



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

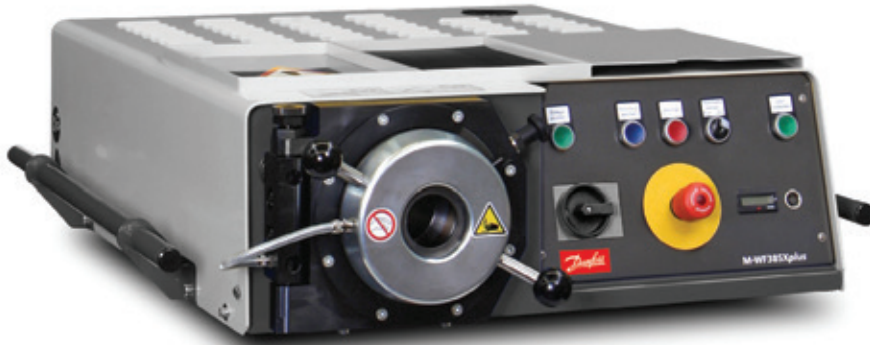
Compressed Air
& Ring Main

Process &
Instrumentation

Hydraulics

Hydraulic Compression Fittings

Walform[®] Machine Hire



Most popular
cold forming
tube fitting
system in
the world!

Hassle free hire includes:

- **Walform machine**
- **Tooling**
- **Shipping and Collection**

Hire available now with an order for Danfoss Waltech compression fittings, tube and clamps

Contact your Account Manager to discuss your requirements

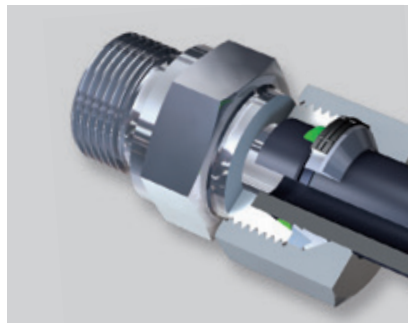
Danfoss's Waltech Trilogy

- Simple final in service assembly with prefabricated tube ends
- Best in class performance
- Maximum system stability and safety
- Superior quality
- Global availability

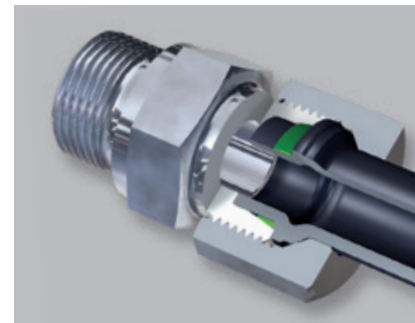
WALPRO[®]



WALRING[®]



WALFORM[™]



COMPONENT PARTS



Threaded Plugs

Captive nitrile seal.



BSPP

0350	Thread
VSR1/8WD	1/8"
VSR1/4WD	1/4"
VSR3/8WD	3/8"
VSR1/2WD	1/2"
VSR3/4WD	3/4"
VSR1WD	1"
VSR11/4WD	1.1/4"
VSR11/2WD	1.1/2"

Tech Sheet 1656

Captive nitrile seal



Metric

0350	Thread
VSM8X1.0WD	M8 x 1.0
VSM12X1.5WD	M12 x 1.5
VSM14X1.5WD	M14 x 1.5
VSM16X1.5WD	M16 x 1.5
VSM18X1.5WD	M18 x 1.5
VSM20X1.5WD	M20 x 1.5
VSM22X1.5WD	M22 x 1.5
VSM26X1.5WD	M26 x 1.5
VSM27X2WD	M27 x 2
VSM33X2WD	M33 x 2
VSM42X2WD	M42 x 2
VSM48X2WD	M48 x 2

Tech Sheet 1656

Blanking Plugs



Extra Light-duty

0350	To Suit Tube OD mm
VSD4LLMMB	4
VSD6LLMMD	6
VSD8LLMMD	8

Tech Sheet 1657

Light-duty

0350	To Suit Tube OD mm
VSD6L/SMMB	6
VSD8L/SMMB	8
VSD10L/SMMB	10
VSD12L/SMMB	12
VSD15LMMB	15
VSD18LMMB	18
VSD22LMMB	22
VSD28LMMB	28
VSD35LMMB	35
VSD42LMMB	42

Tech Sheet 1657

Heavy-duty

0350	To Suit Tube OD mm
VSD14SMMB	14
VSD16SMMB	16
VSD20SMMB	20
VSD25SMMB	25
VSD30SMMB	30
VSD38SMMB	38

Tech Sheet 1657

Blanking Ends

Suitable for swivel end connectors.



Light-duty

0350	OD mm	Max Pressure Bar
VSK6L	6	500
VSK8L	8	500
VSK10L	10	500
VSK12L	12	400
VSK15L	15	400
VSK18L	18	400
VSK22L	22	250
VSK28L	28	250
VSK35L	35	250
VSK42L	42	250

Tech Sheet 1658

Heavy-duty

0350	OD mm	Max Pressure Bar
VSK6S	6	800
VSK8S	8	800
VSK10S	10	800
VSK12S	12	630
VSK14S	14	630
VSK16S	16	630
VSK20S	20	420
VSK25S	25	420
VSK30S	30	420
VSK38S	38	420

Tech Sheet 1658



For Hose & Pipe Cleaning Kits
see page 49

COMPONENT PARTS



Walring Nuts c/w Profile Ring & O-Ring



Metric, Light-duty Viton

0350	Thread	OD mm	Max Pressure Bar
WR6LVIA2M	M12 x 1.5	6	500
WR8LVIA2M	M14 x 1.5	8	500
WR10LVIA2M	M16 x 1.5	10	500
WR12LVIA2M	M18 x 1.5	12	400
WR15LVIA2M	M22 x 1.5	15	400
WR18LVIA2M	M26 x 1.5	18	400
WR22LVIA2M	M30 x 2	22	250
WR28LVIA2M	M36 x 2	28	250
WR35LVIA2M	M45 x 2	35	250
WR42LVIA2M	M52 x 2	42	250

Tech Sheet 1660

Metric, Heavy-duty Viton

0350	Thread	OD mm	Max Pressure Bar
WR6SVIA2M	M14 x 1.5	6	800
WR8SVIA2M	M16 x 1.5	8	800
WR12SVIA2M	M20 x 1.5	12	630
WR16SVIA2M	M24 x 1.5	16	630
WR20SVIA2M	M30 x 2	20	420
WR25SVIA2M	M36 x 2	25	420
WR30SVIA2M	M42 x 2	30	420
WR38SVIA2M	M52 x 2	38	420

Tech Sheet 1660

Metric, Light-duty Nitrile

0350	Thread	OD mm	Max Pressure Bar
WR6LA2M	M12 x 1.5	6	500
WR8LA2M	M14 x 1.5	8	500
WR10LA2M	M16 x 1.5	10	500
WR12LA2M	M18 x 1.5	12	400
WR15LA2M	M22 x 1.5	15	400
WR18LA2M	M26 x 1.5	18	400
WR22LA2M	M30 x 2	22	250
WR28LA2M	M36 x 2	28	250
WR35LA2M	M45 x 2	35	250
WR42LA2M	M52 x 2	42	250

Tech Sheet 1660

Metric, Heavy-duty Nitrile

0350	Thread	OD mm	Max Pressure Bar
WR6SA2M	M14 x 1.5	6	800
WR10SA2M	M18 x 1.5	10	800
WR12SA2M	M20 x 1.5	12	630
WR16SA2M	M24 x 1.5	16	630
WR20SA2M	M30 x 2	20	420
WR25SA2M	M36 x 2	25	420
WR38SA2M	M52 x 2	38	420

Tech Sheet 1660

DIN 2353 Walform Nuts



Light-duty

0350	Thread	OD mm	Max Pressure Bar
M-6L	M12 x 1.5	6	500
M-8L	M14 x 1.5	8	500
M-10L	M16 x 1.5	10	500
M-12L	M18 x 1.5	12	400
M-15L	M22 x 1.5	15	400
M-18L	M26 x 1.5	18	400
M-22L	M30 x 2	22	250
M-28L	M36 x 2	28	250
M-35L	M45 x 2	35	250
M-42L	M52 x 2	42	250

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
M6S	M14 x 1.5	6	800
M8S	M16 x 1.5	8	800
M10S	M18 x 1.5	10	800
M12S	M20 x 1.5	12	630
M14S	M22 x 1.5	14	630
M16S	M24 x 1.5	16	420
M20S	M30 x 2	20	420
M25S	M36 x 2	25	420
M30S	M42 x 2	30	420
M38S	M52 x 2	38	420

Walpro Nut & Profile Ring



Extra Light-duty

0350	OD mm	Max Pressure Bar
SR-M 4 LL	4	100
SR-M 6 LL	6	100
SR-M 8 LL	8	100

Light-duty

0350	OD mm	Max Pressure Bar
PR-M 6 L	6	500
PR-M 8 L	8	500
PR-M 10 L	10	500
PR-M 12 L	12	400
PR-M 15 L	15	400
PR-M 18 L	18	400
PR-M 22 L	22	250
PR-M 28 L	28	250
PR-M 35 L	35	250
PR-M 42 L	42	250

Heavy-duty

0350	OD mm	Max Pressure Bar
PR-M 6 S	6	800
PR-M 8 S	8	800
PR-M 10 S	10	800
PR-M 12 S	12	630
PR-M 14 S	14	630
PR-M 16 S	16	420
PR-M 20 S	20	420
PR-M 25 S	25	420
PR-M 30 S	30	420
PR-M 38 S	38	420



You might also need
CETOP 3 Manifold
see page 208

COMPONENT PARTS

Walform Plus Viton Captive Seal



Light-duty

0350	To Suit Nut
WF-WD18LVI	18L
WF-WD22LVI	22L
WF-WD28LVI	28L
WF-WD35LVI	35L
WF-WD42LVI	42L
Tech Sheet 1660	

Heavy-duty

0350	To Suit Nut
WF-WD16SVI	16S
WF-WD20SVI	20S
WF-WD25SVI	25S
WF-WD30SVI	30S
WF-WD38SVI	38S
Tech Sheet 1660	

Walform Plus Nitrile Captive Seal



Light/Heavy-duty

0350	To Suit Nut
WF-WD6L/S	6L/S
WF-WD8L/S	8L/S
WF-WD10L/S	10L/S
WF-WD12L/S	12L/S
WF-WD15L	15L
WF-WD16S	16S
WF-WD18L	18L
WF-WD20S	20S
WF-WD22L	22L
WF-WD25S	25S
WF-WD28L	28L
WF-WD30S	30S
WF-WD35L	35L
WF-WD38S	38S
WF-WD42L	42L
Tech Sheet 1660	

Walform Nut & Seal



Light-duty, Viton

0350	OD mm
WF-M 6 L VI	6
WF-M 8 L VI	8
WF-M 10 L VI	10
WF-M 12 L VI	12
WF-M 15 L VI	15
WF-M 18 L VI	18
WF-M 22 L VI	22
WF-M 28 L VI	28
WF-M 35 L VI	35
WF-M 42 L VI	42

Heavy-duty, Viton

0350	OD mm
WF-M 6 S VI	6
WF-M 8 S VI	8
WF-M 10 S VI	10
WF-M 12 S VI	12
WF-M 16 S VI	16
WF-M 20 S VI	20
WF-M 25 S VI	25
WF-M 30 S VI	30
WF-M 38 S VI	38

Light-duty, Nitrile

0350	OD mm
WF-M 6 L NBR	6
WF-M 8 L NBR	8
WF-M 10 L NBR	10
WF-M 12 L NBR	12
WF-M 15 L NBR	15
WF-M 18 L NBR	18
WF-M 22 L NBR	22
WF-M 28 L NBR	28
WF-M 35 L NBR	35
WF-M 42 L NBR	42

Heavy-duty, Nitrile

0350	OD mm
WF-M 6 S NBR	6
WF-M 8 S NBR	8
WF-M 10 S NBR	10
WF-M 12 S NBR	12
WF-M 16 S NBR	16
WF-M 20 S NBR	20
WF-M 25 S NBR	25
WF-M 30 S NBR	30
WF-M 38 S NBR	38

Walform Machine Hire



Hire available with an order for Danfoss Waltech compression fittings, tube and clamp

Hassle free hire includes:

- **Walform machine**
- **Tooling**
- **Shipping and Collection**

Hire available now with order for Danfoss Waltech compression fittings

MALE STUD COUPLINGS



CUTTING RING COUPLINGS DIN 2353/ISO 8434-1

Waltech Hydraulic BITE TYPE Fittings

Waltech offer a complete product range and highest quality:

Based on this principle Waltech offers one of the most comprehensive product ranges for tube coupling systems.

The Waltech programme includes cutting ring, soft seal, flared coupling and flange couplings, plus a wide range of accessories

The Waltech range of hydraulic compression fittings cover sizes from 6mm od to 42mm od in light-duty and from 6mm od to 38mm od in heavy-duty.

Manufactured to DIN 2353 standard, mild steel with C6F free surface coating, each compression fitting is supplied complete with cutting ring and nut

Pressure Range Guide: **Heavy-duty**

Light-duty 6mm OD-16mm OD = 630 bar
6mm OD-18mm OD = 400 bar 20mm OD-25mm OD = 400 bar
22mm OD-42mm OD = 250 bar 30mm OD-38mm = 250 bar

These pressures are for guide purposes only and please consult our technical department for specific applications

BSPP 60° Cone



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6LRFOA	1/8"	6	400
GEV8LR1/8FOA	1/8"	8	400
GEV6LR1/4FOA	1/4"	6	400
GEV8LRFOA	1/4"	8	400
GEV10LRFOA	1/4"	10	400
GEV12LR1/4FOA	1/4"	12	400
GEV6LR3/8FOA	3/8"	6	400
GEV8LR3/8FOA	3/8"	8	400
GEV10LR3/8FOA	3/8"	10	400
GEV12LRFOA	3/8"	12	400
GEV15LR3/8FOA	3/8"	15	400
GEV10LR1/2FOA	1/2"	10	400
GEV12LR1/2FOA	1/2"	12	400
GEV15LRFOA	1/2"	15	400
GEV18LRFOA	1/2"	18	400
GEV22LR1/2FOA	1/2"	22	250
GEV18LR3/4FOA	3/4"	18	400
GEV22LRFOA	3/4"	22	250
GEV28LR3/4FOA	3/4"	28	250
GEV28LRFOA	1"	28	250
GEV35LRFOA	1.1/4"	35	250

Tech Sheet 20898

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV8SRFOA	1/4"	8	630
GEV10SR1/4FOA	1/4"	10	630
GEV12SR1/4FOA	1/4"	12	630
GEV10SRFOA	3/8"	10	630
GEV12SRFOA	3/8"	12	630
GEV16SR3/8FOA	3/8"	16	630
GEV12SR1/2FOA	1/2"	12	630
GEV14SRFOA	1/2"	14	630
GEV16SRFOA	1/2"	16	630
GEV20SR1/2FOA	1/2"	20	400
GEV16SR3/4FOA	3/4"	16	630
GEV20SRFOA	3/4"	20	400
GEV25SR3/4FOA	3/4"	25	400
GEV25SRFOA	1"	25	400
GEV30SR1FOA	1"	30	250
GEV38SR1FOA	1"	38	250
GEV38SRFOA	1.1/2"	38	250
GEV30SR11/4FOA	1.1/4"	30	250
GEV38SR11/4FOA	1.1/4"	38	250

Tech Sheet 20898

BSPT



Extra Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV4LLRK	1/8"	4	100
GEV6LLRK	1/8"	6	100
GEV8LLRK	1/8"	8	100

Tech Sheet 1661

Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV8LRK	1/4"	8	250
GEV10LRK	1/4"	10	250
GEV12LR1/4K	1/4"	12	250
GEV10LR3/8K	3/8"	10	250
GEV12LRK	3/8"	12	250
GEV15LRK	1/2"	15	250

Tech Sheet 1661

Form B, Metric



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6LM12X1.5	M12 x 1.5	6	400
GEV8LM	M12 x 1.5	8	400
GEV10LM	M14 x 1.5	10	400
GEV8LM16X1.5	M16 x 1.5	8	400
GEV10LM16X1.5	M16 x 1.5	10	400
GEV12LM	M16 x 1.5	12	400
GEV10LM18X1.5	M18 x 1.5	10	400
GEV12LM18X1.5	M18 x 1.5	12	400
GEV15LM	M18 x 1.5	15	400
GEV18LM18X1.5	M18 x 1.5	18	400
GEV10LM22X1.5	M22 x 1.5	10	400
GEV12LM22X1.5	M22 x 1.5	12	400
GEV15LM22X1.5	M22 x 1.5	15	400
GEV18LM	M22 x 1.5	18	400
GEV22LM	M26 x 1.5	22	250
GEV28LM	M33 x 2	28	250
GEV35LM	M42 x 2	35	250
GEV42LM	M48 x 2	42	250

Tech Sheet 1662

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6SM	M12 x 1.5	6	630
GEV8SM	M14 x 1.5	8	630
GEV10SM	M16 x 1.5	10	630
GEV12SM	M18 x 1.5	12	630
GEV16SM18X1.5	M18 x 1.5	16	630
GEV14SM	M20 x 1.5	14	630
GEV16SM	M22 x 1.5	16	630
GEV20SM	M27 x 2	20	400
GEV25SM	M33 x 2	25	400
GEV30SM	M42 x 2	30	250
GEV38SM	M48 x 2	38	250

Tech Sheet 1662

MALE STUD COUPLINGS



Form B, BSPP



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6LR	1/8"	6	400
GEV8LR1/8	1/8"	8	400
GEV6LR1/4	1/4"	6	400
GEV8LR	1/4"	8	400
GEV10LR	1/4"	10	400
GEV12LR1/4	1/4"	12	400
GEV6LR3/8	3/8"	6	400
GEV8LR3/8	3/8"	8	400
GEV10LR3/8	3/8"	10	400
GEV12LR	3/8"	12	400
GEV15LR3/8	3/8"	15	400
GEV18LR3/8	3/8"	18	400
GEV8LR1/2	1/2"	8	400
GEV10LR1/2	1/2"	10	400
GEV12LR1/2	1/2"	12	400
GEV15LR	1/2"	15	400
GEV18LR	1/2"	18	400
GEV22LR1/2	1/2"	22	250
GEV15LR3/4	3/4"	15	400
GEV18LR3/4	3/4"	18	400
GEV22LR	3/4"	22	250
GEV28LR3/4	3/4"	28	250
GEV22LR1	1"	22	250
GEV28LR	1"	28	250
GEV35LR1	1"	35	250
GEV42LR	1.1/2"	42	250

Tech Sheet 1663

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6SR	1/4"	6	630
GEV8SR	1/4"	8	630
GEV10SR1/4	1/4"	10	630
GEV12SR1/4	1/4"	12	630
GEV8SR3/8	3/8"	8	630
GEV10SR	3/8"	10	630
GEV12SR	3/8"	12	630
GEV14SR3/8	3/8"	14	630
GEV16SR3/8	3/8"	16	630
GEV8SR1/2	1/2"	8	630
GEV10SR1/2	1/2"	10	630
GEV12SR1/2	1/2"	12	630
GEV14SR	1/2"	14	630
GEV16SR	1/2"	16	630
GEV20SR1/2	1/2"	20	400
GEV16SR3/4	3/4"	16	630
GEV20SR	3/4"	20	400
GEV25SR3/4	3/4"	25	400
GEV30SR3/4	3/4"	30	250
GEV20SR1	1"	20	400
GEV25SR	1"	25	400
GEV30SR1	1"	30	250
GEV30SR	1.1/4"	30	250
GEV38SR11/4	1.1/4"	38	250
GEV38SR	1.1/2"	38	250

Tech Sheet 1663

Form E, Metric



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6LMWD	M10 x 1	6	500
GEV8LMWD	M12 x 1.5	8	500
GEV10LMWD	M14 x 1.5	10	500
GEV12LMWD	M16 x 1.5	12	400
GEV12LM18X1.5WD	M18 x 1.5	12	400
GEV15LMD	M18 x 1.5	15	400
GEV18LM18X1.5WD	M18 x 1.5	18	400
GEV12LM22X1.5WD	M22 x 1.5	12	400
GEV15LM22X1.5WD	M22 x 1.5	15	400
GEV18LMWD	M22 x 1.5	18	400
GEV22LMWD	M26 x 1.5	22	250
GEV28LMWD	M33 x 2	28	250
GEV35LMWD	M42 x 2	35	250

Tech Sheet 1664

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6SMWD	M12 x 1.5	6	800
GEV8SMWD	M14 x 1.5	8	800
GEV10SMWD	M16 x 1.5	10	800
GEV12SMWD	M18 x 1.5	12	630
GEV14SMWD	M20 x 1.5	14	630
GEV16SMWD	M22 x 1.5	16	630
GEV20SMWD	M27 x 2	20	420
GEV25SMWD	M33 x 2	25	420
GEV30SMWD	M42 x 2	30	420
GEV38SMWD	M48 x 2	38	420

Tech Sheet 1664

Form E, BSPP



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6LRWD	1/8"	6	500
GEV8LR1/8WD	1/8"	8	500
GEV6LR1/4WD	1/4"	6	500
GEV8LRWD	1/4"	8	500
GEV10LRWD	1/4"	10	500
GEV12LR1/4WD	1/4"	12	400
GEV8LR3/8WD	3/8"	8	500
GEV10LR3/8WD	3/8"	10	500
GEV12LRWD	3/8"	12	400
GEV15LR3/8WD	3/8"	15	400
GEV10LR1/2WD	1/2"	10	500
GEV12LR1/2WD	1/2"	12	400
GEV15LRWD	1/2"	15	400
GEV18LRWD	1/2"	18	400
GEV18LR3/4WD	3/4"	18	400
GEV22LRWD	3/4"	22	250
GEV28LRWD	1"	28	250
GEV35LRWD	1.1/4"	35	250
GEV42LRWD	1.1/2"	42	250

Tech Sheet 1665

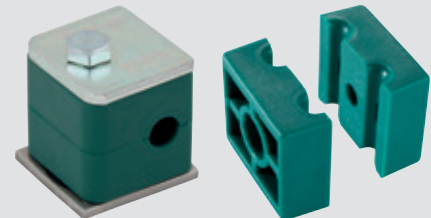
Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6SRWD	1/4"	6	800
GEV8SRWD	1/4"	8	800
GEV10SR1/4WD	1/4"	10	800
GEV12SR1/4WD	1/4"	12	630
GEV8SR3/8WD	3/8"	8	800
GEV10SRWD	3/8"	10	800
GEV12SRWD	3/8"	12	630
GEV16SR3/8WD	3/8"	16	630
GEV10SR1/2WD	1/2"	10	800
GEV12SR1/2WD	1/2"	12	630
GEV14SRWD	1/2"	14	630
GEV16SRWD	1/2"	16	630
GEV16SR3/4WD	3/4"	16	630
GEV20SRWD	3/4"	20	420
GEV25SR3/4WD	3/4"	25	420
GEV25SRWD	1"	25	420
GEV30SRWD	1.1/4"	30	420
GEV38SRWD	1.1/2"	38	420

Tech Sheet 1665

RSB

For Hydraulic Tube Clamps
see pages 184-200



MALE STUD COUPLINGS



NPT



Extra Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV4LL1/8NPT	1/8"	4	100
GEV6LL1/8NPT	1/8"	6	100
GEV8LL1/8NPT	1/8"	8	100

Tech Sheet 1666

Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV6L1/8NPT	1/8"	6	315
GEV6L1/4NPT	1/4"	6	315
GEV8L1/4NPT	1/4"	8	315
GEV10L1/4NPT	1/4"	10	315
GEV12L1/4NPT	1/4"	12	315
GEV10L3/8NPT	3/8"	10	315
GEV12L3/8NPT	3/8"	12	315
GEV12L1/2NPT	1/2"	12	315
GEV15L1/2NPT	1/2"	15	315
GEV18L1/2NPT	1/2"	18	315
GEV22L3/4NPT	3/4"	22	160
GEV28L1NPT	1"	28	160
GEV35L11/4NPT	1.1/4"	35	160
GEV42L11/2NPT	1.1/2"	42	160

Tech Sheet 1666

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV8S1/4NPT	1/4"	8	630
GEV10S1/4NPT	1/4"	10	630
GEV12S1/4NPT	1/4"	12	630
GEV10S3/8NPT	3/8"	10	630
GEV12S3/8NPT	3/8"	12	630
GEV12S1/2NPT	1/2"	12	630
GEV14S1/2NPT	1/2"	14	630
GEV16S1/2NPT	1/2"	16	400
GEV25S1NPT	1"	25	400
GEV38S11/2NPT	1.1/2"	38	315

Tech Sheet 1666

UNF



Light-duty

0350	Thread	OD mm	Max Pressure Bar
GEV8L7/16-20UNF	7/16-20 UNF	8	400
GEV10L7/16-20UNF	7/16-20 UNF	10	400
GEV8L9/16-18UNF	9/16-18 UNF	8	400
GEV10L9/16-18UNF	9/16-18 UNF	10	400
GEV12L9/16-18UNF	9/16-18 UNF	12	400
GEV12L3/4-16UNF	3/4-16 UNF	12	400
GEV15L3/4-16UNF	3/4-16 UNF	15	400
GEV18L3/4-16UNF	3/4-16 UNF	18	400
GEV12L7/8-14UNF	7/8-14 UNF	12	400
GEV15L7/8-14UNF	7/8-14 UNF	15	400
GEV18L7/8-14UNF	7/8-14 UNF	18	400
GEV22L7/8-14UNF	7/8-14 UNF	22	250
GEV28L7/8-14UNF	7/8-14 UNF	28	250
GEV22L11/16-12UN	1.1/16-12 UN	22	250
GEV28L15/16-12UN	1.5/16-12 UN	28	250
GEV35L15/16-12UN	1.5/16-12 UN	35	250
GEV35L15/8-12UN	1.5/8-12 UN	35	250

Tech Sheet 1667

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GEV10S9/16-18UNF	9/16-18 UNF	10	630
GEV12S3/4-16UNF	3/4-16 UNF	12	630
GEV16S3/4-16UNF	3/4-16 UNF	16	630
GEV20S3/4-16UNF	3/4-16 UNF	20	400
GEV16S7/8-14UNF	7/8-14 UNF	16	630
GEV20S7/8-14UNF	7/8-14 UNF	20	400
GEV20S11/16-12UN	1.1/16-10 UN	20	400
GEV30S15/8-12UN	1.5/8-12 UN	30	315

Tech Sheet 1667

For Hydraulic Ball Valves
see pages 238-240



MALE STUD ELBOWS & REDUCING BUSHES



Elbows



BSPT, Extra Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV4LLRK	1/8"	4	100
WEV6LLRK	1/8"	6	100
WEV8LLRK	1/8"	8	100
Tech Sheet 1668			

BSPT, Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6LRK	1/8"	6	250
WEV6LR1/4K	1/4"	6	250
WEV8LRK	1/4"	8	250
WEV12LR1/4K	1/4"	12	250
WEV10LRK	1/4"	10	250
WEV10LR3/8K	3/8"	10	250
WEV12LRK	3/8"	12	250
WEV15LR3/8K	3/8"	15	250
WEV12LR1/2K	1/2"	12	250
WEV15LRK	1/2"	15	250
WEV18LRK	1/2"	18	160
Tech Sheet 1668			

BSPT, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6SRK	1/4"	6	630
WEV8SRK	1/4"	8	630
WEV12SRK	3/8"	12	630
WEV14SRK	1/2"	14	630
WEV16SRK	1/2"	16	400
Tech Sheet 1668			

BSPP, Reducing Bushes

Captive NBR seal



BSPP, Compact

0350	Male Thread	Female Thread	Max Pressure Bar
REDR3/8X1/8	3/8"	1/8"	630
REDR1/2X1/8	1/2"	1/8"	630
REDR1/2X1/4	1/2"	1/4"	630
REDR3/4X1/4	3/4"	1/4"	400
REDR3/4X3/8	3/4"	3/8"	400
REDR1X1/4	1"	1/4"	400
REDR1X3/8	1"	3/8"	400
REDR1X1/2	1"	1/2"	400
REDR11/4X1/2	1.1/4"	1/2"	400
REDR11/4X3/4	1.1/4"	3/4"	400
REDR11/2X1/2	1.1/2"	1/2"	400
REDR11/2X3/4	1.1/2"	3/4"	400
REDR11/2X1	1.1/2"	1"	400
Tech Sheet 1671			



Metric Taper, Extra Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV4LLMK	M8 x 1	4	100
WEV6LLMK	M10 x 1	6	100
WEV8LLMK	M10 x 1	8	100
Tech Sheet 1669			

Metric Taper, Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6LMK	M10 x 1	6	250
WEV8LMK	M12 x 1.5	8	250
WEV10LMK	M14 x 1.5	10	250
WEV12LMK	M16 x 1.5	12	250
WEV15LMK	M18 x 1.5	15	250
WEV18LMK	M22 x 1.5	18	160
Tech Sheet 1669			

Metric Taper, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6SMK	M12 x 1.5	6	630
WEV8SMK	M14 x 1.5	8	630
WEV10SMK	M16 x 1.5	10	630
WEV12SMK	M18 x 1.5	12	630
WEV16SMK	M22 x 1.5	16	400
Tech Sheet 1669			

Captive NBR seal



BSPP

0350	Male Thread	Female Thread	Max Pressure Bar
REDR1/8X1/4	1/8"	1/4"	400
REDR1/8X3/8	1/8"	3/8"	400
REDR1/4X1/8	1/4"	1/8"	400
REDR1/4X3/8	1/4"	3/8"	400
REDR1/4X1/2	1/4"	1/2"	400
REDR1/4X3/4	1/4"	3/4"	400
REDR3/8X1/4	3/8"	1/4"	400
REDR3/8X1/2	3/8"	1/2"	400
REDR3/8X3/4	3/8"	3/4"	400
REDR1/2X3/8	1/2"	3/8"	400
REDR1/2X3/4	1/2"	3/4"	400

