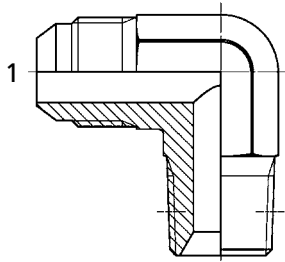
JIC x BSPT

JIC x NPT

JIC x NPT

JIC x BSPP

JIC x UNO



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Dash	1	2	Article
-4-2	7/16 - 1/8		206680
-4-4	7/16 - 1/4		206681
-4-6	7/16 - 3/8		215502
-5-2	1/2 - 1/8		207268
-5-4	1/2 - 1/4		206682
-6-2	9/16 - 1/8		215504
-6-4	9/16 - 1/4		206683
-6-6	9/16 - 3/8		206684
-6-8	9/16 - 1/2		207269
-8-4	3/4 - 1/4		207270
-8-6	3/4 - 3/8		206685
-8-8	3/4 - 1/2		206686
-10-6	7/8 - 3/8		207271
-10-8	7/8 - 1/2		206687
-10-12	7/8 - 3/4		207272
-12-8	1.1/16 - 1/2		207273
-12-12	1.1/16 - 3/4		206688
-12-16	1.1/16 - 1		207274
-16-12	1.5/16 - 3/4		207275
-16-16	1.5/16 - 1		206689
-20-20	1.5/8 - 1.1/4		207277
-24-24	1.7/8 - 1.1/2		207278

Dash	1	2	Article
-6-2	9/16 - 1/8		244945
-6-4	9/16 - 1/4		244944

Dash	1	2	Article
-4-2	7/16 - 1/8		206624
-5-2	1/2 - 1/8		215472
-6-2	9/16 - 1/8		215475
-4-4	7/16 - 1/4		206625
-6-4	9/16 - 1/4		206626
-8-4	3/4 - 1/4		215477
-4-6	7/16 - 3/8		132514
-5-6	1/2 - 3/8		215473
-6-6	9/16 - 3/8		206627
-8-6	3/4 - 3/8		206628
-10-6	7/8 - 3/8		215478
-4-8	7/16 - 1/2		132515
-6-8	9/16 - 1/2		215476
-8-8	3/4 - 1/2		206629
-10-8	7/8 - 1/2		206630
-12-8	1.1/16 - 1/2		215480
-16-8	1.5/16 - 1/2		215482
-10-12	7/8 - 3/4		215479
-12-12	1.1/16 - 3/4		206631
-16-12	1.5/16 - 3/4		215483
-12-16	1.1/16 - 1		215481
-16-16	1.5/16 - 1		128805
-20-16	1.5/8 - 1		215485
-24-16	1.7/8 - 1		215487
-20-20	1.5/8 - 1.1/4		215486
-24-20	1.7/8 - 1.1/4		215488
-24-24	1.7/8 - 1.1/2		215489

Dash	1	2	Article
-4-2	7/16 - 1/8		207312
-5-2	1/2 - 1/8		207367
-4-4	7/16 - 1/4		207313
-5-4	1/2 - 1/4		207314
-6-4	9/16 - 1/4		207315
-8-4	3/4 - 1/4		207368
-4-6	7/16 - 3/8		215538
-5-6	1/2 - 3/8		215539
-6-6	9/16 - 3/8		207316
-8-6	3/4 - 3/8		207317
-10-6	7/8 - 3/8		207369
-6-8	9/16 - 1/2		215540
-8-8	3/4 - 1/2		207318
-10-8	7/8 - 1/2		207319
-12-8	1.1/16 - 1/2		207370
-8-12	3/4 - 3/4		215541
-10-12	7/8 - 3/4		215543
-12-12	1.1/16 - 3/4		207320
-16-12	1.5/16 - 3/4		217371
-12-16	1.1/16 - 1		215544
-16-16	1.5/16 - 1		127372
-20-16	1.5/8 - 1		215546
-16-20	1.5/16 - 1.1/4		215545
-20-20	1.5/8 - 1.1/4		217373
-24-20	1.7/8 - 1.1/4		215547
-20-24	1.5/8 - 1.1/2		217374
-24-24	1.7/8 - 1.1/4		215548

Dash	1	2	Article
-4-2	7/16 - 1/8		207122
-4-4	7/16 - 1/4		207123
-5-4	1/2 - 1/4		212236
-6-4	9/16 - 1/4		207124
-4-6	7/16 - 3/8		217907
-6-6	9/16 - 3/8		207125
-8-6	3/4 - 3/8		215440
-4-8	7/16 - 1/2		230059
-6-8	9/16 - 1/2		215509
-8-8	3/4 - 1/2		207126
-10-8	7/8 - 1/2		207127
-12-8	1.1/16 - 1/2		215511
-6-12	9/16 - 3/4		230060
-8-12	3/4 - 3/4		207128
-12-12	1.1/16 - 3/4		207129
-16-12	1.5/16 - 3/4		236658
-8-16	3/4 - 1		230061
-12-16	1.1/16 - 1		230062
-16-16	1.5/16 - 1		207130
-20-20	1.5/8 - 1.1/4		207131
-24-24	1.7/8 - 1.1/2		207132

Dash	1	2	Article
-4-4	7/16 - 7/16		206713
-4-6	7/16 - 9/16		213300
-5-5	1/2 - 1/2		206719
-6-6	9/16 - 9/16		206714
-6-8	9/16 - 3/4		221249
-8-8	3/4 - 3/4		206715
-10-10	7/8 - 7/8		206716
-8-12	3/4 - 1.1/6		242128
-12-12	1.1/16 - 1.1/16		206717
-16-16	1.5/16 - 1.5/16		206718
-20-20	1.5/8 - 1.5/8		208476
-24-24	1.7/8 - 1.7/8		208477
-32-32	2.1/2 - 2.1/2		208478

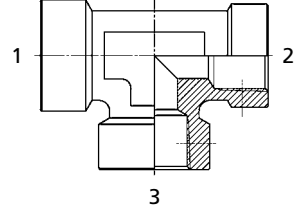
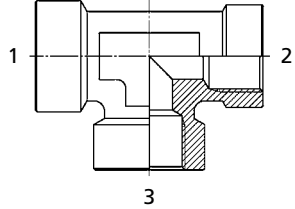
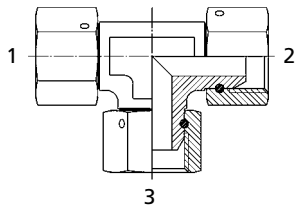
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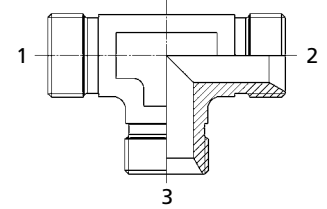
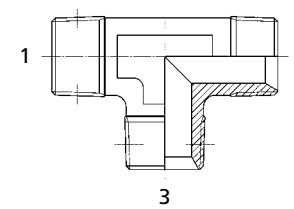
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Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125470
-4-4-4	1/4	- 1/4	- 1/4	125471
-6-6-6	3/8	- 3/8	- 3/8	125472
-8-8-8	1/2	- 1/2	- 1/2	125473
-12-12-12	3/4	- 3/4	- 3/4	125474
-16-16-16	1	- 1	- 1	125475
-20-20-20	1.1/4	- 1.1/4	- 1.1/4	125476
-24-24-24	1.1/2	- 1.1/2	- 1.1/2	125477
-32-32-32	2	- 2	- 2	125478

Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125294
-4-4-4	1/4	- 1/4	- 1/4	125295
-6-6-6	3/8	- 3/8	- 3/8	125296
-8-8-8	1/2	- 1/2	- 1/2	125297
-12-12-12	3/4	- 3/4	- 3/4	125298
-16-16-16	1	- 1	- 1	125299

Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	203910
-4-4-4	1/4	- 1/4	- 1/4	203911
-6-6-6	3/8	- 3/8	- 3/8	203912
-8-8-8	1/2	- 1/2	- 1/2	203913
-12-12-12	3/4	- 3/4	- 3/4	203914
-16-16-16	1	- 1	- 1	203915

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Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	203997
-4-4-4	1/4	- 1/4	- 1/4	203998
-6-6-6	3/8	- 3/8	- 3/8	203999
-8-8-8	1/2	- 1/2	- 1/2	204000
-12-12-12	3/4	- 3/4	- 3/4	204001
-16-16-16	1	- 1	- 1	204002
-20-20-20	1.1/4	- 1.1/4	- 1.1/4	204525
-24-24-24	1.1/2	- 1.1/2	- 1.1/2	204526
-32-32-32	2	- 2	- 2	204527

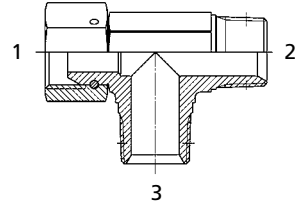
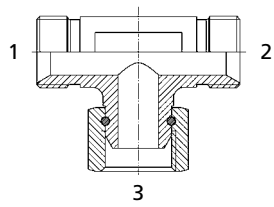
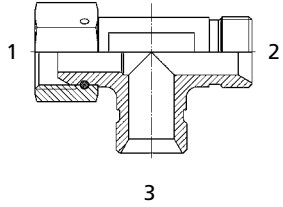
Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125285
-4-4-4	1/4	- 1/4	- 1/4	125286
-6-6-6	3/8	- 3/8	- 3/8	125287
-8-8-8	1/2	- 1/2	- 1/2	125288
-12-12-12	3/4	- 3/4	- 3/4	125289
-16-16-16	1	- 1	- 1	125290
-20-20-20	1.1/4	- 1.1/4	- 1.1/4	125291
-24-24-24	1.1/2	- 1.1/2	- 1.1/2	125292
-32-32-32	2	- 2	- 2	125293

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BSPP x BSPT x BSPT



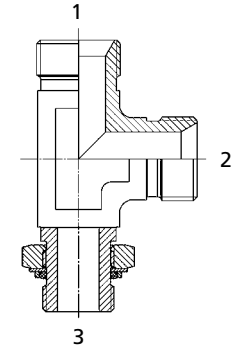
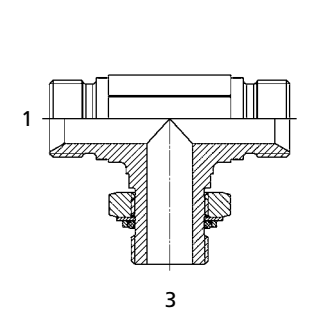
Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125450
-4-4-4	1/4	- 1/4	- 1/4	125452
-6-6-6	3/8	- 3/8	- 3/8	125454
-8-8-8	1/2	- 1/2	- 1/2	125455
-12-12-12	3/4	- 3/4	- 3/4	125456
-16-16-16	1	- 1	- 1	125457

Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125461
-4-4-4	1/4	- 1/4	- 1/4	125462
-6-6-6	3/8	- 3/8	- 3/8	125463
-8-8-8	1/2	- 1/2	- 1/2	125464
-12-12-12	3/4	- 3/4	- 3/4	125465
-16-16-16	1	- 1	- 1	125466

Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	207461
-4-4-4	1/4	- 1/4	- 1/4	207462
-6-6-6	3/8	- 3/8	- 3/8	207463
-8-8-8	1/2	- 1/2	- 1/2	207464
-12-12-12	3/4	- 3/4	- 3/4	207465
-16-16-16	1	- 1	- 1	207466

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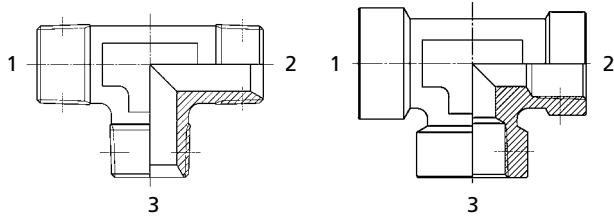


Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	207088
-4-4-4	1/4	- 1/4	- 1/4	207089
-6-6-6	3/8	- 3/8	- 3/8	207090
-8-8-8	1/2	- 1/2	- 1/2	207091
-12-12-12	3/4	- 3/4	- 3/4	207092
-16-16-16	1	- 1	- 1	207093

Dash	1	2	3	Article
-4-4-4	1/4	- 1/4	- 1/4	207097
-6-6-6	3/8	- 3/8	- 3/8	207098
-8-8-8	1/2	- 1/2	- 1/2	207099
-12-12-12	3/4	- 3/4	- 3/4	207100
-16-16-16	1	- 1	- 1	207101

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NPT

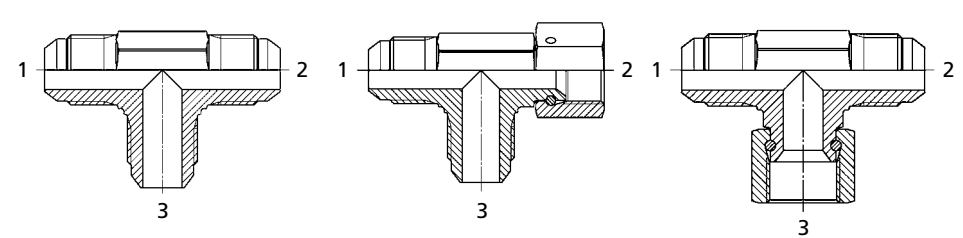


Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125562
-4-4-4	1/4	- 1/4	- 1/4	125563
-6-6-6	3/8	- 3/8	- 3/8	125569
-8-8-8	1/2	- 1/2	- 1/2	125564
-12-12-12	3/4	- 3/4	- 3/4	125565
-16-16-16	1	- 1	- 1	125566
-20-20-20	1.1/4	- 1.1/4	- 1.1/4	125567
-24-24-24	1.1/2	- 1.1/2	- 1.1/2	125568
-32-32-32	2	- 2	- 2	125569

Dash	1	2	3	Article
-2-2-2	1/8	- 1/8	- 1/8	125303
-4-4-4	1/4	- 1/4	- 1/4	125304
-6-6-6	3/8	- 3/8	- 3/8	125305
-8-8-8	1/2	- 1/2	- 1/2	125306
-12-12-12	3/4	- 3/4	- 3/4	125307
-16-16-16	1	- 1	- 1	125308

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Dash	1	2	3	Article
-4-4-4	7/16	- 7/16	- 7/16	203922
-5-5-5	1/2	- 1/2	- 1/2	203923
-6-6-6	9/16	- 9/16	- 9/16	203924
-8-8-8	3/4	- 3/4	- 3/4	203925
-10-10-10	7/8	- 7/8	- 7/8	205926
-12-12-12	1.1/16	- 1.1/16	- 1.1/16	203927
-16-16-16	1.5/16	- 1.5/16	- 1.5/16	203928
-20-20-20	1.5/8	- 1.5/8	- 1.5/8	203929
-24-24-24	1.7/8	- 1.7/8	- 1.7/8	215462

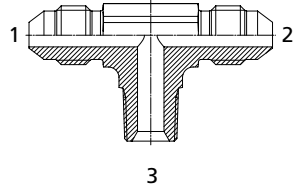
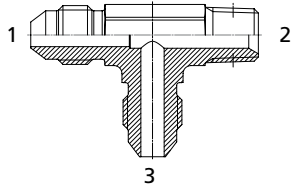
Dash	1	2	3	Article
-4-4-4	7/16	- 7/16	- 7/16	207064
-5-5-5	1/2	- 1/2	- 1/2	207065
-6-6-6	9/16	- 9/16	- 9/16	207066
-8-8-8	3/4	- 3/4	- 3/4	207067
-10-10-10	7/8	- 7/8	- 7/8	207068
-12-12-12	1.1/16	- 1.1/16	- 1.1/16	207069
-16-16-16	1.5/16	- 1.5/16	- 1.5/16	207070
-20-20-20	1.5/8	- 1.5/8	- 1.5/8	207071
-24-24-24	1.7/8	- 1.7/8	- 1.7/8	215514

Dash	1	2	3	Article
-4-4-4	7/16	- 7/16	- 7/16	207056
-5-5-5	1/2	- 1/2	- 1/2	207057
-6-6-6	9/16	- 9/16	- 9/16	207058
-8-8-8	3/4	- 3/4	- 3/4	207059
-10-10-10	7/8	- 7/8	- 7/8	207060
-12-12-12	1.1/16	- 1.1/16	- 1.1/16	207061
-16-16-16	1.5/16	- 1.5/16	- 1.5/16	207062
-20-20-20	1.5/8	- 1.5/8	- 1.5/8	207063
-24-24-24	1.7/8	- 1.7/8	- 1.7/8	215501

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JIC x NPT x JIC

JIC x JIC x NPT



Dash	1	2	3	Article
-4-2-4	7/16	- 1/8	7/16	228304
-4-4-4	7/16	- 1/4	7/16	228305
-6-2-6	9/16	- 1/8	9/16	228306
-6-4-6	9/16	- 1/4	9/16	228307
-6-8-6	9/16	- 1/2	9/16	228308
-8-4-8	3/4	- 1/4	3/4	228309
-8-6-8	3/4	- 3/8	3/4	228310
-8-8-8	3/4	- 1/2	3/4	228311
-12-8-12	1.1/16	- 1/2	1.1/16	228312
-12-12-12	1.1/16	- 3/4	1.1/16	228337
-16-12-16	1.5/16	- 3/4	1.5/16	228313
-16-16-16	1.5/16	- 1	1.5/16	228314

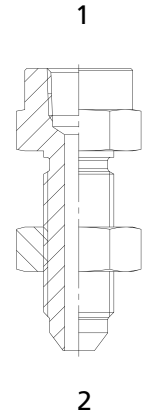
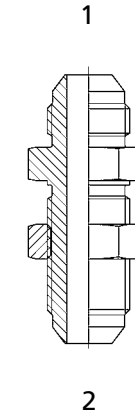
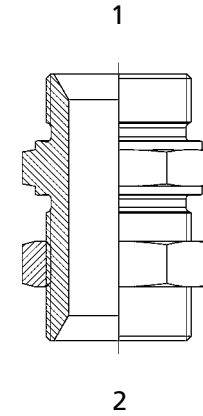
Dash	1	2	3	Article
-4-4-2	7/16	- 7/16	- 1/8	228339
-4-4-4	7/16	- 7/16	- 1/4	228340
-6-6-6	9/16	- 9/16	- 1/8	228341
-6-6-4	9/16	- 9/16	- 1/4	228342
-6-6-8	9/16	- 9/16	- 1/2	228343
-8-8-4	3/4	- 3/4	- 1/4	228344
-8-8-6	3/4	- 3/4	- 3/8	228345
-8-8-8	3/4	- 3/4	- 1/2	228346
-8-8-12	3/4	- 3/4	- 3/4	228347
-12-12-8	1.1/16	- 1.1/16	- 1/2	228348
-12-12-12	1.1/16	- 1.1/16	- 3/4	228349
-16-16-12	1.5/16	- 1.5/16	- 3/4	228350
-16-16-16	1.5/16	- 1.5/16	- 1	228351

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JIC

JIC x BSPT



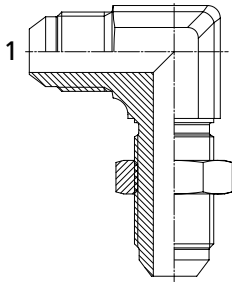
Dash	1	2	Article
-4	1/4	- 1/4	204530
-6	3/8	- 3/8	204531
-8	1/2	- 1/2	204532
-10	5/8	- 5/8	204533
-12	3/4	- 3/4	204534
-16	1	- 1	204535
-20	1.1/4	- 1.1/4	204536
-24	1.1/2	- 1.1/2	204537

Dash	1	2	Article
-4	7/16	- 7/16	207197
-5	1/2	- 1/2	207198
-6	9/16	- 9/16	207199
-8	3/4	- 3/4	207200
-10	7/8	- 7/8	207201
-12	1.1/16	- 1.1/16	207202
-16	1.5/16	- 1.5/16	207203
-20	1.5/8	- 1.5/8	207204
-24	1.7/8	- 1.7/8	207205
-32	2.1/2	- 2.1/2	133105

Dash	1	2	Article
-2-4	1/8	- 7/16	243171
-4-4	1/4	- 7/16	243170

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JIC 90 Deg



2

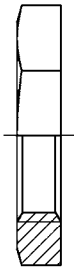
Dash	Size	Article
-4	7/16	218662
-6	9/16	213053
-8	3/4	218660
-10	7/8	218658
-12	1.1/16	218656
-16	1.5/16	218654

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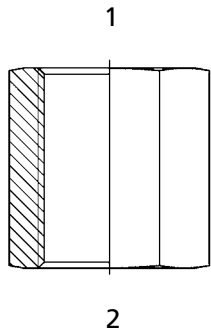


2	Article
1/8	125328
1/4	125319
3/8	125320
1/2	125321
3/4	125323
1	125324
1.1/4	125325
1.1/2	125326
2	125327

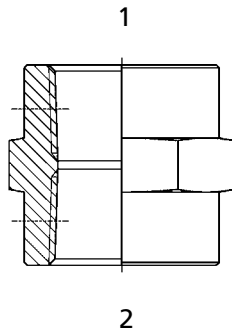
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2	Article
7/16	203446
1/2	203447
9/16	203448
3/4	203449
7/8	203450
1.1/16	203451
1.5/16	203452
1.5/8	203453
1.7/8	203454
2.1/2	203455

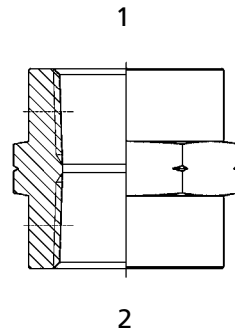
BSPP x BSPP



BSPT x BSPT



NPT x NPT



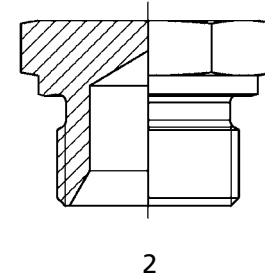
Dash	1	2	Article
-2-2	1/8	- 1/8	124125
-4-4	1/4	- 1/4	123526
-6-6	3/8	- 3/8	124220
-8-8	1/2	- 1/2	117731
-12-12	3/4	- 3/4	121257
-16-16	1	- 1	124221
-20-20	1.1/4	- 1.1/4	122824
-24-24	1.1/2	- 1.1/2	125203
-32-32	2	- 2	125204

Dash	1	2	Article
-2-2	1/8	- 1/8	203837
-4-4	1/4	- 1/4	203838
-6-6	3/8	- 3/8	203839
-8-8	1/2	- 1/2	203840
-8-16	1/2	- 1	134480
-12-12	3/4	- 3/4	203841
-16-16	1	- 1	203842
-20-20	1.1/4	- 1.1/4	125207
-24-24	1.1/2	- 1.1/2	125205
-32-32	2	- 2	125206

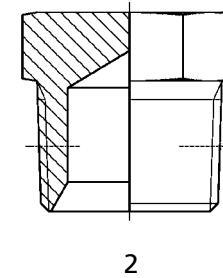
Dash	1	2	Article
-2-2	1/8	- 1/8	124233
-4-4	1/4	- 1/4	124234
-6-6	3/8	- 3/8	124235
-8-8	1/2	- 1/2	115702
-12-12	3/4	- 3/4	124236
-16-16	1	- 1	124237
-20-20	1.1/4	- 1.1/4	125208
-24-24	1.1/2	- 1.1/2	125209
-32-32	2	- 2	125210

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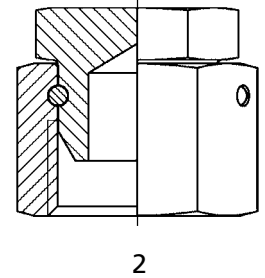
BSPP



BSPT



BSPP



Dash	2	Article
-2	1/8	204099
-4	1/4	204100
-6	3/8	204101
-8	1/2	204102
-10	5/8	204103
-12	3/4	204104
-16	1	204105
-20	1.1/4	204106
-24	1.1/2	204107
-32	2	204108

Dash	2	Article
-2	1/8	105378
-4	1/4	105376
-6	3/8	105384
-8	1/2	105374
-12	3/4	105382
-16	1	105372
-20	1.1/4	105388
-24	1.1/2	105380
-32	2	105386

Dash	2	Article
-2	1/8	204470
-4	1/4	204471
-6	3/8	204472
-8	1/2	204473
-10	5/8	204474
-12	3/4	204475
-16	1	204476
-20	1.1/4	204477
-24	1.1/2	204478
-32	2	204479

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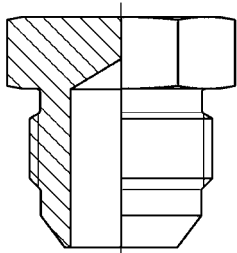
JIC

UNO

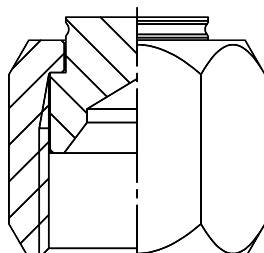
UNO
In-hex

NPT

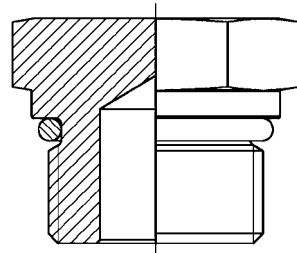
NPT
In-hex



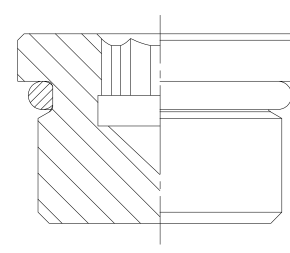
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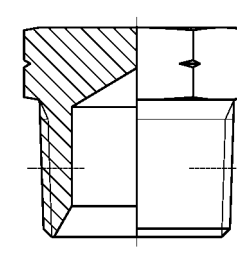
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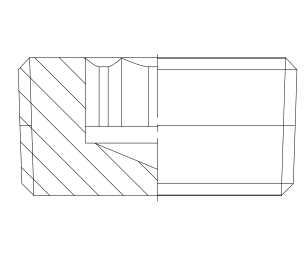
2



2



2



2

Dash	2	Article
-4	7/16	204089
-5	1/2	204090
-6	9/16	204091
-8	3/4	204092
-10	7/8	204093
-12	1.1/16	204094
-16	1.5/16	204095
-20	1.5/8	204a096
-24	1.7/8	204097
-32	2.1/2	204098

Dash	2	Article
-4	7/16	204022
-5	1/2	204021
-6	9/16	204020
-8	3/4	204019
-10	7/8	204018
-12	1.1/16	204017
-16	1.5/16	204016
-20	1.5/8	204015
-24	1.7/8	204014
-32	2.1/2	204013

Dash	2	Article
-2	5/16	210511
-4	7/16	204499
-5	1/2	204500
-6	9/16	204501
-8	3/4	204502
-10	7/8	204503
-12	1.1/16	204504
-14	1.3/16	204506
-16	1.5/16	204505
-20	1.5/8	204508
-24	1.7/8	204507
-32	2.1/2	204509

Dash	2	Article
-2	5/16	242047
-3	3/8	242048
-4	7/16	241644
-6	9/16	241645
-8	3/4	241646
-10	7/8	241647
-12	1.1/16	241648
-16	1.5/16	241649

Dash	2	Article
-2	1/8	105377
-4	1/4	105375
-6	3/8	105383
-8	1/2	105373
-12	3/4	105381
-16	1	105371
-20	1.1/4	105387
-24	1.1/2	105379
-32	2	105385

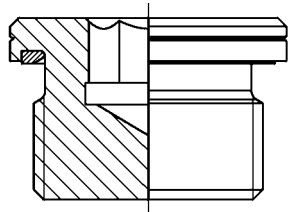
Dash	2	Article
-2	1/8	241219
-4	1/4	241220
-6	3/8	241288
-8	1/2	241221
-12	3/4	241222
-16	1	212786
-20	1.1/4	128728

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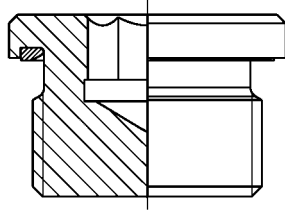
Made in Germany

BSPP-WD

METRIC-WD



2



2

2	Article
1/8	105422
1/4	105420
3/8	105428
1/2	105392
3/4	105426
1	105393
1.1/4	105430
1.1/2	105424
2	216603

* WD = Encapsulated Seal.

2	Article
M10x1	105396
M12x1,5	105398
M14x1,5	105400
M16x1,5	105402
M18x1,5	105404
M20x1,5	105406
M22x1,5	105408
M26x1,5	105410
M27x2	125136
M33x2	105414
M42x2	105416
M48x2	105418

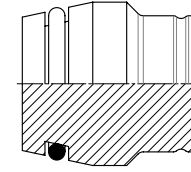
* WD = Encapsulated Seal.

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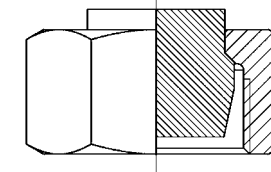
METRIC Insert

METRIC

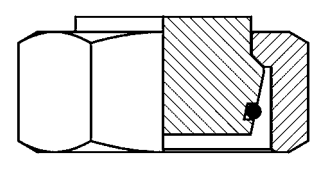
VSTO-OD



2



2



2

2	Article
VSTO-OD 06L	105461
VSTO-OD 08L	105464
VSTO-OD 10L	105467
VSTO-OD 12L	105469
VSTO-OD 15L	105473
VSTO-OD 18L	105477
VSTO-OD 22L	105481
VSTO-OD 28L	105485
VSTO-OD 35L	105489
VSTO-OD 42L	105493
VSTO-OD 06S	105461
VSTO-OD 08S	105464
VSTO-OD 10S	105467
VSTO-OD 12S	105469
VSTO-OD 14S	105471
VSTO-OD 16S	105475
VSTO-OD 20S	105479
VSTO-OD 25S	105483
VSTO-OD 30S	105487
VSTO-OD 38S	105491

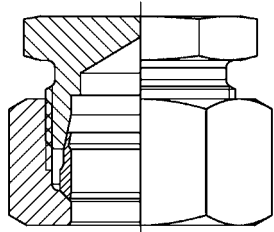
2	Article
06L	204416
08L	204417
10L	204418
12L	204419
15L	204420
18L	204421
22L	204422
28L	204423
35L	204424
42L	204425
06S	204426
08S	204427
10S	204428
12S	204429
14S	204430
16S	204431
20S	204432
25S	204433
30S	204434
38S	204435

2	Article
VSTO-M 06L OD	204436
VSTO-M 08L OD	204437
VSTO-M 10L OD	204438
VSTO-M 12L OD	204439
VSTO-M 15L OD	204440
VSTO-M 18L OD	204441
VSTO-M 22L OD	204443
VSTO-M 28L OD	204444
VSTO-M 35L OD	204445
VSTO-M 42L OD	204446
VSTO-M 06S OD	204450
VSTO-M 08S OD	206571
VSTO-M 10S OD	206573
VSTO-M 12S OD	206574
VSTO-M 14S OD	206575
VSTO-M 16S OD	206576
VSTO-M 20S OD	206577
VSTO-M 25S OD	206578
VSTO-M 30S OD	206579
VSTO-M 38S OD	206580

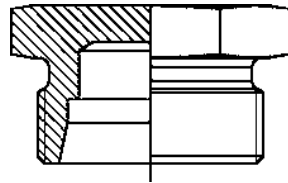
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**METRIC Tube
Cap**

**METRIC Tube
Cap (Plug Only)**



2



2

2	Article
06L	126344
08L	101807
10L	126381
12L	101808
15L	101810
18L	126382
22L	101813
28L	126666
35L	126667
42L	126668
06S	126676
08S	126686
10S	126691
12S	101809
14S	126692
16S	101811
20S	101812
25S	126693
30S	106334
38S	126694

2	Article
06L	106321
08L	106322
10L	106324
12L	106326
15L	106328
18L	106330
22L	106332
28L	106320
35L	101806
42L	106336
06S	101805
08S	106323
10S	106325
12S	106327
14S	114172
16S	106329
20S	106331
25S	106333
30S	106335
38S	114494

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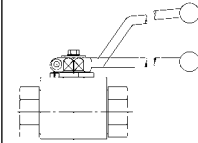
Made in Germany

Made in Germany

BALL VALVES

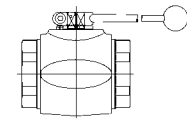
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2-port



{ BSPP
NPT
Metric

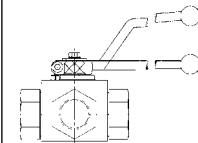
p. 159



{ BSPP
NPT
Metric

p. 160

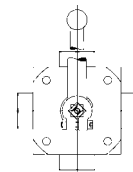
3-port



{ BSPP
NPT
Metric

p. 162

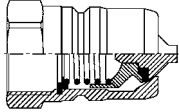
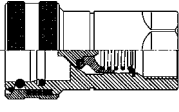
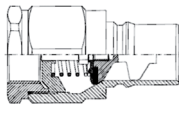
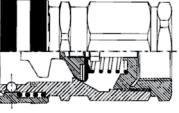
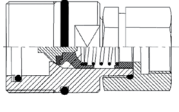
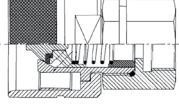
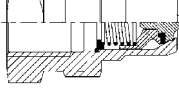
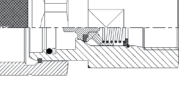
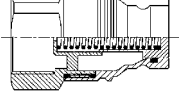
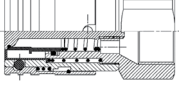
4-port

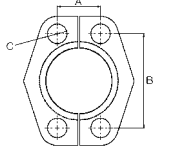
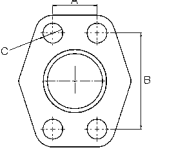
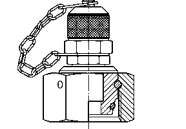
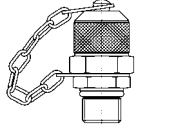

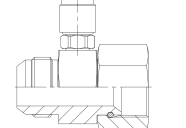
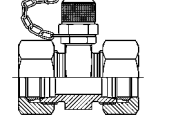
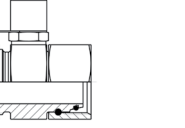
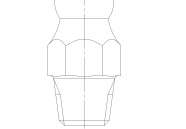
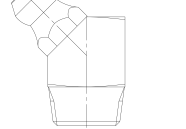
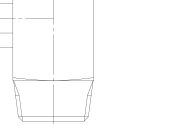
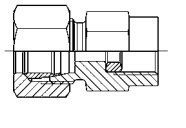
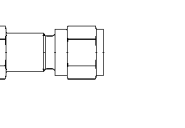


{ BSPP
NPT
Metric

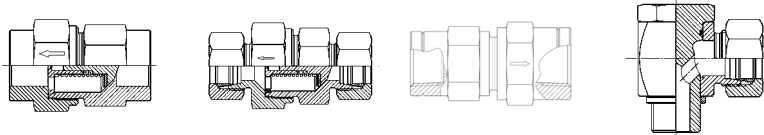
p. 162

QUICK RELEASE COUPLERS

<p>ISO A / ISO B</p>		
	<p>p. 163-166</p>	<p>p. 163-166</p>
<p>ISO B Big Size</p>		
	<p>p. 167</p>	<p>p. 167</p>
<p>Series 30</p>		
	<p>p. 168</p>	<p>p. 168</p>
<p>Series 40</p>		
	<p>p. 169</p>	<p>p. 169</p>
<p>Flat Face</p>		
	<p>p. 170</p>	<p>p. 170</p>

<p>Flange Clamps</p>			
	<p>p. 196</p>	<p>p. 196</p>	
<p>Test Points</p>			
	<p>p. 171</p>	<p>p. 171</p>	<p>p. 171</p>
<p>Test Points</p>			
	<p>p. 172</p>	<p>p. 172</p>	<p>p. 172</p>
<p>Grease Nipples BSPT/ NPT</p>			
	<p>p. 173</p>	<p>p. 173</p>	<p>p. 173</p>
<p>Gauge Adaptors</p>		<p>BSPP NPT Metric</p>	
	<p>p. 174-175</p>		<p>p. 174</p>

Non-Return Valves/
Banjo's



p. 177

p. 176

p. 177

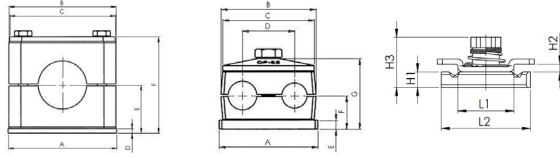
p. 178

Tubes

Imperial
Metric

p. 179

Tube
Clamps

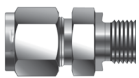


p. 180-182

p. 184

p. 185-186

Twin
Ferrule

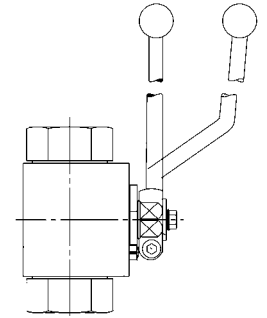
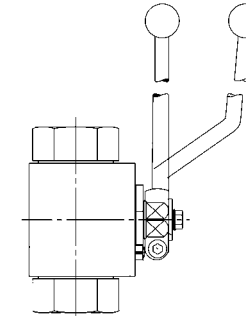
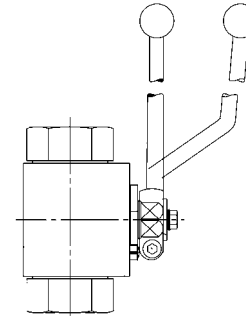


p. 188 - 195

BKH...G/BSPP

BKH...NPT

BKH...L/S



Size	Article
1/8	127354
1/4	125123
3/8	124997
1/2	124992
3/4	125122
1	124998
1.1/4	127355
1.1/2	127356

*NV

Size	Article
1/8	127360
1/4	127361
3/8	127362
1/2	127363
3/4	127364
1	127365
1.1/4	127366
1.1/2	127367

*NV

Size	Article
06L	127403
08L	127402
10L	127401
12L	127400
15L	127399
18L	127398
22L	127397
28L	127396
35L	127395
42L	127394
08S	127393
10S	127392
12S	127391
14S	127390
16S	126859
20S	126860
25S	126861
30S	127388
38S	127389

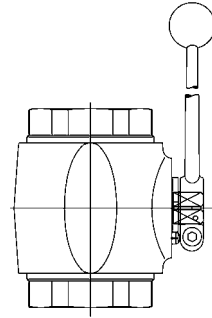
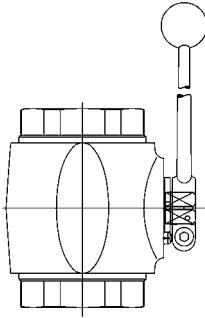
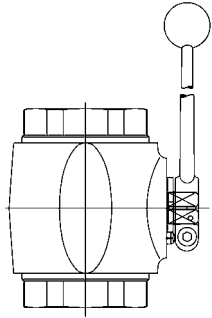
*NV

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MKH...G/BSPP

MKH...NPT

MKH-METRIC



Size	Article
1.1/4	127357
1.1/2	127358
2	127359

Size	Article
1.1/4	209038
1.1/2	209039
2	209040

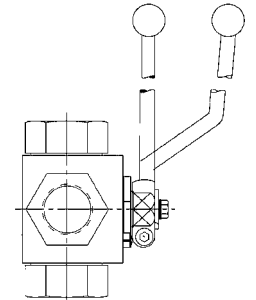
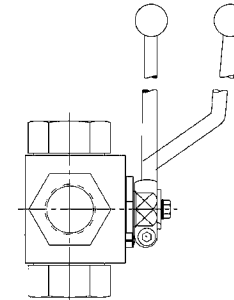
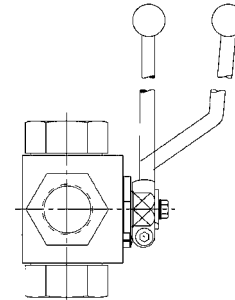
Size	Article
35L	209041
42L	209042
38S	209043

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**BK3...G/BSPP
L PORT**

**BK3...NPT
L PORT**

**BK3...L/S
L PORT**



Size	Article
1/8	209047
1/4	209048
3/8	209049
1/2	209050
3/4	209051
1	209052
1.1/4	209053
1.1/2	209054
2	209055

Size	Article
1/8	209056
1/4	209057
3/8	209058
1/2	209059
3/4	209060
1	209061
1.1/4	209062
1.1/2	209063
2	209064

* T Port available on request.