NPT, Extra Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV4LL1/8NPT	1/8"	4	100
WEV6LL1/8NPT	1/8"	6	100
WEV8LL1/8NPT	1/8"	8	100
Tech Sheet 1670			

NPT, Light-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6L1/8NPT	1/8"	6	250
WEV8L1/4NPT	1/4"	8	250
WEV10L1/4NPT	1/4"	10	250
WEV12L1/4NPT	1/4"	12	250
WEV12L3/8NPT	3/8"	12	250
WEV15L1/2NPT	1/2"	15	250
WEV18L1/2NPT	1/2"	18	160
WEV22L3/4NPT	3/4"	22	160
WEV28L1NPT	1"	28	100
Tech Sheet 1670			

NPT, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
WEV6S1/4NPT	1/4"	6	630
WEV8S1/4NPT	1/4"	8	630
WEV10S3/8NPT	3/8"	10	630
WEV12S3/8NPT	3/8"	12	630
WEV14S1/2NPT	1/2"	14	630
WEV16S1/2NPT	1/2"	16	400
WEV20S3/4NPT	3/4"	20	400
WEV25S1NPT	1"	25	400
Tech Sheet 1670			

TUBE TO TUBE COUPLINGS



Equal Elbows



Extra Light-duty

0350	OD mm	Max Pressure Bar
WV4LL	4	100
WV6LL	6	100
WV8LL	8	100

Tech Sheet 1673

Light-duty

0350	OD mm	Max Pressure Bar
WV6L	6	500
WV8L	8	500
WV10L	10	500
WV12L	12	400
WV15L	15	400
WV18L	18	400
WV22L	22	250
WV28L	28	250
WV35L	35	250
WV42L	42	250

Tech Sheet 1673

Heavy-duty

0350	OD mm	Max Pressure Bar
WV06S	6	800
WV08S	8	800
WV10S	10	800
WV12S	12	630
WV14S	14	630
WV16S	16	630
WV20S	20	420
WV25S	25	420
WV30S	30	420
WV38S	38	400

Tech Sheet 1673

Bulkhead Elbows



Light-duty

0350	Thread	OD mm	Max Pressure Bar
WSV6L	M12 x 1.5	6	500
WSV8L	M14 x 1.5	8	500
WSV10L	M16 x 1.5	10	500
WSV12L	M18 x 1.5	12	400
WSV15L	M22 x 1.5	15	400
WSV18L	M26 x 1.5	18	400
WSV22L	M30 x 2	22	250
WSV28L	M36 x 2	28	250
WSV35L	M45 x 2	35	250
WSV42L	M52 x 2	42	250

Tech Sheet 1674

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
WSV6S	M14 x 1.5	6	800
WSV8S	M16 x 1.5	8	800
WSV10S	M18 x 1.5	10	800
WSV12S	M20 x 1.5	12	630
WSV14S	M22 x 1.5	14	630
WSV16S	M24 x 1.5	16	630
WSV20S	M30 x 2	20	400
WSV25S	M36 x 2	25	400
WSV30S	M42 x 2	30	400
WSV38S	M52 x 2	38	400

Tech Sheet 1674

Reducing Elbows



Light-duty

0350	OD mm	OD mm	Max Pressure Bar
REDWV8L-6L	8	6	315
REDWV10L-8L	10	8	315
REDWV10L-6L	10	6	315
REDWV12L-10L	12	10	315
REDWV12L-8L	12	8	315
REDWV12L-6L	12	6	315
REDWV15L-12L	15	12	315
REDWV15L-10L	15	10	315
REDWV15L-8L	15	8	315
REDWV15L-6L	15	6	315
REDWV18L-15L	18	15	315
REDWV18L-12L	18	12	315
REDWV18L-10L	18	10	315
REDWV18L-8L	18	8	315
REDWV18L-6L	18	6	315
REDWV22L-18L	22	18	160
REDWV22L-15L	22	15	160
REDWV22L-12L	22	12	160
REDWV22L-10L	22	10	160
REDWV22L-8L	22	8	160
REDWV28L-22L	28	22	160
REDWV28L-18L	28	18	160
REDWV28L-15L	28	15	160
REDWV28L-12L	28	12	160
REDWV28L-10L	28	10	160
REDWV35L-28L	35	28	160
REDWV35L-22L	35	22	160
REDWV35L-18L	35	18	160
REDWV35L-15L	35	15	160
REDWV42L-35L	42	35	160
REDWV42L-22L	42	22	160
REDWV42L-18L	42	18	160
REDWV42L-15L	42	15	160

Heavy-duty

0350	OD mm	OD mm	Max Pressure Bar
REDWV8S-6S	8	6	630
REDWV10S-8S	10	8	630
REDWV10S-6S	10	6	630
REDWV12S-10S	12	10	630
REDWV12S-8S	12	8	630
REDWV12S-6S	12	6	630
REDWV14S-12S	14	12	630
REDWV14S-10S	14	10	630
REDWV14S-8S	14	8	630
REDWV14S-6S	14	6	630
REDWV16S-14S	16	14	400
REDWV16S-12S	16	12	400
REDWV16S-10S	16	10	400
REDWV16S-8S	16	8	400
REDWV16S-6S	16	6	400
REDWV20S-16S	20	16	400
REDWV20S-14S	20	14	400
REDWV20S-12S	20	12	400
REDWV20S-10S	20	10	400
REDWV20S-8S	20	8	400
REDWV20S-6S	20	6	400
REDWV25S-20S	25	20	400
REDWV25S-16S	25	16	400
REDWV25S-14S	25	14	400
REDWV25S-12S	25	12	400
REDWV25S-10S	25	10	400
REDWV25S-8S	25	8	400
REDWV30S-25S	30	25	400
REDWV30S-20S	30	20	400
REDWV30S-16S	30	16	400
REDWV30S-14S	30	14	400
REDWV30S-12S	30	12	400
REDWV38S-30S	38	30	315
REDWV38S-25S	38	25	315
REDWV38S-20S	38	20	315
REDWV38S-16S	38	16	315
REDWV38S-10S	38	10	315

TUBE TO TUBE COUPLINGS



Equal Tees



Extra Light-duty

0350	OD mm	Max Pressure Bar
TV4LL	4	100
TV6LL	6	100
TV8LL	8	100

Tech Sheet 1676

Light-duty

0350	OD mm	Max Pressure Bar
TV6L	6	500
TV8L	8	500
TV10L	10	500
TV12L	12	400
TV15L	15	400
TV18L	18	400
TV22L	22	250
TV28L	28	250
TV35L	35	250
TV42L	42	250

Tech Sheet 1676

Heavy-duty

0350	OD mm	Max Pressure Bar
TV6S	6	800
TV8S	8	800
TV10S	10	800
TV12S	12	630
TV14S	14	630
TV16S	16	630
TV20S	20	420
TV25S	25	420
TV30S	30	420
TV38S	38	400

Tech Sheet 1676

Reducing Tees

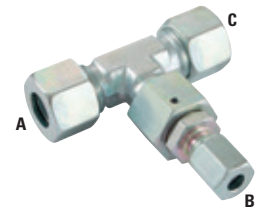


Light-duty

0350	OD A mm	OD B mm	OD C mm	Max Pressure Bar
TV10/10/6L	10	6	10	500
TV10/10/8L	10	8	10	500
TV12/12/8L	12	8	12	400
TV12/12/10L	12	10	12	400
TV12/12/15L	12	15	12	400
TV15/12/12L	15	12	12	400
TV18/18/10L	18	10	18	400
TV18/18/12L	18	12	18	400
TV22/22/10L	22	10	22	250
TV22/22/15L	22	15	22	250

Tech Sheet 1677

Adjustable Reducing Tees



Light-duty

0350	OD A mm	OD B mm	OD C mm	Max Pressure Bar
TV8/8/6L	8	8	6	315
TV12/12/6L	12	12	6	315
TV15/15/12L	15	15	12	315
TV15/15/10L	15	15	10	315
TV15/15/8L	15	15	8	315
TV15/15/6L	15	15	6	315
TV18/18/15L	18	18	15	315
TV18/18/8L	18	18	8	315
TV18/18/6L	18	18	6	315
TV22/22/18L	22	22	18	160
TV22/22/12L	22	22	12	160
TV22/22/8L	22	22	8	160
TV28/28/22L	28	28	22	160
TV28/28/18L	28	28	18	160
TV28/28/15L	28	28	15	160
TV28/28/12L	28	28	12	160
TV28/28/10L	28	28	10	160
TV35/35/28L	35	35	28	160
TV35/35/22L	35	35	22	160
TV35/35/18L	35	35	18	160
TV35/35/15L	35	35	15	160
TV42/42/35L	42	42	35	160
TV42/42/22L	42	42	22	160
TV42/42/18L	42	42	18	160
TV42/42/15L	42	42	15	160

Heavy-duty

0350	OD A mm	OD B mm	OD C mm	Max Pressure Bar
TV8/8/6S	8	6	8	630
TV10/10/8S	10	8	10	630
TV10/10/6S	10	6	10	630
TV12/12/10S	12	10	12	630
TV12/12/8S	12	8	12	630
TV12/12/6S	12	6	12	630
TV14/14/12S	14	12	14	630
TV14/14/10S	14	10	14	630
TV14/14/8S	14	8	14	630
TV14/14/6S	14	6	14	630
TV16/16/14S	16	14	16	400
TV16/16/12S	16	12	16	400
TV16/16/10S	16	10	16	400
TV16/16/8S	16	8	16	400
TV16/16/6S	16	6	16	400
TV20/20/16S	20	16	20	400
TV20/20/14S	20	14	20	400
TV20/20/12S	20	12	20	400
TV20/20/10S	20	10	20	400
TV20/20/8S	20	8	20	400
TV20/20/6S	20	6	20	400
TV25/25/20S	25	20	25	400
TV25/25/16S	25	16	25	400
TV25/25/14S	25	14	25	400
TV25/25/12S	25	12	25	400
TV25/25/10S	25	10	25	400
TV25/25/8S	25	8	25	400
TV30/30/25S	30	25	30	400
TV30/30/20S	30	20	30	400
TV30/30/16S	30	16	30	400
TV30/30/14S	30	14	30	400
TV30/30/12S	30	12	30	400
TV38/38/30S	38	30	38	315
TV38/38/25S	38	25	38	315
TV38/38/20S	38	20	38	315
TV38/38/16S	38	16	38	315
TV38/38/10S	38	10	38	315

stainless steel

You might also need
316 Stainless Steel Tube
see page 183



TUBE TO TUBE COUPLINGS



Bulkhead Couplings



Straight, Light-duty

0350	Thread	OD mm	Max Pressure Bar
GSV6L	M12 x 1.5	6	500
GSV8L	M14 x 1.5	8	500
GSV10L	M16 x 1.5	10	500
GSV12L	M18 x 1.5	12	400
GSV15L	M22 x 1.5	15	400
GSV18L	M26 x 1.5	18	400
GSV22L	M30 x 2	22	250
GSV28L	M36 x 2	28	250
GSV35L	M45 x 2	35	250
GSV42L	M52 x 2	42	250

Tech Sheet 1675

Straight, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GSV6S	M14 x 1.5	6	800
GSV8S	M16 x 1.5	8	800
GSV10S	M18 x 1.5	10	800
GSV12S	M20 x 1.5	12	630
GSV14S	M22 x 1.5	14	630
GSV16S	M24 x 1.5	16	630
GSV20S	M30 x 2	20	630
GSV25S	M36 x 2	25	630
GSV30S	M42 x 2	30	630
GSV38S	M52 x 2	38	400

Tech Sheet 1675

Straight Couplings



Equal Straight, Extra Light-duty

0350	OD mm	Max Pressure Bar
GV4LL	4	100
GV6LL	6	100
GV8LL	8	100

Tech Sheet 1678

Equal Straight, Light-duty

0350	OD mm	Max Pressure Bar
GV-6L	6	500
GV-8L	8	500
GV-10L	10	500
GV-12L	12	400
GV-15L	15	400
GV-18L	18	400
GV-22L	22	250
GV-28L	28	250
GV-35L	35	250
GV-42L	42	250

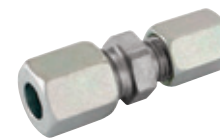
Tech Sheet 1678

Equal Straight, Heavy-duty

0350	OD mm	Max Pressure Bar
GV6S	6	800
GV8S	8	800
GV10S	10	800
GV12S	12	630
GV14S	14	630
GV16S	16	630
GV20S	20	420
GV25S	25	420
GV30S	30	420
GV38S	38	420

Tech Sheet 1678

Reducing Couplings



Unequal Straight, Extra Light-duty

0350	OD mm	OD mm	Max Pressure Bar
GV6/4LL	6	4	100

Tech Sheet 1679

Unequal Straight, Light-duty

0350	OD mm	OD mm	Max Pressure Bar
GV8/6L	8	6	500
GV10/6L	10	6	500
GV10/8L	10	8	500
GV12/6L	12	6	400
GV12/8L	12	8	400
GV12/10L	12	10	400
GV15/10L	15	10	400
GV15/12L	15	12	400
GV18/10L	18	10	400
GV18/12L	18	12	400
GV18/15L	18	15	400
GV22/15L	22	15	250
GV22/18L	22	18	250

Tech Sheet 1679

Unequal Straight, Heavy-duty

0350	OD mm	OD mm	Max Pressure Bar
GV16/12S	16	12	620
GV20/16S	20	16	420
GV25/16S	25	16	420
GV25/20S	25	20	420

Tech Sheet 1679

Tube to Tube Equal Crosses



Extra Light-duty

0350	OD mm	Max Pressure Bar
KV4LL	4	100
KV6LL	6	100
KV8LL	8	100

Tech Sheet 1680

Light-duty

0350	OD mm	Max Pressure Bar
KV6L	6	500
KV8L	8	500
KV10L	10	500
KV12L	12	400
KV15L	15	400
KV18L	18	400
KV22L	22	250
KV28L	28	250
KV35L	35	250
KV42L	42	250

Tech Sheet 1680

Heavy-duty

0350	OD mm	Max Pressure Bar
KV6S	6	800
KV8S	8	800
KV10S	10	800
KV12S	12	630
KV14S	14	630
KV16S	16	630
KV20S	20	420
KV25S	25	420
KV30S	30	420
KV38S	38	400

Tech Sheet 1680

BANJO COUPLINGS

Banjo Couplings

Low restrictive



Banjo Seal Edge Metric, Light-duty

0350	Thread	OD mm	Max Pressure Bar
RSWV6LM	M10 x 1	6	500
RSWV8LM	M12 x 1.5	8	500
RSWV10LM	M14 x 1.5	10	500
RSWV12LM	M16 x 1.5	12	400
RSWV12LM18X1.5	M18 x 1.5	12	315
RSWV15LM	M18 x 1.5	15	400
RSWV18LM	M22 x 1.5	18	400
RSWV22LM	M26 x 1.5	22	250
RSWV28LM	M33 x 2	28	250
RSWV35LM	M42 x 2	35	250
RSWV42LM	M48 x 2	42	250

Tech Sheets 1681 & 1682

Banjo Seal Edge Metric, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
RSWV6SM	M12 x 1.5	6	500
RSWV8SM	M14 x 1.5	8	500
RSWV10SM	M16 x 1.5	10	500
RSWV12SM	M18 x 1.5	12	400
RSWV14SM	M20 x 1.5	14	400
RSWV16SM	M22 x 1.5	16	400
RSWV20SM	M27 x 2	20	315
RSWV25SM	M33 x 2	25	250
RSWV30SM	M42 x 2	30	250
RSWV38SM	M48 x 2	38	250

Tech Sheets 1681 & 1682

Banjo Seal Edge BSPP, Light-duty

0350	Thread	OD mm	Max Pressure Bar
RSWV6LR	1/8"	6	500
RSWV8LR	1/4"	8	500
RSWV10LR	1/4"	10	500
RSWV12LR	3/8"	12	400
RSWV15LR	1/2"	15	400
RSWV18LR	1/2"	18	400
RSWV22LR	3/4"	22	250
RSWV28LR	1"	28	250
RSWV35LR	1.1/4"	35	250
RSWV42LR	1.1/2"	42	250

Tech Sheets 1681 & 1682

Banjo Seal Edge BSPP, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
RSWV6SR	1/4"	6	500
RSWV8SR	1/4"	8	500
RSWV10SR	3/8"	10	500
RSWV12SR	3/8"	12	400
RSWV14SR	1/2"	14	400
RSWV16SR	1/2"	16	400
RSWV20SR	3/4"	20	315
RSWV25SR	1"	25	250
RSWV30SR	1.1/4"	30	250
RSWV38SR	1.1/2"	38	250

Tech Sheets 1681 & 1682

Double Banjo Couplings



Double Banjo Metric, Light-duty with Elastomer Seal

0350	Thread	OD mm	Max Pressure Bar
P-RSTV6LM-WD	M10 x 1	6	500
P-RSTV8LM-WD	M12 x 1.5	8	500
P-RSTV10LM-WD	M14 x 1.5	10	500
P-RSTV12LM-WD	M16 x 1.5	12	400
P-RSTV15LM-WD	M18 x 1.5	15	400
P-RSTV18LM-WD	M22 x 1.5	18	400
P-RSTV22LM-WD	M26 x 1.5	22	250
P-RSTV28LM-WD	M33 x 2	28	250
P-RSTV35LM-WD	M42 x 2	35	250

Tech Sheets 1683 & 1684

Double Banjo Metric, Heavy-duty with Elastomer Seal

0350	Thread	OD mm	Max Pressure Bar
P-RSTV6SM-WD	M12 x 1.5	6	500
P-RSTV8SM-WD	M14 x 1.5	8	500
P-RSTV16SM-WD	M22 x 1.5	16	400
P-RSTV20SM-WD	M27 x 2	20	315
P-RSTV25SM-WD	M33 x 2	25	250
P-RSTV30SM-WD	M42 x 2	30	250
P-RSTV38SM-WD	M48 x 2	38	250

Tech Sheets 1683 & 1684

Double Banjo BSPP, Light-duty with Elastomer Seal

0350	Thread	OD mm	Max Pressure Bar
P-RSTV6LR-WD	1/8"	6	500
P-RSTV8LR-WD	1/4"	8	500
P-RSTV10LR-WD	1/4"	10	500
P-RSTV12LR-WD	3/8"	12	400
P-RSTV15LR-WD	1/2"	15	400
P-RSTV18LR-WD	1/2"	18	400
P-RSTV35LR-WD	1.1/4"	35	250
P-RSTV42LR-WD	1.1/2"	42	250

Tech Sheets 1683 & 1684

Double Banjo BSPP, Heavy-duty with Elastomer Seal

0350	Thread	OD mm	Max Pressure Bar
P-RSTV6SR-WD	1/4"	6	500
P-RSTV8SR-WD	1/4"	8	500
P-RSTV10SR-WD	3/8"	10	500
P-RSTV12SR-WD	3/8"	12	400
P-RSTV16SR-WD	1/2"	16	400
P-RSTV20SR-WD	3/4"	20	315
P-RSTV25SR-WD	1"	25	250
P-RSTV30SR-WD	1.1/4"	30	250
P-RSTV38SR-WD	1.1/2"	38	250

Tech Sheets 1683 & 1684

Swivel Elbow Banjo Coupling, Tube to Tube



Light-duty

0350	OD mm	Max Pressure Bar
DGWW6L	6	250
DGWW8L	8	250
DGWW10L	10	250
DGWW12L	12	250
DGWW18L	18	160
DGWW22L	22	160
DGWW28L	28	100
DGWW35L	35	100
DGWW42L	42	100

Tech Sheet 1685

Heavy-duty

0350	OD mm	Max Pressure Bar
DGWW6S	6	400
DGWW8S	8	400
DGWW10S	10	400
DGWW14S	14	400
DGWW16S	16	400
DGWW20S	20	250
DGWW25S	25	250
DGWW30S	30	250
DGWW38S	38	250

Tech Sheet 1685

Swivel Banjo Couplings



BSPP, Light-duty

0350	Thread	OD mm	Max Pressure Bar
DGWEV6LRWD	1/8"	6	250
DGWEV6LR1/4WD	1/4"	6	250
DGWEV8LRWD	1/4"	8	250
DGWEV10LRWD	1/4"	10	250
DGWEV10LR3/8WD	3/8"	10	250
DGWEV12LRWD	3/8"	12	250
DGWEV12LR1/2WD	1/2"	12	250
DGWEV15LRWD	1/2"	15	250
DGWEV18LRWD	1/2"	18	160
DGWEV22LRWD	3/4"	22	160
DGWEV28LRWD	1"	28	100
DGWEV35LRWD	1.1/4"	35	100
DGWEV42LRWD	1.1/2"	42	100

Tech Sheet 1686

BSPP, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
DGWEV6SRWD	1/4"	6	400
DGWEV8SRWD	1/4"	8	400
DGWEV10SRWD	3/8"	10	400
DGWEV12SRWD	3/8"	12	400
DGWEV16SRWD	1/2"	16	400
DGWEV20SRWD	3/4"	20	250
DGWEV25SRWD	1"	25	250
DGWEV30SRWD	1.1/4"	30	250
DGWEV38SRWD	1.1/2"	38	250

Tech Sheet 1686

Swivel banjos are connecting components between pipe work and equipment to allow swivel movement and slow speed rotation. These connections have a low starting torque and are leak-free and require no maintenance.

WELDING COUPLINGS



Welding Couplings



Bosses, Light-duty

0350	OD mm	Max Pressure Bar
ASV6L	6	500
ASV8L	8	500
ASV10L	10	500
ASV12L	12	400
ASV15L	15	400
ASV18L	18	400
ASV22L	22	250
ASV28L	28	250
ASV35L	35	250
ASV42L	42	250

Tech Sheet 1687

Bosses, Heavy-duty

0350	OD mm	Max Pressure Bar
ASV6S	6	800
ASV8S	8	800
ASV12S	12	630
ASV14S	14	630
ASV16S	16	630
ASV20S	20	420
ASV25S	25	420
ASV30S	30	420
ASV38S	38	420

Tech Sheet 1687



Bulkhead, Light-duty

0350	OD mm	Max Pressure Bar
ESV6L	6	500
ESV8L	8	500
ESV10L	10	500
ESV12L	12	400
ESV15L	15	400
ESV18L	18	400
ESV22L	22	250
ESV28L	28	250
ESV35L	35	250
ESV42L	42	250

Tech Sheet 1688

Bulkhead, Heavy-duty

0350	OD mm	Max Pressure Bar
ESV8S	8	800
ESV10S	10	800
ESV12S	12	630
ESV14S	14	630
ESV16S	16	630
ESV20S	20	420
ESV25S	25	420
ESV30S	30	420
ESV38S	38	420

Tech Sheet 1688

Welding Nipples

Without tube centring



With O-Ring Seal

0350	To Suit Tube OD mm	Max Pressure Bar
SN8X2	8 x 2	400
SN10X1.5	10 x 1.5	400
SN10X2	10 x 2	400
SN12X2.5	12 x 2.5	400
SN16X2	16 x 2	400
SN16X3	16 x 3	400
SN20X3	20 x 3	250
SN25X3	25 x 3	250
SN25X4	25 x 4	315
SN30X4	30 x 4	250
SN30X5	30 x 5	315
SN38X4	38 x 4	160
SN38X5	38 x 5	250
SN38X6	38 x 6	315

Tech Sheet 1689

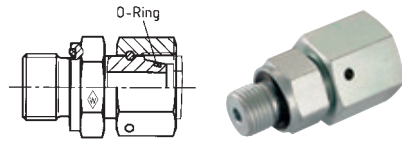


For PPE
see pages 1750-1760

ADJUSTABLE STUD COUPLINGS



Standpipes, Metric



Captive Seal, Light-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6LMWD	M10 x 1	6	500
EGESD8LMWD	M12 x 1.5	8	500
EGESD10LMWD	M14 x 1.5	10	500
EGESD12LMWD	M16 x 1.5	12	400
EGESD15LMWD	M18 x 1.5	15	400
EGESD18LMWD	M22 x 1.5	18	400
EGESD22LMWD	M26 x 1.5	22	250
EGESD28LMWD	M33 x 2	28	250
EGESD35LMWD	M42 x 2	35	250
EGESD42LMWD	M48 x 2	42	250

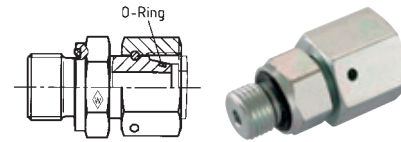
Tech Sheet 1690

Captive Seal, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6SMWD	M12 x 1.5	6	800
EGESD8SMWD	M14 x 1.5	8	800
EGESD10SMWD	M16 x 1.5	10	800
EGESD12SMWD	M18 x 1.5	12	630
EGESD14SMWD	M20 x 1.5	14	630
EGESD16SMWD	M22 x 1.5	16	630
EGESD20SMWD	M27 x 2	20	420
EGESD25SMWD	M33 x 2	25	420
EGESD30SMWD	M42 x 2	30	400
EGESD38SMWD	M48 x 2	38	400

Tech Sheet 1690

Standpipes, BSPP



Captive Seal, Light-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6LRWD	1/8"	6	500
EGESD8LRWD	1/4"	8	500
EGESD10LRWD	1/4"	10	500
EGESD12LRWD	3/8"	12	400
EGESD15LRWD	1/2"	15	400
EGESD18LRWD	1/2"	18	400
EGESD22LRWD	3/4"	22	250
EGESD28LRWD	1"	28	250
EGESD35LRWD	1.1/4"	35	250
EGESD42LRWD	1.1/2"	42	250

Tech Sheet 1691

Captive Seal, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6SRWD	1/4"	6	800
EGESD8SRWD	1/4"	8	800
EGESD12SRWD	3/8"	12	630
EGESD10SRWD	3/8"	10	800
EGESD12SR1/2WD	1/2"	12	630
EGESD14SRWD	1/2"	14	630
EGESD16SRWD	1/2"	16	630
EGESD20SRWD	3/4"	20	420
EGESD25SRWD	1"	25	420
EGESD30SRWD	1.1/4"	30	400
EGESD38SRWD	1.1/2"	38	400

Tech Sheet 1691

Standpipes, NPT



Light-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6L1/8NPT	1/8"	6	250
EGESD8L1/4NPT	1/4"	8	250
EGESD10L1/4NPT	1/4"	10	250
EGESD12L3/8NPT	3/8"	12	250
EGESD15L1/2NPT	1/2"	15	250
EGESD18L1/2NPT	1/2"	18	160
EGESD22L3/4NPT	3/4"	22	160
EGESD28L1NPT	1"	28	100

Tech Sheet 1692

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
EGESD6S1/4NPT	1/4"	6	630
EGESD8S1/4NPT	1/4"	8	630
EGESD10S3/8NPT	3/8"	10	630
EGESD12S3/8NPT	3/8"	12	630
EGESD16S1/2NPT	1/2"	16	400
EGESD20S3/4NPT	3/4"	20	400
EGESD25S1NPT	1"	25	400
EGESD30S11/4NPT	1.1/4"	30	250
EGESD38S11/2NPT	1.1/2"	38	250

Tech Sheet 1692

Straight Couplings

Nuts on either side are retractable to back of O-Ring groove, but only one at a time.