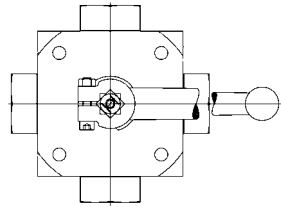
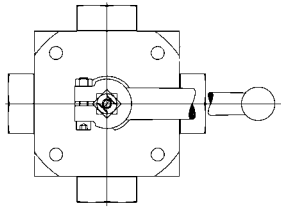
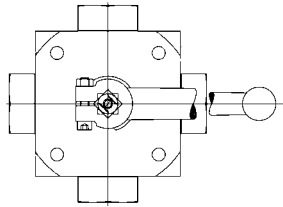
Size	Article
06L	209065
08L	209066
10L	209067
12L	209068
15L	209069
18L	209070
22L	209071
08S	209072
10S	209073
12S	209074
14S	209075
16S	209076
20S	209077
25S	209078

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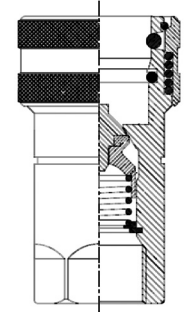
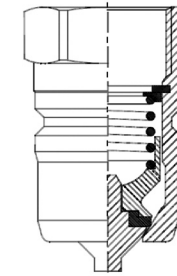
4KH...G/BSPP

4KH...NPT

4KH...L/S



ISO - 1B...G/BSPP



Size	Article
1/8	209089
1/4	209090
3/8	209091
1/2	209092
3/4	209093
1	209094
1.1/4	209095
1.1/2	209096

Size	Article
1/8	209106
1/4	209105
3/8	209104
1/2	209103
3/4	209102
1	209101
1.1/4	209100
1.1/2	209099

Size	Article
06L	209107
08L	209108
10L	209109
12L	209110
15L	209111
18L	209112
22L	209113
28L	209114
08S	209115
10S	209116
12S	209117
14S	209118
16S	209119
20S	209120
25S	209121
30S	209122

*NV

*NV

*NV

Made in Germany

* See page 167 for large high flow ISO B

Size	Article
1/8	203303
1/4	204300
3/8	204301
1/2	204302
3/4	204303
1	204304

Size	Article
1/8	208470
1/4	204259
3/8	204267
1/2	204296
3/4	126326
1	204299

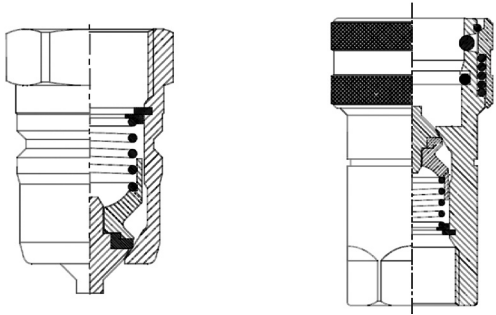
*NV

*NV

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ISO - 1B...NPT

ISO - 1B...NPT

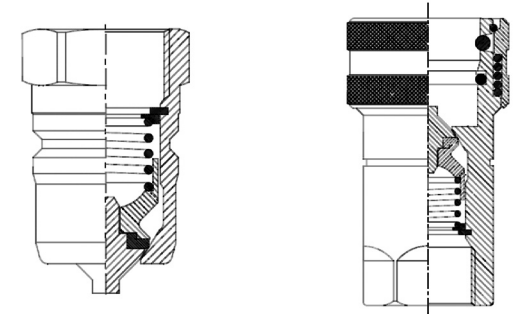


Size	Article
1/8	218182
1/4	215986
3/8	215989
1/2	215988
3/4	218646
1	209688

Size	Article
1/8	218183
1/4	215987
3/8	215990
1/2	215991
3/4	218650
1	218657

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ISO - 1A...G/BSP



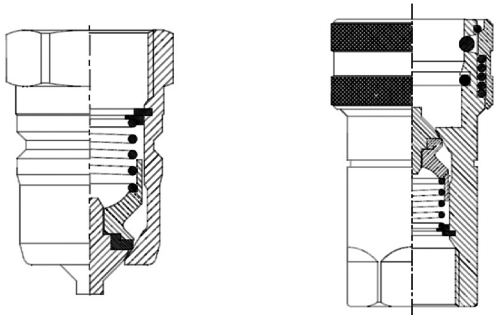
Size	Article
1/4	216770
3/8	216771
1/2	216772
3/4	216773
1	216774
1.1/4	216775

Size	Article
1/4	216776
3/8	216777
1/2	216778
3/4	216779
1	216780
1.1/4	216781

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ISO - 1A...NPT

ISO - 1A...NPT

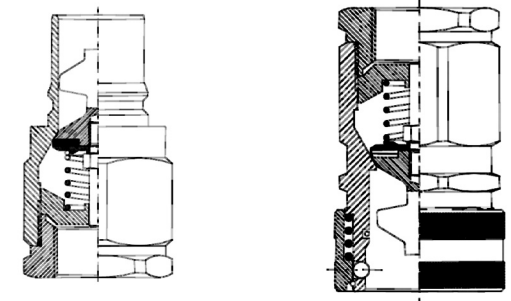


Size	Article
1/4	218643
3/8	217773
1/2	217774
3/4	218644
1	218645

Size	Article
1/4	218647
3/8	217772
1/2	217775
3/4	218648
1	218649

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ISO - 1B...G/BSPP

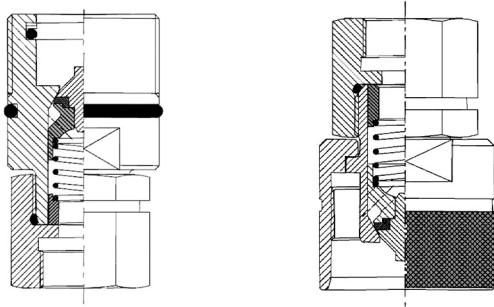


Size	Article
1.1/4	126817
1.1/2	126818
2	126819

Size	Article
1.1/4	126814
1.1/2	126815
2	126816

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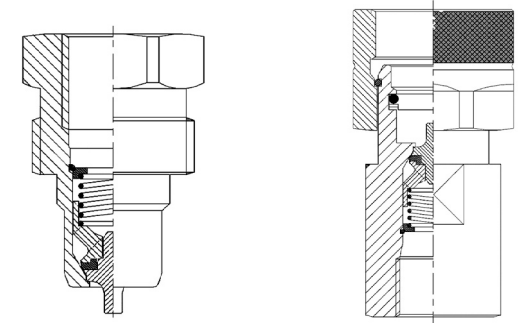
SERIES 30



Size	Article	Size	Article
1/4	126828	1/4	126832
3/8	126827	3/8	126833
1/2	126829	1/2	126834
3/4	126830	3/4	126835
1	126831	1	126836
1.1/2	208479	1.1/2	208480

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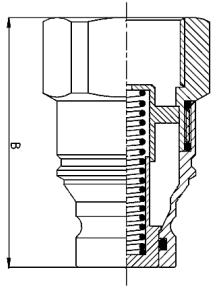
SERIES 40



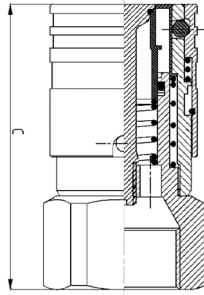
	Size	Article	Size	Article
BSPP	1/4	208481	1/4	208489
	3/8	208482	3/8	208490
	1/2	208483	1/2	208491
	3/4	208484	3/4	208492
	1	208485	1	208493
	1.1/4	208486	1.1/4	208494
	1.1/2	208487	1.1/2	208495
	2	208488	2	208496
NPT	1/4	218408-NPT	1/4	218409-NPT
	3/8	208482-NPT	3/8	208490-NPT

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**ISO 16028
FLAT FACE**



**ISO 16028
FLAT FACE**

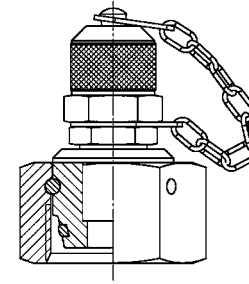


Size	Article
1/4	208497
3/8	208498
1/2	208499
3/4	208500
1	208501
1.1/4	208502
1.1/2	208503
2	208504

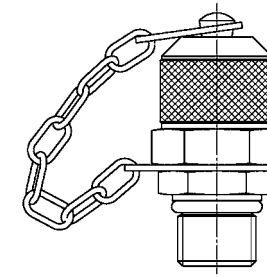
Size	Article
1/4	208505
3/8	208506
1/2	208507
3/4	208508
1	208509
1.1/4	208510
1.1/2	208511
2	208512

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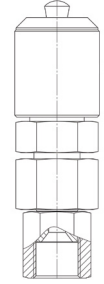
VKA 3...L/S



EMA 3



VKA 3...JIC



Size	Article
06L - TEST 20	125533
08L - TEST 20	125534
10L - TEST 20	125535
12L - TEST 20	125536
15L - TEST 20	125537
18L - TEST 20	125538
22L - TEST 20	125539
28L - TEST 20	125540
35L - TEST 20	125541
42L - TEST 20	125542
06S - TEST 20	125543
08S - TEST 20	125544
10S - TEST 20	125545
12S - TEST 20	200995
14S - TEST 20	125546
16S - TEST 20	125547
20S - TEST 20	125548
25S - TEST 20	125549
30S - TEST 20	125550
38S - TEST 20	125551

Size	Article
EMA 3-M8x1-WD	204589
EMA 3-G1/8-WD	204591
EMA 3-G1/4-WD	204592
EMA 3-G3/8-WD	213559
EMA 3-G1/2-WD	218746
EMA 3-M8x1-OR	207882
EMA 3-M10x1-OR	209314
EMA 3-G1/4-OR	200907
EMA 3-1/8-NPT	225073
EMA 3-1/4-NPT	227002

Size	Article
VKA 3-7/16JIC	245128
VKA 3 9/16JIC	245130

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GMZ 3...L/S

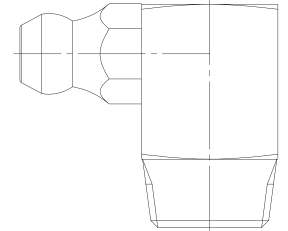
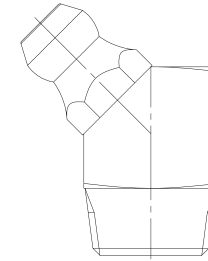
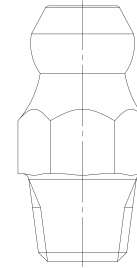
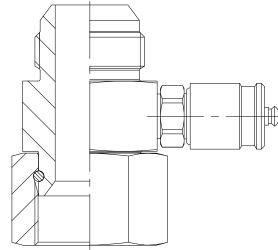
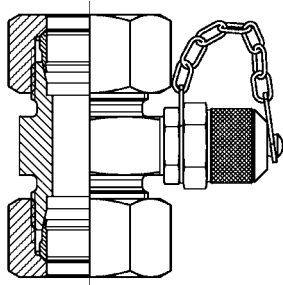
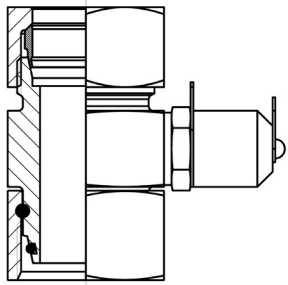
GMA 3...L/S

JIC M/FM

STRAIGHT

45°

90°



Size	Article
GMZ 3-28L	217709
GMZ 3-35L	217707
GMZ 3-42L	217684
GMZ 3-16S	217717
GMZ 3-20S	217715
GMZ 3-38S	217714

Size	Article
GMA 3-06L	207873
GMA 3-08L	126649
GMA 3-10L	126650
GMA 3-12L	210780
GMA 3-15L	126652
GMA 3-18L	126653
GMA 3-22L	126659
GMA 3-28L	126655
GMA 3-35L	126656
GMA 3-42L	207879
GMA 3-06S	207880
GMA 3-08S	203786
GMA 3-10S	203108
GMA 3-12S	102961
GMA 3-14S	126657
GMA 3-16S	126658
GMA 3-20S	126659
GMA 3-25S	207881
GMA 3-30S	126660
GMA 3-38S	200535

Size	Article
JIC 7/16	241842
JIC 9/16	241843
JIC 3/4	241844
JIC 7/8	241845
JIC 1.1/16	241846
JIC 1.5/16	241847

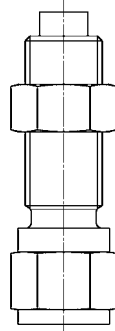
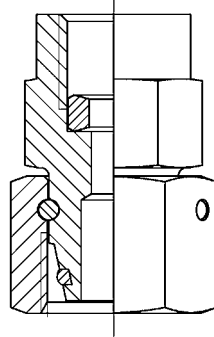
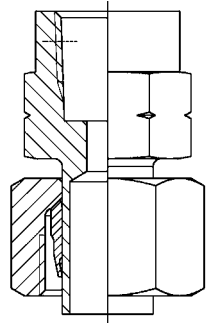
Size	Article
BSPT	
1/8 BSPT	242033
1/4 BSPT	242032
NPT	
1/8 NPT	242055
1/4 NPT	242054

Size	Article
BSPT	
1/4 BSPT	244034
NPT	
1/8 NPT	244278
1/4 NPT	244281

Size	Article
BSPT	
1/4 BSPT	244035
NPT	
1/8 NPT	244279
1/4 NPT	244282

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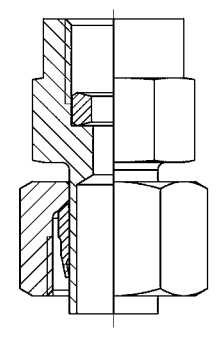
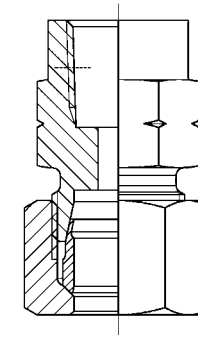
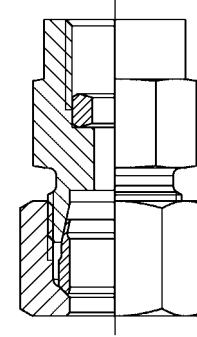
MAEV...L/S NPT**MAVD...L/S-G****MAV-MA 3**

Size	Article
MAEV06L1/4NPT	103264
MAEV06L1/2NPT	207714
MAEV08L1/4NPT	103270
MAEV08L1/2NPT	207715
MAEV10L1/4NPT	103276
MAEV10L1/2NPT	207716
MAEV12L1/4NPT	103282
MAEV12L1/2NPT	207717
MAEV06S1/2NPT	103268
MAEV08S1/2NPT	103274
MAEV10S1/2NPT	103280
MAEV12S1/2NPT	103286

Size	Article
MAVD06LR1/4	103321
MAVD08LR1/4	103325
MAVD10LR1/4	103329
MAVD12LR1/4	103333
MAVD06SR1/4	103324
MAVD06SR1/2	103323
MAVD08SR1/4	103328
MAVD08SR1/2	103327
MAVD10SR1/4	103332
MAVD10SR1/2	103331
MAVD12SR1/4	103336
MAVD12SR1/2	103335

Size	Article
MAV-MA31/4	207134
MAV-MA31/2	207133
MAV-MA31/4NPT	203899
MAV-MA31/2NPT	207135
MAV-MA3M12x1,5	207136

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MAV...L/S-G**MAV...L/S NPT****MAEV...L/S-G**

Size	Article
MAV06LR1/4	103291
MAV06LR1/2	207710
MAV08LR1/4	103299
MAV08LR1/2	207711
MAV10LR1/4	103305
MAV10LR1/2	207712
MAV12LR1/4	103312
MAV12LR1/2	207713
MAV06SR1/2	103295
MAV08SR1/4	206711
MAV08SR1/2	103302
MAV10SR1/2	103309
MAV12SR1/2	103317

Size	Article
MAV06L1/4NPT	103289
MAV06L1/2NPT	207706
MAV08L1/4NPT	103297
MAV08L1/2NPT	207709
MAV10L1/4NPT	103303
MAV10L1/2NPT	207708
MAV12L1/4NPT	103310
MAV12L1/2NPT	207707
MAV06S1/2NPT	103294
MAV08S1/2NPT	103301
MAV10S1/2NPT	103307
MAV12S1/2NPT	103315

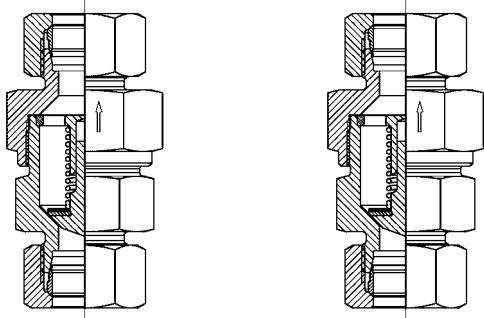
Size	Article
MAEV06LR1/4	103266
MAEV06LR1/2	124902
MAEV08LR1/4	103272
MAEV08LR1/2	204263
MAEV10LR1/4	103278
MAEV10LR1/2	204262
MAEV12LR1/4	103284
MAEV12LR1/2	204264
MAEV06SR1/4	124909
MAEV06SR1/2	103269
MAEV08SR1/4	124910
MAEV08SR1/2	103275
MAEV10SR1/4	124911
MAEV10SR1/2	103281
MAEV12SR1/4	124912
MAEV12SR1/2	103287

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NON-RETURN VALVES

L

S



Size	Article
06L	103962
08L	103966
10L	103970
12L	103975
15L	103983
18L	103988
22L	103992
28L	103996
35L	104001
42L	104005

Size	Article
06S	103964
08S	103968
10S	103973
12S	103977
14S	103981
16S	103985
20S	103990
25S	103994
30S	103999
38S	104003

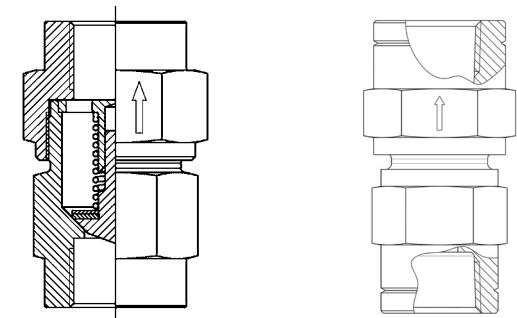
* Standard spring tension = 1 BAR - else on request.

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NON-RETURN VALVES

G/BSPP

NPT



Size	Article
1/8	200326
1/4	104010
3/8	104016
1/2	104008
3/4	104014
1	104012
1.1/4	104017
1.1/2	126719

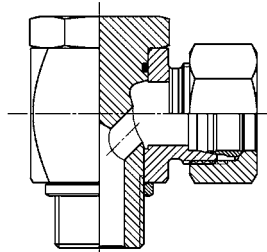
Size	Article
1/8	244120
1/4	244121
3/8	244122
1/2	244123
3/4	244124
1	244125

* Standard spring tension = 1 BAR - else on request.

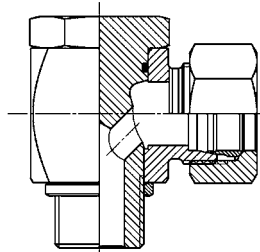
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BANJO COUPLINGS

LR/SR



LM/SM



Size	Article	Size	Article
EWHV06LR 1/8	101816	EWHV06LM 10x1	101815
EWHV08LR 1/4	101820	EWHV08LM 12x1.5	101819
EWHV10LR 1/4	101825	EWHV10LM 14x1.5	101824
EWHV12LR 3/8	101831	EWHV12LM 16x1.5	101829
EWHV15LR 1/2	101838	EWHV15LM 18x1.5	101837
EWHV18LR 1/2	101842	EWHV18LM 22x1.5	101841
EWHV22LR 3/4	101846	EWHV22LM 26x1.5	101845
EWHV28LR 1	101850	EWHV28LM 33x2	101849
EWHV35LR 1.1/4	101854	EWHV35LM 42x2	101853
EWHV42LR 1.1/2	101858	EWHV42LM 48x2	101857
EWHV06SR 1/4	101818	EWHV06SM 12x1.5	101817
EWHV08SR 1/4	101823	EWHV08SM 14x1.5	101822
EWHV10SR 3/8	101828	EWHV10SM 16x1.5	101827
EWHV12SR 3/8	101834	EWHV12SM 18x1.5	101833
EWHV14SR 1/2	101836	EWHV14SM 20x1.5	101835
EWHV16SR 1/2	101840	EWHV16SM 22x1.5	101839
EWHV20SR 3/4	101844	EWHV20SM 27x2	101843
EWHV25SR 1	101848	EWHV25SM 33x2	101847
EWHV30SR 1.1/4	101852	EWHV30SM 42x2	101851
EWHV38SR 1.1/2	101856	EWHV38SM 48x2	101855

* Standard spring tension = 1 BAR - else on request.

Made in Germany

IMPERIAL TUBE

ASTM A213 / A269 Dual Certified

Tube O.D	Wall Thickness	Article
1/4	0.9 mm	410409
1/4	1.2 mm	410412
1/4	1.6 mm	410416
5/16	0.9 mm	410509
5/16	1.2 mm	410512
5/16	1.6 mm	410516
3/8	0.9 mm	410609
3/8	1.2 mm	410612
3/8	1.6 mm	410616
1/2	0.9 mm	410809
1/2	1.2 mm	410812
1/2	1.6 mm	410816
1/2	2.1 mm	410821
5/8	1.2 mm	411012
5/8	1.6 mm	411016
3/4	1.2 mm	411212
3/4	1.6 mm	411216
3/4	2.1 mm	411221
3/4	2.7 mm	411227
1	1.2 mm	411612
1	1.6 mm	411616
1	2.1 mm	411621
1	2.4 mm	411624
1	3.2 mm	411632
1.1/4	1.6 mm	412016
1.1/4	3.25 mm	412032
1.1/2	1.6 mm	412146
1.1/2	3.25 mm	412432
2	1.6 mm	413216
2	3.2 mm	413232

*NV

METRIC TUBE

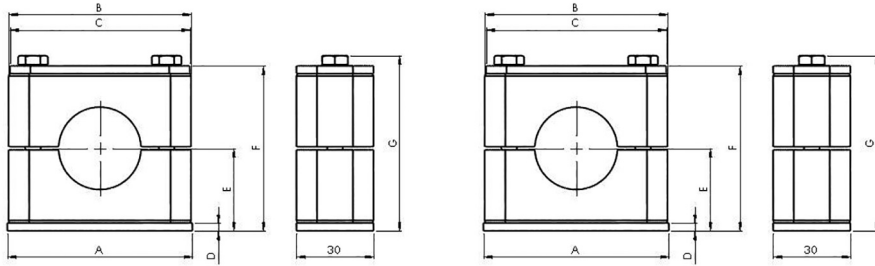
ASTM A213 / A269 Dual Certified

Tube O.D	Wall Thickness	Article
6 mm	1.0 mm	440610
6 mm	1.5 mm	440615
8 mm	1.0 mm	440810
8 mm	1.5 mm	440815
10 mm	1.0 mm	441010
10 mm	1.5 mm	441015
12 mm	1.0 mm	441210
12 mm	1.5 mm	441215
12 mm	2.0 mm	441220
14 mm	2.0 mm	441420
15 mm	1.5 mm	441515
16 mm	1.5 mm	441615
16 mm	2.0 mm	441620
18 mm	1.5 mm	441815
18 mm	2.0 mm	441820
20 mm	2.0 mm	442020
20 mm	2.5 mm	442025
22 mm	2.0 mm	442220
25 mm	2.0 mm	442520
25 mm	2.5 mm	442525
25 mm	3.0 mm	442530
28 mm	2.0 mm	442820
30 mm	2.5 mm	443025
30 mm	3.0 mm	443030
30 mm	4.0 mm	443040
35 mm	2.0 mm	443520
35 mm	3.0 mm	443530
38 mm	3.0 mm	443830
38 mm	4.0 mm	443840
38 mm	5.0 mm	443850
42 mm	3.0 mm	444230
50 mm	5.0 mm	445050

*NV

* Metric carbon steel tube available also

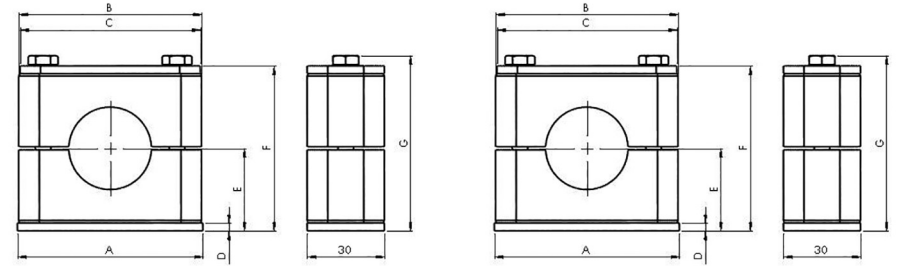
Complete Tube Clamp - Single, LD Carbon Steel



Discription	Article	Discription	Article
06mm LD PP CC*	RAPR3-006	26.9mm PP CC	RAPR3-426.9
06.4mm LD PP CC*	RAPR3-006.4	28mm PP CC	RAPR3-428
08mm LD PP CC*	RAPR3-008	30mm PP CC	RAPR3-430
09.5mm LD PP CC*	RAPR3-009.5	32mm PP CC	RAPR3-532
10mm LD PP CC*	RAPR3-010	33.7mm PP CC	RAPR3-533.7
12mm LD PP CC*	RAPR3-012	35mm PP CC	RAPR3-535
06mm PP CC	RAPR3-106	38mm PP CC	RAPR3-538
06.4mm PP CC	RAPR3-106.4	40mm PP CC	RAPR3-540
08mm PP CC	RAPR3-108	42mm PP CC	RAPR3-542
09.5mm PP CC	RAPR3-109.5	44.5mm PP CC	RAPR3-644.5
10mm PP CC	RAPR3-110	45mm PP CC	RAPR3-645
12mm PP CC	RAPR3-112	48mm PP CC	RAPR3-648
12.7mm PP CC	RAPR3-212.7	50mm PP CC	RAPR3-650
13.5mm PP CC	RAPR3-213.5	50.8mm PP CC	RAPR3-650.8
14mm PP CC	RAPR3-214	52mm PP CC	RAPR3-652
15mm PP CC	RAPR3-215	55mm PP CC	RAPR3-655
16mm PP CC	RAPR3-216	57mm PP CC	RAPR3-657
17.2mm PP CC	RAPR3-217.2	57.2mm PP CC	RAPR3-757.2
18mm PP CC	RAPR3-218	60.3mm PP CC	RAPR3-760.3
19mm PP CC	RAPR3-319	63.5mm PP CC	RAPR3-763.5
20mm PP CC	RAPR3-320	70mm PP CC	RAPR3-770
21.3mm PP CC	RAPR3-321.3	73mm PP CC	RAPR3-773
22mm PP CC	RAPR3-322	76.1mm PP CC	RAPR3-776.1
23mm PP CC	RAPR3-323	88.9mm PP CC	RAPR3-888.9
25mm PP CC	RAPR3-325	101.8mm PP CC	RAPR3-8101.8
25.4mm PP CC	RAPR3-325.		
*NV		*NV	

(* = 1 bolt) (PP = POLYPROP) (CC = Complete Clamp)
Other materials available – please contact Volz for technical details

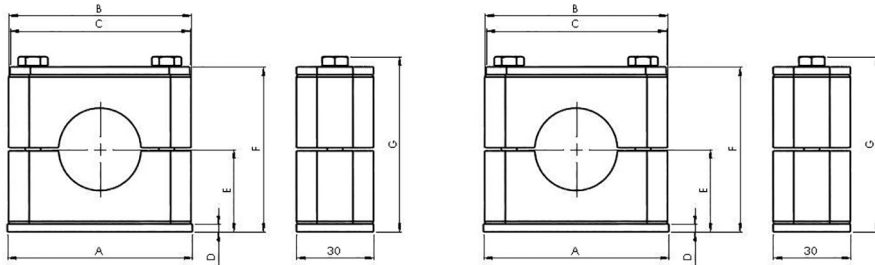
Complete Tube Clamp - Single, LD Stainless Steel



Discription	Article	Discription	Article
06mm LD PP SS CC*	RAPR3-006/1.4571	26.9mm PP SS CC	RAPR3-426.9/1.4571
06.4mm LD PP SS CC*	RAPR3-006.4/1.4571	28mm PP SS CC	RAPR3-428/1.4571
08mm LD PP SS CC*	RAPR3-008/1.4571	30mm PP SS CC	RAPR3-430/1.4571
09.5mm LD PP SS CC*	RAPR3-009.5/1.4571	32mm PP SS CC	RAPR3-532/1.4571
10mm LD PP SS CC*	RAPR3-010/1.4571	33.7mm PP SS CC	RAPR3-533.7/1.4571
12mm LD PP SS CC*	RAPR3-012/1.4571	35mm PP SS CC	RAPR3-535/1.4571
06mm PP SS CC	RAPR3-106/1.4571	38mm PP SS CC	RAPR3-538/1.4571
06.4mm PP SS CC	RAPR3-106.4/1.4571	40mm PP SS CC	RAPR3-540/1.4571
08mm PP SS CC	RAPR3-108/1.4571	42mm PP SS CC	RAPR3-542/1.4571
09.5mm PP SS CC	RAPR3-109.5/1.4571	44.5mm PP SS CC	RAPR3-644.5/1.4571
10mm PP SS CC	RAPR3-110/1.4571	45mm PP SS CC	RAPR3-645/1.4571
12mm PP SS CC	RAPR3-112/1.4571	48mm PP SS CC	RAPR3-648/1.4571
12.7mm PP SS CC	RAPR3-212.7/1.4571	50mm PP SS CC	RAPR3-650/1.4571
13.5mm PP SS CC	RAPR3-213.5/1.4571	50.8mm PP SS CC	RAPR3-650.8/1.4571
14mm PP SS CC	RAPR3-214/1.4571	52mm PP SS CC	RAPR3-652/1.4571
15mm PP SS CC	RAPR3-215/1.4571	55mm PP SS CC	RAPR3-655/1.4571
16mm PP SS CC	RAPR3-216/1.4571	57mm PP SS CC	RAPR3-657/1.4571
17.2mm PP SS CC	RAPR3-217.2/1.4571	57.2mm PP SS CC	RAPR3-757.2/1.4571
18mm PP SS CC	RAPR3-218/1.4571	60.3mm PP SS CC	RAPR3-760.3/1.4571
19mm PP SS CC	RAPR3-319/1.4571	63.5mm PP SS CC	RAPR3-763.5/1.4571
20mm PP SS CC	RAPR3-320/1.4571	70mm PP SS CC	RAPR3-770/1.4571
21.3mm PP SS CC	RAPR3-321.3/1.4571	73mm PP SS CC	RAPR3-773/1.4571
22mm PP SS CC	RAPR3-322/1.4571	76.1mm PP SS CC	RAPR3-776.1/1.4571
23mm PP SS CC	RAPR3-323/1.4571	88.9mm PP SS CC	RAPR3-888.9/1.4571
25mm PP SS CC	RAPR3-325/1.4571	101.8mm PP SS CC	RAPR3-8101.8/1.4571
25.4mm PP SS CC	RAPR3-325.4/1.4571		
*NV		*NV	

(* = 1 bolt) (PP = POLYPROP) (CC = Complete Clamp)
Other materials available – please contact Volz for technical details

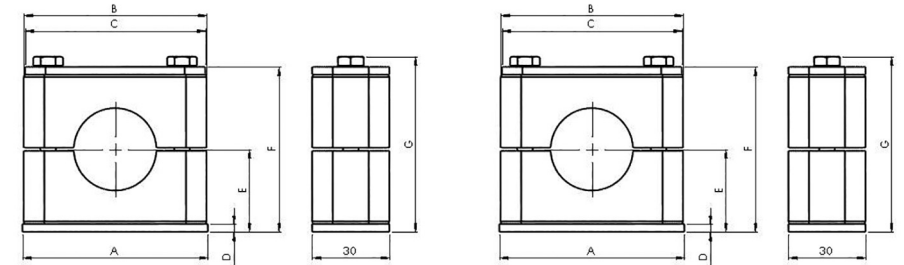
Complete Tube Clamp - Single, HD Carbon Steel



Discription	Article	Discription	Article
06mm PP CC	RCPR1-106	42mm PP CC	RCPR1-342
08mm PP CC	RCPR1-108	38mm PP CC	RCPR1-438
10mm PP CC	RCPR1-110	40mm PP CC	RCPR1-440
12mm PP CC	RCPR1-112	42mm PP CC	RCPR1-442
12.7mm PP CC	RCPR1-112.7	45mm PP CC	RCPR1-445
13.5mm PP CC	RCPR1-113.5	48.3mm PP CC	RCPR1-448.3
14mm PP CC	RCPR1-114	50mm PP CC	RCPR1-450
15mm PP CC	RCPR1-115	51mm PP CC	RCPR1-451
16mm PP CC	RCPR1-116	52mm PP CC	RCPR1-452
17.2mm PP CC	RCPR1-117.2	55mm PP CC	RCPR1-455
18mm PP CC	RCPR1-118	57mm PP CC	RCPR1-457
19mm PP CC	RCPR1-219	60.3mm PP CC	RCPR1-460.3
20mm PP CC	RCPR1-220	63mm PP CC	RCPR1-463
21.3mm PP CC	RCPR1-221.3	65mm PP CC	RCPR1-465
22mm PP CC	RCPR1-222	70mm PP CC	RCPR1-470
23mm PP CC	RCPR1-223	70mm PP CC	RCPR1-570
25mm PP CC	RCPR1-225	73mm PP CC	RCPR1-573
25.4mm PP CC	RCPR1-225.4	75mm PP CC	RCPR1-575
26.9mm PP CC	RCPR1-226.9	76.1mm PP CC	RCPR1-576.1
28mm PP CC	RCPR1-228	80mm PP CC	RCPR1-580
30mm PP CC	RCPR1-230	82.5mm PP CC	RCPR1-582.5
30mm PP CC	RCPR1-330	88.9mm PP CC	RCPR1-588.9
32mm PP CC	RCPR1-332	90mm PP CC	RCPR1-590
33.7mm PP CC	RCPR1-333.7	114.3mm PP CC	RCPR1-6114.3
35mm PP CC	RCPR1-335	97mm PP CC	RCPR1-697
38mm PP CC	RCPR1-338	130mm PP CC	RCPR1-7130
40mm PP CC	RCPR1-340		
*NV		*NV	

(* = 1 bolt) (PP = POLYPROP) (CC = Complete Clamp)
Other materials available – please contact Volz for technical details

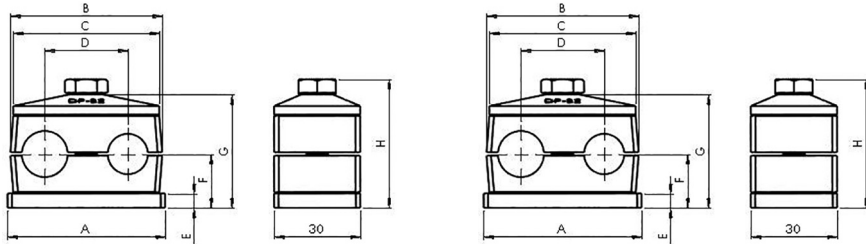
Complete Tube Clamp - Single, HD Stainless Steel



Discription	Article	Discription	Article
06mm PP SS CC	RCPR1-106/1.4571	42mm PP SS CC	RAPR3-426.9/1.4571
08mm PP SS CC	RCPR1-108/1.4571	38mm PP SS CC	RAPR3-428/1.4571
10mm PP SS CC	RCPR1-110/1.4571	40mm PP SS CC	RAPR3-430/1.4571
12mm PP SS CC	RCPR1-112/1.4571	42mm PP SS CC	RAPR3-532/1.4571
12.7mm PP SS CC	RCPR1-112.7/1.4571	45mm PP SS CC	RAPR3-533.7/1.4571
13.5mm PP SS CC	RCPR1-113.5/1.4571	48.3mm PP SS CC	RAPR3-535/1.4571
14mm PP SS CC	RCPR1-114/1.4571	50mm PP SS CC	RAPR3-538/1.4571
15mm PP SS CC	RCPR1-115/1.4571	51mm PP SS CC	RAPR3-540/1.4571
16mm PP SS CC	RCPR1-116/1.4571	52mm PP SS CC	RAPR3-542/1.4571
17.2mm PP SS CC	RCPR1-117.2/1.4571	55mm PP SS CC	RAPR3-644.5/1.4571
18mm PP SS CC	RCPR1-118/1.4571	57mm PP SS CC	RAPR3-645/1.4571
19mm PP SS CC	RCPR1-219/1.4571	60.3mm PP SS CC	RAPR3-648/1.4571
20mm PP SS CC	RCPR1-220/1.4571	63mm PP SS CC	RAPR3-650/1.4571
21.3mm PP SS CC	RCPR1-221.3/1.4571	65mm PP SS CC	RAPR3-650.8/1.4571
22mm PP SS CC	RCPR1-222/1.4571	70mm PP SS CC	RAPR3-652/1.4571
23mm PP SS CC	RCPR1-223/1.4571	70mm PP SS CC	RAPR3-655/1.4571
25mm PP SS CC	RCPR1-225/1.4571	73mm PP SS CC	RAPR3-657/1.4571
25.4mm PP SS CC	RCPR1-225.4/1.4571	75mm PP SS CC	RAPR3-757.2/1.4571
26.9mm PP SS CC	RCPR1-226.9/1.4571	76.1mm PP SS CC	RAPR3-760.3/1.4571
28mm PP SS CC	RCPR1-228/1.4571	80mm PP SS CC	RAPR3-763.5/1.4571
30mm PP SS CC	RCPR1-230/1.4571	82.5mm PP SS CC	RAPR3-770/1.4571
30mm PP SS CC	RCPR1-330/1.4571	88.9mm PP SS CC	RAPR3-773/1.4571
32mm PP SS CC	RCPR1-332/1.4571	90mm PP SS CC	RAPR3-776.1/1.4571
33.7mm PP SS CC	RCPR1-333.7/1.4571	114.3mm PP SS CC	RAPR3-888.9/1.4571
35mm PP SS CC	RCPR1-335/1.4571	97mm PP SS CC	RAPR3-8101.8/1.4571
38mm PP SS CC	RCPR1-338/1.4571	130mm PP SS CC	RAPR3-325.4/1.4571
40mm PP SS CC	RCPR1-340/1.4571		
*NV		*NV	

(* = 1 bolt) (PP = POLYPROP) (CC = Complete Clamp)
Other materials available – please contact Volz for technical details

Complete Tube Clamp - Single, TWIN

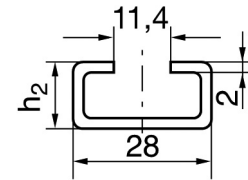


Discription	Article	Discription	Article
06mm PP CTC	RBPR-106	06mm PP SS CTC	RBPR-106/1.4571
06.4mm PP CTC	RBPR-106.4	06.4mm PP SS CTC	RBPR-106.4/1.4571
08mm PP CTC	RBPR-108	08mm PP SS CTC	RBPR-108/1.4571
09.5mm PP CTC	RBPR-109.5	09.5mm PP SS CTC	RBPR-109.5/1.4571
10mm PP CTC	RBPR-110	10mm PP SS CTC	RBPR-110/1.4571
12mm PP CTC	RBPR-112	12mm PP SS CTC	RBPR-112/1.4571
12.7mm PP CTC	RBPR-212.7	12.7mm PP SS CTC	RBPR-212.7/1.4571
13.5mm PP CTC	RBPR-213.5	13.5mm PP SS CTC	RBPR-213.5/1.4571
14mm PP CTC	RBPR-214	14mm PP SS CTC	RBPR-214/1.4571
15mm PP CTC	RBPR-215	15mm PP SS CTC	RBPR-215/1.4571
16mm PP CTC	RBPR-216	16mm PP SS CTC	RBPR-216/1.4571
17.2mm PP CTC	RBPR-217.2	17.2mm PP SS CTC	RBPR-217.2/1.4571
18mm PP CTC	RBPR-218	18mm PP SS CTC	RBPR-218/1.4571
19mm PP CTCp	RBPR-319	19mm PP SS CTC	RBPR-319/1.4571
20mm PP CTC	RBPR-320	20mm PP SS CTC	RBPR-320/1.4571
21.3mm PP CTC	RBPR-321.3	21.3mm PP SS CTC	RBPR-321.3/1.4571
22mm PP CTC	RBPR-322	22mm PP SS CTC	RBPR-322/1.4571
25mm PP CTC	RBPR-325	25mm PP SS CTC	RBPR-325/1.4571
25.4mm PP CTC	RBPR-325.4	25.4mm PP SS CTC	RBPR-325.4/1.4571
26.9mm PP CTC	RBPR-426.9	26.9mm PP SS CTC	RBPR-426.9/1.4571
28mm PP CTC	RBPR-428	28mm PP SS CTC	RBPR-428/1.4571
30mm PP CTC	RBPR-430	30mm PP SS CTC	RBPR-430/1.4571
32mm PP CTC	RBPR-532	32mm PP SS CTC	RBPR-532/1.4571
33.7mm PP CTC	RBPR-533.7	33.7mm PP SS CTC	RBPR-533.7/1.4571
35mm PP CTC	RBPR-535	35mm PP SS	RBPR-535/1.4571
38mm PP CTC	RBPR-538	38mm PP SS CTC	RBPR-538/1.4571
42mm PP CTC	RBPR-542	42mm PP SS CT	RBPR-542/1.4571
*NV		*NV	

(* = 1 bolt) (PP=POLYPROP) (CTC = Complete Twin Clamp)
Other materials available – please contact Volz for technical details

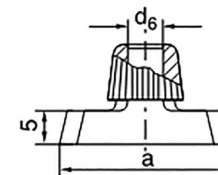
Accessory Products

Mounting Rail



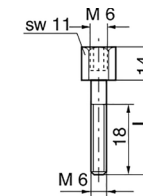
316SS	C/Steel
TS11-A/B1/1.4571	TS11-A/B1/ZP
TS14-A/B1/1.4571	TS14-A/B1/ZP
TS-C1/1.4571	TS-C1/ZP
*NV	

Rail Nuts



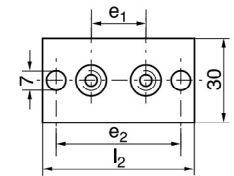
316SS	C/Steel
TM-A/B1/A4	TM-A/B1/CRVIF
TM-B2/A4	TM-B2/CRVIF
TM-C1/A4	TM-C1/CRVIF
TM-C4/A4	TM-C4/CRVIF
*NV	