Equal Straight, Light-duty

0350	OD mm	Max Pressure Bar
SNV6L	6	500
SNV8L	8	500
SNV10L	10	500
SNV12L	12	400
SNV15L	15	400
SNV18L	18	400
SNV22L	22	250
SNV28L	28	250
SNV35L	35	250
SNV42L	42	250

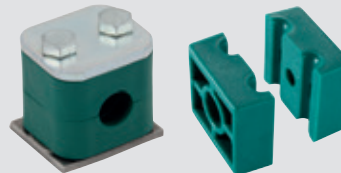
Tech Sheet 1693

Equal Straight, Heavy-duty

0350	OD mm	Max Pressure Bar
SNV6S	6	800
SNV8S	8	800
SNV10S	10	800
SNV12S	12	630
SNV14S	14	630
SNV16S	16	630
SNV20S	20	420
SNV25S	25	420
SNV30S	30	400
SNV38S	38	400

Tech Sheet 1693

You might also need
Hydraulic Tubing
see pages 179-183

For **Hydraulic Tube Clamps**
see pages 184-200

SWIVEL COUPLINGS



Straight Couplings

Nuts on either side are retractable to back of O-Ring groove

Unequal Straight, Light-duty

0350	OD mm	OD mm	Max Pressure Bar
SNV8/6L	8	6	500
SNV10/6L	10	6	500
SNV10/8L	10	8	500
SNV12/6L	12	6	400
SNV12/8L	12	8	400
SNV12/10L	12	10	400
SNV15/8L	15	8	400
SNV15/10L	15	10	400
SNV15/12L	15	12	400
SNV18/10L	18	10	400
SNV18/12L	18	12	400
SNV18/15L	18	15	400
SNV22/12L	22	12	250
SNV22/15L	22	15	250
SNV28/15L	28	15	250
SNV28/18L	28	18	250
SNV28/22L	28	22	250
SNV35/18L	35	18	250
SNV35/22L	35	22	250
SNV35/28L	35	28	250
SNV42/22L	42	22	250
SNV42/28L	42	28	250
SNV42/35L	42	35	250

Tech Sheet 1694



Unequal Straight, Heavy-duty

0350	OD mm	OD mm	Max Pressure Bar
SNV8/6S	8	6	800
SNV10/6S	10	6	800
SNV10/8S	10	8	800
SNV12/6S	12	6	630
SNV12/8S	12	8	630
SNV12/10S	12	10	630
SNV16/10S	16	10	630
SNV16/12S	16	12	630
SNV20/12S	20	12	420
SNV20/16S	20	16	420
SNV25/16S	25	16	420
SNV25/20S	25	20	420
SNV30/16S	30	16	400
SNV30/20S	30	20	400
SNV30/25S	30	25	400
SNV38/20S	38	20	400
SNV38/25S	38	25	400
SNV38/30S	38	30	400

Tech Sheet 1694



Unequal Straight, Light to Heavy-duty

0350	OD mm	OD mm	Max Pressure Bar
SNV6L/6S	6	6	400
SNV8L/8S	8	8	400
SNV10L/10S	10	10	400
SNV12L/12S	12	12	400
SNV18L/16S	18	16	400
SNV22L/20S	22	20	250
SNV28L/25S	28	25	250
SNV35L/30S	35	30	250
SNV42L/38S	42	38	250

Tech Sheet 1695

Unequal Straight, Heavy to Light-duty

0350	OD mm	OD mm	Max Pressure Bar
SNV16S/15L	16	15	400
SNV20S/18L	20	18	400
SNV25S/22L	25	22	250
SNV30S/28L	30	28	250
SNV38S/35L	38	35	250

Tech Sheet 1695

Adjustable Swivel Elbows



Light-duty

0350	Thread	OD mm	Max Pressure Bar
EWVD6L	M12 x 1.5	6	500
EWVD8L	M14 x 1.5	8	500
EWVD10L	M16 x 1.5	10	500
EWVD12L	M18 x 1.5	12	400
EWVD15L	M22 x 1.5	15	400
EWVD18L	M26 x 1.5	18	400
EWVD22L	M30 x 2	22	250
EWVD28L	M36 x 2	28	250
EWVD35L	M45 x 2	35	250
EWVD42L	M52 x 2	42	250

Tech Sheet 1696

Adjustable Run Tees



Light-duty

0350	Thread	OD mm	Max Pressure Bar
ELVD6L	M12 x 1.5	6	500
ELVD8L	M14 x 1.5	8	500
ELVD10L	M16 x 1.5	10	500
ELVD12L	M18 x 1.5	12	400
ELVD15L	M22 x 1.5	15	400
ELVD18L	M26 x 1.5	18	400
ELVD22L	M30 x 2	22	250
ELVD28L	M36 x 2	28	250
ELVD35L	M45 x 2	35	250
ELVD42L	M52 x 2	42	250

Tech Sheet 1697

Adjustable Branch Tees



Light-duty

0350	Thread	OD mm	Max Pressure Bar
ETVD6L	M12 x 1.5	6	500
ETVD8L	M14 x 1.5	8	500
ETVD10L	M16 x 1.5	10	500
ETVD12L	M18 x 1.5	12	400
ETVD15L	M22 x 1.5	15	400
ETVD18L	M26 x 1.5	18	400
ETVD22L	M30 x 2	22	250
ETVD28L	M36 x 2	28	250
ETVD35L	M45 x 2	35	250
ETVD42L	M52 x 2	42	250

Tech Sheet 1698

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
EWVD6S	M14 x 1.5	6	800
EWVD8S	M16 x 1.5	8	800
EWVD10S	M18 x 1.5	10	800
EWVD12S	M20 x 1.5	12	630
EWVD14S	M22 x 1.5	14	630
EWVD16S	M24 x 1.5	16	630
EWVD20S	M30 x 2	20	420
EWVD25S	M36 x 2	25	420
EWVD30S	M42 x 2	30	400
EWVD38S	M52 x 2	38	400

Tech Sheet 1696

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
ELVD6S	M14 x 1.5	6	800
ELVD8S	M16 x 1.5	8	800
ELVD10S	M18 x 1.5	10	800
ELVD12S	M20 x 1.5	12	630
ELVD14S	M22 x 1.5	14	630
ELVD16S	M24 x 1.5	16	630
ELVD20S	M30 x 2	20	420
ELVD25S	M36 x 2	25	420
ELVD30S	M42 x 2	30	400
ELVD38S	M52 x 2	38	400

Tech Sheet 1697

Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
ETVD6S	M14 x 1.5	6	800
ETVD8S	M16 x 1.5	8	800
ETVD10S	M18 x 1.5	10	800
ETVD12S	M20 x 1.5	12	630
ETVD14S	M22 x 1.5	14	630
ETVD16S	M24 x 1.5	16	630
ETVD20S	M30 x 2	20	420
ETVD25S	M36 x 2	25	420
ETVD30S	M42 x 2	30	400
ETVD38S	M52 x 2	38	400

Tech Sheet 1698

FEMALE STUD & GAUGE COUPLINGS



Female Stud Couplings



Female Stud Metric, Light-duty

0350	Thread	OD mm	Max Pressure Bar
GAV6LM	M10 x 1	6	250
GAV8LM	M12 x 1.5	8	250
GAV10LM	M14 x 1.5	10	250
GAV12LM	M16 x 1.5	12	250
GAV15LM	M18 x 1.5	15	250
GAV18LM	M22 x 1.5	18	160
GAV22LM	M26 x 1.5	22	160

Tech Sheet 1699

Female Stud Metric, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GAV6SM	M12 x 1.5	6	630
GAV8SM	M14 x 1.5	8	630
GAV10SM	M16 x 1.5	10	630
GAV12SM	M18 x 1.5	12	630
GAV14SM	M20 x 1.5	14	630
GAV16SM	M22 x 1.5	16	400
GAV20SM	M27 x 2	20	400

Tech Sheet 1699



Female Stud BSPP, Light-duty

0350	Thread	OD mm	Max Pressure Bar
GAV6LR	1/8"	6	250
GAV8LR	1/4"	8	250
GAV10LR	1/4"	10	250
GAV12LR1/4	1/4"	12	250
GAV12LR	3/8"	12	250
GAV15LR	1/2"	15	250
GAV18LR	1/2"	18	160
GAV22LR	3/4"	22	160
GAV28LR	1"	28	100
GAV35LR	1.1/4"	35	100
GAV42LR	1.1/2"	42	100

Tech Sheet 1700

Female Stud BSPP, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
GAV6SR	1/4"	6	630
GAV8SR	1/4"	8	630
GAV10SR	3/8"	10	630
GAV12SR	3/8"	12	630
GAV14SR	1/2"	14	630
GAV16SR	1/2"	16	400
GAV20SR	3/4"	20	400
GAV25SR	1"	25	400
GAV30SR	1.1/4"	30	250
GAV38SR	1.1/2"	38	250

Tech Sheet 1700

Female Gauge Couplings



Female Gauge BSPP, Tube, Light-duty

0350	Thread	OD mm	Max Pressure Bar
MAV6LR	1/4"	6	500
MAV8LR	1/4"	8	500
MAV10LR	1/4"	10	500
MAV12LR	1/4"	12	400

Tech Sheet 1701

Female Gauge BSPP, Tube, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
MAV6SR	1/2"	6	800
MAV8SR	1/2"	8	800
MAV10SR	1/2"	10	800
MAV12SR	1/2"	12	630

Tech Sheet 1701



Female Gauge BSPP, Swivel, Light-duty

0350	Thread	OD mm	Max Pressure Bar
EMASD6LR	1/4"	6	500
EMASD8LR	1/4"	8	500
EMASD10LR	1/4"	10	500
EMASD12LR	1/4"	12	400

Tech Sheet 1702

Female Gauge BSPP, Swivel, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
EMASD6SR	1/2"	6	630
EMASD8SR	1/2"	8	630
EMASD10SR	1/2"	10	630
EMASD12SR	1/2"	12	630

Tech Sheet 1702

Sealing Ring for Gauge Coupling



Steel

0350	To Suit
DKRR1/4MANOM.A3L	1/4"
DKRR1/2MANOM.A3L	1/2"



Customers who bought from this page also purchased **Glycerine Gauges** see pages 414-416

REDUCING COUPLINGS



Reducing Inserts



Light-duty

0350	OD mm	OD mm	Max Pressure Bar
REDVDN8/6L	8	6	500
REDVDN10/8L	10	8	500
REDVDN10/6L	10	6	500
REDVDN12/10L	12	10	400
REDVDN12/8L	12	8	400
REDVDN12/6L	12	6	400
REDVDN15/12L	15	12	400
REDVDN15/10L	15	10	400
REDVDN15/8L	15	8	400
REDVDN15/6L	15	6	400
REDVDN18/15L	18	15	400
REDVDN18/12L	18	12	400
REDVDN18/10L	18	10	400
REDVDN18/8L	18	8	400
REDVDN18/6L	18	6	400
REDVDN22/18L	22	18	250
REDVDN22/15L	22	15	250
REDVDN22/12L	22	12	250
REDVDN22/10L	22	10	250
REDVDN22/8L	22	8	250
REDVDN28/22L	28	22	250
REDVDN28/18L	28	18	250
REDVDN28/15L	28	15	250
REDVDN28/12L	28	12	250
REDVDN28/10L	28	10	250
REDVDN35/28L	35	28	250
REDVDN35/22L	35	22	250
REDVDN35/18L	35	18	250
REDVDN35/15L	35	15	250
REDVDN42/35L	42	35	250
REDVDN42/22L	42	22	250
REDVDN42/18L	42	18	250
REDVDN42/15L	42	15	250

Tech Sheet 1703



Heavy-duty

0350	OD mm	OD mm	Max Pressure Bar
REDVDN8/6S	8	6	800
REDVDN10/8S	10	8	800
REDVDN10/6S	10	6	800
REDVDN12/10S	12	10	630
REDVDN12/8S	12	8	630
REDVDN12/6S	12	6	630
REDVDN14/12S	14	12	630
REDVDN14/10S	14	10	630
REDVDN14/8S	14	8	630
REDVDN14/6S	14	6	630
REDVDN16/14S	16	14	630
REDVDN16/12S	16	12	630
REDVDN16/10S	16	10	630
REDVDN16/8S	16	8	630
REDVDN16/6S	16	6	630
REDVDN20/16S	20	16	420
REDVDN20/14S	20	14	420
REDVDN20/12S	20	12	420
REDVDN20/10S	20	10	420
REDVDN20/8S	20	8	420
REDVDN20/6S	20	6	420
REDVDN25/20S	25	20	420
REDVDN25/16S	25	16	420
REDVDN25/14S	25	14	420
REDVDN25/12S	25	12	420
REDVDN25/10S	25	10	420
REDVDN25/8S	25	8	420
REDVDN30/25S	30	25	400
REDVDN30/20S	30	20	400
REDVDN30/16S	30	16	400
REDVDN30/14S	30	14	400
REDVDN30/12S	30	12	400
REDVDN38/30S	38	30	400
REDVDN38/25S	38	25	400
REDVDN38/20S	38	20	400
REDVDN38/16S	38	16	400
REDVDN38/10S	38	10	400

Tech Sheet 1704

For **Bonded Seals**
see pages 109-112



DIN 2353 BODY ONLY FITTINGS



Male Stud Coupling



Light-duty, Form B, BSPP

0350	Thread	OD mm
GES 6 LR	1/8"	6
GES 6 LR 1/4	1/4"	6
GES 8 LR 1/8	1/8"	8
GES 8 LR	1/4"	8
GES 8 LR 3/8	3/8"	8
GES 10 LR	1/4"	10
GES 10 LR 3/8	3/8"	10
GES 10 LR 1/2	1/2"	10
GES 12 LR 1/4	1/4"	12
GES 12 LR	3/8"	12
GES 12 LR 1/2	1/2"	12
GES 15 LR	1/2"	15
GES 15 LR 3/4	3/4"	15
GES 18 LR	1/2"	18
GES 22 LR 1/2	1/2"	22
GES 22 LR	3/4"	22
GES 28 LR 3/4	3/4"	28
GES 28 LR	1"	28
GES 35 LR	1.1/4"	35
GES 42 LR	1.1/2"	42

Heavy-duty, Form B, BSPP

0350	Thread	OD mm
GES 6 SR	1/4"	6
GES 8 SR	1/4"	8
GES 8 SR 3/8	3/8"	8
GES 10 SR 1/4	1/4"	10
GES 10 SR	3/8"	10
GES 10 SR 1/2	1/2"	12
GES 12 SR 1/4	1/4"	12
GES 12 SR	3/8"	12
GES 12 SR 1/2	1/2"	12
GES 14 SR	1/2"	14
GES 16 SR 3/8	3/8"	16
GES 16 SR	1/2"	16
GES 16 SR 3/4	3/4"	16
GES 20 SR 1/2	1/2"	20
GES 20 SR	3/4"	20
GES 25 SR 3/4	3/4"	25
GES 25 SR	1"	25
GES 30 SR	1.1/4"	30
GES 38 SR 1.1/4	1.1/4"	38
GES 38 SR	1.1/2"	38



Light-duty, WD Seal, BSPP

0350	Thread	OD mm
GES 6 LR-WD	1/8"	6
GES 6 LR 1/4-WD	1/4"	6
GES 8 LR 1/8-WD	1/8"	8
GES 8 LR-WD	1/4"	8
GES 8 LR 3/8-WD	3/8"	8
GES 10 LR-WD	1/4"	10
GES 10 LR 3/8-WD	3/8"	10
GES 10 LR 1/2-WD	1/2"	10
GES 12 LR 1/4-WD	1/4"	12
GES 12 LR-WD	3/8"	12
GES 12 LR 1/2-WD	1/2"	12
GES 15 LR-WD	1/2"	15
GES 18 LR-WD	1/2"	18
GES 22 LR-WD	3/4"	22
GES 28 LR-WD	1"	28
GES 35 LR-WD	1.1/4"	35
GES 42 LR-WD	1.1/2"	42

Heavy-duty, WD Seal, BSPP

0350	Thread	OD mm
GES 6 SR-WD	1/4"	6
GES 8 SR-WD	1/4"	8
GES 8 SR 3/8-WD	3/8"	8
GES 10 SR 1/4-WD	1/4"	10
GES 10 SR-WD	3/8"	10
GES 10 SR 1/2-WD	1/2"	10
GES 12 SR 1/4-WD	1/4"	12
GES 12 SR-WD	3/8"	12
GES 12 SR 1/2-WD	1/2"	12
GES 14 SR-WD	1/2"	14
GES 16 SR 3/8-WD	3/8"	16
GES 16 SR-WD	1/2"	16
GES 16 SR 3/4-WD	3/4"	16
GES 20 SR-WD	3/4"	20
GES 25 SR 3/4-WD	3/4"	25
GES 25 SR-WD	1"	25
GES 30 SR-WD	1.1/4"	30
GES 38 SR-WD	1.1/2"	38



Light-duty, 60° Cone, BSPP

0350	Thread	OD mm
GES6 LRFOA	1/8"	6
GES6 LR 1/4FOA	1/4"	6
GES6 LR 3/8FOA	3/8"	6
GES8 LR 1/8FOA	1/8"	8
GES8 LRFOA	1/4"	8
GES8 LR 3/8FOA	3/8"	8
GES10 LRFOA	1/4"	10
GES10 LR 3/8FOA	3/8"	10
GES10 LR 1/2FOA	1/2"	10
GES12 LRFOA	3/8"	12
GES12 LR 1/4FOA	1/4"	12
GES12 LR 1/2FOA	1/2"	12
GES15 LR 3/8FOA	3/8"	15
GES15 LRFOA	1/2"	15
GES18 LRFOA	1/2"	18
GES18 LR 3/4FOA	3/4"	18
GES22 LR 1/2FOA	1/2"	22
GES22 LRFOA	3/4"	22
GES28 LR 3/4FOA	3/4"	28
GES28 LRFOA	1"	28

Heavy-duty, 60° Cone, BSPP

0350	Thread	OD mm
GES8 SRFOA	1/4"	8
GES10 SR 1/4FOA	1/4"	10
GES10 SRFOA	3/8"	10
GES12 SR 1/4FOA	1/4"	12
GES12 SRFOA	3/8"	12
GES12 SR 1/2FOA	1/2"	12
GES14 SRFOA	1/2"	14
GES16 SR 3/8FOA	3/8"	16
GES16 SRFOA	1/2"	16
GES16 SR 3/4FOA	3/4"	16
GES20 SR 1/2FOA	1/2"	20
GES20 SRFOA	3/4"	20
GES25 SR 3/4FOA	3/4"	25
GES25 SRFOA	1"	25
GES30 SR 1FOA	1"	30
GES35 LRFOA	1.1/4"	35
GES38 SR 1FOA	1"	38
GES38 SR 1.1/4FOA	1.1/4"	38

DIN 2353 BODY ONLY FITTINGS



Straight Coupling



Light-duty

0350	OD mm
GS 6 L	6
GS 8 L	8
GS 10 L	10
GS 12 L	12
GS 15 L	15
GS 18 L	18
GS 22 L	22
GS 28 L	28
GS 35 L	35
GS 42 L	42

Heavy-duty

0350	OD mm
GS 6 S	6
GS 8 S	8
GS 10 S	10
GS 12 S	12
GS 14 S	14
GS 16 S	16
GS 20 S	20
GS 25 S	25
GS 30 S	30
GS 38 S	38

Female Stud Coupling



Light-duty, BSPP

0350	Thread	OD mm
GAS 6 LR	1/8"	6
GAS 8 LR	1/4"	8
GAS 10 LR	1/4"	10
GAS 12 LR 1/4	1/4"	12
GAS 12 LR	3/8"	12
GAS 15 LR	1/2"	15
GAS 18 LR	1/2"	18
GAS 22 LR	3/4"	22
GAS 28 LR	1"	28
GAS 35 LR	1.1/4"	35
GAS 42 LR	1.1/2"	42

Straight Bulkhead Coupling



Light-duty

0350	OD mm
GSS 6 L	6
GSS 8 L	8
GSS 10 L	10
GSS 12 L	12
GSS 15 L	15
GSS 18 L	18
GSS 22 L	22
GSS 28 L	28
GSS 35 L	35
GSS 42 L	42

Heavy-duty

0350	OD mm
GSS 6 S	6
GSS 8 S	8
GSS 10 S	10
GSS 12 S	12
GSS 14 S	14
GSS 16 S	16
GSS 20 S	20
GSS 25 S	25
GSS 30 S	30
GSS 38 S	38

Equal Elbow



Light-duty

0350	OD mm
WS 6 L	6
WS 8 L	8
WS 10 L	10
WS 12 L	12
WS 15 L	15
WS 18 L	18
WS 22 L	22
WS 28 L	28
WS 35 L	35
WS 42 L	42

Heavy-duty

0350	OD mm
WS 6 S	6
WS 8 S	8
WS 12 S	12
WS 16 S	16
WS 20 S	20
WS 25 S	25
WS 30 S	30
WS 38 S	38

Equal Tee



Light-duty

0350	OD mm
TS 6 L	6
TS 8 L	8
TS 10 L	10
TS 12 L	12
TS 15 L	15
TS 18 L	18
TS 22 L	22
TS 28 L	28
TS 35 L	35
TS 42 L	42

Heavy-duty

0350	OD mm
TS 6 S	6
TS 8 S	8
TS 10 S	10
TS 12 S	12
TS 14 S	14
TS 16 S	16
TS 20 S	20
TS 25 S	25
TS 30 S	30
TS 38 S	38

DIN 2353 BODY ONLY FITTINGS



90° Swivel Elbow



Light-duty

0350	OD mm
EWSD 6 L	6
EWSD 8 L	8
EWSD 10 L	10
EWSD 12 L	12
EWSD 15 L	15
EWSD 18 L	18
EWSD 22 L	22
EWSD 28 L	28
EWSD 35 L	35
EWSD 42 L	42

Heavy-duty

0350	OD mm
EWSD 6 S	6
EWSD 8 S	8
EWSD 10 S	10
EWSD 12 S	12
EWSD 14 S	14
EWSD 16 S	16
EWSD 20 S	20
EWSD 25 S	25
EWSD 30 S	30
EWSD 38 S	38

45° Swivel Elbow



Light-duty

0350	OD mm
EWSD 45 6 L	6
EWSD 45 8 L	8
EWSD 45 10 L	10
EWSD 45 12 L	12
EWSD 45 15 L	15
EWSD 45 18 L	18
EWSD 45 22 L	22
EWSD 45 28 L	28
EWSD 45 35 L	35
EWSD 45 42 L	42

Heavy-duty

0350	OD mm
EWSD 45 6 S	6
EWSD 45 8 S	8
EWSD 45 10 S	10
EWSD 45 12 S	12
EWSD 45 16 S	16
EWSD 45 20 S	20
EWSD 45 25 S	25
EWSD 45 30 S	30
EWSD 45 38 S	38

Male Stud Elbow



Light-duty, BSPT

0350	Thread	OD mm
WES 6 LRK	1/8"	6
WES 6 LRK 1/4	1/4"	6
WES 8 LRK	1/4"	8
WES 10 LRK	1/4"	10
WES 10 LRK 3/8	3/8"	10
WES 12 LRK 1/4	1/4"	12
WES 12 LRK	3/8"	12
WES 15 LRK	1/2"	15
WES 18 LRK	1/2"	18

Heavy-duty, BSPT

0350	Thread	OD mm
WES 6 SRK	1/4"	6
WES 8 SRK	1/4"	8
WES 10 SRK	3/8"	10
WES 12 SRK	3/8"	12
WES 14 SRK	1/2"	14
WES 16 SRK	1/2"	16

Swivel Branch Tee



Light-duty

0350	OD mm
ETSD 6 L	6
ETSD 8 L	8
ETSD 10 L	10
ETSD 12 L	12
ETSD 15 L	15
ETSD 18 L	18
ETSD 22 L	22
ETSD 28 L	28
ETSD 35 L	35
ETSD 42 L	42

Heavy-duty

0350	OD mm
ETSD 6 S	6
ETSD 8 S	8
ETSD 10 S	10
ETSD 12 S	12
ETSD 14 S	14
ETSD 16 S	16
ETSD 20 S	20
ETSD 25 S	25
ETSD 30 S	30
ETSD 38 S	38

Swivel Run Tee



Light-duty

0350	OD mm
ELSD 6 L	6
ELSD 8 L	8
ELSD 10 L	10
ELSD 12 L	12
ELSD 15 L	15
ELSD 18 L	18
ELSD 22 L	22
ELSD 28 L	28
ELSD 35 L	35
ELSD 42 L	42

Heavy-duty

0350	OD mm
ELSD 6 S	6
ELSD 8 S	8
ELSD 10 S	10
ELSD 12 S	12
ELSD 14 S	14
ELSD 16 S	16
ELSD 20 S	20
ELSD 25 S	25
ELSD 30 S	30
ELSD 38 S	38



For Nuts & Olives
see pages 117-118

FLANGE COUPLINGS

Straight Flange Couplings

- O-Rings, spring washers and hexagon nuts must be purchased separately
- Comes complete with profile nut on!



35 Series

0350	OD mm	Max Pressure Bar
GFV10L35	10	315
GFV12L35	12	315
GFV15L35	15	250
GFV16L35	16	315

Tech Sheet 1705

40 Series

0350	OD mm	Max Pressure Bar
GFV15L40	15	100
GFV18L40	18	100
GFV22L40	22	100
GFV28L40	28	100

Tech Sheet 1705

55 Series

0350	OD mm	Max Pressure Bar
GFV20S55	20	250

Tech Sheet 1705

Elbow Flange Couplings



35 Series

0350	OD mm	Max Pressure Bar
WFF10L35	10	315
WFF12L35	12	315
WFF15L35	15	250
WFF16S35	16	315
WFF20S35	20	250

Tech Sheet 1706

40 Series

0350	OD mm	Max Pressure Bar
WFF15L40	15	100
WFF18L40	18	100
WFF22L40	22	100
WFF28L40	28	100
WFF35L40	35	100
WFF20S40	20	250

Tech Sheet 1706

55 Series

0350	OD mm	Max Pressure Bar
WFF22L55	22	100
WFF35L55	35	100
WFF42L55	42	100
WFF20S55	20	250
WFF25S55	25	250
WFF30S55	30	250

Tech Sheet 1706

O-Rings

- Sold as singles
- 1 required per unit



0350	To Suit
WAL610519	35 Series
WAL610499	40 Series
WAL610500	55 Series

Tech Sheet 1707

Spring Washers

- Sold as singles
- 4 required per unit



0350	To Suit
WAL020102	35/40 Series
WAL020104	55 Series

Hexagon Sockets

- Sold as singles
- 4 required per unit



0350	To Suit
WAL020309	35/40 Series
WAL020324	55 Series

Tech Sheet 1707



TOTAL

For Industrial Grade Hand Tools
see pages 1729-1741



VALVES

Non-return Valves

Tube to BSPP, Light-duty



0350	Thread	OD mm	Max Pressure Bar
RVV6LRWD	1/8"	6	400
RVV8LRWD	1/4"	8	400
RVV10LRWD	1/4"	10	400
RVV12LRWD	3/8"	12	400
RVV15LRWD	1/2"	15	400
RVV18LRWD	1/2"	18	400
RVV22LRWD	3/4"	22	250
RVV28LRWD	1"	28	250
RVV35LRWD	1.1/4"	35	250
RVV42LRWD	1.1/2"	42	250

Tech Sheet 1708

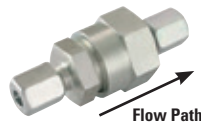
Tube to BSPP, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
RVV6SRWD	1/4"	6	400
RVV8SRWD	1/4"	8	400
RVV10SRWD	3/8"	10	400
RVV12SRWD	3/8"	12	400
RVV14SRWD	1/2"	14	400
RVV16SRWD	1/2"	16	400
RVV20SRWD	3/4"	20	400
RVV25SRWD	1"	25	250
RVV30SRWD	1.1/4"	30	250
RVV38SRWD	1.1/2"	38	250

Tech Sheet 1708

1 bar cracking pressure.

Tube to Tube, Light-duty



0350	OD mm	Max Pressure Bar
RV6L	6	400
RV8L	8	400
RV10L	10	400
RV12L	12	400
RV15L	15	400
RV18L	18	400
RV22L	22	250
RV28L	28	250
RV35L	35	250
RV42L	42	250

Tech Sheet 1709

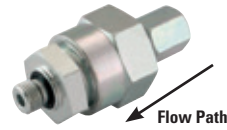
Tube to Tube, Heavy-duty

0350	OD mm	Max Pressure Bar
RV6S	6	400
RV8S	8	400
RV10S	10	400
RV12S	12	400
RV14S	14	400
RV16S	16	400
RV20S	20	400
RV25S	25	250
RV30S	30	250
RV38S	38	250

Tech Sheet 1709

Flow from tube to male

BSPP x Tube, Light-duty



0350	Thread	OD mm	Max Pressure Bar
RVZ6LRWD	1/8"	6	400
RVZ8LRWD	1/4"	8	400
RVZ10LRWD	1/4"	10	400
RVZ12LRWD	3/8"	12	400
RVZ15LRWD	1/2"	15	400
RVZ18LRWD	1/2"	18	400
RVZ22LRWD	3/4"	22	250
RVZ28LRWD	1"	28	250
RVZ35LRWD	1.1/4"	35	250
RVZ42LRWD	1.1/2"	42	250

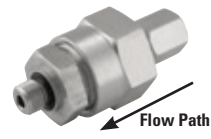
Tech Sheet 1710

BSPP x Tube, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
RVZ6SRWD	1/4"	6	400
RVZ8SRWD	1/4"	8	400
RVZ10SRWD	3/8"	10	400
RVZ12SRWD	3/8"	12	400
RVZ14SRWD	1/2"	14	400
RVZ16SRWD	1/2"	16	400
RVZ20SRWD	3/4"	20	400
RVZ25SRWD	1"	25	250
RVZ30SRWD	1.1/4"	30	250
RVZ38SRWD	1.1/2"	38	250

Tech Sheet 1710

Metric x Tube, Light-duty



0350	Thread	OD mm	Max Pressure Bar
RVZ6LMWD	M10 x 1	6	400
RVZ8LMWD	M12 x 1.5	8	400
RVZ10LMWD	M14 x 1.5	10	400
RVZ12LMWD	M16 x 1.5	12	400
RVZ15LMWD	M18 x 1.5	15	400
RVZ18LMWD	M22 x 1.5	18	400
RVZ22LMWD	M26 x 1.5	22	250
RVZ28LMWD	M33 x 2	28	250
RVZ35LMWD	M42 x 2	35	250
RVZ42LMWD	M48 x 2	42	250

Tech Sheet 1711

Metric x Tube, Heavy-duty

0350	Thread	OD mm	Max Pressure Bar
RVZ8SMWD	M14 x 1.5	8	400
RVZ10SMWD	M16 x 1.5	10	400
RVZ12SMWD	M18 x 1.5	12	400
RVZ14SMWD	M20 x 1.5	14	400
RVZ16SMWD	M22 x 1.5	16	400
RVZ20SMWD	M27 x 2	20	400
RVZ25SMWD	M33 x 2	25	250
RVZ30SMWD	M42 x 2	30	250
RVZ38SMWD	M48 x 2	38	250

Tech Sheet 1711

Shuttle Valves



Ball Seat, Light-duty

0350	OD mm	Max Pressure Bar
TWV8L	8	250
TWV10L	10	250
TWV12L	12	250

Tech Sheet 1712

VALVES



Compression Ball Valves

Tube connection both ends. The ball seal is pre-loaded, which ensures tight sealing even at lower pressures. Owing to the ball's floating position, any rise in pressure will progressively push the ball closer to the seal. Handles can be fitted in any position at 45° angles.



Light-duty

0350	OD mm	Max Pressure Bar
KHV6L	6	400
KHV8L	8	400
KHV10L	10	400
KHV12L	12	400
KHV15L	15	400
KHV18L	18	400
KHV22L	22	250
KHV28L	28	250
KHV35L	35	250
KHV42L	42	210

Tech Sheet 1713

Heavy-duty

0350	OD mm	Max Pressure Bar
KHV8S	8	500
KHV10S	10	500
KHV12S	12	500
KHV14S	14	500
KHV16S	16	500
KHV20S	20	500
KHV25S	25	400
KHV30S	30	315
KHV38S	38	315

Tech Sheet 1713

Compression L Ported Ball Valves

Tube connection all ports.

Warning: Port A must always be in the open position. Pressure may only be applied from this side. Application of pressure through the other ports is not permissible and may cause malfunction.