Stacking Bolts



316SS	C/Steel
AS-A0/A1/B1/A4	AS-A0/A1/B1/Zn
AS-A2/A4	AS-A2/Zn
AS-A3/A4	AS-A3/Zn
AS-A4/A4	AS-A4/Zn
AS-A5/A4	AS-A5/Zn
AS-A6/A4	AS-A6/Zn
AS-B2/A4	AS-B2/Zn
AS-B3/A4	AS-B3/Zn
AS-B4/A4	AS-B4/Zn
AS-B5/A4	AS-B5/Zn
AS-C1/A4	AS-C1/CRVIF
AS-C2/A4	AS-C2/CRVIF
AS-C3/A4	AS-C3/CRVIF
AS-C4/A4	AS-C4/CRVIF
*NV	

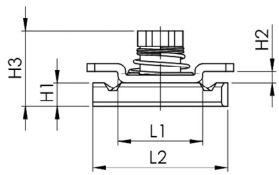
Weld/Screw Plate



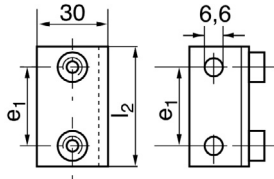
316SS	C/Steel
APL-A0/1.4571	APL-A0/CRVIF
APL-A1/1.4571	APL-A1/CRVIF
APL-A2/1.4571	APL-A2/CRVIF
APL-A3/1.4571	APL-A3/CRVIF
APL-A4/1.4571	APL-A4/CRVIF
APL-A5/1.4571	APL-A5/CRVIF
APL-A6/1.4571	APL-A6/CRVIF
APL-A7/1.4571	APL-A7/CRVIF
APL-A8/1.4571	APL-A8/CRVIF
APL-C0/1.4571	APL-C0/CRVIF
APL-C1/1.4571	APL-C1/CRVIF
APL-C2/1.4571	APL-C2/CRVIF
APL-C3/1.4571	APL-C3/CRVIF
APL-C4/1.4571	APL-C4/CRVIF
APL-C5/1.4571	APL-C5/CRVIF
APL-C6/1.4571	APL-C6/CRVIF
APL-C7/1.4571	APL-C7/CRVIF
APL-C8/1.4571	APL-C8/CRVIF
*NV	

Accessory Products

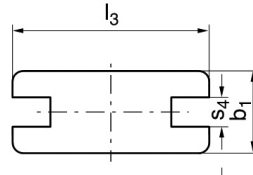
Channel Rail Adaptors



Angled Screw Plate



HD Locking Plate

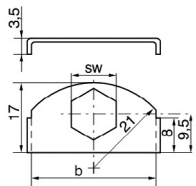


316SS	C/Steel
BA-A/B1/A4	BA-A/B1/ZN
BA-B2-3/A4	BA-B2-3/ZN
BA-B4-5/A4	BA-B4-5/ZN
BA-C1-3/A4	BA-C1-3/ZN
BA-C4/A4	BA-C4/ZN
*NV	

316SS	C/Steel
APW-A0/1.4571	APW-A0/CRVIF
APW-A1/1.4571	APW-A1/CRVIF
APW-A2/1.4571	APW-A2/CRVIF
APW-A3/1.4571	APW-A3/CRVIF
APW-A4/1.4571	APW-A4/CRVIF
APW-A5/1.4571	APW-A5/CRVIF
APW-A6/1.4571	APW-A6/CRVIF
*NV	

316SS	C/Steel
SP-C1/1.4571	SP-C1/CRVIF
SP-C2/1.4571	SP-C2/CRVIF
SP-C3/1.4571	SP-C3/CRVIF
SP-C4/1.4571	SP-C4/CRVIF
*NV	

Locking Plates - LD & Twin



316SS	C/Steel
SBR-A/1.4571	SBR-A/CRVIF
SB-B1/1.4571	SB-B1/CRVIF
SB-B2/1.4571	SB-B2/CRVIF
*NV	

*NV

*NV

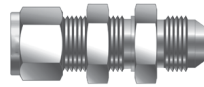
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Tube To Male

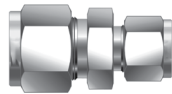
Union



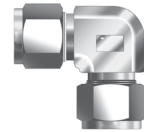
AN Bulk head Union



Reducing Union



Union Elbow



Bulkhead Union



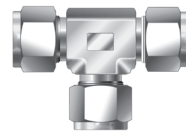
Reducing Union Elbow



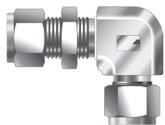
Bulkhead Retainer



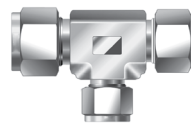
Union Tee



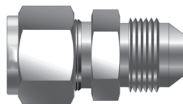
Bulkhead Elbow Union



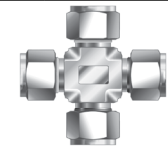
Reducing Union Tee



AN Union



Union Cross



*NV

Tube To Male

Bored-Through Fittings

Male NPT Connector



Bulkhead Male NPT Connector



Male BSPT Connector



Male ISO Parallel Connector



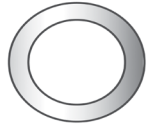
Male ISO Parallel Connector



Bonded Gasket



Copper Gasket



Male Metric Connector



Non-Positionable SAE Male Connector



O-Seal SAE Male Connector

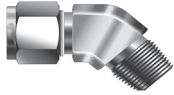


*NV

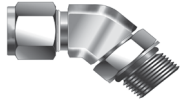


Tube To Male

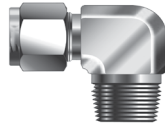
45° Male NPT/BSPT Elbow



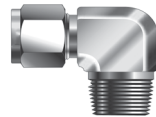
Positionable 45° SAE Male Elbow



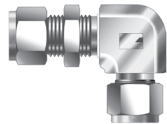
Male NPT Elbow



Male BSPT Elbow



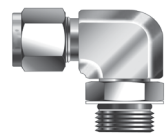
Bulkhead Elbow Union



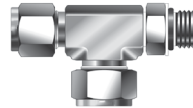
Positionable Male ISO Parallel Thread Elbow



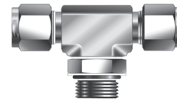
Positionable SAE Male Elbow



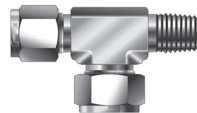
Positionable SAE Male Run Tee



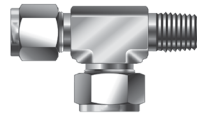
Positionable SAE Male Branch Tee



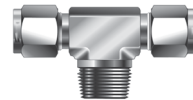
Male NPT Run Tee



Male BSPT Run Tee



Male NPT Branch Tee



Male BSPT Branch Tee

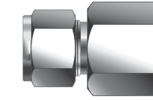


*NV

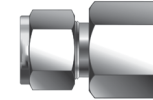


Tube To Female Pipe

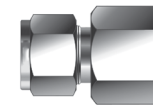
Female NPT Connector



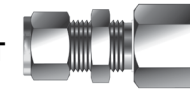
Female BSPT Connector



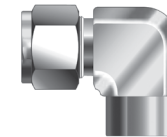
Female Gauge Connector



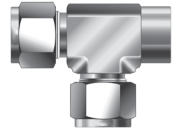
Bulkhead Female NPT/BSPT Connector



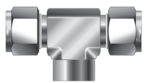
Female NPT/BSPT Elbows



Female NPT/BSPT Run Tee



Female NPT/BSPT Branch Tee



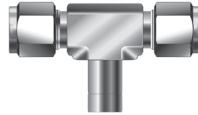
*NV

Tube Adapters

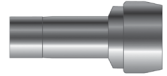
Port Connector



Branch Tee Tube Adapter



Reducing Port Connector



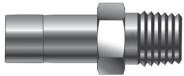
Male NPT Tube Adapter



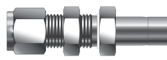
Port Reducer



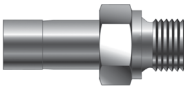
Male BSPT Tube Adapter



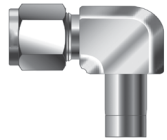
Bulkhead Tube Adapter



Male ISO Parallel Tube Adapter



Elbow Tube Adapter



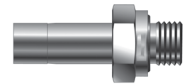
Male SAE Tube Adapter



Run Tee Tube Adapter



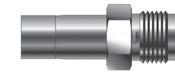
Male O-Seal Tube Adapter



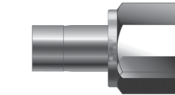
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Tube Adapters

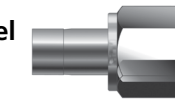
Male AN Tube Adapter



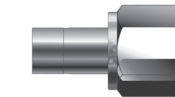
Female BSPT Tube Adapter



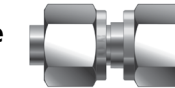
Female ISO Parallel Tube Adapter



Female Gauge Tube Adapter



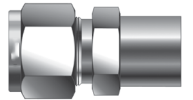
Female JIC Female Tube Adaptor



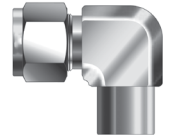
*NV

Tube To Weld End

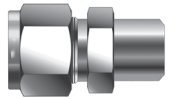
Tube Socket Weld Connector



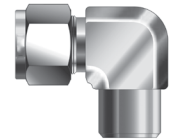
Tube Socket Weld Elbow



Pipe Butt Weld Connector



Pipe Butt Weld Elbow

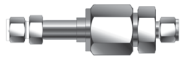


Bulkhead Weld Union

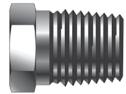


Engineered Products

Dielectric Fittings



Vent Protector



Tube To Flange

Flange Adapters

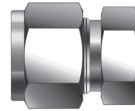


Lap Joint Flange Connector



Caps, Plugs, Tube Inserts

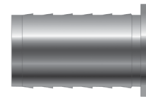
Tube Cap



Port Plug



Tube Insert



Inspection Tools

Stop Collar



Gap Inspection Gauge

*NV

Spare Parts

Front Ferrule



Back Ferrule



Ferrule Set



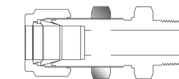
Nut-Ferrule Set



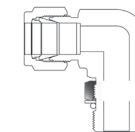
Nut



Bulkhead Lock Nut



Positionable Lock Nut



*NV

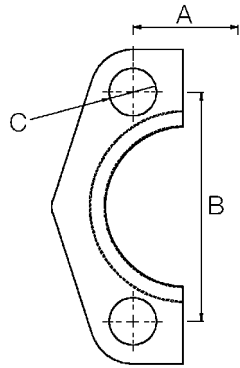
Tools

Tube Depth Marker

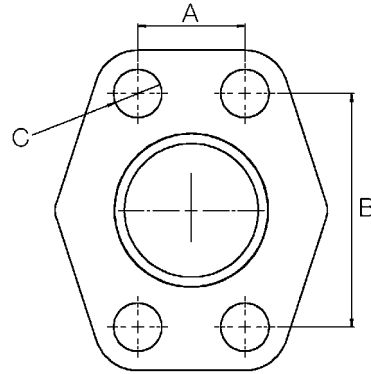
Pre-Swaging Tool

Pre-Swaging Unit

SPLIT FLANGES



FLANGE BLANKS



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Code 61	A	B	C	Article
1/2	17.5	38.1	9	228097
3/4	22.2	47.6	11	228099
1	26.2	52.4	11	228096
1.1/4	30.2	58.7	12	228101
1.1/2	35.7	69.9	13.5	228098
2	42.9	77.8	13.5	228100
*NV Article No. = 1/2 Flange				
Code 62	A	B	C	Article
1/2	18.2	40.5	9	228103
3/4	23.8	50.8	11	228105
1	27.8	57.2	13	228102
1.1/4	31.7	66.7	15	228107
1.1/2	36.5	79.4	17	228104
2	44.5	96.8	21	228106
*NV Article No. = 1/2 Flange				

Code 61	A	B	C	Article
1/2	17.5	38.1	9	124628
3/4	22.2	47.6	11	104312
1	26.2	52.4	11	104311
1.1/4	30.2	58.7	12	113850
1.1/2	35.7	69.9	13.5	124629
2	42.9	77.8	13.5	124630
2.1/2	50.8	88.9	13.5	124631
3	61.9	106.4	17	124632
*NV				
Code 62	A	B	C	Article
1/2	18.2	40.5	9	124633
3/4	23.8	50.8	11	124634
1	27.8	57.2	13	104310
1.1/4	31.7	66.7	15	104313
1.1/2	36.5	79.4	17	124635
2	44.5	96.8	21	124636
*NV				



Article	Article
ASKV06Sx1.5	100129
ASKV08Sx1.5	100130
ASKV08Sx2	100131
ASKV10Sx1	100132
ASKV10Sx1.5	100133
ASKV10Sx2	100134
ASKV12Sx1.5	124937
ASKV12Sx2	100136
ASKV12Sx2.5	100137
ASKV14Sx2	100138
ASKV14Sx3	100139
ASKV16Sx2	100141
ASKV16Sx2.5	100142
ASKV16Sx3	100143
ASKV20Sx2	100144
ASKV20Sx2.5	100145
ASKV20Sx3	100146
ASKV20Sx4	100147
ASKV25Sx3	100148
ASKV25Sx4	100149
ASKV25Sx5	100150
ASKV30Sx3	100151
ASKV30Sx4	100152
ASKV30Sx5	100153
ASKV30Sx6	100154
ASKV38Sx4	100155
ASKV38Sx5	100156
ASKV38Sx6	100157
ASKV38Sx7	100158
B-DH06L	100902
B-DH08L	100905
B-DH10L	100907
B-DH12L	100911
B-DH15L	100916
B-DH18L	100919
B-DH22L	100922
B-DH28L	100925
B-DH35L	100928
B-DH42L	100931
B-DH06S	100902
B-DH08S	100905
B-DH10S	100907
B-DH12S	100911
B-DH14S	100914
B-DH16S	100917
B-DH20S	100920
B-DH25S	100923
B-DH30S	100926
B-DH38S	100929
B-KR06L	100492
B-KR08L	100495
B-KR10L	100497
B-KR12L	100590
B-KR15L	100595
B-KR18L	100598
B-KR22L	100961
B-KR28L	100964
B-KR35L	100967
B-KR42L	100970
B-KR06S	100942
B-KR08S	100945
B-KR10S	100947
B-KR12S	100950
B-KR14S	100953
B-KR16S	100956
B-KR20S	100959
B-KR25S	100962
B-KR30S	100965
B-KR38S	100968
B-M06L	100971
B-M08L	100975
B-M10L	100978
B-M12L	100982
B-M15L	100987
B-M18L	100990
B-M22L	100991
B-M28L	100995
B-M35L	100998
B-M42L	101001
B-M06S	100973
B-M08S	100976
B-M10S	100980
B-M12S	100984
B-M14S	100987
B-M16S	100988
B-M20S	100991
B-M25S	100993
B-M30S	100996
B-M38S	100999
BO-SET06L	126669
BO-SET08L	126670
BO-SET10L	126671
BO-SET12L	126672

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Article	Article	Article			
EDKV22L	101165	EGV12SR3/8	101337	EGV12SM18x1,5	101335
EDKV28L	101167	EGV12SR1/2	101338	EGV14SM20x1,5	101345
EDKV35L	101169	EGV14SR1/2	101347	EGV16SM22x1,5	101363
EDKV42L	101171	EGV16SR1/2	101365	EGV20SM27x2	101381
		EGV16SR3/4	101366	EGV25SM33x2	101398
EDKV06S	101153	EGV20SR3/4	101383	EGV30SM42x2	101411
EDKV08S	101155	EGV25SR1	101400	EGV38SM48x2	101423
EDKV10S	101157	EGV30SR1.1/4	101413		
EDKV12S	101159	EGV38SR1.1/2	101425	EGV06LM10x1WD	101271
EDKV14S	101160			EGV08LM12x1,5WD	101289
EDKV16S	101162	EGV06LR1/8WD	101275	EGV10LM14x1,5WD	101308
EDKV20S	101164	EGV08LR1/4WD	101295	EGV12LM16x1,5WD	101325
EDKV25S	101166	EGV10LR1/4WD	101312	EGV15LM18x1,5WD	101355
EDKV30S	101168	EGV12LR3/8WD	101331	EGV18LM22x1,5WD	101374
EDKV38S	101170	EGV12LR1/4WD	101330	EGV22LM26x1,5WD	101391
		EGV12LR1/2WD	101328	EGV28LM33x2WD	101406
EDKRV08L/06L	123950	EGV15LR1/2WD	101359	EGV35LM42x2WD	101419
EDKRV10L/08L	123953	EGV18LR1/2WD	101378	EGV42LM48x2WD	101429
EDKRV12L/10L	123957	EGV22LR3/4WD	101395		
EDKRV12L/12S	123958	EGV28LR1WD	101408	EGV06SM12x1,5WD	101279
EDKRV15L/10L	124000	EGV35LR1.1/4WD	101421	EGV08SM14x1,5WD	101300
EDKRV15L/12L	124001	EGV42LR1.1/2WD	101431	EGV10SM16x1,5WD	101316
EDKRV18L/10L	124002			EGV12SM18x1,5WD	101336
EDKRV18L/12L	124003	EGV06SR1/4WD	101283	EGV14SM20x1,5WD	101346
EDKRV18L/15L	124004	EGV08SR1/4WD	101304	EGV16SM22x1,5WD	101364
EDKRV18L/16S	124005	EGV10SR3/8WD	101320	EGV20SM27x2WD	101382
EDKRV22L/15L	124006	EGV12SR3/8WD	101342	EGV25SM33x2WD	101399
EDKRV22L/18L	124007	EGV12SR1/2WD	101339	EGV30SM42x2WD	101412
EDKRV22L/20S	124008	EGV14SR1/2WD	101350	EGV38SM48x2WD	101424
EDKRV08S/06S	124054	EGV16SR1/2WD	101370		
EDKRV10S/08S	124056	EGV16SR3/4WD	101367	EGV06L1/8NPT	101269
EDKRV16S/12S	124061	EGV20SR3/4WD	101386	EGV08L1/4NPT	101284
EDKRV20S/16S	124063	EGV25SR1WD	101403	EGV10L1/4NPT	101305
		EGV30SR1.1/4WD	101416	EGV12L3/8NPT	101323
EGV06LR1/8	101272	EGV38SR1.1/2WD	101426	EGV15L1/2NPT	101351
EGV08LR1/4	101290			EGV18L1/2NPT	101371
EGV10LR1/4	101309	EGV06LM10x1	101270	EGV22L3/4NPT	101388
EGV12LR3/8	101326	EGV08LM12x1,5	101287	EGV28L1NPT	101404
EGV12LR1/4	101329	EGV10LM14x1,5	101307	EGV35L1.1/4NPT	101417
EGV12LR1/2	101327	EGV12LM16x1,5	101324	EGV42L1.1/2NPT	101427
EGV15LR1/2	101356	EGV15LM18x1,5	101354		
EGV18LR1/2	101375	EGV18LM22x1,5	101373	EGV06S1/4NPT	101276
EGV22LR3/4	101392	EGV22LM26x1,5	101389	EGV08S1/4NPT	101296
EGV28LR1	101407	EGV28LM33x2	101405	EGV10S3/8NPT	101314
EGV35LR1.1/4	101420	EGV30SM42x2	101418	EGV12S3/8NPT	101334
EGV42LR1.1/2	101430	EGV42LM48x2	101428	EGV14S1/2NPT	101343
				EGV16S1/2NPT	101360
EGV06SR1/4	101280	EGV06SM12x1,5	101278	EGV20S3/4NPT	101380
EGV08SR1/4	101301	EGV08SM14x1,5	101298	EGV25S1NPT	101396
EGV10SR3/8	101317	EGV10SM16x1,5	101315	EGV30S1.1/4NPT	101410

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Article	Article
EGV38S1.1/2NPT	101422
EGVD06LR1/8	207526
EGVD08LR1/4	207527
EGVD10LR1/4	207528
EGVD10LR3/8	207529
EGVD12LR3/8	207530
EGVD12LR1/4	207531
EGVD12LR1/2	207532
EGVD15LR1/2	207533
EGVD18LR1/2	207534
EGVD18LR3/4	207535
EGVD22LR3/4	207536
EGVD28LR1	207537
EGVD35LR1.1/4	207538
EGVD42LR1.1/2	207539
EGVD06SR1/4	207540
EGVD08SR1/4	207541
EGVD10SR3/8	207542
EGVD12SR3/8	207543
EGVD12SR1/4	207544
EGVD12SR1/2	207545
EGVD14SR1/2	207546
EGVD16SR1/2	207547
EGVD20SR3/4	207548
EGVD25SR1	207549
EGVD30SR1.1/4	207550
EGVD38SR1.1/2	207551
EGVD06LR1/8WD	101434
EGVD08LR1/4WD	101438
EGVD10LR1/4WD	101442
EGVD10LR3/8WD	200585
EGVD12LR3/8WD	101447
EGVD12LR1/4WD	101446
EGVD12LR1/2WD	201370
EGVD15LR1/2WD	101454
EGVD18LR1/2WD	101458
EGVD18LR3/4WD	204538
EGVD22LR3/4WD	101462
EGVD28LR1WD	101467
EGVD35LR1.1/4WD	101471
EGVD42LR1.1/2WD	101475
EGVD06SR1/4WD	101436
EGVD08SR1/4WD	101440
EGVD10SR3/8WD	101444
EGVD12SR3/8WD	101450
EGVD12SR1/4WD	200551

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Article	Article	Article			
ELV06L	101479	ELVD22L	101584	ELV08SM14x1,5	101490
ELV08L	101485	ELVD28L	101590	ELV10SM16x1,5	101498
ELV10L	101493	ELVD35L	101596	ELV12SM18x1,5	101505
ELV12L	101500	ELVD42L	101602	ELV14SM20x1,5	101508
ELV15L	101510	ELVD06S	101548	ELV16SM22x1,5	101516
ELV18L	101518	ELVD08S	101554	ELV20SM27x2	101522
ELV22L	101524	ELVD10S	101560	ELV25SM33x2	101528
ELV28L	101530	ELVD12S	101566	ELV30SM42x2	101534
ELV35L	101536	ELVD14S	101569	ELV38SM48x2	101540
ELV42L	101542	ELVD16S	101575	ELVD06LM10x1WD	101546
ELV06S	101482	ELVD20S	101581	ELVD08LM12x1,5WD	101552
ELV08S	101489	ELVD25S	101587	ELVD10LM14x1,5WD	101558
ELV10S	101497	ELVD30S	101593	ELVD12LM16x1,5WD	101564
ELV12S	101504	ELVD38S	101599	ELVD15LM18x1,5WD	101573
ELV14S	101507	ELVD06LR1/8WD	101547	ELVD18LM22x1,5WD	101579
ELV16S	101514	ELVD08LR1/4WD	101553	ELVD22LM26x1,5WD	101585
ELV20S	101521	ELVD10LR1/4WD	101559	ELVD28LM33x2WD	101591
ELV25S	101527	ELVD12LR3/8WD	101565	ELVD35LM42x2WD	101597
ELV30S	101533	ELVD15LR1/2WD	101574	ELVD42LM48x2WD	101603
ELV38S	101539	ELVD18LR1/2WD	101580	ELVD06SM12x1,5WD	101549
ELV06LR1/8	101481	ELVD22LR3/4WD	101586	ELVD08SM14x1,5WD	101555
ELV08LR1/4	101488	ELVD28LR1WD	101592	ELVD10SM16x1,5WD	101561
ELV10LR1/4	101496	ELVD35LR1.1/4WD	101598	ELVD12SM18x1,5WD	101567
ELV12LR3/8	101502	ELVD42LR1.1/2WD	101604	ELVD14SM20x1,5WD	101570
ELV15LR1/2	101512	ELVD06SR1/4WD	101550	ELVD16SM22x1,5WD	101576
ELV18LR1/2	101520	ELVD08SR1/4WD	101556	ELVD20SM27x2WD	101582
ELV22LR3/4	101526	ELVD10SR3/8WD	101562	ELVD25SM33x2WD	101588
ELV28LR1	101532	ELVD12SR3/8WD	101568	ELVD30SM42x2WD	101594
ELV35LR1.1/4	101538	ELVD14SR1/2WD	101571	ELVD38SM48x2WD	101600
ELV42LR1.1/2	101544	ELVD16SR1/2WD	101577	ESH 4 / 2.0	101610
ELV06SR1/4	101484	ELVD20SR3/4WD	101583	ESH 4 / 2.5	207915
ELV08SR1/4	101491	ELVD25SR1WD	101589	ESH 4 / 3.0	207916
ELV10SR3/8	101499	ELVD30SR1.1/4WD	101595	ESH 5 / 3.0	207917
ELV12SR3/8	101506	ELVD38SR1.1/2WD	101601	ESH 5 / 4.0	207918
ELV14SR1/2	101509	ELV06LM10x1	101480	ESH 6 / 3.0	207919
ELV16SR1/2	101517	ELV08LM12x1,5	101487	ESH 6 / 4.0	207920
ELV20SR3/4	101523	ELV10LM14x1,5	101495	ESH 6 / 4.5	207921
ELV25SR1	101529	ELV12LM16x1,5	101501	ESH 6 / 5.0	207922
ELV30SR1.1/4	101535	ELV15LM18x1,5	101511	ESH 8 / 5.0	207174
ELV38SR1.1/2	101541	ELV18LM22x1,5	101519	ESH 8 / 6.0	101613
ELVD06L	101545	ELV22LM26x1,5	101525	ESH 8 / 7.0	207923
ELVD08L	101551	ELV28LM33x2	101531	ESH 10 / 7.0	204314
ELVD10L	101557	ELV35LM42x2	101537	ESH 10 / 8.0	101606
ELVD12L	101563	ELV42LM48x2	101543	ESH 10 / 9.0	207924
ELVD15L	101572	ELV06SM12x1,5	101483	ESH 12 / 9.0	101608
ELVD18L	101578			ESH 12 / 10.0	101607
				ESH 12 / 10.4	207925

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Article	Article	Article			
ESH 14 / 12.0	207926	ETV255	101727	ETVD10LR1/4WD	101759
ESH 15 / 12.0	101609	ETV305	101733	ETVD12LR3/8WD	101765
ESH 15 / 13.0	207927	ETV385	101739	ETVD15LR1/2WD	101774
ESH 16 / 14.0	207928			ETVD18LR1/2WD	101780
ESH 18 / 14.0	207929	ETVD06L	101745	ETVD22LR3/4WD	101786
ESH 18 / 15.0	207930	ETVD08L	101751	ETVD28LR1WD	101792
ESH 18 / 16.0	207931	ETVD10L	101757	ETVD35LR1.1/4WD	101798
ESH 22 / 19.0	207932	ETVD12L	101763	ETVD42LR1.1/2WD	101804
ESH 22 / 20.0	207933	ETVD15L	101772		
		ETVD18L	101778	ETVD06SR1/4WD	101750
		ETVD22L	101784	ETVD08SR1/4WD	101756
ESV06L	101617	ETVD28L	101790	ETVD10SR3/8WD	101762
ESV08L	101619	ETVD35L	101796	ETVD12SR3/8WD	101768
ESV10L	101621	ETVD42L	101802	ETVD14SR1/2WD	101771
ESV12L	101623			ETVD16SR1/2WD	101777
ESV15L	101626			ETVD20SR3/4WD	101783
ESV18L	101629	ETVD06S	101748	ETVD25SR1WD	101789
ESV22L	101631	ETVD08S	101754	ETVD30SR1.1/4WD	101795
ESV28L	101633	ETVD10S	101760	ETVD38SR1.1/2WD	101801
ESV35L	101635	ETVD12S	101766		
ESV42L	101637	ETVD14S	101769	ETV06LM10x1	101679
		ETVD16S	101775	ETV08LM12x1,5	101686
ESV06S	101618	ETVD20S	101781	ETV10LM14x1,5	101694
ESV08S	101620	ETVD25S	101787	ETV12LM16x1,5	101701
ESV10S	101622	ETVD30S	101793	ETV15LM18x1,5	101713
ESV12S	101624	ETVD38S	101799	ETV18LM22x1,5	101719
ESV14S	101625			ETV22LM26x1,5	101725
ESV16S	101628	ETV06LR1/8	101680	ETV28LM33x2	101731
ESV20S	101630	ETV08LR1/4	101687	ETV35LM42x2	101737
ESV25S	101632	ETV10LR1/4	101695	ETV42LM48x2	101743
ESV30S	101634	ETV12LR3/8	101703		
ESV38S	101636	ETV15LR1/2	101714	ETV06SM12x1,5	101682
		ETV18LR1/2	101720	ETV08SM14x1,5	101689
ETV06L	101678	ETV22LR3/4	101726	ETV10SM16x1,5	101698
ETV08L	101684	ETV28LR1	101732	ETV12SM18x1,5	101706
ETV10L	101692	ETV35LR1.1/4	101738	ETV14SM20x1,5	101710
ETV12L	101700	ETV42LR1.1/2	101744	ETV16SM22x1,5	101716
ETV15L	101712			ETV20SM27x2	101722
ETV18L	101718	ETV06SR1/4	101683	ETV25SM33x2	101728
ETV22L	101724	ETV08SR1/4	101690	ETV30SM42x2	101734
ETV28L	101730	ETV10SR3/8	101699	ETV38SM48x2	101740
ETV35L	101736	ETV12SR3/8	101707		
ETV42L	101742	ETV14SR1/2	101711	ETVD06LM10x1WD	101746
		ETV16SR1/2	101717	ETVD08LM12x1,5WD	101752
ETV06S	101681	ETV20SR3/4	101723	ETVD10LM14x1,5WD	101758
ETV08S	101688	ETV25SR1	101729	ETVD12LM16x1,5WD	101764
ETV10S	101697	ETV30SR1.1/4	101735	ETVD15LM18x1,5WD	101773
ETV12S	101705	ETV38SR1.1/2	101741	ETVD18LM22x1,5WD	101779
ETV14S	101709			ETVD22LM26x1,5WD	101785
ETV16S	101715	ETVD06LR1/8WD	101747	ETVD28LM33x2WD	101791
ETV20S	101721	ETVD08LR1/4WD	101753		

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Article	Article	Article			
ETVD35LM42x2WD	101797	EWV12S	101901	EWVD06L	101949
ETVD42LM48x2WD	101803	EWV14S	101905	EWVD08L	101955
		EWV16S	101914	EWVD10L	101961
ETVD06SM12x1,5WD	101749	EWV20S	101922	EWVD12L	101968
ETVD08SM14x1,5WD	101755	EWV25S	101929	EWVD15L	101978
ETVD10SM16x1,5WD	101761	EWV30S	101936	EWVD18L	101986
ETVD12SM18x1,5WD	101767	EWV38S	101943	EWVD22L	101994
ETVD14SM20x1,5WD	101770			EWVD28L	102001
ETVD16SM22x1,5WD	101776	EWV06LR1/8	101872	EWVD35L	102008
ETVD20SM27x2WD	101782	EWV08LR1/4	101879	EWVD42L	102014
ETVD25SM33x2WD	101788	EWV10LR1/4	101888		
ETVD30SM42x2WD	101794	EWV12LR3/8	101899	EWVD06S	101952
ETVD38SM48x2WD	101800	EWV15LR1/2	101911	EWVD08S	101958
		EWV18LR1/2	101920	EWVD10S	101965
EVS06L	126344	EWV22LR3/4	101928	EWVD12S	101972
EVS08L	101807	EWV28LR1	101935	EWVD14S	101975
EVS10L	126381	EWV35LR1.1/4	101942	EWVD16S	101982
EVS12L	101808	EWV42LR1.1/2	101948	EWVD20S	101991
EVS15L	101810	EWV06SR1/4	101876	EWVD25S	101997
EVS18L	126382	EWV08SR1/4	101883	EWVD30S	102005
EVS22L	101813	EWV10SR3/8	101892	EWVD38S	102011
EVS28L	126666	EWV12SR3/8	101903		
EVS35L	126667	EWV14SR1/2	101907	EWVD06LR1/8WD	101951
EVS42L	126668	EWV16SR1/2	101916	EWVD08LR1/4WD	101957
		EWV20SR3/4	101924	EWVD10LR1/4WD	101964
EVS06S	126676	EWV25SR1	101931	EWVD12LR3/8WD	101971
EVS08S	126686	EWV30SR1.1/4	101938	EWVD15LR1/2WD	101980
EVS10S	126691	EWV38SR1.1/2	101945	EWVD18LR1/2WD	101989
EVS12S	101809			EWVD22LR3/4WD	101996
EVS14S	126692	EWV06LM10x1	101871	EWVD28LR1WD	102004
EVS16S	101811	EWV08LM12x1,5	101878	EWVD35LR1.1/4WD	102010
EVS20S	101812	EWV10LM14x1,5	101887	EWVD42LR1.1/2WD	102017
EVS25S	126693	EWV12LM16x1,5	101895		
EVS30S	106334	EWV15LM18x1,5	101909	EWVD06SR1/4WD	101954
EVS38S	126694	EWV18LM22x1,5	101919	EWVD08SR1/4WD	101960
		EWV22LM26x1,5	101927	EWVD10SR3/8WD	101967
EWV06L	101868	EWV28LM33x2	101934	EWVD12SR3/8WD	101974
EWV08L	101877	EWV35LM42x2	101941	EWVD14SR1/2WD	101977
EWV10L	101885	EWV42LM48x2	101947	EWVD16SR1/2WD	101985
EWV12L	101894			EWVD20SR3/4WD	101993
EWV15L	101908	EWV06SM12x1,5	101875	EWVD25SR1WD	102000
EWV18L	124386	EWV08SM14x1,5	101882	EWVD30SR1.1/4WD	102007
EWV22L	101926	EWV10SM16x1,5	101891	EWVD38SR1.1/2WD	102013
EWV28L	101933	EWV12SM18x1,5	101902		
EWV35L	101940	EWV14SM20x1,5	101906	EWVD06LM10x1WD	101950
EWV42L	101946	EWV16SM22x1,5	101915	EWVD08LM12x1,5WD	101956
		EWV20SM27x2	101923	EWVD10LM14x1,5WD	101962
EWV06S	101874	EWV25SM33x2	101930	EWVD12LM16x1,5WD	101970
EWV08S	101881	EWV30SM42x2	101937	EWVD15LM18x1,5WD	101979
EWV10S	101890	EWV38SM48x2	101944	EWVD18LM22x1,5WD	101987

Made in Germany



Article	Article
EWVD22LM26x1,5WD 101995	EWVD-45°10SR3/8 207626
EWVD28LM33x2WD 102002	EWVD-45°12SR3/8 207627
EWVD35LM42x2WD 102009	EWVD-45°16SR1/2 207628
EWVD42LM48x2WD 102015	EWVD-45°20SR3/4 207629
	EWVD-45°25SR1 207630
EWVD06SM12x1,5WD 101953	EWVD-45°30SR1.1/4 207631
EWVD08SM14x1,5WD 101959	EWVD-45°38SR1.1/2 207632
EWVD10SM16x1,5WD 101966	
EWVD12SM18x1,5WD 101973	EWVD-45°06LM10x1 207633
EWVD14SM20x1,5WD 101976	EWVD-45°08LM12x1,5 207634
EWVD16SM22x1,5WD 101983	EWVD-45°10LM14x1,5 207635
EWVD20SM27x2WD 101992	EWVD-45°12LM16x1,5 207636
EWVD25SM33x2WD 101998	EWVD-45°15LM18x1,5 207637
EWVD30SM42x2WD 102006	EWVD-45°18LM22x1,5 207638
EWVD38SM48x2WD 102012	EWVD-45°22LM26x1,5 207639
	EWVD-45°28LM33x2 207640
EWVD-45°06L 207593	EWVD-45°35LM42x2 207641
EWVD-45°08L 207594	EWVD-45°42LM48x2 207642
EWVD-45°10L 207595	
EWVD-45°12L 207596	EWVD-45°06SM12x1,5 207643
EWVD-45°15L 207597	EWVD-45°08SM14x1,5 207644
EWVD-45°18L 207598	EWVD-45°10SM16x1,5 207645
EWVD-45°22L 207599	EWVD-45°12SM18x1,5 207646
EWVD-45°28L 207600	EWVD-45°16SM22x1,5 207647
EWVD-45°35L 207601	EWVD-45°20SM27x2 207648
EWVD-45°42L 207602	EWVD-45°25SM33x2 207649
	EWVD-45°30SM42x2 207650
EWVD-45°06S 207603	EWVD-45°38SM48x2 207651
EWVD-45°08S 207604	
EWVD-45°10S 207605	GAIV06LR1/8 102023
EWVD-45°12S 207606	GAIV06LR1/4 102025
EWVD-45°16S 207607	GAIV08LR1/4 102035
EWVD-45°20S 207608	GAIV08LR3/8 102038
EWVD-45°25S 207609	GAIV08LR1/2 102036
EWVD-45°30S 207610	GAIV10LR1/4 102049
EWVD-45°38S 207611	GAIV10LR3/8 102052
	GAIV10LR1/2 102050
EWVD-45°06LR1/8 207614	GAIV12LR3/8 102065
EWVD-45°08LR1/4 207615	GAIV12LR1/2 102066
EWVD-45°10LR1/4 207616	GAIV15LR1/2 102086
EWVD-45°12LR3/8 207617	GAIV18LR1/2 102100
EWVD-45°15LR1/2 207618	GAIV18LR3/8 102103
EWVD-45°18LR1/2 207619	GAIV22LR3/4 102112
EWVD-45°22LR3/4 207620	GAIV28LR1 102119
EWVD-45°28LR1 207621	GAIV35LR1.1/4 102124
EWVD-45°35LR1.1/4 207622	GAIV42LR1.1/2 102130
EWVD-45°42LR1.1/2 207623	
	GAIV06SR1/4 102028
EWVD-45°06SR1/4 207624	GAIV08SR1/4 102040
EWVD-45°08SR1/4 207625	GAIV10SR3/8 102054

Made in Germany



Article	Article	Article
GAIV12SR3/8 102073	GAIV14S1/2NPT 207702	GEV04LLR1/8 102187
GAIV12SR1/2 102074	GAIV16S1/2NPT 200913	GEV06LLR1/8 102205
GAIV14SR1/2 102077	GAIV20S1/2NPT 126621	GEV06LLR1/4 102206
GAIV16SR1/2 102091	GAIV20S3/4NPT 201787	GEV08LLR1/8 102273
GAIV20SR3/4 102105	GAIV25S1NPT 207703	GEV08LLR1/4 102274
GAIV25SR1 102166	GAIV30S1.1/4NPT 201815	GEV06LR1/8 102220
GAIV30SR1.1/4 102121	GAIV38S1.1/2NPT 207704	GEV06LR1/4 102225
GAIV38SR1.1/2 102127	GASV06L 102137	GEV06LR3/8 102231
GAIV06LM10x1 102022	GASV08L 102138	GEV06LR1/2 102221
GAIV08LM12x1,5 102034	GASV10L 102141	GEV08LR1/8 102293
GAIV10LM14x1,5 102047	GASV12L 102143	GEV08LR1/4 102289
GAIV12LM16x1,5 102062	GASV15L 102146	GEV08LR3/8 102299
GAIV15LM18x1,5 102085	GASV18L 102148	GEV08LR1/2 102290
GAIV18LM22x1,5 102099	GASV22L 102150	GEV08LR3/4 102296
GAIV22LM26x1,5 102111	GASV28L 102152	GEV10LR1/8 102357
GAIV28LM33x2 102118	GASV35L 102154	GEV10LR1/4 102353
GAIV35LM42x2 102123	GASV42L 102156	GEV10LR3/8 102363
GAIV42LM48x2 102129		GEV10LR1/2 102354
	GASV06S 102139	GEV10LR3/4 102360
GAIV06SM12x1,5 102027	GASV08S 102140	GEV12LR1/8 102428
GAIV08SM14x1,5 102039	GASV10S 102142	GEV12LR1/4 102425
GAIV10SM16x1,5 102053	GASV12S 102144	GEV12LR3/8 102421
GAIV12SM18x1,5 102070	GASV14S 102145	GEV12LR1/2 102422
GAIV14SM20x1,5 102076	GASV16S 102147	GEV12LR3/4 102431
GAIV16SM22x1,5 102090	GASV20S 102149	GEV15LR1/8 102521
GAIV20SM27x2 102104	GASV25S 102151	GEV15LR1/4 102518
GAIV25SM33x2 102115	GASV30S 102153	GEV15LR3/8 102529
GAIV30SM42x2 102120	GASV38S 102155	GEV15LR1/2 102516
GAIV38SM48x2 102126		GEV15LR3/4 102526
	GEDV 06L 207506	GEV15LR1 102517
GAIV06L1/8NPT 102021	GEDV 08L 207507	GEV18LR1/8 102591
GAIV06L1/4NPT 102020	GEDV 10L 207508	GEV18LR1/4 102588
GAIV08L1/4NPT 102031	GEDV 12L 207509	GEV18LR3/8 102599
GAIV10L1/4NPT 102044	GEDV 15L 207510	GEV18LR1/2 102586
GAIV12L3/8NPT 102061	GEDV 18L 207511	GEV18LR3/4 102596
GAIV12L1/2NPT 102058	GEDV 22L 207512	GEV18LR1 102587
GAIV15L1/2NPT 102081	GEDV 28L 207513	GEV22LR3/8 102655
GAIV18L1/2NPT 102095	GEDV 35L 207514	GEV22LR1/2 102649
GAIV22L3/4NPT 102109	GEDV 42L 207515	GEV22LR3/4 102647
GAIV28L1NPT 102117		GEV22LR1 102648
GAIV35L1.1/4NPT 102122	GEDV 06S 207516	GEV22LR1.1/4 102657
GAIV42L1.1/2NPT 102128	GEDV 08S 207517	GEV28LR1/2 102695
	GEDV 10S 207518	GEV28LR3/4 102700
GAIV06S1/8NPT 207700	GEDV 12S 207519	GEV28LR1 102694
GAIV06S1/4NPT 126617	GEDV 14S 207520	GEV28LR1.1/4 102702
GAIV08S1/4NPT 126618	GEDV 16S 207521	GEV28LR1.1/2 102698
GAIV10S3/8NPT 126619	GEDV 20S 207522	GEV35LR1/2 102739
GAIV12S1/4NPT 207701	GEDV 25S 207523	GEV35LR3/4 102746
GAIV12S3/8NPT 126620	GEDV 30S 207524	GEV35LR1 102738
GAIV12S1/2NPT 201423	GEDV 38S 207525	GEV35LR1.1/4 102737
		GEV35LR1.1/2 102773
		GEV35LR1.1/2 102774
		GEV42LR1 102774
		GEV42LR1.1/4 102777
		GEV42LR1.1/2 102773
		GEV06SR1/8 102251
		GEV06SR1/4 102247
		GEV06SR3/8 102255
		GEV06SR1/2 102248
		GEV06SR3/4 102253
		GEV08SR1/4 102319
		GEV08SR3/8 102326
		GEV08SR1/2 102320
		GEV10SR1/8 102391
		GEV10SR1/4 102389
		GEV10SR3/8 102386
		GEV10SR1/2 102387
		GEV10SR3/4 102393
		GEV12SR1/4 102464
		GEV12SR3/8 102460
		GEV12SR1/2 102461
		GEV12SR3/4 102468
		GEV14SR1/4 102483
		GEV14SR3/8 102490
		GEV14SR1/2 102481
		GEV14SR3/4 102488
		GEV14SR1 102482
		GEV16SR1/4 102557
		GEV16SR3/8 102564
		GEV16SR1/2 102555
		GEV16SR3/4 102562
		GEV20SR1/4 123823
		GEV20SR3/8 102626
		GEV20SR1/2 102621
		GEV20SR3/4 102619
		GEV20SR1 102620
		GEV20SR1.1/4 102628
		GEV20SR1.1/2 102624
		GEV25SR1/2 102673
		GEV25SR3/4 102677
		GEV25SR1 102672
		GEV25SR1.1/4 102679
		GEV25SR1.1/2 102675
		GEV30SR1/2 102718
		GEV30SR1 102717
		GEV30SR1.1/4 102716
		GEV30SR1.1/2 102722
		GEV38SR3/4 102761
		GEV38SR1 102759
		GEV38SR1.1/4 102762