L Ported, Light-duty

0350	OD mm	Max Pressure Bar
KH3KV8L-LPORT	8	400
KH3KV10L-LPORT	10	400
KH3KV12L-LPORT	12	350
KH3KV15L-LPORT	15	350

Tech Sheet 1714

Compression T Ported Ball Valves



T Ported, Light-duty

0350	OD mm	Max Pressure Bar
KH3KV10L-TPORT	10	400
KH3KV12L-TPORT	12	350
KH3KV15L-TPORT	15	350

Tech Sheet 1714

STANDPIPE ADAPTORS



Metric Standpipe Adaptors, Mild Steel, BSPP

L Series

0023	Thread	OD mm
2101-7991	1/8"	6
2101-8007	1/4"	8
2135-2869	3/8"	8
2135-2885	1/8"	10
2101-8023	1/4"	10
2135-2893	1/4"	12
2101-8031	3/8"	12
2135-2901	1/2"	12
2135-3206	3/8"	15
2135-3214	3/8"	18
2135-3222	3/4"	18
2101-8049	1/2"	15
2101-8064	1/2"	18
2101-8072	3/4"	22
2135-3230	3/4"	28
2101-8080	1"	28
2101-8098	1.1/4"	35
2101-8114	1.1/2"	42

BSPP Threads internal 60° coned as standard.

S Series

0023	Thread	OD mm
2101-8122	1/4"	6
2101-8130	1/4"	8
2135-3321	3/8"	8
2101-8148	3/8"	10
2135-3339	1/4"	12
2101-8163	3/8"	12
2135-3347	1/2"	12
2101-8189	1/2"	14
2135-3354	3/8"	16
2101-8197	1/2"	16



0023	Thread	OD mm
2135-3362	3/4"	16
2135-3388	1/2"	20
2101-8205	3/4"	20
2135-3396	1"	20
2135-3404	3/4"	25
2101-8213	1"	25
2135-3412	1"	30
2101-8221	1.1/4"	30
2101-8239	1.1/2"	38

HIGH PRESSURE METRIC TUBE COUPLINGS



Benefits:

- Leak free O-Ring seal
- Safe joint every time
- Low tightening torque and clamping force rises with the internal pressure
- Low installed cost, no welding (so inert gas purging, NDT and excessive flushing are not required), minimal tube preparation and no special assembly equipment required
- Demountable and reusable, can be used with most tube materials



Working Temperature:

Nitrile: -40°C to +100°C
Viton: -20°C to +150°C

Features:

- Body – mild steel, stainless steel or cupro-nickel. Compatible with most fluids and environments. Locates O-Ring and tube.
- O-Ring – nitrile, FPM (Viton), EP or FEP encapsulated FPM. Compatible with most fluids. Highly resistant to leakage even under severe vibration, pressure pulsation and temperature cycling. Provides diametric seal between tube OD and body cavity.
- Nut – mild steel, stainless steel or cupro-nickel. Compatible with most environments. Closes split collet and retains sealing mechanism.
- Back-up washer – mild steel, stainless steel, or cupro-nickel. Provides additional support from the tube and locates the O-Ring.
- Split collet – mild steel, stainless steel or cupro-nickel. Clamping force rises with pressure. Large clamping area ensures minimal deformation of the tube. Retains tube in position.



Maximum Working Pressure:

6mm to 22mm: 680 bar
25mm to 50mm: 500 bar

Technical:

- 3:1 safety factor
- Derate by 50% for high pressure gas systems
- Pressure ratings based on the tube OD tolerance to BS3602 and DIN2391C

All fittings also available in the following materials upon request:

- Stainless steel
- Cupro-nickel

Seals available on request:

- EP (ethylene propylene)
- FEP encapsulated FPM

All fittings supplied with Nitrile seals as standard.

Straight Couplings



Tube x Tube

0459	OD mm
KRAM6CR	6
KRAM8CR	8
KRAM10CR	10
KRAM12CR	12
KRAM16CR	16
KRAM20CR	20
KRAM22CR	22
KRAM25CR	25
KRAM30CR	30
KRAM38CR	38
KRAM50CR	50

Tech Sheet 20544

Equal Bulkheads



Tube x Tube

0459	OD mm
KRAM6BPR	6
KRAM8BPR	8
KRAM10BPR	10
KRAM12BPR	12
KRAM16BPR	16
KRAM20BPR	20
KRAM22BPR	22
KRAM25BPR	25
KRAM30BPR	30
KRAM38BPR	38
KRAM50BPR	50

Tech Sheet 20545

Reducing Branch Tees



Tube x Tube

0459	OD mm	OD mm
KRAM12-M8ROTR	12	8
KRAM16-M8ROTR	16	8
KRAM20-M8ROTR	20	8
KRAM25-M12ROTR	25	12
KRAM25-M16ROTR	25	16
KRAM30-M16ROTR	30	16
KRAM38-M20ROTR	38	20

Tech Sheet 20548

Equal Elbows



Tube x Tube

0459	OD mm
KRAM6ER	6
KRAM8ER	8
KRAM10ER	10
KRAM12ER	12
KRAM16ER	16
KRAM20ER	20
KRAM22ER	22
KRAM25ER	25
KRAM30ER	30
KRAM38ER	38
KRAM50ER	50

Tech Sheet 20546

Equal Tees



Tube x Tube

0459	OD mm
KRAM6TR	6
KRAM8TR	8
KRAM10TR	10
KRAM12TR	12
KRAM16TR	16
KRAM20TR	20
KRAM22TR	22
KRAM25TR	25
KRAM30TR	30
KRAM38TR	38
KRAM50TR	50

Tech Sheet 20547

Minimum order quantity on selected items may apply

HIGH PRESSURE METRIC TUBE COUPLINGS



Male Stud Couplings



BSPP

0459	OD mm	Thread
KRAM6-2MSCR	6	1/8"
KRAM6-4MSCR	6	1/4"
KRAM6-6MSCR	6	3/8"
KRAM8-2MSCR	8	1/8"
KRAM8-4MSCR	8	1/4"
KRAM8-6MSCR	8	3/8"
KRAM10-4MSCR	10	1/4"
KRAM10-6MSCR	10	3/8"
KRAM10-8MSCR	10	1/2"
KRAM12-4MSCR	12	1/4"
KRAM12-6MSCR	12	3/8"
KRAM12-8MSCR	12	1/2"
KRAM12-12MSCR	12	3/4"
KRAM16-6MSCR	16	3/8"
KRAM16-8MSCR	16	1/2"
KRAM16-12MSCR	16	3/4"
KRAM20-8MSCR	20	1/2"
KRAM20-12MSCR	20	3/4"
KRAM20-16MSCR	20	1"
KRAM25-12MSCR	25	3/4"
KRAM25-16MSCR	25	1"
KRAM25-20MSCR	25	1.1/4"
KRAM30-16MSCR	30	1"
KRAM30-20MSCR	30	1.1/4"
KRAM38-16MSCR	38	1"
KRAM38-20MSCR	38	1.1/4"
KRAM38-24MSCR	38	1.1/2"
KRAM50-20MSCR	50	1.1/4"
KRAM50-24MSCR	50	1.1/2"
KRAM50-32MSCR	50	2"

Tech Sheet 20549

Male Stud Bulkheads



BSPP

0459	OD mm	Thread
KRAM8-4BHR	8	1/4"
KRAM10-6BHR	10	3/8"
KRAM12-6BHR	12	3/8"
KRAM16-8BHR	16	1/2"
KRAM20-12BHR	20	3/4"
KRAM25-16BHR	25	1"
KRAM38-20BHR	38	1.1/4"
KRAM38-24BHR	38	1.1/2"

Tech Sheet 20555

Female Stud Couplings



BSPP

0459	OD mm	Thread
KRAM6-4FSCR	6	1/4"
KRAM8-6FSCR	8	3/8"
KRAM12-6FSCR	12	3/8"
KRAM16-8FSCR	16	1/2"
KRAM20-12FSCR	20	3/4"
KRAM25-16FSCR	25	1"
KRAM30-20FSCR	30	1.1/4"
KRAM38-24FSCR	38	1.1/2"
KRAM50-32FSCR	50	2"

Tech Sheet 20550

Banjos



BSPP

0459	OD mm	Thread
KRAM6-4BJR	6	1/4"
KRAM8-4BJR	8	1/4"
KRAM10-6BJR	10	3/8"
KRAM12-6BJR	12	3/8"
KRAM16-8BJR	16	1/2"
KRAM20-12BJR	20	3/4"
KRAM25-16BJR	25	3/4"
KRAM30-20BJR	30	1.1/4"
KRAM38-24BJR	38	1.1/2"

Tech Sheet 20556

Female Branch Tees



BSPP

0459	OD mm	Thread
KRAM10-6FOTR	10	3/8"
KRAM12-6FOTR	12	3/8"
KRAM16-8FOTR	16	1/2"
KRAM30-20FOTR	30	1.1/4"
KRAM38-20FOTR	38	1.1/4"
KRAM38-24FOTR	38	1.1/2"
KRAM50-24FOTR	50	1.1/2"

Tech Sheet 20551

Breakaway Adaptors

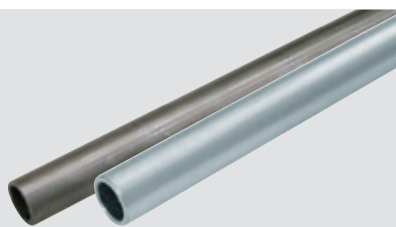


OD

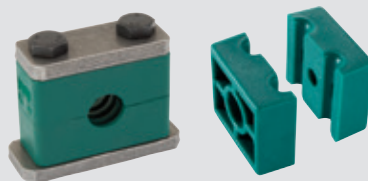
0459	OD mm
KRAM8BCR	8
KRAM10BCR	10
KRAM12BCR	12
KRAM16BCR	16
KRAM20BCR	20
KRAM22BCR	22
KRAM25BCR	25
KRAM30BCR	30
KRAM38BCR	38
KRAM50BCR	50

Tech Sheet 20552

You might also need
Hydraulic Tubing
see pages 179-183



For **Hydraulic Tube Clamps**
see pages 184-200



Minimum order quantity on selected items may apply

HIGH PRESSURE METRIC TUBE COUPLINGS



Reducing Nut Adaptors



Tube x Tube

0459	OD mm	OD mm
KRAM10-M6RNR	10	6
KRAM10-M8RNR	10	8
KRAM12-M8RNR	12	8
KRAM12-M10RNR	12	10
KRAM16-M8RNR	16	8
KRAM16-M12RNR	16	12
KRAM20-M10RNR	20	10
KRAM20-M12RNR	20	12
KRAM20-M16RNR	20	16
KRAM25-M12RNR	25	12
KRAM25-M16RNR	25	16
KRAM25-M20RNR	25	20
KRAM30-M25RNR	30	25
KRAM38-M20RNR	38	20
KRAM38-M25RNR	38	25
KRAM38-M30RNR	38	30
KRAM50-M25RNR	50	25
KRAM50-M30RNR	50	30
KRAM50-M38RNR	50	38

Tech Sheet 20557

Blanking End Plugs



OD

0459	OD mm
KRM6BPGR	6
KRM8BPGR	8
KRM10BPGR	10
KRM20BPGR	20
KRM22BPGR	22
KRM25BPGR	25
KRM30BPGR	30
KRM38BPGR	38
KRM50BPGR	50

Tech Sheet 20553

Washers



OD

0459	OD mm
KRM6W	6
KRM8W	8
KRM10W	10
KRM12W	12
KRM16W	16
KRM20W	20
KRM22W	22
KRM25W	25
KRM30W	30
KRM38W	38
KRM50W	50

Tech Sheet 20553

Collets



OD

0459	OD mm
KRM6R	6
KRM8R	8
KRM10R	10
KRM12R	12
KRM16R	16
KRM20R	20
KRM22R	22
KRM25R	25
KRM30R	30
KRM38R	38
KRM50R	50

Tech Sheet 20553

Nuts



OD

0459	OD mm
KRM6NCR	6
KRM8NCR	8
KRM10NCR	10
KRM12NCR	12
KRM16NCR	16
KRM20NCR	20
KRM22NCR	22
KRM25NCR	25
KRM30NCR	30
KRM38NCR	38
KRM50NCR	50

Tech Sheet 20553

O-Rings



Viton

0459	OD mm
KR200-010-9790	6
KR200-011-9790	8
KR200-613-9790	10
KR200-614-9790	12
KR200-114-9790	16
KR200-211-9790	20
KR200-212-9790	22
KR200-214-9790	25
KR200-217-9790	30
KR200-222-9790	38
KR207-071-9790	50

Tech Sheet 20554

Nitrile

0459	OD mm
KR200-010-4490	6
KR200-011-4490	8
KR200-613-4490	10
KR200-614-4490	12
KR200-114-4490	16
KR200-211-4490	20
KR200-212-4490	22
KR200-214-4490	25
KR200-217-4490	30
KR200-222-4490	38
KR207-071-4490	50

Tech Sheet 20554

Minimum order quantity on selected items may apply

HYDRAULIC IMPERIAL COMPRESSION FITTINGS

Steel Fittings for O.D. & N.B.



Nuts O.D. Tube

0023	OD
N4	1/4"
N6	3/8"
N8	1/2"
N10	5/8"
N12	3/4"
N14	7/8"
N16	1"
N20	1.1/4"

Tech Sheet 20133



Nuts N.B. Tube

0023	OD
NN4	1/4"
NN6	3/8"
NN8	1/2"
NN12	3/4"
NN16	1"
NN20	1.1/4"

Tech Sheet 20133



Ferrules N.B. Tube

0023	NB
NF4	1/4"
NF6	3/8"
NF8	1/2"
NF12	3/4"
NF16	1"
NF20	1.1/4"

Tech Sheet 20133



Ferrules O.D. Tube

0023	NB
F4	1/4"
F5	5/16"
F6	3/8"
F8	1/2"
F10	5/8"
F12	3/4"
F16	1"
F20	1.1/4"
F24	1.1/2"

Tech Sheet 20133

Technical Data:

1" O.D. 690 bar (10,000 psi) hydraulic or 345 bar (5,000 psi) gas.
 1.1/4" O.D. 552 bar (8,000 psi) hydraulic or 276 bar (4,000 psi) gas.

N.B. Couplings are suitable for the following pressures, up to and including:

3/4" N.B. 690 bar (10,000 psi) hydraulic or 345 bar (5,000 psi) gas.
 1" N.B. 552 bar (8,000 psi) hydraulic or 276 bar (4,000 psi) gas.
 1.1/2" N.B. 345 bar (5,000 psi) hydraulic or 173 bar (2,500 psi) gas.



Straight Couplings O.D. Tube

0023	OD
SC4	1/4"
SC5	5/16"
SC6	3/8"
SC8	1/2"
SC10	5/8"
SC12	3/4"
SC14	7/8"
SC16	1"
SC20	1.1/4"

Tech Sheet 20134



Straight Couplings N.B. Tube

0023	NB
NSC4	1/4"
NSC6	3/8"
NSC8	1/2"
NSC12	3/4"
NSC16	1"
NSC24	1.1/2"

Tech Sheet 20134



BSPP Female Stud Couplings O.D. Tube

0023	OD	Thread
FC4-4	1/4"	1/4"
FC6-4	3/8"	1/4"
FC6-6	3/8"	3/8"
FC6-8	3/8"	1/2"
FC8-4	1/2"	1/4"
FC8-6	1/2"	3/8"
FC8-8	1/2"	1/2"
FC10-8	5/8"	1/2"
FC12-12	3/4"	3/4"
FC14-12	7/8"	3/4"
FC16-16	1"	1"
FC20-20	1.1/4"	1.1/4"
FC24-24	1.1/2"	1.1/2"

Tech Sheet 20135



BSPP Female Stud Couplings N.B. Tube

0023	NB	Thread
NFC4-2	1/4"	1/8"
NFC4-8	1/4"	1/2"
NFC6-8	3/8"	1/2"
NFC8-6	1/2"	3/8"
NFC8-8	1/2"	1/2"
NFC8-12	1/2"	3/4"
NFC16-16	1"	1"

Tech Sheet 20135



BSPP Male Stud Couplings O.D. Tube

0023	OD	Thread
MC4-2	1/4"	1/8"
MC4-4	1/4"	1/4"
MC4-6	1/4"	3/8"
MC6-4	3/8"	1/4"
MC6-6	3/8"	3/8"
MC6-8	3/8"	1/2"
MC8-4	1/2"	1/4"
MC8-6	1/2"	3/8"
MC8-8	1/2"	1/2"
MC8-12	1/2"	3/4"
MC10-8	5/8"	1/2"
MC10-12	5/8"	3/4"
MC12-8	3/4"	1/2"
MC12-12	3/4"	3/4"
MC14-12	7/8"	3/4"
MC16-12	1"	3/4"
MC16-16	1"	1"
MC16-20	1"	1.1/4"
MC20-16	1.1/4"	1"
MC20-20	1.1/4"	1.1/4"
MC20-24	1.1/4"	1.1/2"
MC24-20	1.1/2"	1.1/4"
MC24-24	1.1/2"	1.1/2"

Tech Sheet 20136

HYDRAULIC IMPERIAL COMPRESSION FITTINGS



Steel Fittings for O.D. & N.B.

BSPP Male Stud Couplings N.B. Tube



0023	NB	Thread
NMC4-4	1/4"	1/4"
NMC4-6	1/4"	3/8"
NMC6-4	3/8"	1/4"
NMC6-6	3/8"	3/8"
NMC8-6	1/2"	3/8"
NMC8-8	1/2"	1/2"
NMC8-12	1/2"	3/4"
NMC8-16	1/2"	1"
NMC12-12	3/4"	3/4"
NMC16-12	1"	3/4"
NMC16-16	1"	1"
NMC16-20	1"	1.1/4"
NMC20-16	1.1/4"	1"
NMC20-20	1.1/4"	1.1/4"
NMC24-24	1.1/2"	1.1/2"

Tech Sheet 20137

BSPT Male Stud Couplings O.D. Tube



0023	OD	Thread
MC4-4T	1/4"	1/4"
MC6-4T	3/8"	1/4"
MC6-6T	3/8"	3/8"
MC8-4T	1/2"	1/4"
MC8-6T	1/2"	3/8"
MC8-8T	1/2"	1/2"
MC10-8T	5/8"	1/2"
MC12-8T	3/4"	1/2"
MC12-12T	3/4"	3/4"
MC16-12T	1"	3/4"
MC16-16T	1"	1"
MC20-16T	1.1/4"	1"
MC24-24T	1.1/2"	1.1/2"

Tech Sheet 20138

BSPT Male Stud Couplings N.B. Tube



0023	NB	Thread
NMC4-4T	1/4"	1/4"
NMC4-8T	1/4"	1/2"
NMC6-6T	3/8"	3/8"
NMC8-6T	1/2"	3/8"
NMC8-8T	1/2"	1/2"
NMC8-12T	1/2"	3/4"
NMC12-12T	3/4"	3/4"
NMC12-16T	3/4"	1"
NMC16-16T	1"	1"
NMC20-20T	1.1/4"	1.1/4"
NMC24-24T	1.1/2"	1.1/2"

Tech Sheet 20139

BSPT Male Stud Elbows O.D. Tube



0023	OD	Thread
ME4-2T	1/4"	1/8"
ME4-4T	1/4"	1/4"
ME6-4T	3/8"	1/4"
ME6-6T	3/8"	3/8"
ME8-6T	1/2"	3/8"
ME12-8T	3/4"	1/2"
ME16-12T	1"	3/4"
ME16-16T	1"	1"

Tech Sheet 20140

BSPP Male Stud Elbows N.B. Tube



0023	NB	Thread
NME6-6	3/8"	3/8"
NME8-8	1/2"	1/2"

Tech Sheet 20141

BSPP Male Stud Elbows O.D. Tube



0023	OD	Thread
ME4-2	1/4"	1/8"
ME4-4	1/4"	1/4"
ME8-6	1/2"	3/8"
ME8-8	1/2"	1/2"
ME10-8	5/8"	1/2"
ME12-8	3/4"	1/2"
ME12-12	3/4"	3/4"

Tech Sheet 20141

Equal Elbows O.D. Tube



0023	OD
E4	1/4"
E5	5/16"
E6	3/8"
E8	1/2"
E10	5/8"
E12	3/4"
E14	7/8"
E16	1"
E20	1.1/4"
E24	1.1/2"

Tech Sheet 20143

Bulkhead Couplings O.D. Tube



0023	OD
BH6	3/8"
BH8	1/2"
BH10	5/8"
BH12	3/4"

Tech Sheet 20144

BSPP Banjo Couplings O.D. Tube



0023	OD	Thread
BJ4-4	1/4"	1/4"
BJ6-4	3/8"	1/4"
BJ6-6	3/8"	3/8"
BJ8-6	1/2"	3/8"
BJ8-8	1/2"	1/2"
BJ10-8	5/8"	1/2"

Tech Sheet 20146

Equal Tees O.D. Tube



0023	OD
T4	1/4"
T5	5/16"
T6	3/8"
T8	1/2"
T12	3/4"
T16	1"
T24	1.1/2"

Tech Sheet 20145

HYDRAULIC IMPERIAL COMPRESSION FITTINGS

Steel Fittings for O.D. & N.B.



BSPT Male Stud Elbows N.B. Tube

0023	NB	Thread
NME4-4T	1/4"	1/4"
NME4-6T	1/4"	1/8"
NME6-6T	3/8"	3/8"

Tech Sheet 20140



Equal Elbows N.B. Tube

0023	NB
NE4	1/4"
NE6	3/8"
NE8	1/2"
NE12	3/4"
NE16	1"
NE20	1.1/4"

Tech Sheet 20143



BSPP Banjo Couplings N.B. Tube

0023	NB	Thread
NBJ2-2	1/8"	1/8"
NBJ8-8	1/2"	1/2"

Tech Sheet 20146



Equal Tees N.B. Tube

0023	NB
NT4	1/4"
NT6	3/8"
NT8	1/2"
NT12	3/4"
NT20	1.1/4"
NT24	1.1/2"

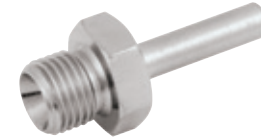
Tech Sheet 20145



BSPP Male Stud Standpipe Adaptors N.B. Fitting

0023	NB	Thread
NSA4-4	1/4"	1/4"
NSA6-4	1/4"	3/8"
NSA6-6	3/8"	3/8"
NSA8-6	3/8"	1/2"
NSA8-8	1/2"	1/2"
NSA12-8	1/2"	3/4"
NSA12-12	3/4"	3/4"
NSA12-16	1"	3/4"
NSA16-16	1"	1"
NSA16-20	1.1/4"	1"
NSA20-16	1"	1.1/4"
NSA20-20	1.1/4"	1.1/4"

Tech Sheet 20148



BSPP Male Stud Standpipe Adaptors O.D. Fitting

0023	OD	Thread
SA4-4	1/4"	1/4"
SA4-6	3/8"	1/4"
SA6-6	3/8"	3/8"
SA6-8	1/2"	3/8"
SA8-8	1/2"	1/2"
SA8-12	3/4"	1/2"
SA12-12	3/4"	3/4"
SA12-16	1"	3/4"
SA16-16	1"	1"
SA20-20	1.1/4"	1.1/4"

Tech Sheet 20148



Blanking Plugs O.D. Tube

0023	OD
BP4	1/4"
BP6	3/8"
BP8	1/2"
BP12	3/4"
BP20	1.1/4"

Tech Sheet 20149

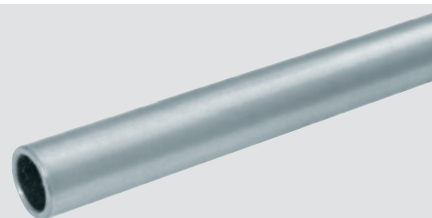


Blanking Plugs N.B. Tube

0023	NB
NBP4	1/4"
NBP6	3/8"
NBP8	1/2"
NBP12	3/4"

Tech Sheet 20149

You might also need
Imperial Hydraulic Tubing
see page **182**



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

Male Stud Couplings



L Series, BSPP (Captive Seal)

0291	OD mm	Thread
GE-6L-2EO	6	1/8"
GE-6L-4EO	6	1/4"
GE-6L-6EO	6	3/8"
GE-6L-8EO	6	1/2"
GE-8L-2EO	8	1/8"
GE-8L-4EO	8	1/4"
GE-8L-6EO	8	3/8"
GE-8L-8EO	8	1/2"
GE-10L-2EO	10	1/8"
GE-10L-4EO	10	1/4"
GE-10L-6EO	10	3/8"
GE-10L-8EO	10	1/2"
GE-10L-12EO	10	3/4"
GE-12L-2EO	12	1/8"
GE-12L-4EO	12	1/4"
GE-12L-6EO	12	3/8"
GE-12L-8EO	12	1/2"
GE-12L-12EO	12	3/4"
GE-15L-4EO	15	1/4"
GE-15L-6EO	15	3/8"
GE-15L-8EO	15	1/2"
GE-15L-12EO	15	3/4"
GE-15L-16EO	15	1"
GE-18L-6EO	18	3/8"
GE-18L-8EO	18	1/2"
GE-18L-12EO	18	3/4"
GE-18L-16EO	18	1"
GE-22L-6EO	22	3/8"
GE-22L-8EO	22	1/2"
GE-22L-12EO	22	3/4"
GE-22L-16EO	22	1"
GE-22L-20EO	22	1.1/4"
GE-28L-8EO	28	1/2"
GE-28L-12EO	28	3/4"
GE-28L-16EO	28	1"
GE-28L-20EO	28	1.1/4"
GE-28L-24EO	28	1.1/2"
GE-35L-12EO	35	3/4"
GE-35L-16EO	35	1"
GE-35L-20EO	35	1.1/4"
GE-35L-24EO	35	1.1/2"
GE-42L-16EO	42	1"
GE-42L-20EO	42	1.1/4"
GE-42L-24EO	42	1.1/2"
GE-42L-32EO	42	2"

Tech Sheet 10585

S Series, BSPP (Captive Seal)

0291	OD mm	Thread
GE-6S-2EO	6	1/8"
GE-6S-4EO	6	1/4"
GE-6S-6EO	6	3/8"
GE-6S-8EO	6	1/2"
GE-8S-2EO	8	1/8"
GE-8S-4EO	8	1/4"
GE-8S-6EO	8	3/8"
GE-8S-8EO	8	1/2"
GE-10S-2EO	10	1/8"
GE-10S-4EO	10	1/4"
GE-10S-6EO	10	3/8"
GE-10S-8EO	10	1/2"
GE-10S-12EO	10	3/4"
GE-12S-4EO	12	1/4"
GE-12S-6EO	12	3/8"
GE-12S-8EO	12	1/2"
GE-12S-12EO	12	3/4"
GE-14S-6EO	14	3/8"
GE-14S-8EO	14	1/2"
GE-14S-12EO	14	3/4"
GE-16S-4EO	16	1/4"
GE-16S-6EO	16	3/8"
GE-16S-8EO	16	1/2"
GE-16S-12EO	16	3/4"
GE-16S-16EO	16	1"
GE-20S-6EO	20	3/8"
GE-20S-8EO	20	1/2"
GE-20S-12EO	20	3/4"
GE-20S-16EO	20	1"
GE-20S-20EO	20	1.1/4"
GE-25S-8EO	25	1/2"
GE-25S-12EO	25	3/4"
GE-25S-16EO	25	1"
GE-25S-20EO	25	1.1/4"
GE-30S-12EO	30	3/4"
GE-30S-16EO	30	1"
GE-30S-20EO	30	1.1/4"
GE-30S-24EO	30	1.1/2"
GE-38S-16EO	38	1"
GE-38S-20EO	38	1.1/4"
GE-38S-24EO	38	1.1/2"

Tech Sheet 10585

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series, Metric (Captive Seal)

0291	OD mm	Thread
GE-6L-10MEO	6	M10 x 1
GE-6L-12MEO	6	M12 x 1.5
GE-6L-14MEO	6	M14 x 1.5
GE-8L-10MEO	8	M10 x 1.0
GE-8L-12MEO	8	M12 x 1.5
GE-8L-14MEO	8	M14 x 1.5
GE-8L-16MEO	8	M16 x 1.5
GE-8L-18MEO	8	M18 x 1.5
GE-10L-10MEO	10	M10 x 1.0
GE-10L-12MEO	10	M12 x 1.5
GE-10L-14MEO	10	M14 x 1.5
GE-10L-16MEO	10	M16 x 1.5
GE-10L-18MEO	10	M18 x 1.5
GE-10L-22MEO	10	M22 x 1.5
GE-12L-12MEO	12	M12 x 1.5
GE-12L-14MEO	12	M14 x 1.5
GE-12L-16MEO	12	M16 x 1.5
GE-12L-18MEO	12	M18 x 1.5
GE-12L-22MEO	12	M22 x 1.5
GE-15L-16MEO	15	M16 x 1.5
GE-15L-18MEO	15	M18 x 1.5
GE-15L-22MEO	15	M22 x 1.5
GE-18L-18MEO	18	M18 x 1.5
GE-18L-22MEO	18	M22 x 1.5
GE-18L-26MEO	18	M26 x 1.5
GE-22L-22MEO	22	M22 x 1.5
GE-22L-26MEO	22	M26 x 1.5
GE-28L-33MEO	28	M33 x 2
GE-35L-42MEO	35	M42 x 2.0
GE-42L-48MEO	42	M48 x 2.0

Tech Sheet 10586

S Series, Metric (Captive Seal)

0291	OD mm	Thread
GE-6S-12MEO	6	M12 x 1.5
GE-6S-14MEO	6	M14 x 1.5
GE-8S-12MEO	8	M12 x 1.5
GE-8S-14MEO	8	M14 x 1.5
GE-8S-16MEO	8	M16 x 1.5
GE-10S-14MEO	10	M14 x 1.5
GE-10S-16MEO	10	M16 x 1.5
GE-10S-18MEO	10	M18 x 1.5
GE-12S-14MEO	12	M14 x 1.5
GE-12S-16MEO	12	M16 x 1.5
GE-12S-18MEO	12	M18 x 1.5
GE-12S-20MEO	12	M20 x 1.5
GE-12S-22MEO	12	M22 x 1.5
GE-14S-20MEO	14	M20 x 1.5
GE-14S-22MEO	14	M22 x 1.5
GE-16S-18MEO	16	M18 x 1.5
GE-16S-22MEO	16	M22 x 1.5
GE-20S-27MEO	20	M27 x 2
GE-25S-33MEO	25	M33 x 2
GE-30S-42MEO	30	M42 x 2
GE-38S-48MEO	38	M48 x 2

Tech Sheet 10586

For Bonded Seals
see pages 109-112



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Male Stud Couplings



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series, BSPP, Form B Sealing

0291	OD mm	Thread
GE-6L-2RP	6	1/8"
GE-6L-4RP	6	1/4"
GE-6L-6RP	6	3/8"
GE-6L-8RP	6	1/2"
GE-8L-2RP	8	1/8"
GE-8L-4RP	8	1/4"
GE-8L-6RP	8	3/8"
GE-8L-8RP	8	1/2"
GE-10L-2RP	10	1/8"
GE-10L-4RP	10	1/4"
GE-10L-6RP	10	3/8"
GE-10L-8RP	10	1/2"
GE-10L-12RP	10	3/4"
GE-12L-2RP	12	1/8"
GE-12L-4RP	12	1/4"
GE-12L-6RP	12	3/8"
GE-12L-8RP	12	1/2"
GE-12L-12RP	12	3/4"
GE-15L-4RP	15	1/4"
GE-15L-6RP	15	3/8"
GE-15L-8RP	15	1/2"
GE-15L-12RP	15	3/4"
GE-18L-6RP	18	3/8"
GE-18L-8RP	18	1/2"
GE-18L-12RP	18	3/4"
GE-18L-16RP	18	1"
GE-22L-6RP	22	3/8"
GE-22L-8RP	22	1/2"
GE-22L-12RP	22	3/4"
GE-22L-16RP	22	1"
GE-22L-20RP	22	1.1/4"
GE-28L-8RP	28	1/2"
GE-28L-12RP	28	3/4"
GE-28L-16RP	28	1"
GE-28L-20RP	28	1.1/4"
GE-28L-24RP	28	1.1/2"
GE-35L-12RP	35	3/4"
GE-35L-16RP	35	1"
GE-35L-20RP	35	1.1/4"
GE-35L-24RP	35	1.1/2"
GE-42L-16RP	42	1"
GE-42L-20RP	42	1.1/4"
GE-42L-24RP	42	1.1/2"

Tech Sheet 20796

S Series, BSPP, Form B Sealing

0291	OD mm	Thread
GE-6S-2RP	6	1/8"
GE-6S-4RP	6	1/4"
GE-6S-6RP	6	3/8"
GE-6S-8RP	6	1/2"
GE-8S-2RP	8	1/8"
GE-8S-4RP	8	1/4"
GE-8S-6RP	8	3/8"
GE-8S-8RP	8	1/2"
GE-10S-2RP	10	1/8"
GE-10S-4RP	10	1/4"
GE-10S-6RP	10	3/8"
GE-10S-8RP	10	1/2"
GE-10S-12RP	10	3/4"
GE-12S-4RP	12	1/4"
GE-12S-6RP	12	3/8"
GE-12S-8RP	12	1/2"
GE-12S-12RP	12	3/4"
GE-14S-4RP	14	1/4"
GE-14S-6RP	14	3/8"
GE-14S-8RP	14	1/2"
GE-14S-12RP	14	3/4"
GE-16S-4RP	16	1/4"
GE-16S-6RP	16	3/8"
GE-16S-8RP	16	1/2"
GE-16S-12RP	16	3/4"
GE-16S-16RP	16	1"
GE-20S-6RP	20	3/8"
GE-20S-8RP	20	1/2"
GE-20S-12RP	20	3/4"
GE-20S-16RP	20	1"
GE-20S-20RP	20	1.1/4"
GE-25S-8RP	25	1/2"
GE-25S-12RP	25	3/4"
GE-25S-16RP	25	1"
GE-25S-20RP	25	1.1/4"
GE-30S-12RP	30	3/4"
GE-30S-16RP	30	1"
GE-30S-20RP	30	1.1/4"
GE-30S-24RP	30	1.1/2"
GE-38S-16RP	38	1"
GE-38S-20RP	38	1.1/4"
GE-38S-24RP	38	1.1/2"

Tech Sheet 20796

L Series, Metric Parallel, Form B Sealing

0291	OD mm	Thread
GE-6L-10MPB	6	M10 x 1
GE-6L-12MPB	6	M12 x 1.5
GE-6L-14MPB	6	M14 x 1.5
GE-8L-10MPB	8	M10 x 1.0
GE-8L-12MPB	8	M12 x 1.5
GE-8L-14MPB	8	M14 x 1.5
GE-8L-18MPB	8	M18 x 1.5
GE-8L-16MPB	8	M16 x 1.5
GE-10L-10MPB	10	M16 x 1.5
GE-10L-14MPB	10	M14 x 1.5
GE-10L-12MPB	10	M12 x 1.5
GE-10L-16MPB	10	M16 x 1.5
GE-10L-18MPB	10	M18 x 1.5
GE-10L-22MPB	10	M22 x 1.5
GE-12L-14MPB	12	M14 x 1.5
GE-12L-12MPB	12	M12 x 1.5
GE-12L-16MPB	12	M16 x 1.5
GE-12L-18MPB	12	M18 x 1.5
GE-12L-22MPB	12	M22 x 1.5
GE-15L-16MPB	15	M16 x 1.5
GE-15L-18MPB	15	M18 x 1.5
GE-15L-22MPB	15	M22 x 1.5
GE-18L-18MPB	18	M18 x 1.5
GE-18L-22MPB	18	M22 x 1.5
GE-18L-26MPB	18	M26 x 1.5
GE-22L-22MPB	22	M22 x 1.5
GE-22L-26MPB	22	M26 x 1.5
GE-28L-33MPB	28	M33 x 1.5
GE-35L-42MPB	35	M42 x 2
GE-42L-48MPB	42	M48 x 2

Tech Sheet 10587

S Series, Metric Parallel, Form B Sealing

0291	OD mm	Thread
GE-6S-12MPB	6	M12 x 1.5
GE-6S-14MPB	6	M14 x 1.5
GE-8S-14MPB	8	M14 x 1.5
GE-10S-16MPB	10	M16 x 1.5
GE-10S-18MPB	10	M18 x 1.5
GE-12S-14MPB	12	M14 x 1.5
GE-12S-16MPB	12	M16 x 1.5
GE-12S-18MPB	12	M18 x 1.5
GE-12S-22MPB	12	M22 x 1.5
GE-14S-20MPB	14	M20 x 1.5
GE-16S-18MPB	16	M18 x 1.5
GE-16S-22MPB	16	M22 x 1.5
GE-20S-27MPB	20	M27 x 2
GE-25S-33MPB	25	M33 x 2
GE-30S-42MPB	30	M42 x 2
GE-38S-48MPB	38	M48 x 2

Tech Sheet 10587

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

Male Stud Couplings

L Series, BSPT

0291	OD mm	Thread
GE-6L-2RT	6	1/8"
GE-6L-4RT	6	1/4"
GE-6L-6RT	6	3/8"
GE-6L-8RT	6	1/2"
GE-8L-2RT	8	1/8"
GE-8L-4RT	8	1/4"
GE-8L-6RT	8	3/8"
GE-8L-8RT	8	1/2"
GE-10L-2RT	10	1/8"
GE-10L-4RT	10	1/4"
GE-10L-6RT	10	3/8"
GE-10L-8RT	10	1/2"
GE-12L-2RT	12	1/8"
GE-12L-4RT	12	1/4"
GE-12L-6RT	12	3/8"
GE-12L-8RT	12	1/2"
GE-12L-12RT	12	3/4"
GE-15L-4RT	15	1/4"
GE-15L-6RT	15	3/8"
GE-15L-8RT	15	1/2"
GE-15L-12RT	15	3/4"
GE-18L-6RT	18	3/8"
GE-18L-8RT	18	1/2"
GE-18L-12RT	18	3/4"
GE-22L-6RT	22	3/8"
GE-22L-8RT	22	1/2"
GE-22L-12RT	22	3/4"
GE-22L-16RT	22	1"
GE-28L-8RT	28	1/2"
GE-28L-12RT	28	3/4"
GE-28L-16RT	28	1"
GE-28L-20RT	28	1.1/4"
GE-35L-16RT	35	1"
GE-35L-20RT	35	1.1/4"
GE-35L-24RT	35	1.1/2"
GE-42L-20RT	42	1.1/4"
GE-42L-24RT	42	1.1/2"

Tech Sheet 10588

S Series, BSPT

0291	OD mm	Thread
GE-6S-2RT	6	1/8"
GE-6S-4RT	6	1/4"
GE-6S-6RT	6	3/8"
GE-8S-2RT	8	1/8"
GE-8S-4RT	8	1/4"
GE-8S-6RT	8	3/8"
GE-10S-4RT	10	1/4"
GE-10S-6RT	10	3/8"
GE-12S-4RT	12	1/4"
GE-12S-6RT	12	3/8"
GE-12S-8RT	12	1/2"
GE-14S-6RT	14	3/8"
GE-14S-8RT	14	1/2"
GE-16S-6RT	16	3/8"
GE-16S-8RT	16	1/2"
GE-16S-12RT	16	3/4"
GE-20S-8RT	20	1/2"
GE-20S-12RT	20	3/4"
GE-25S-12RT	25	3/4"
GE-25S-16RT	25	1"
GE-30S-20RT	30	1.1/4"
GE-38S-24RT	38	1.1/2"

Tech Sheet 10588

L Series, NPT

0291	OD mm	Thread
GE-6L-2N	6	1/8"
GE-6L-4N	6	1/4"
GE-6L-6N	6	3/8"
GE-6L-8N	6	1/2"
GE-8L-2N	8	1/8"
GE-8L-4N	8	1/4"
GE-8L-6N	8	3/8"
GE-8L-8N	8	1/2"
GE-10L-2N	10	1/8"
GE-10L-4N	10	1/4"
GE-10L-6N	10	3/8"
GE-10L-8N	10	1/2"
GE-10L-12N	10	3/4"
GE-12L-2N	12	1/8"
GE-12L-4N	12	1/4"
GE-12L-6N	12	3/8"
GE-12L-8N	12	1/2"
GE-12L-12N	12	3/4"
GE-15L-4N	15	1/4"
GE-15L-6N	15	3/8"
GE-15L-8N	15	1/2"
GE-15L-12N	15	3/4"
GE-18L-6N	18	3/8"
GE-18L-8N	18	1/2"
GE-18L-12N	18	3/4"
GE-18L-16N	18	1"
GE-22L-6N	22	3/8"
GE-22L-8N	22	1/2"
GE-22L-12N	22	3/4"
GE-22L-16N	22	1"
GE-22L-20N	22	1.1/4"
GE-28L-8N	28	1/2"
GE-28L-12N	28	3/4"
GE-28L-16N	28	1"
GE-28L-20N	28	1.1/4"
GE-35L-16N	35	1"
GE-35L-20N	35	1.1/4"
GE-35L-24N	35	1.1/2"
GE-42L-16N	42	1"
GE-42L-20N	42	1.1/4"
GE-42L-24N	42	1.1/2"

Tech Sheet 10589



stainless
steel



Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

S Series, NPT

0291	OD mm	Thread
GE-6S-2N	6	1/8"
GE-6S-4N	6	1/4"
GE-6S-6N	6	3/8"
GE-6S-8N	6	1/2"
GE-8S-2N	8	1/8"
GE-8S-4N	8	1/4"
GE-8S-6N	8	3/8"
GE-8S-8N	8	1/2"
GE-10S-2N	10	1/8"
GE-10S-4N	10	1/4"
GE-10S-6N	10	3/8"
GE-10S-8N	10	1/2"
GE-10S-12N	10	3/4"
GE-12S-4N	12	1/4"
GE-12S-6N	12	3/8"
GE-12S-8N	12	1/2"
GE-12S-12N	12	3/4"
GE-14S-6N	14	3/8"
GE-14S-8N	14	1/2"
GE-14S-12N	14	3/4"
GE-16S-6N	16	3/8"
GE-16S-8N	16	1/2"
GE-16S-12N	16	3/4"
GE-16S-16N	16	1"
GE-20S-6N	20	3/8"
GE-20S-12N	20	3/4"
GE-20S-16N	20	1"
GE-20S-20N	20	1.1/4"
GE-25S-8N	25	1/2"
GE-25S-12N	25	3/4"
GE-25S-16N	25	1"
GE-25S-20N	25	1.1/4"
GE-30S-12N	30	3/4"
GE-30S-16N	30	1"
GE-30S-20N	30	1.1/4"
GE-30S-24N	30	1.1/2"
GE-38S-16N	38	1"
GE-38S-20N	38	1.1/4"
GE-38S-24N	38	1.1/2"

Tech Sheet 10589

stainless
steel



For Stainless Steel
Component parts
see page 1255

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Male Stud Couplings



L Series, UNF, O-Ring Sealing

0291	OD mm	Thread
GE-6L-7/16UNF	6	7/16"
GE-6L-1/2UNF	6	1/2"
GE-6L-9/16UNF	6	9/16"
GE-8L-7/16UNF	8	7/16"
GE-8L-1/2UNF	8	1/2"
GE-8L-9/16UNF	8	9/16"
GE-10L-7/16UNF	10	7/16"
GE-10L-1/2UNF	10	1/2"
GE-10L-9/16UNF	10	9/16"
GE-10L-3/4UNF	10	3/4"
GE-12L-9/16UNF	12	9/16"
GE-12L-3/4UNF	12	3/4"
GE-12L-7/8UNF	12	7/8"
GE-15L-9/16UNF	15	9/16"
GE-15L-3/4UNF	15	3/4"
GE-15L-7/8UNF	15	7/8"
GE-18L-3/4UNF	18	3/4"
GE-18L-7/8UNF	18	7/8"
GE-18L-11/16UNF	18	1.1/16"
GE-22L-3/4UNF	22	3/4"
GE-22L-7/8UNF	22	7/8"
GE-22L-11/16UNF	22	1.1/16"
GE-22L-15/16UNF	22	1.5/16"
GE-28L-11/16UNF	28	1.1/16"
GE-28L-15/16UNF	28	1.5/16"
GE-28L-15/8UNF	28	1.5/8"
GE-35L-15/16UNF	35	1.5/16"
GE-35L-15/8UNF	35	1.5/8"
GE-42L-15/8UNF	42	1.5/8"
GE-42L-17/8UNF	42	1.7/8"

Tech Sheet 20797

S Series, UNF, O-Ring Sealing

0291	OD mm	Thread
GE-6S-7/16UNF	6	7/16"
GE-8S-1/2UNF	8	1/2"
GE-8S-7/16UNF	8	7/16"
GE-8S-9/16UNF	8	9/16"
GE-10S-3/4UNF	10	3/4"
GE-12S-9/16UNF	12	9/16"
GE-12S-3/4UNF	12	3/4"
GE-12S-7/8UNF	12	7/8"
GE-14S-3/4UNF	14	3/4"
GE-16S-3/4UNF	16	3/4"
GE-16S-7/8UNF	16	7/8"
GE-16S-11/16UNF	16	1.1/16"
GE-20S-3/4UNF	20	3/4"
GE-20S-7/8UNF	20	7/8"
GE-20S-11/16UNF	20	1.1/16"
GE-20S-15/16UNF	20	1.5/16"
GE-25S-11/16UNF	25	1.1/16"
GE-25S-15/16UNF	25	1.5/16"
GE-30S-11/16UNF	30	1.1/16"
GE-30S-15/16UNF	30	1.5/16"
GE-30S-15/8UNF	30	1.5/8"
GE-38S-15/8UNF	38	1.5/8"
GE-38S-17/8UNF	38	1.7/8"

Female Stud Couplings



L Series, BSPP

0291	OD mm	Thread
GAI-6L-2RG	6	1/8"
GAI-6L-4RG	6	1/4"
GAI-6L-6RG	6	3/8"
GAI-6L-8RG	6	1/2"
GAI-8L-2RG	8	1/8"
GAI-8L-4RG	8	1/4"
GAI-8L-6RG	8	3/8"
GAI-8L-8RG	8	1/2"
GAI-10L-2RG	10	1/8"
GAI-10L-4RG	10	1/4"
GAI-10L-6RG	10	3/8"
GAI-10L-8RG	10	1/2"
GAI-12L-4RG	12	1/4"
GAI-12L-6RG	12	3/8"
GAI-12L-8RG	12	1/2"
GAI-15L-6RG	15	3/8"
GAI-15L-8RG	15	1/2"
GAI-15L-12RG	15	3/4"
GAI-18L-6RG	18	3/8"
GAI-18L-8RG	18	1/2"
GAI-18L-12RG	18	3/4"
GAI-22L-8RG	22	1/2"
GAI-22L-12RG	22	3/4"
GAI-28L-16RG	28	1"
GAI-35L-20RG	35	1.1/4"
GAI-42L-24RG	42	1.1/2"

Tech Sheet 10590

S Series, BSPP

0291	OD mm	Thread
GAI-6S-4RG	6	1/4"
GAI-8S-4RG	8	1/4"
GAI-8S-6RG	8	3/8"
GAI-8S-8RG	8	1/2"
GAI-10S-6RG	10	3/8"
GAI-10S-8RG	10	1/2"
GAI-12S-4RG	12	1/4"
GAI-12S-6RG	12	3/8"
GAI-12S-8RG	12	1/2"
GAI-14S-6RG	14	3/8"
GAI-14S-8RG	14	1/2"
GAI-16S-6RG	16	3/8"
GAI-16S-8RG	16	1/2"
GAI-20S-8RG	20	1/2"
GAI-20S-12RG	20	3/4"
GAI-25S-12RG	25	3/4"
GAI-25S-16RG	25	1"
GAI-30S-20RG	30	1.1/4"
GAI-38S-24RG	38	1.1/2"

° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series, NPT

0291	OD mm	Thread
GAI-6L-2N	6	1/8"
GAI-6L-4N	6	1/4"
GAI-8L-4N	8	1/4"
GAI-10L-4N	10	1/4"
GAI-10L-6N	10	3/8"
GAI-10L-8N	10	1/2"
GAI-12L-4N	12	1/4"
GAI-12L-6N	12	3/8"
GAI-12L-8N	12	1/2"
GAI-15L-8N	15	1/2"
GAI-18L-8N	18	1/2"
GAI-22L-12N	22	3/4"
GAI-28L-16N	28	1"
GAI-35L-20N	35	1.1/4"
GAI-42L-24N	42	1.1/2"

S Series, NPT

0291	OD mm	Thread
GAI-6S-4N	6	1/4"
GAI-8S-4N	8	1/4"
GAI-10S-6N	10	3/8"
GAI-12S-6N	12	3/8"
GAI-12S-8N	12	1/2"
GAI-14S-8N	14	1/2"
GAI-16S-6N	16	3/8"
GAI-16S-8N	16	1/2"
GAI-20S-12N	20	3/4"
GAI-25S-16N	25	1"
GAI-30S-20N	30	1.1/4"
GAI-38S-24N	38	1.1/2"

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

Straight Stud Standpipes



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series, BSPP (Captive Seal)

0291	OD mm	Thread
EVGE-6L-2EO	6	1/8"
EVGE-8L-4EO	8	1/4"
EVGE-8L-6EO	8	3/8"
EVGE-10L-4EO	10	1/4"
EVGE-10L-6EO	10	3/8"
EVGE-10L-8EO	10	1/2"
EVGE-12L-4EO	12	1/4"
EVGE-12L-6EO	12	3/8"
EVGE-12L-8EO	12	1/2"
EVGE-15L-6EO	15	3/8"
EVGE-15L-8EO	15	1/2"
EVGE-18L-6EO	18	3/8"
EVGE-18L-8EO	18	1/2"
EVGE-18L-12EO	18	3/4"
EVGE-22L-6EO	22	3/8"
EVGE-22L-8EO	22	1/2"
EVGE-22L-12EO	22	3/4"
EVGE-28L-12EO	28	3/4"
EVGE-28L-16EO	28	1"
EVGE-35L-20EO	35	1.1/4"
EVGE-42L-24EO	42	1.1/2"

Tech Sheet 10591

S Series, BSPP (Captive Seal)

0291	OD mm	Thread
EVGE-6S-2EO	6	1/8"
EVGE-6S-4EO	6	1/4"
EVGE-8S-4EO	8	1/4"
EVGE-8S-6EO	8	3/8"
EVGE-10S-4EO	10	1/4"
EVGE-10S-6EO	10	3/8"
EVGE-10S-8EO	10	1/2"
EVGE-12S-4EO	12	1/4"
EVGE-12S-6EO	12	3/8"
EVGE-12S-8EO	12	1/2"
EVGE-14S-8EO	14	1/2"
EVGE-16S-6EO	16	3/8"
EVGE-16S-8EO	16	1/2"
EVGE-16S-12EO	16	3/4"
EVGE-20S-8EO	20	1/2"
EVGE-20S-12EO	20	3/4"
EVGE-25S-12EO	25	3/4"
EVGE-25S-16EO	25	1"
EVGE-30S-20EO	30	1.1/4"
EVGE-38S-24EO	38	1.1/2"

Tech Sheet 10591

L Series, Metric Parallel (Captive Seal)

0291	OD mm	Thread
EVGE-6L-10MEO	6	M10 x 1
EVGE-8L-12MEO	8	M12 x 1.5
EVGE-10L-14MEO	10	M14 x 1.5
EVGE-15L-18MEO	15	M18 x 1.5
EVGE-18L-22MEO	18	M22 x 1.5
EVGE-22L-26MEO	22	M26 x 1.5
EVGE-28L-33MEO	28	M33 x 2
EVGE-35L-42MEO	35	M42 x 2
EVGE-42L-48MEO	42	M48 x 2

Tech Sheet 10592

S Series, Metric Parallel (Captive Seal)

0291	OD mm	Thread
EVGE-6S-12MEO	6	M12 x 1.5
EVGE-8S-14MEO	8	M14 x 1.5
EVGE-10S-16MEO	10	M16 x 1.5
EVGE-12S-18MEO	12	M18 x 1.5
EVGE-14S-20MEO	14	M20 x 1.5
EVGE-16S-22MEO	16	M22 x 1.5
EVGE-20S-27MEO	20	M27 x 2
EVGE-30S-42MEO	30	M42 x 2
EVGE-38S-48MEO	38	M48 x 2

Tech Sheet 10592

Reducing Adaptors



Male x Female, BSPP

0291	OD mm	Thread
GRI-2-4RG	1/8"	1/4"
GRI-2-6RG	1/8"	3/8"
GRI-4-2RG	1/4"	1/8"
GRI-4-6RG	1/4"	3/8"
GRI-4-8RG	1/4"	1/2"
GRI-4-12RG	1/4"	3/4"
GRI-6-4RG	3/8"	1/4"
GRI-6-8RG	3/8"	1/2"
GRI-6-12RG	3/8"	3/4"
GRI-6-16RG	3/8"	1"
GRI-8-6RG	1/2"	3/8"
GRI-8-12RG	1/2"	3/4"
GRI-8-16RG	1/2"	1"
GRI-8-20RG	1/2"	1.1/4"
GRI-12-8RG	3/4"	1/2"
GRI-12-16RG	3/4"	1"
GRI-12-20RG	3/4"	1.1/4"
GRI-12-24RG	3/4"	1.1/2"
GRI-16-12RG	1"	3/4"
GRI-16-20RG	1"	1.1/4"
GRI-16-24RG	1"	1.1/2"
GRI-20-16RG	1.1/4"	1"
GRI-24-20RG	1.1/2"	1.1/4"
GRI-20-24RG	1.1/4"	1.1/2"

Tech Sheet 10593

stainless
steel



Reducing Bush



Male x Female, BSPP

0291	OD mm	Thread
GRI-6-2RG	3/8"	1/8"
GRI-8-2RG	1/2"	1/8"
GRI-8-4RG	1/2"	1/4"
GRI-12-2RG	3/4"	1/8"
GRI-12-4RG	3/4"	1/4"
GRI-12-6RG	3/4"	3/8"
GRI-16-4RG	1"	1/4"
GRI-16-6RG	1"	3/8"
GRI-16-8RG	1"	1/2"
GRI-20-6RG	1.1/4"	3/8"
GRI-20-8RG	1.1/4"	1/2"
GRI-20-12RG	1.1/4"	3/4"
GRI-24-8RG	1.1/2"	1/2"
GRI-24-12RG	1.1/2"	3/4"
GRI-24-16RG	1.1/2"	1"
GRI-32-8RG	2"	1/2"
GRI-32-12RG	2"	3/4"
GRI-32-16RG	2"	1"
GRI-32-20RG	2"	1.1/4"
GRI-32-24RG	2"	1.1/2"

Tech Sheet 10593

Adjustable Branch Tees

° Stainless Steel 1.4571 Working Temperature:

-60°C to +400°C
(DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C
(FPM/Viton)



L Series, Metric, Female Thread

0291	OD mm	Thread
EVT-6L	6	M12 x 1.5
EVT-8L	8	M14 x 1.5
EVT-10L	10	M16 x 1.5
EVT-12L	12	M18 x 1.5
EVT-15L	15	M22 x 1.5
EVT-18L	18	M26 x 1.5
EVT-22L	22	M30 x 2
EVT-28L	28	M36 x 2
EVT-35L	35	M45 x 2
EVT-42L	42	M52 x 2

Tech Sheet 10594

S Series, Metric, Female Thread

0291	OD mm	Thread
EVT-6S	6	M14 x 1.5
EVT-8S	8	M16 x 1.5
EVT-10S	10	M18 x 1.5
EVT-12S	12	M20 x 1.5
EVT-14S	14	M22 x 1.5
EVT-16S	16	M24 x 1.5
EVT-20S	20	M30 x 2
EVT-25S	25	M36 x 2
EVT-30S	30	M42 x 2
EVT-38S	38	M52 x 2

Tech Sheet 10594

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Adjustable Run Tees

Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)



L Series, Metric, Female Thread

0291	OD mm	Thread
EVL-6L	6	M12 x 1.5
EVL-8L	8	M14 x 1.5
EVL-10L	10	M16 x 1.5
EVL-12L	12	M18 x 1.5
EVL-15L	15	M22 x 1.5
EVL-18L	18	M26 x 1.5
EVL-22L	22	M30 x 2
EVL-28L	28	M36 x 2
EVL-35L	35	M45 x 2
EVL-42L	42	M52 x 2

Tech Sheet 10597

S Series, Metric, Female Thread

0291	OD mm	Thread
EVL-6S	6	M14 x 1.5
EVL-8S	8	M16 x 1.5
EVL-10S	10	M18 x 1.5
EVL-12S	12	M20 x 1.5
EVL-14S	14	M22 x 1.5
EVL-16S	16	M24 x 1.5
EVL-20S	20	M30 x 2
EVL-25S	25	M36 x 2
EVL-30S	30	M42 x 2
EVL-38S	38	M52 x 2

Tech Sheet 10597

stainless
steel



For **Stainless Steel Tubing**
see page **1287**

Male Stud Elbows

Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)



L Series, BSPT

0291	OD mm	Thread
WE6L-2RT	6	1/8"
WE6L-4RT	6	1/4"
WE6L-6RT	6	3/8"
WE6L-8RT	6	1/2"
WE8L-2RT	8	1/8"
WE8L-4RT	8	1/4"
WE8L-6RT	8	3/8"
WE8L-8RT	8	1/2"
WE10L-2RT	10	1/8"
WE10L-4RT	10	1/4"
WE10L-6RT	10	3/8"
WE10L-8RT	10	1/2"
WE12L-2RT	12	1/8"
WE12L-4RT	12	1/4"
WE12L-6RT	12	3/8"
WE12L-8RT	12	1/2"
WE15L-4RT	15	1/4"
WE15L-6RT	15	3/8"
WE15L-8RT	15	1/2"
WE15L-12RT	15	3/4"
WE18L-6RT	18	3/8"
WE18L-8RT	18	1/2"
WE18L-12RT	18	3/4"
WE22L-8RT	22	1/2"
WE22L-12RT	22	3/4"
WE28L-16RT	28	1"
WE35L-20RT	35	1.1/4"

Tech Sheet 10600

S Series, BSPT

0291	OD mm	Thread
WE6S-2RT	6	1/8"
WE6S-4RT	6	1/4"
WE6S-6RT	6	3/8"
WE6S-8RT	6	1/2"
WE8S-4RT	8	1/4"
WE8S-6RT	8	3/8"
WE8S-8RT	8	1/2"
WE10S-4RT	10	1/4"
WE10S-6RT	10	3/8"
WE10S-8RT	10	1/2"
WE12S-4RT	12	1/4"
WE12S-6RT	12	3/8"
WE12S-8RT	12	1/2"
WE14S-6RT	14	3/8"
WE14S-8RT	14	1/2"
WE16S-6RT	16	3/8"
WE16S-8RT	16	1/2"
WE16S-12RT	16	3/4"
WE20S-8RT	20	1/2"
WE20S-12RT	20	3/4"

Tech Sheet 10600

L Series, NPT

0291	OD mm	Thread
WE6L-2N	6	1/8"
WE6L-4N	6	1/4"
WE6L-6N	6	3/8"
WE6L-8N	6	1/2"
WE8L-2N	8	1/8"
WE8L-4N	8	1/4"
WE8L-6N	8	3/8"
WE8L-8N	8	1/2"
WE10L-2N	10	1/8"
WE10L-4N	10	1/4"
WE10L-8N	10	1/2"
WE12L-4N	12	1/4"
WE12L-6N	12	3/8"
WE12L-8N	12	1/2"
WE15L-6N	15	3/8"
WE15L-8N	15	1/2"
WE15L-12N	15	3/4"
WE18L-6N	18	3/8"
WE18L-8N	18	1/2"
WE18L-12N	18	3/4"
WE22L-8N	22	1/2"
WE22L-12N	22	3/4"
WE28L-12N	28	3/4"
WE28L-16N	28	1"
WE35L-20N	35	1.1/4"
WE42L-24N	42	1.1/2"

Tech Sheet 10601

S Series, NPT

0291	OD mm	Thread
WE6S-4N	6	1/4"
WE6S-6N	6	3/8"
WE6S-8N	6	1/2"
WE8S-4N	8	1/4"
WE8S-6N	8	3/8"
WE8S-8N	8	1/2"
WE10S-4N	8	1/4"
WE10S-6N	10	3/8"
WE10S-8N	10	1/2"
WE12S-4N	12	1/4"
WE12S-6N	12	3/8"
WE12S-8N	12	1/2"
WE14S-6N	14	3/8"
WE14S-8N	14	1/2"
WE16S-6N	16	3/8"
WE16S-8N	16	1/2"
WE16S-12N	16	3/4"
WE20S-8N	20	1/2"
WE20S-12N	20	3/4"
WE25S-16N	25	1"
WE30S-20N	30	1.1/4"
WE38S-24N	38	1.1/2"

Tech Sheet 10601



For Stainless Steel 304 & 316 see section 10 page 1225

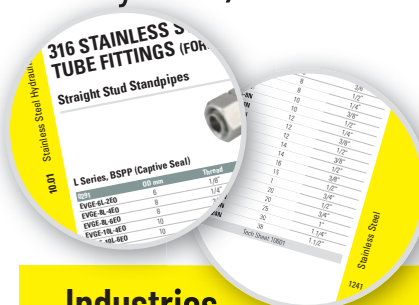
Many of our products are produced in stainless steel (304 or 316) so if that is your focus and to simplify product selection, we have all our products regardless of type or application grouped in **section 10** (coded yellow) of our catalogue.