Made in Germany



Article		Article		Article		Article		Article			
GEV38SR1.1/2	102758	GEV08SR1/2 WD	102321	GEV10LR3/8keg.	102364	GEV38SR1.1/2keg.	123892	GEV16SM16x1.5	102550	GEV12SM18x1,5WD	102459
GEV04LLR1/8 WD	123836	GEV10SR1/8 WD	102392	GEV10LR1/2keg.	102355	GEV06LM10x1	102208	GEV16SM18x1.5	102552	GEV12SM22x1,5WD	102458
GEV06LLR1/8 WD	123837	GEV10SR1/4 WD	102390	GEV12LR1/8keg.	102429	GEV06LM12x1.5	102212	GEV16SM22x1.5	102548	GEV14SM20x1,5WD	102480
GEV06LR1/8 WD	102235	GEV10SR3/8 WD	102397	GEV12LR1/4keg.	102426	GEV06LM14x1.5	102215	GEV20SM18x1.5	102615	GEV16SM18x1,5WD	102553
GEV06LR1/4 WD	102227	GEV10SR1/2 WD	102388	GEV12LR3/8keg.	102435	GEV08LM10x1	102278	GEV20SM22x1.5	102616	GEV16SM22x1,5WD	102554
GEV06LR3/8 WD	102233	GEV10SR3/4 WD	102394	GEV12LR1/2keg.	102423	GEV08LM12x1.5	102277	GEV20SM27x2	102614	GEV20SM27x2WD	102618
GEV06LR1/2 WD	102224	GEV12SR1/4 WD	102465	GEV12LR3/4keg.	102432	GEV08LM14x1.5	102281	GEV25SM22x1.5	102670	GEV25SM33x2WD	102671
GEV08LR1/8 WD	102295	GEV12SR3/8 WD	102470	GEV15LR1/4keg.	102519	GEV08LM16x1.5	102284	GEV25SM33x2	102669	GEV30SM42x2WD	102715
GEV08LR1/4 WD	102303	GEV12SR1/2 WD	102463	GEV15LR3/8keg.	102531	GEV08LM18x1.5	123831	GEV30SM33x2	123835	GEV38SM48x2WD	102757
GEV08LR3/8 WD	102301	GEV14SR3/4 WD	102469	GEV15LR1/2keg.	102534	GEV10LM10x1	123833	GEV30SM42x2	102714		
GEV08LR1/2 WD	102292	GEV14SR1/2 WD	102491	GEV15LR3/4keg.	102527	GEV10LM12x1.5	102340	GEV38SM48x2	102756	GEV04LLM6x1keg.	123897
GEV10LR1/8 WD	102359	GEV14SR3/4 WD	102489	GEV18LR3/8keg.	102600	GEV10LM14x1.5	102339			GEV04LLM8x1keg.	102186
GEV10LR1/4 WD	102368	GEV16SR1/4 WD	102558	GEV18LR1/2keg.	102602	GEV10LM16x1.5	102343	GEV06LM10x1WD	102219	GEV04LLM10x1keg.	123896
GEV10LR3/8 WD	102366	GEV16SR3/8 WD	102565	GEV18LR3/4keg.	102597	GEV10LM18x1.5	102346	GEV06LM12x1,5WD	102214	GEV06LLM6x1keg.	102199
GEV10LR1/2 WD	102356	GEV22LR3/8keg.	102562	GEV22LR3/8keg.	123846	GEV10LM22x1.5	102349	GEV06LM14x1,5WD	102217	GEV06LLM8x1keg.	102201
GEV10LR3/4 WD	102362	GEV16SR1/2 WD	102566	GEV22LR1/2keg.	123847	GEV12LM22x1.5	102349	GEV08LM10x1WD	102280	GEV06LLM10x1keg.	102203
GEV12LR1/8 WD	102430	GEV16SR3/4 WD	102563	GEV22LR3/4keg.	102659	GEV12LM12x1.5	102407	GEV08LM12x1,5WD	102288	GEV08LLM6x1keg.	123895
GEV12LR1/4 WD	102427	GEV16SR1 WD	102561	GEV22LR1keg.	123848	GEV12LM14x1.5	102410	GEV08LM14x1,5WD	102283	GEV08LLM8x1keg.	102269
GEV12LR3/8 WD	102439	GEV20SR3/8 WD	102627	GEV28LR1/2keg.	123849	GEV12LM16x1.5	102406	GEV08LM16x1,5WD	102286	GEV08LLM10x1keg.	102271
GEV12LR1/2 WD	102424	GEV20SR1/2 WD	102622	GEV28LR3/4keg.	123850	GEV12LM18x1.5	102413	GEV10LM12x1,5WD	102342	GEV06LM10x1keg.	102218
GEV12LR3/4 WD	102433	GEV20SR3/4 WD	102630	GEV28LR1keg.	102704	GEV12LM22x1.5	102416	GEV10LM14x1,5WD	102352	GEV06LM12x1,5keg.	102213
GEV15LR1/4 WD	102520	GEV20SR1 WD	102623	GEV28LR1.1/4keg.	123851	GEV15LM16x1.5	102507	GEV10LM16x1,5WD	102345	GEV08LM10x1keg.	102279
GEV15LR3/8 WD	102533	GEV20SR1.1/4 WD	102629	GEV35LR1keg.	123852	GEV15LM18x1.5	102510	GEV10LM18x1,5WD	102348	GEV08LM12x1,5keg.	102287
GEV15LR1/2 WD	102538	GEV25SR1/2 WD	102674	GEV35LR1.1/4keg.	102748	GEV15LM22x1.5	102512	GEV10LM22x1,5WD	102350	GEV08LM14x1,5keg.	102282
GEV15LR3/4 WD	102528	GEV25SR3/4 WD	102678	GEV35LR1.1/2keg.	123853	GEV18LM18x1.5	102581	GEV12LM12x1,5WD	102409	GEV10LM10x1keg.	123898
GEV18LR3/8 WD	102601	GEV25SR1 WD	102682	GEV42LR1.1/4keg.	102778	GEV18LM22x1.5	102577	GEV12LM14x1,5WD	102412	GEV10LM14x1,5keg.	102351
GEV18LR1/2 WD	102604	GEV25SR1.1/4 WD	102680	GEV42LR1.1/2keg.	102780	GEV18LM26x1.5	123834	GEV12LM16x1,5WD	102420	GEV10LM16x1,5keg.	102344
GEV18LR3/4 WD	102598	GEV30SR3/4 WD	102725			GEV22LM22x1.5	102643	GEV12LM18x1,5WD	102415	GEV12LM12x1,5keg.	102408
GEV22LR1/2 WD	102650	GEV30SR1 WD	102721			GEV22LM26x1.5	102640	GEV12LM22x1,5WD	102418	GEV12LM16x1,5keg.	102419
GEV22LR3/4 WD	102661	GEV30SR1.1/4 WD	102726	GEV06SR1/8keg.	123875	GEV28LM33x2	102691	GEV15LM16x1,5WD	102509	GEV12LM14x1,5keg.	102414
GEV22LR1 WD	102651	GEV30SR1.1/2 WD	102723	GEV06SR1/4keg.	123876	GEV35LM42x2	102734	GEV15LM18x1,5WD	102515	GEV15LM18x1,5keg.	102511
GEV28LR1/2 WD	102696	GEV38SR1 WD	102760	GEV06SR3/8keg.	123877	GEV42LM48x2	102770	GEV15LM22x1,5WD	102514	GEV18LM18x1,5keg.	102582
GEV28LR3/4 WD	102701	GEV38SR1.1/4 WD	102763	GEV08SR1/8keg.	123878			GEV18LM18x1,5WD	102583	GEV18LM22x1,5keg.	102584
GEV28LR1 WD	102705	GEV38SR1.1/2 WD	102764	GEV08SR1/4keg.	201827			GEV18LM22x1,5WD	102585	GEV04LL1/8 NPT	102183
GEV28LR1.1/4 WD	102703			GEV08SR3/8keg.	123879	GEV06SM12x1.5	102241	GEV22LM22x1,5WD	102644	GEV06LL1/8 NPT	102196
GEV35LR3/4 WD	102747	GEV04LLR1/8keg.	102188	GEV10SR1/4keg.	102396	GEV06SM14x1.5	102244	GEV22LM26x1,5WD	102646	GEV08LL1/8 NPT	102266
GEV35LR1 WD	102741	GEV06LLR1/8keg.	102207	GEV10SR3/8keg.	102395	GEV08SM12x1.5	102314	GEV28LM33x2WD	102693	GEV06L1/8 NPT	102191
GEV35LR1.1/4 WD	102750	GEV08LLR1/8keg.	102276	GEV10SR1/2keg.	123880	GEV08SM14x1.5	102311	GEV35LM42x2WD	102736	GEV06L1/4 NPT	102190
GEV35LR1.1/2 WD	102745	GEV08LLR1/4keg.	102275	GEV12SR1/4keg.	123881	GEV08SM16x1.5	102316	GEV42LM48x2WD	102772	GEV06L3/8 NPT	102193
GEV42LR1 WD	102775	GEV10LLR1/4keg.	102337	GEV12SR3/8keg.	123882	GEV10SM14x1.5	102379			GEV06L1/2 NPT	102189
GEV42LR1.1/4 WD	102779	GEV10LLR1/8keg.	102234	GEV12SR1/2keg.	123883	GEV10SM16x1.5	102376	GEV06SM12x1,5WD	102246	GEV08L1/8 NPT	102261
GEV42LR1.1/2 WD	102781	GEV06LR1/4keg.	102226	GEV14SR3/8keg.	123884	GEV10SM18x1.5	102381	GEV06SM14x1,5WD	102245	GEV08L1/4 NPT	102260
		GEV06LR3/8keg.	102232	GEV14SR1/2keg.	123885	GEV10SM22x1.5	102383	GEV08SM12x1,5WD	102315	GEV08L3/8 NPT	102263
GEV06SR1/8 WD	102252	GEV06LR1/2keg.	102222	GEV16SR3/8keg.	123886	GEV12SM12x1.5	102451	GEV08SM14x1,5WD	102318	GEV08L1/2 NPT	102259
GEV06SR1/4 WD	102257	GEV08LR1/8keg.	102294	GEV16SR1/2keg.	201027	GEV12SM14x1.5	102453	GEV08SM16x1,5WD	102317	GEV10L1/8 NPT	102331
GEV06SR3/8 WD	102256	GEV08LR3/8keg.	102302	GEV16SR3/4keg.	123887	GEV12SM16x1.5	102455	GEV10SM14x1,5WD	102380	GEV10L3/8 NPT	102333
GEV06SR1/2 WD	102250	GEV08LR1/4keg.	102300	GEV20SR1/2keg.	123888	GEV14SM20x1.5	102478	GEV10SM16x1,5WD	102385	GEV10L1/2 NPT	102329
GEV08SR1/8 WD	102323	GEV08LR3/8keg.	102300	GEV20SR3/4keg.	123889	GEV14SM27x2	102479	GEV12SM14x1,5WD	102454	GEV10L3/4 NPT	102332
GEV08SR1/4 WD	102328	GEV08LR1/2keg.	102291	GEV25SR3/4keg.	123890	GEV16SM12x1.5	102549	GEV12SM16x1,5WD	102456	GEV12L1/8 NPT	102400
GEV08SR3/8 WD	102327	GEV10LR1/8keg.	102358	GEV25SR1keg.	102681						
		GEV10LR1/4keg.	102367	GEV30SR1.1/4keg.	123891						

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Article		Article		Article	
GEV12L1/4 NPT	102399	GEV16S1/2 NPT	102539	GEV30S1.5/8-12UN	102709
GEV12L3/8 NPT	102403	GEV16S3/4 NPT	102545	GEV38S1.5/8-12UN	102751
GEV12L1/2 NPT	102398	GEV16S1 NPT	102543		
GEV12L3/4 NPT	102402	GEV20S3/8 NPT	102611	GM06L	102792
GEV15L1/4 NPT	102496	GEV20S1/2 NPT	102605	GM08L	102793
GEV15L3/8 NPT	102501	GEV20S3/4 NPT	102610	GM10L	102794
GEV15L1/2 NPT	102494	GEV20S1 NPT	102607	GM12L	102796
GEV15L3/4 NPT	102500	GEV20S1.1/4 NPT	102612	GM15L	102800
GEV18L3/8 NPT	102575	GEV25S1/2 NPT	102662	GM18L	102803
GEV18L1/2 NPT	102567	GEV25S3/4 NPT	102667	GM22L	102804
GEV18L3/4 NPT	102574	GEV25S1 NPT	102665	GM28L	102805
GEV18L1 NPT	102572	GEV25S1.1/4 NPT	102668	GM35L	102807
GEV22L3/8 NPT	102637	GEV30S3/4 NPT	102712	GM42L	102808
GEV22L1/2 NPT	102631	GEV30S1 NPT	102710	GM06S	102793
GEV22L3/4 NPT	102636	GEV30S1.1/4 NPT	102713	GM08S	102794
GEV22L1 NPT	102634	GEV30S1.1/2 NPT	102711	GM10S	102796
GEV22L1.1/4 NPT	102638	GEV38S1 NPT	102753	GM12S	102798
GEV28L1/2 NPT	102683	GEV38S1.1/4 NPT	102755	GM14S	102800
GEV28L3/4 NPT	102688	GEV38S1.1/2 NPT	102754	GM16S	102802
GEV28L1 NPT	102686			GM20S	102804
GEV28L1.1/4 NPT	102689	GEV06L7/16-20UNF	102194	GM25S	102805
GEV35L3/4 NPT	102732	GEV08L7/16-20UNF	102664	GM30S	102806
GEV35L1 NPT	102730	GEV10L7/16-20UNF	102334	GM38S	102808
GEV35L1.1/4 NPT	102733	GEV12L9/16-18UNF	102405		
GEV35L1.1/2 NPT	102731	GEV12L3/4-16UNF	102401	GRV0604LL	123605
GEV42L1 NPT	102767	GEV12L7/8-14UNF	102404	GRV0804LL	123606
GEV42L1.1/4 NPT	102769	GEV15L3/4-16UNF	102499	GRV0806LL	123607
GEV42L1.1/2 NPT	102768	GEV15L7/8-14UNF	102502	GRV0806L	102822
		GEV18L3/4-16UNF	102573	GRV1006L	102824
GEV06S1/8 NPT	102238	GEV18L7/8-14UNF	102576	GRV1008L	102827
GEV06S1/4 NPT	102237	GEV22L7/8-14UNF	102639	GRV1206L	102829
GEV06S3/8 NPT	102240	GEV22L1.1/16-12UN	102632	GRV1208L	102831
GEV06S1/2 NPT	102236	GEV22L1.5/16-12UN	102633	GRV1210L	102833
GEV08S1/8 NPT	102307	GEV28L1.1/16-12UN	102684	GRV1510L	102841
GEV08S1/4 NPT	102306	GEV35L1.5/16-12UN	102728	GRV1512L	102842
GEV08S3/8 NPT	102309	GEV35L1.5/8-12UN	102729	GRV1810L	102850
GEV08S1/2 NPT	102305	GEV42L1.5/8-12UN	102765	GRV1812L	102851
GEV10S1/8 NPT	102371			GRV1815L	102852
GEV10S1/4 NPT	102370	GEV08S7/16-20UNF	102310	GRV2212L	102862
GEV10S3/8 NPT	102374	GEV10S9/16-18UNF	102375	GRV2215L	102863
GEV10S1/2 NPT	102369	GEV12S9/16-18UNF	102449	GRV2218L	102864
GEV10S3/4 NPT	102373	GEV12S3/4-16UNF	102445	GRV2818L	102878
GEV12S1/4 NPT	102443	GEV16S3/4-16UNF	102544	GRV2822L	102879
GEV12S3/8 NPT	102447	GEV16S7/8-14UNF	102547	GRV3522L	102895
GEV12S1/2 NPT	102441	GEV20S3/4-16UNF	102609	GRV3528L	102896
GEV12S3/4 NPT	102446	GEV20S7/8-14UNF	102613	GRV4235L	102914
GEV14S3/8 NPT	102476	GEV20S1.1/16-12UN	102606		
GEV14S1/2 NPT	102471	GEV25S1.1/16-12UN	102663	GRV0806S	102823
GEV14S3/4 NPT	102475	GEV25S1.5/16-12UN	102664	GRV1006S	102826
GEV16S3/8 NPT	102546	GEV30S1.5/16-12UN	102708	GRV1008S	102828