Food safety starts with rigorous hygiene and nickel-containing stainless steels are the superior, reliable standard at every link of the food and industry supply chain. Though it may not be inherently antimicrobial, stainless steel, particularly 304 or 316 stainless steels, are one of the best materials to use in a food and beverage processing environment.

Industries

- Food
- Brewing
- Transport
- Pharmaceuticals
- Chemicals

Stainless steel is commonly used in the food industry because of its non-toxicity and ease of cleaning. This material does not react chemically with other substances and can be cleaned with high temperatures. In the process of disinfection, we can also use most of the available detergents. Stainless steel is not absorbent and after rinsing its surface with water, you can freely use it for food processing. This material is extremely durable and does not require regular and expensive maintenance. Although stainless steel can be slightly more expensive than other raw materials, it is an excellent compromise between the interests of the consumer and manufacturer.



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Adjustable Elbows



L Series, Metric, Female Thread

0291	OD mm	Thread
EVW-6L	6	M12 x 1.5
EVW-8L	8	M14 x 1.5
EVW-10L	10	M16 x 1.5
EVW-12L	12	M18 x 1.5
EVW-15L	15	M22 x 1.5
EVW-18L	18	M26 x 1.5
EVW-22L	22	M30 x 2
EVW-28L	28	M36 x 2
EVW-35L	35	M45 x 2
EVW-42L	42	M52 x 2

Tech Sheet 10602

S Series, Metric, Female Thread

0291	OD mm	Thread
EVW-6S	6	M14 x 1.5
EVW-8S	8	M16 x 1.5
EVW-10S	10	M18 x 1.5
EVW-12S	12	M20 x 1.5
EVW-14S	14	M22 x 1.5
EVW-16S	16	M24 x 1.5
EVW-20S	20	M30 x 2
EVW-25S	25	M36 x 2
EVW-30S	30	M42 x 2
EVW-38S	38	M52 x 2

Tech Sheet 10602

Straights



L Series

0291	OD mm
G6-UL	6
G8-UL	8
G10-UL	10
G12-UL	12
G15-UL	15
G18-UL	18
G22-UL	22
G28-UL	28
G35-UL	35
G42-UL	42

Tech Sheet 10605

S Series

0291	OD mm
G6-US	6
G8-US	8
G10-US	10
G12-US	12
G14-US	14
G16-US	16
G20-US	20
G25-US	25
G30-US	30
G38-US	38

Tech Sheet 10605

Straight Reducers



L Series

0291	OD mm	OD mm
GR-8L-6L	8	6
GR-10L-6L	10	6
GR-10L-8L	10	8
GR-12L-6L	12	6
GR-12L-8L	12	8
GR-12L-10L	12	10
GR-15L-6L	15	6
GR-15L-8L	15	8
GR-15L-10L	15	10
GR-15L-12L	15	12
GR-18L-8L	18	8
GR-18L-10L	18	10
GR-18L-12L	18	12
GR-18L-15L	18	15
GR-22L-8L	22	8
GR-22L-10L	22	10
GR-22L-12L	22	12
GR-22L-15L	22	15
GR-22L-18L	22	18
GR-28L-10L	28	10
GR-28L-12L	28	12
GR-28L-15L	28	15
GR-28L-18L	28	18
GR-28L-22L	28	22
GR-35L-15L	35	15
GR-35L-18L	35	18
GR-35L-22L	35	22
GR-35L-28L	35	28
GR-42L-15L	42	15
GR-42L-18L	42	18
GR-42L-22L	42	22
GR-42L-28L	42	28
GR-42L-35L	42	35

Tech Sheet 10606

Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

S Series

0291	OD mm	OD mm
GR-8S-6S	8	6
GR-10S-6S	10	6
GR-10S-8S	10	8
GR-12S-6S	12	6
GR-12S-8S	12	8
GR-12S-10S	12	10
GR-14S-6S	14	6
GR-14S-8S	14	8
GR-14S-10S	14	10
GR-14S-12S	14	12
GR-16S-6S	16	6
GR-16S-8S	16	8
GR-16S-10S	16	10
GR-16S-12S	16	12
GR-16S-14S	16	14
GR-20S-6S	20	6
GR-20S-8S	20	8
GR-20S-10S	20	10
GR-20S-12S	20	12
GR-20S-14S	20	14
GR-20S-16S	20	16
GR-25S-8S	25	8
GR-25S-10S	25	10
GR-25S-12S	25	12
GR-25S-14S	25	14
GR-25S-16S	25	16
GR-25S-20S	25	20
GR-30S-10S	30	10
GR-30S-12S	30	12
GR-30S-14S	30	14
GR-30S-16S	30	16
GR-30S-20S	30	20
GR-30S-25S	30	25
GR-38S-10S	38	10
GR-38S-12S	38	12
GR-38S-14S	38	14
GR-38S-16S	38	16
GR-38S-20S	38	20
GR-38S-25S	38	25
GR-38S-30S	38	30

Tech Sheet 10606

stainless
steel

For Stainless Steel Check Valves
see page 1300




316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



90° Compact Adjustable Elbows

 **Stainless Steel 1.4571 Working Temperature:**
 -60°C to +400°C (DIN 17 440, AD W 10)
Seal Temperature Range:
 -20°C to +200°C (FPM/Viton)



L Series, Metric, BSPP Male Thread with Viton O-Ring

0291	OD mm	Thread
WEEV-06L-1/8	6	1/8"
WEEV-08L-1/4	8	1/4"
WEEV-10L-1/4	10	1/4"
WEEV-12L-3/8	12	3/8"
WEEV-15L-1/2	15	1/2"
WEEV-18L-1/2	18	1/2"
WEEV-22L-3/4	22	3/4"
WEEV-28L-1	28	1"
WEEV-35L-114	35	1.1/4"

Tech Sheet 67962

45° Adjustable Elbows



L Series, Metric, BSPP Female Thread with Viton O-Ring

0291	OD mm	Thread
EV-DKOL-06	6	M12 x 1.5
EV-DKOL-08	8	M14 x 1.5
EV-DKOL-10	10	M16 x 1.5
EV-DKOL-12	12	M18 x 1.5
EV-DKOL-15	15	M22 x 1.5
EV-DKOL-18	18	M26 x 1.5
EV-DKOL-22	22	M30 x 2
EV-DKOL-28	28	M36 x 2
EV-DKOL-35	35	M45 x 2
EV-DKOL-42	42	M52 x 2

Tech Sheet 67963

Soft Sealed Cutting Ring



L Series Sealing Ring with Viton Seal

0291	OD mm
ES4-L-06-WD	6
ES4-L-08-WD	8
ES4-L-10-WD	10
ES4-L-12-WD	12
ES4-L-15-WD	15
ES4-L-18-WD	18
ES4-L-22-WD	22
ES4-L-28-WD	28
ES4-L-35-WD	35
ES4-L-42-WD	42

Tech Sheet 67964

S Series Sealing Ring with Viton Seal

0291	OD mm
ES4-S-06-WD	6
ES4-S-08-WD	8
ES4-S-10-WD	10
ES4-S-12-WD	12
ES4-S-14-WD	14
ES4-S-16-WD	16
ES4-S-20-WD	20
ES4-S-25-WD	25
ES4-S-30-WD	30
ES4-S-38-WD	38

Tech Sheet 67964

stainless
steel

For **Stainless Steel Tubing**
see page **183**



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Equal Elbows



L Series

0291	OD mm
W6-UEL	6
W8-UEL	8
W10-UEL	10
W12-UEL	12
W15-UEL	15
W18-UEL	18
W22-UEL	22
W28-UEL	28
W35-UEL	35
W42-UEL	42

Tech Sheet 10607

S Series

0291	OD mm
W6-UES	6
W8-UES	8
W10-UES	10
W12-UES	12
W14-UES	14
W16-UES	16
W20-UES	20
W25-UES	25
W30-UES	30
W38-UES	38

Tech Sheet 10607

Equal Tees



L Series

0291	OD mm
T6-UTL	6
T8-UTL	8
T10-UTL	10
T12-UTL	12
T15-UTL	15
T18-UTL	18
T22-UTL	22
T28-UTL	28
T35-UTL	35
T42-UTL	42

Tech Sheet 10608

S Series

0291	OD mm
T6-UTS	6
T8-UTS	8
T10-UTS	10
T12-UTS	12
T14-UTS	14
T16-UTS	16
T20-UTS	20
T25-UTS	25
T30-UTS	30
T38-UTS	38

Tech Sheet 10608

Equal Crosses



L Series

0291	OD mm
K6-UCL	6
K8-UCL	8
K10-UCL	10
K12-UCL	12
K15-UCL	15
K18-UCL	18
K22-UCL	22
K28-UCL	28
K35-UCL	35
K42-UCL	42

Tech Sheet 10609

S Series

0291	OD mm
K6-UCS	6
K8-UCS	8
K10-UCS	10
K12-UCS	12
K14-UCS	14
K16-UCS	16
K20-UCS	20
K25-UCS	25
K30-UCS	30
K38-UCS	38

Tech Sheet 10609

stainless
steel

For **Stainless Steel Gauges**
see pages **414-415**



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Reducing Standpipes

° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)



L Series

0291	OD mm	OD mm
KOR-8L-6L	8	6
KOR-10L-6L	10	6
KOR-10L-8L	10	8
KOR-12L-6L	12	6
KOR-12L-8L	12	8
KOR-12L-10L	12	10
KOR-15L-6L	15	6
KOR-15L-8L	15	8
KOR-15L-10L	15	10
KOR-15L-12L	15	12
KOR-18L-6L	18	6
KOR-18L-8L	18	8
KOR-18L-10L	18	10
KOR-18L-12L	18	12
KOR-18L-15L	18	15
KOR-22L-6L	22	6
KOR-22L-8L	22	8
KOR-22L-10L	22	10
KOR-22L-12L	22	12
KOR-22L-15L	22	15
KOR-22L-18L	22	18
KOR-28L-6L	28	6
KOR-28L-8L	28	8

0291	OD mm	OD mm
KOR-28L-10L	28	10
KOR-28L-12L	28	12
KOR-28L-15L	28	15
KOR-28L-18L	28	18
KOR-28L-22L	28	22
KOR-35L-6L	35	6
KOR-35L-8L	35	8
KOR-35L-10L	35	10
KOR-35L-12L	35	12
KOR-35L-15L	35	15
KOR-35L-18L	35	18
KOR-35L-22L	35	22
KOR-35L-28L	35	28
KOR-42L-10L	42	10
KOR-42L-12L	42	12
KOR-42L-15L	42	15
KOR-42L-18L	42	18
KOR-42L-22L	42	22
KOR-42L-28L	42	28
KOR-42L-35L	42	35

Tech Sheet 10610

S Series

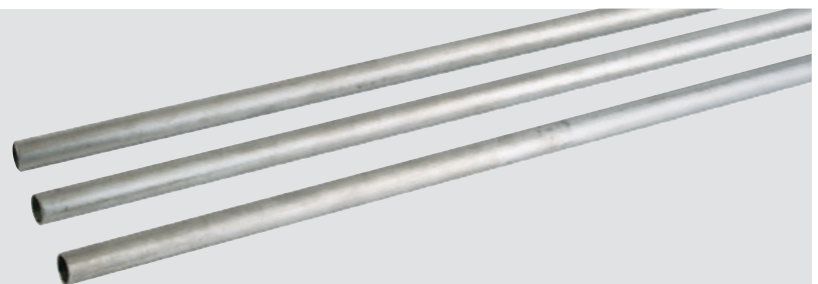
0291	OD mm	OD mm
KOR-8S-6S	8	6
KOR-10S-6S	10	6
KOR-10S-8S	10	8
KOR-12S-6S	12	6
KOR-12S-8S	12	8
KOR-12S-10S	12	10
KOR-14S-6S	14	6
KOR-14S-8S	14	8
KOR-14S-10S	14	10
KOR-14S-12S	14	12
KOR-16S-6S	16	6
KOR-16S-8S	16	8
KOR-16S-10S	16	10
KOR-16S-12S	16	12
KOR-16S-14S	16	14
KOR-20S-6S	20	6
KOR-20S-8S	20	8
KOR-20S-10S	20	10
KOR-20S-12S	20	12
KOR-20S-14S	20	14
KOR-20S-16S	20	16
KOR-25S-6S	25	6
KOR-25S-8S	25	8

0291	OD mm	OD mm
KOR-25S-10S	25	10
KOR-25S-12S	25	12
KOR-25S-14S	25	14
KOR-25S-16S	25	16
KOR-25S-20S	25	20
KOR-30S-6S	30	6
KOR-30S-8S	30	8
KOR-30S-10S	30	10
KOR-30S-12S	30	12
KOR-30S-14S	30	14
KOR-30S-16S	30	16
KOR-30S-20S	30	20
KOR-30S-25S	30	25
KOR-38S-6S	38	6
KOR-38S-8S	38	8
KOR-38S-10S	38	10
KOR-38S-12S	38	12
KOR-38S-14S	38	14
KOR-38S-16S	38	16
KOR-38S-20S	38	20
KOR-38S-25S	38	25
KOR-38S-30S	38	30

Tech Sheet 10610

stainless
steel

For **Stainless Steel Tube**
see page **183**



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

Tee Reducers



Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series

0291	OD A mm	OD B mm	OD C mm
TR-6-8-6L	6	8	6
TR-6-10-6L	6	10	6
TR-8-6-8L	8	6	8
TR-8-10-8L	8	10	8
TR-8-12-8L	8	12	8
TR-10-6-10L	10	6	10
TR-10-8-10L	10	8	10
TR-10-10-6L	10	10	6
TR-10-12-10L	10	12	10
TR-10-15-10L	10	15	10
TR-12-6-12L	12	6	12
TR-12-8-8L	12	8	8
TR-12-8-12L	12	8	12
TR-12-10-10L	12	10	10
TR-12-10-12L	12	10	12
TR-12-12-10L	12	12	10
TR-12-15-12L	12	15	12
TR-12-18-12L	12	18	12
TR-15-6-15L	15	6	15
TR-15-10-15L	15	10	15
TR-15-12-12L	15	12	12
TR-15-12-15L	15	12	15
TR-15-15-12L	15	15	12
TR-18-10-10L	18	10	10
TR-18-10-18L	18	10	18
TR-18-12-18L	18	12	18
TR-18-15-18L	18	15	18
TR-18-18-10L	18	18	10
TR-22-10-22L	22	10	22
TR-22-12-22L	22	12	22
TR-22-15-15L	22	15	15
TR-22-15-22L	22	15	22
TR-22-18-18L	22	18	18
TR-22-18-22L	22	18	22
TR-22-22-18L	22	22	18
TR-28-10-28L	28	10	28
TR-28-12-28L	28	12	28
TR-28-15-28L	28	15	28
TR-28-18-28L	28	18	28
TR-28-22-22L	28	22	22
TR-28-22-28L	28	22	28
TR-28-35-28L	28	35	28
TR-35-12-35L	35	12	35
TR-35-15-35L	35	15	35
TR-35-18-35L	35	18	35
TR-35-22-35L	35	22	35
TR-35-28-35L	35	28	35
TR-35-42-35L	35	42	35
TR-42-15-42L	42	15	42
TR-42-18-42L	42	18	42
TR-42-22-42L	42	22	42
TR-42-28-42L	42	28	42
TR-42-35-42L	42	35	42

Tech Sheet 10611

S Series

0291	OD A mm	OD B mm	OD C mm
TR-8-6-8S	8	6	8
TR-10-6-10S	10	6	10
TR-10-8-10S	10	8	10
TR-12-6-12S	12	6	12
TR-12-8-8S	12	8	8
TR-12-8-12S	12	8	12
TR-12-10-12S	12	10	12
TR-12-16-12S	12	16	12
TR-14-8-14S	14	8	14
TR-14-10-14S	14	10	14
TR-16-6-16S	16	6	16
TR-16-8-16S	16	8	16
TR-16-10-16S	16	10	16
TR-16-12-16S	16	12	16
TR-16-14-16S	16	14	16
TR-16-20-16S	16	20	16
TR-20-8-20S	20	08	20
TR-20-10-20S	20	10	20
TR-20-12-20S	20	12	20
TR-20-14-20S	20	14	20
TR-20-16-20S	20	16	20
TR-20-25-20S	20	25	20
TR-25-10-25S	25	10	25
TR-25-12-25S	25	12	25
TR-25-14-25S	25	14	25
TR-25-16-25S	25	16	25
TR-25-20-25S	25	20	25
TR-25-30-25S	25	30	25
TR-30-12-30S	30	12	30
TR-30-16-30S	30	16	30
TR-30-20-30S	30	20	30
TR-30-25-30S	30	25	30
TR-30-38-30S	30	38	30
TR-38-16-38S	38	16	38
TR-38-20-38S	38	20	38
TR-38-25-38S	38	25	38
TR-38-30-38S	38	30	38

Tech Sheet 10611

stainless
steel



Straight Bulkheads



L Series

0291	OD mm
SV-6L	6
SV-8L	8
SV-10L	10
SV-12L	12
SV-15L	15
SV-18L	18
SV-22L	22
SV-28L	28
SV-35L	35
SV-42L	42

Tech Sheet 10612

S Series

0291	OD mm
SV-6S	6
SV-8S	8
SV-10S	10
SV-12S	12
SV-14S	14
SV-16S	16
SV-20S	20
SV-25S	25
SV-30S	30
SV-38S	38

Tech Sheet 10612

Weld Bulkheads



L Series

0291	OD mm
ESV-6L-FT	6
ESV-8L-FT	8
ESV-10L-FT	10
ESV-12L-FT	12
ESV-15L-FT	15
ESV-18L-FT	18
ESV-20L-FT	20
ESV-28L-FT	28

Tech Sheet 10613

S Series

0291	OD mm
ESV-6S-FT	6
ESV-8S-FT	8
ESV-10S-FT	10
ESV-12S-FT	12
ESV-14S-FT	14
ESV-16S-FT	16
ESV-20S-FT	20
ESV-25S-FT	25

Tech Sheet 10613

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

Bulkhead Elbows



L Series

0291	OD mm
WSV-6L-FT	6
WSV-8L-FT	8
WSV-10L-FT	10
WSV-12L-FT	12
WSV-15L-FT	15
WSV-18L-FT	18
WSV-22L-FT	22
WSV-28L-FT	28
WSV-35L-FT	35
WSV-42L-FT	42

Tech Sheet 10614

S Series

0291	OD mm
WSV-6S-FT	6
WSV-8S-FT	8
WSV-10S-FT	10
WSV-12S-FT	12
WSV-14S-FT	14
WSV-16S-FT	16
WSV-20S-FT	20
WSV-25S-FT	25
WSV-30S-FT	30
WSV-38S-FT	38

Tech Sheet 10614

Weld Nipples



O-Ring Sealing, Nitrile

0291	OD mm	Diameter mm
SKA-108	10	8
SKA-107	10	7
SKA-106	10	6
SKA-129	12	9
SKA-128	12	8
SKA-127	12	7
SKA-1613	16	13
SKA-1612	16	12
SKA-1611	16	11
SKA-1610	16	10
SKA-2016	20	16
SKA-2015	20	15
SKA-2014	20	14
SKA-2012	20	12
SKA-2519	25	19
SKA-2517	25	17
SKA-2515	25	15

Tech Sheet 10615

Butt Weld Fittings



L Series

0291	OD mm
AS-6L	6
AS-8L	8
AS-10L	10
AS-12L	12
AS-15L	15
AS-18L	18
AS-22L	22
AS-28L	28

Tech Sheet 10616

S Series

0291	OD mm
AS-6S	6
AS-8S	8
AS-10S	10
AS-12S	12
AS-14S	14
AS-16S	16
AS-20S	20
AS-25S	25

Tech Sheet 10616

Weld Standpipe



0291	OD mm	Diameter mm
ASK-108	10	8
ASK-107	10	7
ASK-106	10	6
ASK-129	12	9
ASK-128	12	8
ASK-127	12	7
ASK-1612	16	12
ASK-1611	16	11
ASK-1610	16	10
ASK-2016	20	16
ASK-2015	20	15
ASK-2014	20	14
ASK-2012	20	12
ASK-2519	25	19
ASK-2517	25	17
ASK-2515	25	15

Tech Sheet 10617

stainless
steel



Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Special Weld Nipples (Reducers)



O-Ring Sealing, Nitrile

0291	OD mm	Diameter mm
SKAR-10-6	10	6
SKAR-10-8	10	8
SKAR-12-8	12	8
SKAR-12-10	12	10
SKAR-16-12	16	12
SKAR-20-12	20	12
SKAR-20-16	20	16
SKAR-25-16	25	16
SKAR-25-20	25	20
SKAR-25-15	25	15

Tech Sheet 10618

Metric Standpipe Adaptors, BSPP



L Series

0291	Thread	OD mm
2101-8247	1/8"	6
2101-8254	1/4"	8
2101-8262	1/4"	10
2101-8270	3/8"	12
2101-8288	1/2"	15
2101-8296	1/2"	18
2101-8304	3/4"	22
2101-8312	1"	28
2101-8445	1.1/4"	35
2101-8338	1.1/2"	42

Tech Sheet 20799

S Series

0291	Thread	OD mm
2101-8346	1/4"	6
2101-8353	1/4"	8
2101-8361	3/8"	10
2101-8379	3/8"	12
2101-8387	1/2"	14
2101-8395	1/2"	16
2101-8403	3/4"	20
2101-8411	1"	25
2101-8429	1.1/4"	30
2101-8437	1.1/2"	38

Tech Sheet 20799

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Banjo Elbows



L Series, BSPP, Metal Sealing Ring

0291	OD mm	Thread
WHV-6L-2RG	6	1/8"
WHV-8L-4RG	8	1/4"
WHV-10L-4RG	10	1/4"
WHV-10L-6G	10	3/8"
WHV-12L-4RG	12	1/4"
WHV-12L-6RG	12	3/8"
WHV-12L-8RG	12	1/2"
WHV-15L-8RG	15	1/2"
WHV-18L-8RG	18	1/2"
WHV-22L-12RG	22	3/4"
WHV-28L-16RG	28	1"
WHV-35L-20RG	35	1.1/4"
WHV-42L-24RG	42	1.1/2"

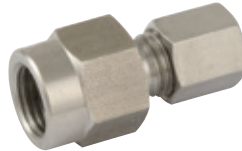
Tech Sheet 20736

S Series, BSPP, Metal Sealing Ring

0291	OD mm	Thread
WHV-6S-4RG	6	1/4"
WHV-8S-4RG	8	1/4"
WHV-10S-4RG	10	1/4"
WHV-10S-6G	10	3/8"
WHV-12S-6RG	12	3/8"
WHV-14S-8RG	14	1/2"
WHV-16S-8RG	16	1/2"
WHV-20S-12RG	20	3/4"
WHV-25S-16RG	25	1"
WHV-30S-20RG	30	1.1/4"
WHV-38S-24RG	38	1.1/2"

Tech Sheet 20736

Gauge Couplings



L Series, BSPP, Metal Sealing Ring

0291	OD mm	Thread
MV-6L-4RG	6	1/4"
MV-6L-8RG	6	1/2"
MV-8L-4RG	8	1/4"
MV-8L-8RG	8	1/2"
MV-10L-4RG	10	1/4"
MV-10L-8RG	10	1/2"
MV-12L-4RG	12	1/4"
MV-12L-8RG	12	1/2"

Tech Sheet 20737



S Series, BSPP, Metal Sealing Ring

0291	OD mm	Thread
MV-6S-8RG	6	1/2"
MV-8S-4RG	8	1/4"
MV-8S-8RG	8	1/2"
MV-10S-4RG	10	1/4"
MV-10S-8RG	10	1/2"
MV-12S-4RG	12	1/4"
MV-12S-8RG	12	1/2"

Tech Sheet 20737



L Series, NPT

0291	OD mm	Thread
MV-6L-4N	6	1/4"
MV-6L-8N	6	1/2"
MV-8L-4N	8	1/4"
MV-8L-8N	8	1/2"
MV-10L-4N	10	1/4"
MV-10L-8N	10	1/2"
MV-12L-4N	12	1/4"
MV-12L-8N	12	1/2"

Tech Sheet 20901



S Series, NPT

0291	OD mm	Thread
MV-6S-8N	6	1/2"
MV-8S-8N	8	1/2"
MV-10S-8N	10	1/2"
MV-12S-8N	12	1/2"

Tech Sheet 20901

For Hydraulic Tube Clamps
see pages 184-200



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Non-return Valves

All valves supplied with 1 bar cracking pressure unless stated, other pressures available on request are 0.2, 0.5, 2.0 and 3.0

Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

L Series, BSPP, Flow Towards Thread



0291	OD mm	Thread
RZ-6L-2RG	6	1/8"
RZ-8L-4RG	8	1/4"
RZ-10L-4RG	10	1/4"
RZ-12L-6RG	12	3/8"
RZ-15L-8RG	15	1/2"
RZ-18L-8RG	18	1/2"
RZ-22L-12RG	22	3/4"
RZ-28L-16RG	28	1"
RZ-35L-20RG	35	1.1/4"
RZ-42L-24RG	42	1.1/2"

Tech Sheet 20352

L Series, BSPP, Flow Away From Thread



0291	OD mm	Thread
RV-6L-2RG	6	1/8"
RV-8L-4RG	8	1/4"
RV-10L-4RG	10	1/4"
RV-12L-6RG	12	3/8"
RV-15L-8RG	15	1/2"
RV-18L-8RG	18	1/2"
RV-22L-12RG	22	3/4"
RV-28L-16RG	28	1"
RV-35L-20RG	35	1.1/4"
RV-42L-24RG	42	1.1/2"

Tech Sheet 20352

L Series, Tube x Tube



0291	OD mm	Cracking Pressure Bar
770-0606	6	0.5
770-0808	8	0.5
770-1010	10	0.5
770-1212	12	0.5
770-1515	15	0.5
770-1818	18	0.5
770-2222	22	0.5
770-2828	28	0.5
770-3535	35	0.5
770-4242	42	0.5

Tech Sheet 10619

S Series, BSPP, Flow Towards Thread

0291	OD mm	Thread
RZ-6S-2RG	6	1/8"
RZ-8S-4RG	8	1/4"
RZ-10S-4RG	10	1/4"
RZ-12S-6RG	12	3/8"
RZ-14S-8RG	14	1/2"
RZ-16S-8RG	16	1/2"
RZ-20S-12RG	20	3/4"
RZ-25S-16RG	25	1"
RZ-30S-20RG	30	1.1/4"
RZ-38S-24RG	38	1.1/2"

S Series, BSPP, Flow Away From Thread

0291	OD mm	Thread
RV-6S-2RG	6	1/8"
RV-8S-4RG	8	1/4"
RV-10S-4RG	10	1/4"
RV-12S-6RG	12	3/8"
RV-14S-8RG	14	1/2"
RV-16S-8RG	16	1/2"
RV-20S-12RG	20	3/4"
RV-25S-16RG	25	1"
RV-30S-20RG	30	1.1/4"
RV-38S-24RG	38	1.1/2"

S Series, Tube x Tube

0291	OD mm
RD-6S	6
RD-8S	8
RD-10S	10
RD-12S	12
RD-14S	14
RD-16S	16
RD-20S	20
RD-25S	25
RD-30S	30
RD-38S	38

Tech Sheet 10619

Blanking Plugs, Threaded



BSPP

0291	Thread
VSTI-2EO	1/8"
VSTI-4EO	1/4"
VSTI-6EO	3/8"
VSTI-8EO	1/2"
VSTI-12EO	3/4"
VSTI-16EO	1"
VSTI-20EO	1.1/4"
VSTI-24EO	1.1/2"

Tech Sheet 10620

Metric

0291	Thread
VSTI-10M	M10 x 1
VSTI-12M	M12 x 1.5
VSTI-14M	M14 x 1.5
VSTI-16M	M16 x 1.5
VSTI-18M	M18 x 1.5
VSTI-20M	M20 x 1.5
VSTI-22M	M22 x 1.5
VSTI-26M	M26 x 1.5
VSTI-27M	M27 x 2
VSTI-33M	M33 x 2
VSTI-42M	M42 x 2
VSTI-48M	M48 x 2

Tech Sheet 10620

Blanking Plugs



L Series

0291	OD mm
VKA-6L	6
VKA-8L	8
VKA-10L	10
VKA-12L	12
VKA-15L	15
VKA-18L	18
VKA-22L	22
VKA-28L	28
VKA-35L	35
VKA-42L	42

Tech Sheet 10621

S Series

0291	OD mm
VKA-6S	6
VKA-8S	8
VKA-10S	10
VKA-12S	12
VKA-14S	14
VKA-16S	16
VKA-20S	20
VKA-25S	25
VKA-30S	30
VKA-38S	38

Tech Sheet 10621

Blanking Ends



L Series

0291	OD mm
ROV-6L	6
ROV-8L	8
ROV-10L	10
ROV-12L	12
ROV-15L	15
ROV-18L	18
ROV-22L	22
ROV-28L	28
ROV-35L	35
ROV-42L	42

Tech Sheet 10622

S Series

0291	OD mm
ROV-6S	6
ROV-8S	8
ROV-10S	10
ROV-12S	12
ROV-14S	14
ROV-16S	16
ROV-20S	20
ROV-25S	25
ROV-30S	30
ROV-38S	38

Tech Sheet 10622

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Nut



L Series

0291	OD mm
M-6L-FT	6
M-8L-FT	8
M-10L-FT	10
M-12L-FT	12
M-15L-FT	15
M-18L-FT	18
M-22L-FT	22
M-28L-FT	28
M-35L-FT	35
M-42L-FT	42

Tech Sheet 10623

S Series

0291	OD mm
M-6S-FT	6
M-8S-FT	8
M-10S-FT	10
M-12S-FT	12
M-14S-FT	14
M-16S-FT	16
M-20S-FT	20
M-25S-FT	25
M-30S-FT	30
M-38S-FT	38

Tech Sheet 10623

Compression Ring

- Hardened, nickel plated.