Made in Germany

Article		Article		Article	
GRV1206S	102830	GV28L	102972	KD-V-M 12	207152
GRV1208S	102832	GV35L	102974	KD-V-M 14	207153
GRV1210S	102834	GV42L	102976	KD-V-M 16	207154
GRV1410S	102837			KD-V-M 18	207155
GRV1412S	102838	GV06S	102950	KD-V-M 20	207156
GRV1610S	102845	GV08S	102954	KD-V-M 22	207157
GRV1612S	102846	GV10S	102957	KD-V-M 24	207158
GRV1614S	102847	GV12S	102959	KD-V-M 26	207159
GRV2010S	102855	GV14S	102963	KD-V-M 30	207160
GRV2012S	102856	GV16S	102965	KD-V-M 36	207161
GRV2016S	102858	GV20S	102968	KD-V-M 42	207162
GRV2516S	102870	GV25S	102971	KD-V-M 52	207163
GRV2520S	102871	GV30S	102973		
GRV3020S	102887	GV38S	102975	KORV08/06L	103056
GRV3025S	102888			KORV10/06L	103058
GRV3830S	102905	KD-PTFE-1/8	126711	KORV10/08L	103060
		KD-PTFE-1/4	126712	KORV12/06L	103062
GSV06L	102920	KD-PTFE-3/8	126713	KORV12/08L	103064
GSV08L	102923	KD-PTFE-1/2	126714	KORV12/10L	103066
GSV10L	102926	KD-PTFE-3/4	126715	KORV15/06L	103072
GSV12L	102928	KD-PTFE-1	126716	KORV15/08L	103073
GSV15L	102932	KD-PTFE-1.1/4	126717	KORV15/10L	103074
GSV18L	102935	KD-PTFE-1.1/2	126718	KORV15/12L	103075
GSV22L	102938			KORV18/06L	103082
GSV28L	102941	KD-PTFE-M 10	207957	KORV18/08L	103083
GSV35L	102943	KD-PTFE-M 12	207958	KORV18/10L	103084
GSV42L	102945	KD-PTFE-M 14	207959	KORV18/12L	103085
GSV06S	102922	KD-PTFE-M 16	207960	KORV18/15L	103086
GSV08S	102924	KD-PTFE-M 18	207961	KORV22/06L	103094
GSV10S	102927	KD-PTFE-M 20	207962	KORV22/08L	103095
GSV12S	102929	KD-PTFE-M 22	207963	KORV22/10L	103096
GSV14S	102931	KD-PTFE-M 26	207964	KORV22/12L	103097
GSV16S	102934	KD-PTFE-M 27	207965	KORV22/15L	103098
GSV20S	102937	KD-PTFE-M 33	207966	KORV22/18L	103099
GSV25S	102940	KD-PTFE-M 42	207967	KORV28/06L	103108
GSV30S	102942	KD-PTFE-M 48	207968	KORV28/08L	103109
GSV38S	102944			KORV28/10L	103110
		KD-V-1/8	207167	KORV28/12L	103111
GV04LL	102947	KD-V-1/4	101138	KORV28/15L	103112
GV06LL	102949	KD-V-3/8	101139	KORV28/18L	103113
GV08LL	102953	KD-V-1/2	203358	KORV28/22L	103114
GV10LL	102956	KD-V-5/8	207168	KORV35/06L	103123
GV12LL	203390	KD-V-3/4	203359	KORV35/08L	103124
GV06L	102948	KD-V-1	101121	KORV35/10L	103125
GV08L	102952	KD-V-1.1/4	203360	KORV35/12L	103126
GV10L	102955	KD-V-1.1/2	203361	KORV35/15L	103127
GV12L	102958	KD-V-2	206993	KORV35/18L	103128
GV15L	102964			KORV35/22L	103129
GV18L	102966	KD-V-M 8	207150	KORV35/28L	103130
GV22L	102969	KD-V-M 10	207151	KORV42/10L	103142

Made in Germany



Article	Article
KORV42/12L	103143
KORV42/15L	103144
KORV42/18L	103145
KORV42/22L	103146
KORV42/28L	103147
KORV42/35L	103148
KORV08/06S	103057
KORV10/06S	103059
KORV10/08S	103061
KORV12/06S	103063
KORV12/08S	103065
KORV12/10S	103067
KORV14/06S	103068
KORV14/08S	103069
KORV14/10S	103070
KORV14/12S	103071
KORV16/06S	103077
KORV16/08S	103078
KORV16/10S	103079
KORV16/12S	103080
KORV16/14S	103081
KORV20/06S	103087
KORV20/08S	103088
KORV20/10S	103089
KORV20/12S	103090
KORV20/14S	103092
KORV20/16S	103093
KORV25/06S	103100
KORV25/08S	103101
KORV25/10S	103102
KORV25/12S	103103
KORV25/14S	103105
KORV25/16S	103106
KORV25/20S	103107
KORV30/06S	103115
KORV30/08S	103116
KORV30/10S	103117
KORV30/12S	103118
KORV30/14S	103119
KORV30/16S	103120
KORV30/20S	103121
KORV30/25S	103122
KORV38/06S	103131
KORV38/08S	103132
KORV38/10S	103133
KORV38/12S	103134
KORV38/14S	103135
KORV38/16S	103136
KORV38/20S	103137
KORV38/25S	103138
KORV38/30S	103139
KV04LL	103149
KV06LL	103151
KV08LL	103154
KV06L	103150
KV08L	103153
KV10L	103156
KV12L	103158
KV15L	103161
KV18L	103163
KV22L	103165
KV28L	103167
KV35L	103169
KV42L	103171
KV06S	103152
KV08S	103155
KV10S	103157
KV12S	103159
KV14S	103160
KV16S	103162
KV20S	103164
KV25S	103166
KV30S	103168
KV38S	103170
LEV04LLR1/8 keg.	103174
LEV06LLR1/8 keg.	103178
LEV08LLR1/8 keg.	103188
LEV06LR1/8 keg.	103180
LEV08LR1/4 keg.	103190
LEV10LR1/4 keg.	103196
LEV12LR3/8 keg.	103203
LEV15LR1/2 keg.	103216
LEV18LR1/2 keg.	103222
LEV06SR1/4 keg.	103184
LEV08SR1/4 keg.	103193
LEV10SR3/8 keg.	103199
LEV12SR3/8 keg.	103210
LEV14SR1/2 keg.	103213
LEV16SR1/2 keg.	103219
LEV04LL1/8 NPT	103712
LEV06LL1/8 NPT	103716
LEV08LL1/8 NPT	103186
LEV06L1/8 NPT	103175
LEV08L1/4 NPT	103185

Made in Germany



Article	Article	Article			
PDR42L	103449	REDV22/10L	103642	REDV25/06S	103646
PDR06S	103426	REDV22/12L	103643	REDV25/08S	103647
PDR08S	103428	REDV22/15L	103644	REDV25/10S	103648
PDR10S	103431	REDV22/18L	103645	REDV25/12S	103649
PDR12S	103432	REDV28/06L	103653	REDV25/14S	103650
PDR14S	103435	REDV28/08L	103654	REDV25/16S	103651
PDR16S	103438	REDV28/10L	103655	REDV25/20S	103652
PDR20S	103440	REDV28/12L	103656	REDV30/06S	103660
PDR25S	103442	REDV28/15L	103657	REDV30/08S	103661
PDR30S	103445	REDV28/18L	103658	REDV30/10S	103662
PDR38S	103448	REDV28/22L	103659	REDV30/12S	103663
PDRE06L	203779	REDV35/06L	103668	REDV30/14S	103664
PDRE08L	203778	REDV35/08L	103669	REDV30/16S	103665
PDRE10L	203106	REDV35/10L	103670	REDV30/20S	103666
PDRE12L	203107	REDV35/12L	103671	REDV30/25S	103667
PDRE15L	203776	REDV35/15L	103672	REDV38/06S	103676
PDRE18L	202686	REDV35/18L	103673	REDV38/08S	103677
PDRE22L	202687	REDV35/22L	103674	REDV38/10S	103678
PDRE28L	202714	REDV35/28L	103675	REDV38/12S	103679
PDRE35L	202715	REDV42/06L	103685	REDV38/14S	103680
PDRE42L	202716	REDV42/08L	103686	REDV38/16S	103681
PDRE06S	203779	REDV42/10L	103687	REDV38/20S	103682
PDRE08S	203778	REDV42/12L	103688	REDV38/25S	103683
PDRE10S	203106	REDV42/15L	103689	REDV38/30S	103684
PDRE12S	203107	REDV42/18L	103690	SDR04LL	104318
PDRE14S	203777	REDV42/22L	103691	SDR06LL	104322
PDRE16S	203775	REDV42/28L	103692	SDR08LL	104325
PDRE20S	203182	REDV42/35L	103693	SDR10LL	104328
PDRE25S	203183	REDV08/06S	103605	SDR12LL	124892
PDRE30S	203773	REDV10/06S	103607	SKA06L/Sx1.5	104366
PDRE38S	206804	REDV10/08S	103609	SKA08L/Sx1.5	104367
REDV08/06L	103604	REDV12/06S	103611	SKA08L/Sx2	104368
REDV10/06L	103606	REDV12/08S	103613	SKA10L/Sx1.5	104370
REDV10/08L	103608	REDV14/06S	103616	SKA10L/Sx2	104371
REDV12/06L	103610	REDV14/08S	103617	SKA12L/Sx1.5	104373
REDV12/08L	103612	REDV14/10S	103618	SKA12L/Sx2	104374
REDV12/10L	103614	REDV14/12S	103619	SKA12L/Sx2.5	104375
REDV15/06L	103620	REDV16/06S	103624	SKA15Lx2	104378
REDV15/08L	103621	REDV16/08S	103625	SKA15Lx2.5	104379
REDV15/10L	103622	REDV16/10S	103626	SKA18Lx2.5	104386
REDV15/12L	103623	REDV16/12S	103627	SKA22Lx2.5	104393
REDV18/06L	103629	REDV16/14S	103628	SKA28Lx2.5	104400
REDV18/08L	103630	REDV20/06S	103634	SKA28Lx3	104401
REDV18/10L	103631	REDV20/08S	103635	SKA35Lx3.5	104408
REDV18/12L	103632	REDV20/10S	103636	SKA35Lx4	104409
REDV18/15L	103633	REDV20/12S	103637	SKA42Lx3	104417
REDV22/06L	103640	REDV20/14S	103638	SKA42Lx4	104418
REDV22/08L	103641	REDV20/16S	103639		

Made in Germany



Article	Article
SKA145x2	104376
SKA145x3	104377
SKA165x2	104382
SKA165x2.5	104383
SKA165x3	104384
SKA205x2	104387
SKA205x2.5	104388
SKA205x3	104389
SKA205x3.5	104390
SKA205x4	104391
SKA255x3	104395
SKA255x4	104397
SKA255x5	104398
SKA305x3	104404
SKA305x4	104405
SKA305x5	104406
SKA305x6	104407
SKA385x4	104412
SKA385x5	104413
SKA385x6	104414
SKA385x7	104415
SKR08-06x1.5	204315
SKR10-06x1.5	204317
SKR10-08x1.5	204319
SKR10-08x2	204321
SKR12-08x1.5	204323
SKR12-08x2	204325
SKR12-10x1.5	204327
SKR16-10x2	204329
SKR16-12x1.5	204331
SKR16-12x2	125138
SKR16-12x2.5	125139
SKR20-12x1.5	204333
SKR20-12x2	204335
SKR20-12x2.5	204337
SKR20-12x3	204340
SKR20-16x2	125141
SKR20-16x2.5	204342
SKR20-16x3	204343
SKR25-12x1.5	204345
SKR25-12x2	204347
SKR25-12x2.5	204349
SKR25-12x3	204351
SKR25-16x2	201824
SKR25-16x2.5	204353
SKR25-16x3	204354
SKR25-20x2	204356
SKR25-20x2.5	125144
SKR25-20x3	204358

Made in Germany



Article	Article	Article			
TRV18/12/22L	123655	TRV10L	105084	VEE22LR3/4	212598
TRV18/15/18L	104876	TV12L	105087	VEE28LR1	212599
TRV18/18/10L	104879	TV15L	105092	VEE35LR1.1/4	212600
TRV18/22/18L	104882	TV18L	105095	VEE06SR1/4	212602
TRV22/10/22L	104911	TV22L	105097	VEE08SR1/4	212603
TRV22/15/22L	104915	TV28L	105099	VEE10SR3/8	212604
TRV22/18/22L	104917	TV35L	105101	VEE12SR3/8	212605
TRV22/22/10L	104920	TV42L	105103	VEE14SR1/2	212606
				VEE16SR1/2	212607
TRV22/22/12L	104921	TV06S	105079	VEE20SR3/4	212608
TRV22/22/18L	104923	TV08S	105083	VEE06LM10X1	212612
TRV28/10/28L	104954	TV10S	105086	VEE08LM12X1.5	212614
TRV28/12/28L	104956	TV12S	105089	VEE10LM14X1.5	212613
TRV28/15/28L	123657	TV14S	105091	VEE12LM16X1.5	212615
TRV28/18/28L	104960	TV16S	105094	VEE15LM18X1.5	212616
TRV28/22/22L	104961	TV20S	105096	VEE18LM22X1.5	212617
TRV28/28/18L	104968	TV25S	105098	VEE22LM27X2	212618
TRV28/28/22L	104969	TV30S	105100	VEE28LM33X2	212619
TRV35/10/35L	105002	TV38S	105102	VEE35LM42X2	212620
TRV35/12/35L	105004	UM04LL	105107	VEE42LM48X2	212621
TRV35/18/35L	105008	UM06LL	105108	VEE065M12X1.5	212622
TRV35/28/35L	105012	UM08LL	105114	VEE085M14X1.5	212623
TRV42/12/42L	105056	UM10LL	105122	VEE105M16X1.5	212624
TRV42/28/42L	105064	UM12LL	105127	VEE125M18X1.5	212625
		UM16L	105109	VEE145M22X1.5	212626
TRV12/06/12S	104789	UM08L	105115	VEE165M22X1.5	212627
TRV12/08/08S	104791	UM10L	105123	VEE205M27X2	212628
TRV12/10/12S	104796	UM12L	105129	VEE255M33X2	212629
TRV12/16/12S	104804	UM15L	105141	VEE305M42X2	212630
TRV14/10/14S	104819	UM18L	105145	VEE06L7/16UNF	212633
TRV16/08/16S	104851	UM22L	105149	VEE08L7/16UNF	212634
TRV16/20/16S	104863	UM28L	105154	VEE10L9/16UNF	212635
TRV20/10/20S	104891	UM35L	105160	VEE12L9/16UNF	212636
TRV20/12/20S	104893	UM42L	105165	VEE12L3/4UNF	212637
TRV20/14/20S	104895	UM06S	105111	VEE15L3/4UNF	212638
TRV20/25/20S	104903	UM08S	105120	VEE15L7/8UNF	212639
TRV25/16/25S	104937	UM10S	105126	VEE18L7/8UNF	212640
TRV30/16/30S	104983	UM12S	105132	VEE18L1.1/16UN	212641
TRV30/20/30S	104985	UM14S	105139	VEE22L1.1/16UN	212642
TRV38/16/38S	105033	UM16S	105144	VEE28L1.5/16UN	212643
TRV38/25/38S	105037	UM20S	105148	VEE35L1.5/8UN	212644
		UM25S	105152	VEE42L1.7/8UN	212645
TV04LL	105076	UM30S	105158	VEE065/16UNF	212646
TV06LL	105078	UM38S	105163	VEE085/16UNF	212647
TV08LL	105082	VEE06LR1/8	212592	VEE105/16UNF	212648
TV10LL	105085	VEE08LR1/4	212593		
TV12LL	203802	VEE12LR3/8	212595		
TV06L	105077	VEE18LR1/2	212597		
TV08L	105081				

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Article	Article
VEE12S3/4UNF	212649
VEE14S3/4UNF	212650
VEE16S7/8UNF	212651
VEE20S1.1/16UN	212652
VEE25S1.1/16UN	212653
VEE30S1.5/8UN	212654
VEE38S1.7/8UN	212655
VM-S04LL	105203
VM-S06LL	105205
VM-S08LL	105208
VM-S10LL	105211
VM-S12LL	122490
VM-S06L	105204
VM-S08L	105207
VM-S10L	105210
VM-S12L	105213
VM-S15L	105216
VM-S18L	105218
VM-S22L	105220
VM-S28L	105222
VM-S35L	105224
VM-S42L	105226
VM-S06S	105206
VM-S08S	105209
VM-S10S	105212
VM-S12S	105214
VM-S14S	105215
VM-S16S	105217
VM-S20S	105219
VM-S25S	105221
VM-S30S	105223
VM-S38S	105225
VS-H04	105431
VS-H04,5	105432
VS-H05	105433
VS-H06	105434
VS-H06,5	105458
VS-H07	105435
VS-H08	105436
VS-H09	105437
VS-H10	105438
VS-H10,5	207995
VS-H11	207996
VS-H12	105439
VS-H13	105440
VS-H14	105441
VS-H15	105442
VS-H16	105443
VS-H17	105444
VS-H18	105445
VS-H19	105446
VS-H20	105447
VS-H21	207997
VS-H22	105448
VS-H23	105449
VS-H24	105450
VS-H25	105451
VS-H26	105452
VS-H27	207998
VS-H30	105453
VS-H31	105454
VS-H32	105455
VS-H33	150456
VS-H34	207999
VS-H38	105457
VS-H39	208000
VSTO 06 L	204436
VSTO 08 L	204437
VSTO 10 L204438	
VSTO 12 L	204439
VSTO 15 L	204440
VSTO 18 L	204441
VSTO 22 L	204443
VSTO 28 L204444	
VSTO 35 L204445	
VSTO 42 L	204446
VSTO 06 S	204450
VSTO 08 S	206571
VSTO 10 S206573	
VSTO 12 S206574	
VSTO 14 S206575	
VSTO 16 S206576	
VSTO 20 S206577	
VSTO 25 S206578	
VSTO 30 S	206579
VSTO 38 S	206580
WASV06L	105499
WASV08L	105501
WASV10L	105503
WASV12L	105505
WASV15L	105508
WASV18L	105510
WASV22L	105512
WASV28L	105514
WASV35L	105516
WASV42L	105518

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Article	Article	Article			
WEE30SM42X2	212179	WEE10SR3/8 keg.	105613	WV10L	105913
WEE38SM48X2	212180	WEE10SR1/2 keg.	105610	WV12L	105916
WEE06L7/16UNF	212181	WEE12SR3/8 keg.	105633	WV15L	105920
WEE08L7/16UNF	212182	WEE12SR1/2 keg.	105631	WV18L	105922
WEE10L9/16UNF	212183	WEE14SR1/2 keg.	105640	WV22L	105924
WEE12L9/16UNF	212184	WEE16SR1/2 keg.	105658	WV28L	105926
WEE12L3/4UNF	212185	WEV04LL1/8 NPT	105538	WV35L	105928
WEE15L3/4UNF	212186	WEV06LL1/8 NPT	105545	WV42L	105930
WEE15L7/8UNF	212187	WEV08LL1/8 NPT	105573	WV06S	105909
WEE18L7/8UNF	212188	WEV06L1/8 NPT	105543	WV08S	105912
WEE18L1.1/16UN	212189	WEV06L1/4 NPT	105542	WV10S	105915
WEE22L1.1/16UN	212190	WEV06L3/8 NPT	105544	WV12S	105917
WEE28L1.5/16UN	212191	WEV08L1/8 NPT	105571	WV14S	105919
WEE35L1.5/8UN	212192	WEV08L1/4 NPT	105570	WV16S	105921
WEE42L1.7/8UN	212193	WEV10L1/4 NPT	105595	WV20S	105923
WEE06S7/16UNF	212194	WEV10L3/8 NPT	105597	WV25S	105925
WEE08S9/16UNF	212195	WEV12L1/4 NPT	105615	WV30S	105927
WEE10S9/16UNF	212196	WEV12L3/8 NPT	105617	WV38S	105929
WEE12S3/4UNF	212197	WEV12L1/2 NPT	105614	WSV06L	105884
WEE16S7/8UNF	212199	WEV15L1/2 NPT	105641	WSV08L	105886
WEE20S1.1/16UN	212200	WEV18L1/2 NPT	105659	WSV10L	105888
WEE25S1.1/16UN	212201	WEV22L3/4 NPT	105682	WSV12L	105890
WEE30S1.5/8UN	212202	WEV28L1 NPT	105700	WSV15L	105893
WEE38S1.7/8UN	212203	WEV35L1.1/4 NPT	105720	WSV18L	105896
WEV04LLR1/8 keg.	105541	WEV42L1.1/2 NPT	105735	WSV22L	105898
WEV06LLR1/8 keg.	105550	WEV06S1/4 NPT	105561	WSV28L	105900
WEV08LLR1/8 keg.	105576	WEV08S1/4 NPT	105585	WSV35L	105902
WEV10LLR1/4 keg.	105598	WEV08S3/8 NPT	105587	WSV42L	105904
WEV12LLR1/4 keg.	123920	WEV08S1/2 NPT	105584	WSV06S	105885
WEV06LR1/8 keg.	105558	WEV10S1/4 NPT	105607	WSV08S	105887
WEV06LR1/4 keg.	105556	WEV10S3/8 NPT	105608	WSV10S	105889
WEV08LR1/8 keg.	105581	WEV12S1/4 NPT	105628	WSV12S	105891
WEV08LR1/4 keg.	105583	WEV12S3/8 NPT	105629	WSV15L	105892
WEV08LR3/8 keg.	105582	WEV12S1/2 NPT	105626	WSV14S	105892
WEV10LR1/4 keg.	105605	WEV14S1/2 NPT	105634	WSV16S	105895
WEV10LR3/8 keg.	105604	WEV16S1/2 NPT	105652	WSV20S	105897
WEV12LR1/4 keg.	105622	WEV20S3/4 NPT	105672	WSV25S	105899
WEV12LR3/8 keg.	105624	WEV25S1 NPT	105692	WSV30S	105901
WEV12LR1/2 keg.	105621	WEV30S1.1/4 NPT	105712	WSV38S	105903
WEV15LR1/2 keg.	105651	WEV38S1.1/2 NPT	105727	WV04LL	105905
WEV18LR1/2 keg.	105669	WV06LL	105908	WV06LL	105911
WEV06SR1/4 keg.	105568	WV08LL	105914	WV10LL	123644
WEV06SR3/8 keg.	105567	WV12LL	123644	WV12LL	105907
WEV08SR1/4 keg.	105592	WV22LL	105907	WV28LL	105910
WEV08SR3/8 keg.	105591	WV35LL	105907	WV42LL	105910
WEV10SR1/4 keg.	105611	WV42LL	105907		

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