L Series

0291	OD mm
DPR-6L	6
DPR-8L	8
DPR-10L	10
DPR-12L	12
DPR-15L	15
DPR-18L	18
DPR-22L	22
DPR-28L	28
DPR-35L	35
DPR-42L	42

Tech Sheet 10624

S Series

0291	OD mm
DPR-6S	6
DPR-8S	8
DPR-10S	10
DPR-12S	12
DPR-14S	14
DPR-16S	16
DPR-20S	20
DPR-25S	25
DPR-30S	30
DPR-38S	38

Tech Sheet 10624

Seals



Banjo Couplings

0291	Thread
DKR-2RG	1/8"
DKR-4RG	1/4"
DKR-6RG	3/8"
DKR-8RG	1/2"
DKR-12RG	3/4"
DKR-16RG	1"
DKR-20RG	1.1/4"
DKR-24RG	1.1/2"



Gauge Couplings

0291	Thread
DKRI-4RG	1/4"
DKRI-8RG	1/2"



Viton

0291	Thread
WD-10X1	M10 x 1 (1/8")
WD-12X1.5	M12 x 1.5
WD-14X1.5	M14 x 1.5 (1/4")
WD-16X1.5	M16 x 1.5
WD-3/8	3/8"
WD-18X1.5	M18 x 1.5
WD-20X1.5	M20 x 1.5
WD-1/2	1/2"
WD-26X1.5	M26 x 1.5 (3/4")
WD-22X1.5	M22 x 1.5
WD-27X2	M27 x 2 (3/4")
WD-33X2	M33 x 2 (1")
WD-42X2	M42 x 2 (1.1/4")
WD-48X2	M48 x 2 (1.1/2")

For **Hose & Pipe Cleaning Kits**
see page 49



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Technical details of ISO 8434-1 24° Fittings
Cone sealing couplings with 24° Cone and O-ring - FPM

There are several advantages to using DKO couplings:

- They are simple to assemble with low torque requirements.
- There is a wide variety of couplings to choose from.
- They are also easy to combine with each other.
- Additionally, DKO couplings have a super low leakage rate thanks to the O-ring sealing.

Straight Swivel Unions - DKO



L Series

0291	OD mm	Thread
GV-DKOL-06	6	M12 x 1.5
GV-DKOL-08	8	M 4 x 1.5
GV-DKOL-10	10	M16 x 1.5
GV-DKOL-12	12	M18 x 1.5
GV-DKOL-15	15	M22 x 1.5
GV-DKOL-18	18	M26 x 1.5
GV-DKOL-22	22	M30 x 2
GV-DKOL-28	28	M36 x 2
GV-DKOL-35	35	M45 x 2
GV-DKOL-42	42	M52 x 2

Tech Sheet 71713

S Series

0291	OD mm	Thread
GV-DKOS-06	6	M14 x 1.5
GV-DKOS-08	8	M16 x 1.5
GV-DKOS-10	10	M18 x 1.5
GV-DKOS-12	12	M20 x 1.5
GV-DKOS-14	14	M22 x 1.5
GV-DKOS-16	16	M24 x 1.5
GV-DKOS-20	20	M30 x 2
GV-DKOS-25	25	M36 x 2
GV-DKOS-30	30	M42 x 2
GV-DKOS-38	38	M52 x 2

Tech Sheet 71713

Straight Swivel Reducers - DKO



L/L Series

0291	OD mm	OD mm
GVR-DKO-08L/06L	8	6
GVR-DKO-10L/06L	10	6
GVR-DKO-10L/08L	10	8
GVR-DKO-12L/06L	12	6
GVR-DKO-12L/08L	12	8
GVR-DKO-12L/10L	12	10
GVR-DKO-15L/08L	15	8
GVR-DKO-15L/10L	15	10
GVR-DKO-15L/12L	15	12
GVR-DKO-18L/10L	18	10
GVR-DKO-18L/12L	18	12
GVR-DKO-18L/15L	18	15
GVR-DKO-22L/12L	22	12
GVR-DKO-22L/15L	22	15
GVR-DKO-22L/18L	22	18
GVR-DKO-28L/15L	28	15
GVR-DKO-28L/18L	28	18
GVR-DKO-28L/22L	28	22
GVR-DKO-35L/18L	35	18
GVR-DKO-35L/22L	35	22
GVR-DKO-35L/28L	35	28
GVR-DKO-42L/22L	42	22
GVR-DKO-42L/28L	42	28
GVR-DKO-42L/35L	42	35

Tech Sheet 71714

S/S Series

0291	OD mm	OD mm
GVR-DKO-08S/06S	8	6
GVR-DKO-10S/06S	10	6
GVR-DKO-10S/08S	10	8
GVR-DKO-12S/06S	12	6
GVR-DKO-12S/08S	12	8
GVR-DKO-12S/10S	12	10
GVR-DKO-16S/10S	16	10
GVR-DKO-16S/12S	16	12
GVR-DKO-16S/14S	16	14
GVR-DKO-20S/12S	20	12
GVR-DKO-20S/14S	20	14
GVR-DKO-20S/16S	20	16
GVR-DKO-25S/16S	25	16
GVR-DKO-25S/20S	25	20
GVR-DKO-30S/16S	30	16
GVR-DKO-30S/20S	30	20
GVR-DKO-30S/25S	30	25
GVR-DKO-38S/20S	38	20
GVR-DKO-38S/25S	38	25
GVR-DKO-38S/30S	38	30

Tech Sheet 71714

L/S Series

0291	OD mm	OD mm
GVR-DKO-06L/06S	6	6
GVR-DKO-08L/06S	8	6
GVR-DKO-08L/08S	8	8
GVR-DKO-10L/10S	10	10
GVR-DKO-12L/10S	12	10
GVR-DKO-12L/12S	12	12
GVR-DKO-15L/12S	15	12
GVR-DKO-15L/14S	15	14
GVR-DKO-18L/16S	18	16
GVR-DKO-22L/20S	22	20
GVR-DKO-28L/25S	28	25
GVR-DKO-35L/30S	35	30
GVR-DKO-42L/38S	42	38

Tech Sheet 71715

S/L Series

0291	OD mm	OD mm
GVR-DKO-10S/08L	10	8
GVR-DKO-12S/08L	12	8
GVR-DKO-12S/10L	12	10
GVR-DKO-16S/10L	16	10
GVR-DKO-16S/12L	16	12
GVR-DKO-16S/15L	16	15
GVR-DKO-20S/18L	20	18
GVR-DKO-25S/18L	25	18
GVR-DKO-25S/22L	25	22
GVR-DKO-30S/28L	30	28
GVR-DKO-38S/35L	38	35

Tech Sheet 71715

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Adjustable Elbows - DKO



L Series, Metric, Female Thread

0291	OD mm	Thread
EW-DKOL-06	6	M12 x 1,5
EW-DKOL-08	8	M14 x 1,5
EW-DKOL-10	10	M16 x 1,5
EW-DKOL-12	12	M18 x 1,5
EW-DKOL-15	15	M22 x 1,5
EW-DKOL-18	18	M26 x 1,5
EW-DKOL-22	22	M30 x 2
EW-DKOL-28	28	M36 x 2
EW-DKOL-35	35	M45 x 2
EW-DKOL-42	42	M52 x 2

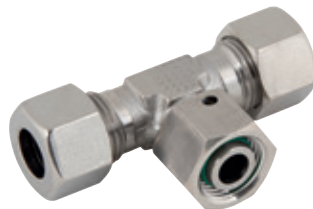
Tech Sheet 71716

S Series, Metric, Female Thread

0291	OD mm	Thread
EW-DKOS-06	6	M14 x 1,5
EW-DKOS-08	8	M16 x 1,5
EW-DKOS-10	10	M18 x 1,5
EW-DKOS-12	12	M20 x 1,5
EW-DKOS-14	14	M22 x 1,5
EW-DKOS-16	16	M24 x 1,5
EW-DKOS-20	20	M30 x 2
EW-DKOS-25	25	M36 x 2
EW-DKOS-30	30	M42 x 2
EW-DKOS-38	38	M52 x 2

Tech Sheet 71716

Adjustable Branch Tees - DKO



L Series, Metric, Female Thread

0291	OD mm	Thread
ET-DKOL-06	6	M12 x 1,5
ET-DKOL-08	8	M14 x 1,5
ET-DKOL-10	10	M16 x 1,5
ET-DKOL-12	12	M18 x 1,5
ET-DKOL-15	15	M22 x 1,5
ET-DKOL-18	18	M26 x 1,5
ET-DKOL-22	22	M30 x 2
ET-DKOL-28	28	M36 x 2
ET-DKOL-35	35	M45 x 2
ET-DKOL-42	42	M52 x 2

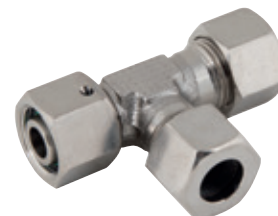
Tech Sheet 71717

S Series, Metric, Female Thread

0291	OD mm	OD mm
ET-DKOS-06	6	M14 x 1,5
ET-DKOS-08	8	M16 x 1,5
ET-DKOS-10	10	M18 x 1,5
ET-DKOS-12	12	M20 x 1,5
ET-DKOS-14	14	M22 x 1,5
ET-DKOS-16	16	M24 x 1,5
ET-DKOS-20	20	M30 x 2
ET-DKOS-25	25	M36 x 2
ET-DKOS-30	30	M42 x 2
ET-DKOS-38	38	M52 x 2

Tech Sheet 71717

Adjustable Run Tees - DKO



L Series, Metric, Female Thread

0291	OD mm	Thread
EL-DKOL-06	6	M12 x 1,5
EL-DKOL-08	8	M14 x 1,5
EL-DKOL-10	10	M16 x 1,5
EL-DKOL-12	12	M18 x 1,5
EL-DKOL-15	15	M22 x 1,5
EL-DKOL-18	18	M26 x 1,5
EL-DKOL-22	22	M30 x 2
EL-DKOL-28	28	M36 x 2
EL-DKOL-35	35	M45 x 2
EL-DKOL-42	42	M52 x 2

Tech Sheet 71718

S Series, Metric, Female Thread

0291	OD mm	Thread
EL-DKOS-06	6	M14 x 1,5
EL-DKOS-08	8	M16 x 1,5
EL-DKOS-10	10	M18 x 1,5
EL-DKOS-12	12	M20 x 1,5
EL-DKOS-14	14	M22 x 1,5
EL-DKOS-16	16	M24 x 1,5
EL-DKOS-20	20	M30 x 2
EL-DKOS-25	25	M36 x 2
EL-DKOS-30	30	M42 x 2
EL-DKOS-38	38	M52 x 2

Tech Sheet 71718

stainless
steel

For **Stainless Steel Hydraulic Ball Valves**
see page 242



316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

🌡️ **Stainless Steel 1.4571 Working Temperature:**
-60°C to +400°C (DIN 17 440, AD W 10)

Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Reducing Couplings - DKO



L Series

0291	OD mm	OD mm
RED-DKOL-08/06	8	6
RED-DKOL-10/06	10	6
RED-DKOL-10/08	10	8
RED-DKOL-12/06	12	6
RED-DKOL-12/08	12	8
RED-DKOL-12/10	12	10
RED-DKOL-15/06	15	6
RED-DKOL-15/08	15	8
RED-DKOL-15/10	15	10
RED-DKOL-15/12	15	12
RED-DKOL-18/06	18	6
RED-DKOL-18/08	18	8
RED-DKOL-18/10	18	10
RED-DKOL-18/12	18	12
RED-DKOL-18/15	18	15
RED-DKOL-22/06	22	6
RED-DKOL-22/08	22	8
RED-DKOL-22/10	22	10
RED-DKOL-22/12	22	12
RED-DKOL-22/15	22	15
RED-DKOL-22/18	22	18
RED-DKOL-28/06	28	6
RED-DKOL-28/08	28	8
RED-DKOL-28/10	28	10
RED-DKOL-28/12	28	12
RED-DKOL-28/15	28	15
RED-DKOL-28/18	28	18
RED-DKOL-28/22	28	22
RED-DKOL-35/06	35	6
RED-DKOL-35/08	35	8
RED-DKOL-35/10	35	10
RED-DKOL-35/12	35	12
RED-DKOL-35/15	35	15
RED-DKOL-35/18	35	18
RED-DKOL-35/22	35	22
RED-DKOL-35/28	35	28
RED-DKOL-42/06	42	6
RED-DKOL-42/08	42	8
RED-DKOL-42/10	42	10
RED-DKOL-42/12	42	12
RED-DKOL-42/15	42	15
RED-DKOL-42/18	42	18
RED-DKOL-42/22	42	22
RED-DKOL-42/28	42	28
RED-DKOL-42/35	42	35

Tech Sheet 71719

S Series

0291	OD mm	OD mm
RED-DKOS-08/06	8	6
RED-DKOS-10/06	10	6
RED-DKOS-10/08	10	8
RED-DKOS-12/06	12	6
RED-DKOS-12/08	12	8
RED-DKOS-12/10	12	10
RED-DKOS-14/06	14	6
RED-DKOS-14/08	14	8
RED-DKOS-14/10	14	10
RED-DKOS-14/12	14	12
RED-DKOS-16/06	16	6
RED-DKOS-16/08	16	8
RED-DKOS-16/10	16	10
RED-DKOS-16/12	16	12
RED-DKOS-16/14	16	14
RED-DKOS-20/06	20	6
RED-DKOS-20/08	20	8
RED-DKOS-20/10	20	10
RED-DKOS-20/12	20	12
RED-DKOS-20/14	20	14
RED-DKOS-20/16	20	16
RED-DKOS-25/06	25	6
RED-DKOS-25/08	25	8
RED-DKOS-25/10	25	10
RED-DKOS-25/12	25	12
RED-DKOS-25/14	25	14
RED-DKOS-25/16	25	16
RED-DKOS-25/20	25	20
RED-DKOS-30/06	30	6
RED-DKOS-30/08	30	8
RED-DKOS-30/10	30	10
RED-DKOS-30/12	30	12
RED-DKOS-30/14	30	14
RED-DKOS-30/16	30	16
RED-DKOS-30/20	30	20
RED-DKOS-30/25	30	25
RED-DKOS-38/06	38	6
RED-DKOS-38/08	38	8
RED-DKOS-38/10	38	10
RED-DKOS-38/12	38	12
RED-DKOS-38/14	38	14
RED-DKOS-38/16	38	16
RED-DKOS-38/20	38	20
RED-DKOS-38/25	38	25
RED-DKOS-38/30	38	30

Tech Sheet 71720

stainless
steel



Swivel Female - Male, Connectors - DKO



L Series

0291	OD mm	Thread BSPP
EGE-DKO-06L-2EO	6	1/8"
EGE-DKO-06L-4EO	6	1/4"
EGE-DKO-06L-6EO	6	3/8"
EGE-DKO-08L-2EO	8	1/8"
EGE-DKO-08L-4EO	8	1/4"
EGE-DKO-08L-6EO	8	3/8"
EGE-DKO-08L-8EO	8	1/2"
EGE-DKO-10L-2EO	10	1/8"
EGE-DKO-10L-4EO	10	1/4"
EGE-DKO-10L-6EO	10	3/8"
EGE-DKO-10L-8EO	10	1/2"
EGE-DKO-12L-2EO	12	1/8"
EGE-DKO-12L-4EO	12	1/4"
EGE-DKO-12L-6EO	12	3/8"
EGE-DKO-12L-8EO	12	1/2"
EGE-DKO-15L-6EO	15	3/8"
EGE-DKO-15L-8EO	15	1/2"
EGE-DKO-15L-12EO	15	3/4"
EGE-DKO-18L-6EO	18	3/8"
EGE-DKO-18L-8EO	18	1/2"
EGE-DKO-18L-12EO	18	3/4"
EGE-DKO-22L-8EO	22	1/2"
EGE-DKO-22L-12EO	22	3/4"
EGE-DKO-22L-16EO	22	1"
EGE-DKO-28L-12EO	28	3/4"
EGE-DKO-28L-16EO	28	1"
EGE-DKO-35L-20EO	35	1.1/4"
EGE-DKO-42L-20EO	42	1.1/4"
EGE-DKO-42L-24EO	42	1.1/2"

Tech Sheet 71721

S Series

0291	OD mm	Thread BSPP
EGE-DKO-06S-4EO	6	1/4"
EGE-DKO-08S-4EO	8	1/4"
EGE-DKO-08S-6EO	8	3/8"
EGE-DKO-10S-4EO	10	1/4"
EGE-DKO-10S-6EO	10	3/8"
EGE-DKO-10S-8EO	10	1/2"
EGE-DKO-12S-4EO	12	1/4"
EGE-DKO-12S-6EO	12	3/8"
EGE-DKO-12S-8EO	12	1/2"
EGE-DKO-14S-8EO	14	1/2"
EGE-DKO-16S-6EO	16	3/8"
EGE-DKO-16S-8EO	16	1/2"
EGE-DKO-16S-12EO	16	3/4"
EGE-DKO-20S-8EO	20	1/2"
EGE-DKO-20S-12EO	20	3/4"
EGE-DKO-20S-16EO	20	1"
EGE-DKO-25S-12EO	25	3/4"
EGE-DKO-25S-16EO	25	1"
EGE-DKO-30S-16EO	30	1"
EGE-DKO-30S-20EO	30	1.1/4"
EGE-DKO-38S-24EO	38	1.1/2"

Tech Sheet 71721

316 STAINLESS STEEL DIN EN ISO 8434-1 TUBE FITTINGS (FORMERLY DIN 2353)

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)
Seal Working Temperature:
-20°C to +200°C (FPM/Viton)

Banjo Elbows



LL Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
WHV-4LL-2EO-WDS	4	1/8"
WHV-6LL-2EO-WDS	6	1/8"
WHV-8LL-2EO-WDS	8	1/8"

Tech Sheet 71722

L Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
WHV-06L-2EO-WDS	6	1/8"
WHV-08L-4EO-WDS	8	1/4"
WHV-10L-4EO-WDS	10	1/4"
WHV-10L-6EO-WDS	10	3/8"
WHV-12L-4EO-WDS	12	1/4"
WHV-12L-6EO-WDS	12	3/8"
WHV-12L-8EO-WDS	12	1/2"
WHV-15L-8EO-WDS	15	1/2"
WHV-18L-8EO-WDS	18	1/2"
WHV-22L-12EO-WDS	22	3/4"
WHV-28L-16EO-WDS	28	1"
WHV-35L-20EO-WDS	35	1.1/4"
WHV-42L-24EO-WDS	42	1.1/2"

Tech Sheet 71722

S Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
WHV-06S-4EO-WDS	6	1/4"
WHV-08S-4EO-WDS	8	1/4"
WHV-10S-4EO-WDS	10	1/4"
WHV-10S-6EO-WDS	10	3/8"
WHV-12S-6EO-WDS	12	3/8"
WHV-14S-8EO-WDS	14	1/2"
WHV-16S-8EO-WDS	16	1/2"
WHV-20S-12EO-WDS	20	3/4"
WHV-25S-16EO-WDS	25	1"
WHV-30S-20EO-WDS	30	1.1/4"
WHV-38S-24EO-WDS	38	1.1/2"

Tech Sheet 71722

Banjo Tees



LL Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
THV-4LL-2EO-WDS	4	1/8"
THV-6LL-2EO-WDS	6	1/8"
THV-8LL-2EO-WDS	8	1/8"

Tech Sheet 71723

L Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
THV-06L-2EO-WDS	6	1/8"
THV-08L-4EO-WDS	8	1/4"
THV-10L-4EO-WDS	10	1/4"
THV-12L-4EO-WDS	12	1/4"
THV-12L-6EO-WDS	12	3/8"
THV-15L-8EO-WDS	15	1/2"
THV-18L-8EO-WDS	18	1/2"
THV-22L-12EO-WDS	22	3/4"
THV-28L-16EO-WDS	28	1"
THV-35L-20EO-WDS	35	1.1/4"
THV-42L-24EO-WDS	42	1.1/2"

Tech Sheet 71723

S Series, BSPP, WDS, Standard

0291	OD mm	Thread BSPP
THV-06S-4EO-WDS	6	1/4"
THV-08S-4EO-WDS	8	1/4"
THV-10S-4EO-WDS	10	1/4"
THV-10S-6EO-WDS	10	3/8"
THV-12S-6EO-WDS	12	3/8"
THV-14S-8EO-WDS	14	1/2"
THV-16S-8EO-WDS	16	1/2"
THV-20S-12EO-WDS	20	3/4"
THV-25S-16EO-WDS	25	1"
THV-30S-20EO-WDS	30	1.1/4"
THV-38S-24EO-WDS	38	1.1/2"

Tech Sheet 71723

One-Bite Cutting Rings - SPH Finish



LL Series Sealing Ring with SPH Finish

0291	OD mm
SR-LL-04/1 K-SPH	4
SR-LL-06/1 K-SPH	6
SR-LL-08/1 K-SPH	8

Tech Sheet 71724

Double-Bite Cutting Rings - SPH Finish



L Series Sealing Ring with SPH Finish

0291	OD mm
SR-L-06/2 K-SPH	6
SR-L-08/2 K-SPH	8
SR-L-10/2 K-SPH	10
SR-L-12/2 K-SPH	12
SR-L-15/2 K-SPH	15
SR-L-18/2 K-SPH	18
SR-L-22/2 K-SPH	22
SR-L-28/2 K-SPH	28
SR-L-35/2 K-SPH	35
SR-L-42/2 K-SPH	42

Tech Sheet 71724

S Series Sealing Ring with SPH Finish

0291	OD mm
SR-S-06/2 K-SPH	6
SR-S-08/2 K-SPH	8
SR-S-10/2 K-SPH	10
SR-S-12/2 K-SPH	12
SR-S-16/2 K-SPH	16
SR-S-20/2 K-SPH	20
SR-S-25/2 K-SPH	25
SR-S-30/2 K-SPH	30
SR-S-38/2 K-SPH	38

Tech Sheet 71724

STAINLESS STEEL COMPONENT PARTS

stainless
steel



Silver Plated Stainless Steel Nuts (AGP)

There is a high risk for cold welding (gripping) at the threads without silver-coating.

Together with ABF-grease easy assembly due to reduction in tightening torque by up to 70%.

Reduced torsion load to the coupling body.

Applications: Marine industry.



Light-duty

0294	Thread	OD mm
M18L-1.4571AGP	M26 x 1.5	18
M22L-1.4571AGP	M30 x 2	22
M28L-1.4571AGP	M36 x 2	28
M35L-1.4571AGP	M45 x 2	35

Heavy-duty

0294	Thread	OD mm
M20S-1.4571AGP	M30 x 2	20
M25S-1.4571AGP	M36 x 2	25
M30S-1.4571AGP	M42 x 2	30
M38S-1.4571AGP	M52 x 2	38

ABF Anti Bloc Grease

Special grease for the installation of stainless couplings, material 1.4571.

Applications: Marine industry.

To avoid gripping and reduce the coefficient of friction.



1000g Can

0294	Grams
ANTI-BLOC 1KG	1000



100g Tube

0294	Grams
ANTI-BLOC 100G	100

stainless
steel

For **Stainless Steel Tubing**
see page **183**



INTRODUCING TWIN FERRULE TUBE COMPRESSION FITTINGS

stainless steel



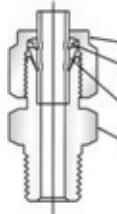
Panam Instrumentation tube fittings provide a zero leak proof seal which will withstand high pressure, impulse, vibration and temperature. These features offer high safety and maintenance free smooth working. Each component is precision machined to the most accurate tolerance; maintain TQM practices throughout manufacturing process.

The fittings are manufactured in accordance with ISO9001 quality standards and CE marking requirements with complete traceability records available upon request.

Available in 316 SS, Brass, CS, Monel materials in a variety of end connections. Straight fittings are machined from bar stock and shaped bodies are machined from forgings.

The fittings are used on instrumentation process control systems, analysers and environmental equipment in oil and gas, Petro-chemical, Power generation, Pulp and Paper industry and many more.

Functions



Compression nut Threads are silver plated which prevents galling. Back Ferrule locks together the fittings and tube forms a primary Seal which absorbs the pressure pulses and vibration.

Front Ferrule Forms a secondary seal which connects tube and fitting and guarantees a bubble tight Zero Leak Sealing.

Rugged body construction, high precision machined surface and standardised tolerances provides maximum trouble free service life in severe working conditions.

The above illustrates sealing action of a Tube Fitting assembly which takes place after the assembly is fully tightened

Assembly Instructions

SIZE M6 thru M25 (6mm-25mm) SIZE M3 thru M4 (3mm-4mm)



1-1/4 Turns from Finger Tight



Only 3/4 Turn from Finger Tight is necessary to seal and will result in additional remakes of the fitting

- 1 Insert the tubing in to the Tube Fitting until it comes up to the tube stop.
- 2 Ensure that the nut is finger tight and tighten the nut 1-1/4 turns as shown in figure.
- 3 For 1/8" and 3/16 Fittings only 3/4 turns as shown in Fig-3.

Identification of Twin Ferrule Fittings



Metric Tube End with Stepped Shoulder on Nut and Fitting

Imperial Tube End

The Metric size of the Fittings have extra stepped shoulder on the body and nut to distinguish them from imperial size.

All Dimensions are in mm unless otherwise stated. Dimensions are for reference only, subject to change.

Material Standards

Material	Bar Stock a	Forging b	Tubing
316 Stainless Steel	ASTM A276 ASME SA479	ASTM A182 ASME SA182	ASME-SA-213 / ASTM-A-213/ ASTM-A-249 / ASTM-A-269 / MIL T-88504 / MIL T-8506
Brass	ASTM B16	ASTM B283	ASTM-B75 / ASME-SB75 (TEMPER "O")
Alloy 400	ASTM B164 ASME SB164	ASTM B564 ASME SB564	
Alloy 600	ASTM B166 ASME SB166	ASTM B564 ASME SB564	ASTM-B-163
Alloy C-276	ASTM B574	ASTM SB564	ASTM-B-622 / ASTM-B-626
Carbon Steel	ASTM A108		SAE J524b / SAE J525b / ASTM-A-179
PTFE	ASTM D1710	ASTM D3293	

A includes straight configuration B includes all elbows, crosses and tees

Stress Values based on ASME B31.3 Code for Process Piping

Material	Allowable Stress Value		Design Factor	Ultimate Tensile Strength	
	Psig	bar		Psig	bar
316SS	20000	1378	3.75:1	75000	5170
Brass	10000	689	4:1	40000	2760
Steel	20000	1378	3:1	60000	4140

Pipe End Pressure Ratings

Calculations based on ASME B31.3 code for Process Piping

NPT/ISO Pipe Size Inches	316 SS and Carbon Steel				Brass			
	Male		Female		Male		Female	
	Psig	bar	Psig	bar	Psig	bar	Psig	bar
1/16	11000	760	6700	460	5500	380	3300	230
1/8	10000	690	6500	440	5000	340	3200	220
1/4	8000	550	6600	450	4000	270	3300	220
3/8	7800	540	5300	360	3900	270	2600	180
1/2	7700	530	4900	330	3800	260	2400	160
3/4	7300	500	4600	320	3600	250	2300	160
1	5300	370	4400	300	2600	180	2200	150
1.1/4	6000	410	5000	350	3000	200	2500	170
1.1/2	5000	340	4600	310	2500	170	2300	150
2	3900	270	3900	270	1900	130	1900	130

To determine working pressure ratings in accordance with ASME B31.1 Power Piping For 316 stainless steel, multiply psig by 0.94; for carbon steel multiply psig by 0.75; Brass ratings remain the same. To determine working pressure kPa multiply psig by 6.89

SAE Pressure Ratings

Pressure Ratings are from SAE J1926/3

SAE/MS Thread Size	316 SS and Carbon Steel			
	(Nonpositionable)		(Positionable)	
	Psig	bar	Psig	bar
5/16-24				
7/16-20			4568	315
1/2-20	4568	315		
9/16-18			3626	250
3/4-16				
7/8-14	3626	250	2900	200
1.1/16-12				
1.3/16-12	2900	200	2320	160
1.5/16-12				
1.5/8-12	2320	160	1813	125
1.7/8-12				
1.1/2-12	1813	125	1450	100

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Male Connectors



Male Thread, NPT

0292	OD	Thread
MC-125-125N	1/8"	1/8"
MC-125-250N	1/8"	1/4"
MC-125-375N	1/8"	3/8"
MC-125-500N	1/8"	1/2"
MC-187-125N	3/16"	1/8"
MC-187-250N	3/16"	1/4"
MC-250-125N	1/4"	1/8"
MC-250-250N	1/4"	1/4"
MC-250-375N	1/4"	3/8"
MC-250-500N	1/4"	1/2"
MC-250-750N	1/4"	3/4"
MC-312-125N	5/16"	1/8"
MC-312-250N	5/16"	1/4"
MC-312-375N	5/16"	3/8"
MC-312-500N	5/16"	1/2"
MC-375-125N	5/16"	1/8"
MC-375-250N	3/8"	1/4"
MC-375-375N	3/8"	3/8"
MC-375-500N	3/8"	1/2"
MC-375-750N	3/8"	3/4"
MC-500-125N	1/2"	1/8"
MC-500-250N	1/2"	1/4"
MC-500-375N	1/2"	3/8"
MC-500-500N	1/2"	1/2"
MC-500-750N	1/2"	3/4"
MC-500-1000N	1/2"	1"
MC-625-375N	5/8"	3/8"
MC-625-500N	5/8"	1/2"
MC-625-750N	5/8"	3/4"
MC-750-500N	3/4"	1/2"
MC-750-750N	3/4"	3/4"
MC-750-1000N	3/4"	1"
MC-875-750N	7/8"	3/4"
MC-875-1000N	7/8"	1"
MC-1000-500N	1"	1/2"
MC-1000-750N	1"	3/4"
MC-1000-1000N	1"	1"

Tech Sheet 20234



Male Thread, BSPT

0292	OD	Thread
MC-125-125RT	1/8"	1/8"
MC-125-250RT	1/8"	1/4"
MC-250-125RT	1/4"	1/8"
MC-250-250RT	1/4"	1/4"
MC-250-375RT	1/4"	3/8"
MC-250-500RT	1/4"	1/2"
MC-312-125RT	5/16"	1/8"
MC-312-250RT	5/16"	1/4"
MC-375-125RT	3/8"	1/8"
MC-375-250RT	3/8"	1/4"
MC-375-375RT	3/8"	3/8"
MC-375-500RT	3/8"	1/2"
MC-500-250RT	1/2"	1/4"
MC-500-375RT	1/2"	3/8"
MC-500-500RT	1/2"	1/2"
MC-500-750RT	1/2"	3/4"
MC-750-750RT	3/4"	3/4"
MC-1000-1000RT	1"	1"

Tech Sheet 20233



Male Thread, SAE/MS

0292	OD	Thread
MC-125-312SE	1/8"	5/16"-24
MC-125-562SE	1/8"	9/16"-18
MC-250-437SE	1/4"	7/16"-20
MC-250-750SE	1/4"	3/4"-16
MC-250-875SE	1/4"	7/8"-14
MC-312-500SE	5/16"	1/2"-20
MC-375-437SE	3/8"	7/16"-20
MC-375-562SE	3/8"	9/16"-18
MC-375-750SE	3/8"	3/4"-16
MC-375-875SE	3/8"	7/8"-14
MC-500-562SE	1/2"	9/16"-18
MC-500-750SE	1/2"	3/4"-16
MC-500-875SE	1/2"	7/8"-14
MC-500-1062SE	1/2"	1.1/16"-12
MC-625-750SE	5/8"	3/4"-16
MC-625-875SE	5/8"	7/8"-14
MC-750-750SE	3/4"	3/4"-16
MC-750-1062SE	3/4"	1.1/16"-12
MC-875-1187SE	7/8"	1.3/16"-12
MC-1000-1062SE	1"	1.1/16"-12
MC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20807



Male Thread, SAE/MS (Long)

0292	OD	Thread
LMC-250-437SE	1/4"	7/16"-20
LMC-312-500SE	5/16"	1/2"-20
LMC-375-562SE	3/8"	9/16"-18
LMC-500-750SE	1/2"	3/4"-16
LMC-625-875SE	5/8"	7/8"-14
LMC-750-1062SE	3/4"	1.1/16"-12
LMC-875-1187SE	7/8"	1.3/16"-12
LMC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20808



Male Thread, SAE/MS (Captive Seal)

0292	OD	Thread
OMC-125-312SE	1/8"	5/16"-24
OMC-187-375SE	3/16"	3/8"-24
OMC-250-437SE	1/4"	7/16"-20
OMC-312-500SE	5/16"	1/2"-20
OMC-375-562SE	3/8"	9/16"-18
OMC-500-750SE	1/2"	3/4"-16
OMC-750-1062SE	3/4"	1.1/16"-12
OMC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20809

Male Thread, BSPP (Captive Seal)

0292	OD	Thread
OMC-250-250EO	1/4"	1/4"
OMC-250-500EO	1/4"	1/2"
OMC-375-375EO	3/8"	3/8"
OMC-500-250EO	1/2"	1/4"
OMC-500-375EO	1/2"	3/8"
OMC-500-500EO	1/2"	1/2"
OMC-750-750EO	3/4"	3/4"

Tech Sheet 20809

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Male Connectors

Stainless steel washer with a Viton inner ring.



Male Thread-RS, BSPP

0292	OD	Thread
MC-125-125RS	1/8"	1/8"
MC-125-250RS	1/8"	1/4"
MC-125-375RS	1/8"	3/8"
MC-250-125RS	1/4"	1/8"
MC-250-250RS	1/4"	1/4"
MC-250-375RS	1/4"	3/8"
MC-250-500RS	1/4"	1/2"
MC-375-250RS	3/8"	1/4"
MC-375-375RS	3/8"	3/8"
MC-375-500RS	3/8"	1/2"
MC-500-250RS	1/2"	1/4"
MC-500-375RS	1/2"	3/8"
MC-500-500RS	1/2"	1/2"
MC-750-500RS	3/4"	1/2"
MC-750-750RS	3/4"	3/4"
MC-1000-500RS	1"	1/2"
MC-1000-1000RS	1"	1"

Tech Sheet 20810

Female Connectors



Female Thread, NPT

0292	OD	Thread
FC-125-125N	1/8"	1/8"
FC-125-250N	1/8"	1/4"
FC-187-125N	3/16"	1/8"
FC-250-125N	1/4"	1/8"
FC-250-250N	1/4"	1/4"
FC-250-375N	1/4"	3/8"
FC-250-500N	1/4"	1/2"
FC-312-125N	5/16"	1/8"
FC-312-250N	5/16"	1/4"
FC-312-375N	5/16"	3/8"
FC-375-125N	3/8"	1/8"
FC-375-250N	3/8"	1/4"
FC-375-375N	3/8"	3/8"
FC-375-500N	3/8"	1/2"
FC-375-750N	3/8"	3/4"
FC-500-250N	1/2"	1/4"
FC-500-375N	1/2"	3/8"
FC-500-500N	1/2"	1/2"
FC-500-750N	1/2"	3/4"
FC-625-375N	5/8"	3/8"
FC-625-500N	5/8"	1/2"
FC-625-750N	5/8"	3/4"
FC-750-500N	3/4"	1/2"
FC-750-750N	3/4"	3/4"
FC-875-750N	7/8"	3/4"
FC-1000-750N	1"	3/4"
FC-1000-1000N	1"	1"

Tech Sheet 20235

Female Thread, BSPT

0292	OD	Thread
FC-250-125RT	1/4"	1/8"
FC-250-250RT	1/4"	1/4"
FC-250-375RT	1/4"	3/8"
FC-250-500RT	1/4"	1/2"
FC-375-250RT	3/8"	1/4"
FC-375-375RT	3/8"	3/8"
FC-375-500RT	3/8"	1/2"
FC-500-250RT	1/2"	1/4"
FC-500-375RT	1/2"	3/8"
FC-500-500RT	1/2"	1/2"

Tech Sheet 20237

Female Thread, BSPP

0292	OD	Thread
FC-250-250RG	1/4"	1/4"
FC-250-375RG	1/4"	3/8"
FC-250-500RG	1/4"	1/2"
FC-312-250RG	5/16"	1/4"
FC-312-500RG	5/16"	1/2"
FC-375-250RG	3/8"	1/4"
FC-375-375RG	3/8"	3/8"
FC-375-500RG	3/8"	1/2"
FC-500-375RG	1/2"	3/8"
FC-500-500RG	1/2"	1/2"

Tech Sheet 20236

Bulkhead Male Connectors

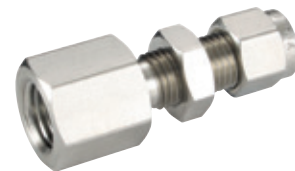


Male Thread, NPT

0292	OD	Thread
BMC-125-125N	1/8"	1/8"
BMC-187-125N	3/16"	1/8"
BMC-250-125N	1/4"	1/8"
BMC-250-250N	1/4"	1/4"
BMC-250-375N	1/4"	3/8"
BMC-250-500N	1/4"	1/2"
BMC-312-125N	5/16"	1/8"
BMC-312-250N	5/16"	1/4"
BMC-375-125N	3/8"	1/8"
BMC-375-250N	3/8"	1/4"
BMC-375-375N	3/8"	3/8"
BMC-500-250N	1/2"	1/4"
BMC-500-375N	1/2"	3/8"
BMC-500-500N	1/2"	1/2"
BMC-500-750N	1/2"	3/4"
BMC-625-375N	5/8"	3/8"
BMC-625-500N	5/8"	1/2"
BMC-750-500N	3/4"	1/2"
BMC-750-750N	3/4"	3/4"
BMC-875-750N	7/8"	3/4"
BMC-1000-750N	1"	3/4"

Tech Sheet 20814

Bulkhead Female Connectors



Female Thread, NPT

0292	OD	Thread
BFC-125-125N	1/8"	1/8"
BFC-187-125N	3/16"	1/8"
BFC-250-125N	1/4"	1/8"
BFC-250-250N	1/4"	1/4"
BFC-312-125N	5/16"	1/8"
BFC-375-250N	3/8"	1/4"
BFC-500-375N	1/2"	3/8"
BFC-500-500N	1/2"	1/2"
BFC-625-500N	5/8"	1/2"
BFC-750-750N	3/4"	3/4"
BFC-875-750N	7/8"	3/4"
BFC-1000-1000N	1"	1"

Tech Sheet 20815

LOCTITE



For Threadlockers
see page 1584

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Unions



Tube x Tube

0292	OD
U-125	1/8"
U-187	3/16"
U-250	1/4"
U-312	5/16"
U-375	3/8"
U-500	1/2"
U-625	5/8"
U-750	3/4"
U-875	7/8"
U-1000	1"

Tech Sheet 20297



Metric Tube x Imperial Tube

0292	OD mm	OD
U-3-125	3	1/8"
U-4-125	4	1/8"
U-4-250	4	1/4"
U-6-125	6	1/8"
U-6-250	6	1/4"
U-6-312	6	5/16"
U-8-250	8	1/4"
U-8-375	8	3/8"
U-10-125	10	1/8"
U-10-250	10	1/4"
U-10-312	10	5/16"
U-10-375	10	3/8"
U-12-312	12	5/16"
U-12-375	12	3/8"
U-12-500	12	1/2"
U-15-500	15	1/2"
U-18-750	18	3/4"
U-20-500	20	1/2"
U-20-1000	20	1"
U-25-1000	25	1"

Tech Sheet 20817

Reducing Unions



Tube x Tube

0292	OD	OD
RU-187-125	3/16"	1/8"
RU-250-125	1/4"	1/8"
RU-250-187	1/4"	3/16"
RU-312-125	5/16"	1/8"
RU-312-250	5/16"	1/4"
RU-375-125	3/8"	1/8"
RU-375-250	3/8"	1/4"
RU-375-312	3/8"	5/16"
RU-500-125	1/2"	1/8"
RU-500-250	1/2"	1/4"
RU-500-375	1/2"	3/8"
RU-625-375	5/8"	3/8"
RU-625-500	5/8"	1/2"
RU-750-250	3/4"	1/4"
RU-750-375	3/4"	3/8"
RU-750-500	3/4"	1/2"
RU-750-625	3/4"	5/8"
RU-1000-500	1"	1/2"
RU-1000-750	1"	3/4"

Tech Sheet 20298

Bulkhead Unions



Tube x Tube

0292	OD
BU-125	1/8"
BU-187	3/16"
BU-250	1/4"
BU-312	5/16"
BU-375	3/8"
BU-500	1/2"
BU-625	5/8"
BU-750	3/4"
BU-1000	1"

Tech Sheet 20238

Male Branch Tees



Male Thread, NPT

0292	OD	Thread
MBT-125-125N	1/8"	1/8"
MBT-125-250N	1/8"	1/4"
MBT-187-125N	3/16"	1/8"
MBT-250-125N	1/4"	1/8"
MBT-250-250N	1/4"	1/4"
MBT-312-125N	5/16"	1/8"
MBT-375-250N	3/8"	1/4"
MBT-375-375N	3/8"	3/8"
MBT-500-375N	1/2"	3/8"
MBT-500-500N	1/2"	1/2"
MBT-625-500N	5/8"	1/2"
MBT-750-750N	3/4"	3/4"

Tech Sheet 20240

Male Positionable Branch Tees



Male Thread, SAE/MS

0292	OD	Thread
MBTP-250-437SE	1/4"	7/16"-20
MBTP-375-562SE	3/8"	9/16"-18
MBTP-500-750SE	1/2"	3/4"-16
MBTP-750-1062SE	3/4"	1.1/16"-12
MBTP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20821

Male Thread, BSPP

0292	OD	Thread
MBTP-250-125PR	1/4"	1/8"
MBTP-250-250PR	1/4"	1/4"
MBTP-375-250PR	3/8"	1/4"
MBTP-500-375PR	1/2"	3/8"
MBTP-500-500PR	1/2"	1/2"
MBTP-625-500PR	5/8"	1/2"
MBTP-750-500PR	3/4"	1/2"
MBTP-750-750PR	3/4"	3/4"
MBTP-1000-1000PR	1"	1"

Tech Sheet 20822

Male Run Tees



Male Thread, NPT

0292	OD	Thread
MRT-125-125N	1/8"	1/8"
MRT-125-250N	1/8"	1/4"
MRT-187-125N	3/16"	1/8"
MRT-250-125N	1/4"	1/8"
MRT-250-250N	1/4"	1/4"
MRT-312-125N	5/16"	1/8"
MRT-375-250N	3/8"	1/4"
MRT-375-375N	3/8"	3/8"
MRT-500-375N	1/2"	3/8"
MRT-500-500N	1/2"	1/2"
MRT-625-500N	5/8"	1/2"
MRT-750-750N	3/4"	3/4"

Tech Sheet 20299

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Male Positionable Run Tees



Male Thread, SAE/MS

0292	OD	Thread
MRTP-250-437SE	1/4"	7/16"-20
MRTP-375-562SE	3/8"	9/16"-18
MRTP-500-750SE	1/2"	3/4"-16
MRTP-750-1062SE	3/4"	1.1/16"-12
MRTP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20824

Male Thread, BSPP

0292	OD	Thread
MRTP-250-125PR	1/4"	1/8"
MRTP-250-250PR	1/4"	1/4"
MRTP-375-250PR	3/8"	1/4"
MRTP-500-375PR	1/2"	3/8"
MRTP-500-500PR	1/2"	1/2"
MRTP-625-500PR	5/8"	1/2"
MRTP-750-500PR	3/4"	1/2"
MRTP-750-750PR	3/4"	3/4"
MRTP-1000-1000PR	1"	1"

Tech Sheet 20825

Female Branch Tees



Female Thread, NPT

0292	OD	Thread
FBT-125-125N	1/8"	1/8"
FBT-250-125N	1/4"	1/8"
FBT-250-250N	1/4"	1/4"
FBT-375-250N	3/8"	1/4"
FBT-375-375N	3/8"	3/8"
FBT-375-500N	3/8"	1/2"
FBT-500-250N	1/2"	1/4"
FBT-500-375N	1/2"	3/8"
FBT-500-500N	1/2"	1/2"
FBT-625-500N	5/8"	1/2"
FBT-750-750N	3/4"	3/4"
FBT-1000-750N	1"	3/4"
FBT-1000-1000N	1"	1"

Tech Sheet 20826

Female Run Tees



Female Thread, NPT

0292	OD	Thread
FRT-125-125N	1/8"	1/8"
FRT-250-125N	1/4"	1/8"
FRT-250-250N	1/4"	1/4"
FRT-375-250N	3/8"	1/4"
FRT-500-375N	1/2"	3/8"
FRT-500-500N	1/2"	1/2"
FRT-750-750N	3/4"	3/4"
FRT-1000-750N	1"	3/4"
FRT-1000-1000N	1"	1"

Tech Sheet 20239

Male Elbows



Male Thread, NPT

0292	OD	Thread
ME-125-125N	1/8"	1/8"
ME-125-250N	1/8"	1/4"
ME-187-125N	3/16"	1/8"
ME-187-250N	3/16"	1/4"
ME-250-125N	1/4"	1/8"
ME-250-250N	1/4"	1/4"
ME-250-375N	1/4"	3/8"
ME-250-500N	1/4"	1/2"
ME-312-125N	5/16"	1/8"
ME-312-250N	5/16"	1/4"
ME-312-375N	5/16"	3/8"
ME-375-125N	3/8"	1/8"
ME-375-250N	3/8"	1/4"
ME-375-375N	3/8"	3/8"
ME-375-500N	3/8"	1/2"
ME-375-750N	3/8"	3/4"
ME-500-250N	1/2"	1/4"
ME-500-375N	1/2"	3/8"
ME-500-500N	1/2"	1/2"
ME-500-750N	1/2"	3/4"
ME-625-375N	5/8"	3/8"
ME-625-500N	5/8"	1/2"
ME-625-750N	5/8"	3/4"
ME-750-500N	3/4"	1/2"
ME-750-750N	3/4"	3/4"
ME-875-750N	7/8"	3/4"
ME-1000-750N	1"	3/4"
ME-1000-1000N	1"	1"

Tech Sheet 20295

Male Thread, BSPT

0292	OD	Thread
MEP-250-125RT	1/4"	1/8"
MEP-250-250RT	1/4"	1/4"
MEP-250-375RT	1/4"	3/8"
MEP-250-500RT	1/4"	1/2"
MEP-312-250RT	5/16"	1/4"
MEP-375-250RT	3/8"	1/4"
MEP-375-375RT	3/8"	3/8"

Tech Sheet 20294

Female Elbows



Female Thread, NPT

0292	OD	Thread
FE-125-125N	1/8"	1/8"
FE-125-250N	1/8"	1/4"
FE-187-125N	3/16"	1/8"
FE-250-125N	1/4"	1/8"
FE-250-250N	1/4"	1/4"
FE-250-375N	1/4"	3/8"
FE-250-500N	1/4"	1/2"
FE-312-125N	5/16"	1/8"
FE-312-250N	5/16"	1/4"
FE-375-125N	3/8"	1/8"
FE-375-250N	3/8"	1/4"
FE-375-375N	3/8"	3/8"
FE-375-500N	3/8"	1/2"
FE-500-250N	1/2"	1/4"
FE-500-375N	1/2"	3/8"
FE-500-500N	1/2"	1/2"
FE-625-375N	5/8"	3/8"
FE-625-500N	5/8"	1/2"
FE-750-500N	3/4"	1/2"
FE-750-750N	3/4"	3/4"
FE-875-750N	7/8"	3/4"
FE-1000-750N	1"	3/4"
FE-1000-1000N	1"	1"

Tech Sheet 20296

Positionable Elbows



Male Thread, SAE/MS

0292	OD	Thread
MEP-250-437SE	1/4"	7/16"-20
MEP-250-562SE	1/4"	9/16"-18
MEP-312-500SE	5/16"	1/2"-20
MEP-375-562SE	3/8"	9/16"-18
MEP-375-750SE	3/8"	3/4"-16
MEP-500-750SE	1/2"	3/4"-16
MEP-625-875SE	5/8"	7/8"-14
MEP-750-1062SE	3/4"	1.1/16"-12
MEP-875-1187SE	7/8"	1.3/16"-12
MEP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20831

Male Thread, BSPP

0292	OD	Thread
MEP-250-125PR	1/4"	1/8"
MEP-250-250PR	1/4"	1/4"
MEP-375-250PR	3/8"	1/4"
MEP-375-375PR	3/8"	3/8"
MEP-500-250PR	1/2"	1/4"
MEP-500-375PR	1/2"	3/8"
MEP-500-500PR	1/2"	1/2"
MEP-625-500PR	5/8"	1/2"
MEP-750-500PR	3/4"	1/2"
MEP-750-750PR	3/4"	3/4"
MEP-1000-750PR	1"	3/4"
MEP-1000-1000PR	1"	1"

Tech Sheet 20832

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Bulkhead Reducing Unions



Tube x Tube

0292	OD	OD
RBU-250-125	1/4"	1/8"
RBU-375-250	3/8"	1/4"
RBU-500-250	1/2"	1/4"

Tech Sheet 20833

Union Elbows



Tube x Tube

0292	OD
UE-125	1/8"
UE-187	3/16"
UE-250	1/4"
UE-312	5/16"
UE-375	3/8"
UE-500	1/2"
UE-625	5/8"
UE-750	3/4"
UE-875	7/8"
UE-1000	1"

Tech Sheet 20289

Reducing Union Elbows



Tube x Tube

0292	OD	OD
RUE-187-125	3/16"	1/8"
RUE-250-125	1/4"	1/8"
RUE-312-125	5/16"	1/8"
RUE-312-250	5/16"	1/4"
RUE-375-125	3/8"	1/8"
RUE-375-250	3/8"	1/4"
RUE-375-312	3/8"	5/16"
RUE-500-250	1/2"	1/4"
RUE-500-312	1/2"	5/16"
RUE-500-375	1/2"	3/8"
RUE-625-375	5/8"	3/8"
RUE-625-500	5/8"	1/2"
RUE-750-250	3/4"	1/4"
RUE-750-375	3/4"	3/8"
RUE-750-500	3/4"	1/2"
RUE-875-250	7/8"	1/4"
RUE-1000-500	1"	1/2"
RUE-1000-750	1"	3/4"

Tech Sheet 20835

Union Tees



Tube x Tube

0292	OD
UT-125	1/8"
UT-187	3/16"
UT-250	1/4"
UT-312	5/16"
UT-375	3/8"
UT-500	1/2"
UT-625	5/8"
UT-750	3/4"
UT-875	7/8"
UT-1000	1"

Tech Sheet 20288

Reducing Branch, Union Tees



Tube x Tube

0292	OD	OD
RUT-375-250	3/8"	1/4"
RUT-500-250	1/2"	1/4"
RUT-500-375	1/2"	3/8"
RUT-625-375	5/8"	3/8"
RUT-750-375	3/4"	3/8"
RUT-750-500	3/4"	1/2"
RUT-1000-375	1"	3/8"
RUT-1000-500	1"	1/2"
RUT-1000-750	1"	3/4"

Tech Sheet 20837

Union Crosses



Tube x Tube

0292	OD
UC-125	1/8"
UC-250	1/4"
UC-312	5/16"
UC-375	3/8"
UC-500	1/2"
UC-750	3/4"
UC-1000	1"

Tech Sheet 20290

AN Unions



Male Thread, AN

0292	OD	Thread
NU-125-125AN	1/8"	5/16"
NU-125-250AN	1/8"	7/16"
NU-250-250AN	1/4"	7/16"
NU-312-312AN	5/16"	1/2"
NU-375-250AN	3/8"	7/16"
NU-375-375AN	3/8"	9/16"
NU-500-500AN	1/2"	3/4"
NU-750-750AN	3/4"	1.1/16"
NU-1000-1000AN	1"	1.5/16"

Tech Sheet 20839

AN Bulkhead Unions



Male Thread, AN

0292	OD	Thread
ABU-250-250AN	1/4"	7/16"
ABU-375-375AN	3/8"	9/16"
ABU-500-500AN	1/2"	3/4"
ABU-750-750AN	3/4"	1.1/16"
ABU-1000-1000AN	1"	1.5/16"

Tech Sheet 20840

Weld Union, Sockets



Tube x Tube

0292	OD
SWU-125	1/8"
SWU-250	1/4"
SWU-375	3/8"
SWU-500	1/2"
SWU-750	3/4"
SWU-1000	1"

Tech Sheet 20841

Weld Elbow, Sockets



Tube x Tube

0292	OD
SWE-250	1/4"
SWE-375	3/8"
SWE-500	1/2"
SWE-750	3/4"
SWE-1000	1"

Tech Sheet 20842

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Weld Union, Connectors



Tube x Tube

0292	OD	Stem OD
MWC-125-125	1/8"	1/8"
MWC-187-125	3/16"	1/8"
MWC-250-125	1/4"	1/8"
MWC-250-250	1/4"	1/4"
MWC-312-125	5/16"	1/8"
MWC-312-250	5/16"	1/4"
MWC-375-250	3/8"	1/4"
MWC-375-375	3/8"	3/8"
MWC-375-500	3/8"	1/2"
MWC-375-750	3/8"	3/4"
MWC-500-375	1/2"	3/8"
MWC-500-500	1/2"	1/2"
MWC-500-750	1/2"	3/4"
MWC-625-500	5/8"	1/2"
MWC-750-750	3/4"	3/4"
MWC-1000-1000	1"	1"

Tech Sheet 20843

Weld Elbow, Connectors



Tube x Tube

0292	OD	Stem OD
MWE-250-125	1/4"	1/8"
MWE-250-250	1/4"	1/4"
MWE-375-250	3/8"	1/4"
MWE-500-500	1/2"	1/2"
MWE-750-750	3/4"	3/4"

Tech Sheet 20844

Bulkhead Reducers



Tube x Tube

0292	OD
BR-125	1/8"
BR-250	1/4"
BR-375	3/8"
BR-500	1/2"
BR-625	5/8"
BR-1000	1"

Tech Sheet 20287

Reducers



Tube x Tube

0292	OD	Stem OD
R-125-125	1/8"	1/8"
R-125-187	1/8"	3/16"
R-125-250	1/8"	1/4"
R-125-375	1/8"	3/8"
R-125-500	1/8"	1/2"
R-187-125	3/16"	1/8"
R-187-250	3/16"	1/4"
R-250-125	1/4"	1/8"
R-250-187	1/4"	3/16"
R-250-250	1/4"	1/4"
R-250-312	1/4"	5/16"
R-250-375	1/4"	3/8"
R-250-500	1/4"	1/2"
R-250-625	1/4"	5/8"
R-250-750	1/4"	3/4"
R-312-375	5/16"	3/8"
R-312-500	5/16"	1/2"
R-375-250	3/8"	1/4"
R-375-375	3/8"	3/8"
R-375-500	3/8"	1/2"
R-375-625	3/8"	5/8"
R-375-750	3/8"	3/4"
R-500-250	1/2"	1/4"
R-500-375	1/2"	3/8"
R-500-500	1/2"	1/2"
R-500-625	1/2"	5/8"
R-500-750	1/2"	3/4"
R-500-1000	1/2"	1"
R-625-750	5/8"	3/4"
R-625-875	5/8"	7/8"
R-625-1000	5/8"	1"
R-750-500	3/4"	1/2"
R-750-1000	3/4"	1"

Tech Sheet 20286

Port Connectors



Tube x Tube

0292	OD
PC-125	1/8"
PC-250	1/4"
PC-312	5/16"
PC-375	3/8"
PC-500	1/2"
PC-750	3/4"
PC-1000	1"

Tech Sheet 20378

Reducing Port Connectors



Tube x Tube

0292	OD	Stem OD
RPC-250-125	1/4"	1/8"
RPC-375-125	3/8"	1/8"
RPC-375-250	3/8"	1/4"
RPC-500-250	1/2"	1/4"
RPC-750-500	3/4"	1/2"
RPC-1000-500	1"	1/2"
RPC-1000-750	1"	3/4"

Tech Sheet 20849

316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless
steel



Caps



Tube

0292	OD
C-125-FT	1/8"
C-187	3/16"
C-250	1/4"
C-312	5/16"
C-375	3/8"
C-500	1/2"
C-625	5/8"
C-750	3/4"
C-875	7/8"
C-1000	1"

Tech Sheet 20284

Nuts



Tube

0292	OD
N-125-FT	1/8"
N-187	3/16"
N-250	1/4"
N-312	5/16"
N-375	3/8"
N-500	1/2"
N-625	5/8"
N-750	3/4"
N-875	7/8"
N-1000	1"

Tech Sheet 20283

Front Ferrules



Tube

0292	OD
FF-125	1/8"
FF-187	3/16"
FF-250	1/4"
FF-312	5/16"
FF-375	3/8"
FF-500	1/2"
FF-625	5/8"
FF-750	3/4"
FF-875	7/8"
FF-1000	1"

Tech Sheet 20854

Plugs



Tube

0292	OD
P-125	1/8"
P-187	3/16"
P-250	1/4"
P-312	5/16"
P-375	3/8"
P-500	1/2"
P-625	5/8"
P-750	3/4"
P-875	7/8"
P-1000	1"

Tech Sheet 20282

Back Ferrules



Tube

0292	OD
BF-125	1/8"
BF-187	3/16"
BF-250	1/4"
BF-312	5/16"
BF-375	3/8"
BF-500	1/2"
BF-625	5/8"
BF-750	3/4"
BF-875	7/8"
BF-1000	1"

Tech Sheet 20285

Lock Nuts



To suit Bulkheads

0292	OD
BLN-125	1/8"
BLN-187	3/16"
BLN-250	1/4"
BLN-312	5/16"
BLN-375	3/8"
BLN-500	1/2"
BLN-625	5/8"
BLN-750	3/4"
BLN-875	7/8"
BLN-1000	1"

Tech Sheet 20855



For Jubilee® Workshop Pack
see page 1520



316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Male Connectors



Male Thread, NPT

0292	OD mm	Thread
MC-3-125N	3	1/8"
MC-3-250N	3	1/4"
MC-4-125N	4	1/8"
MC-4-250N	4	1/4"
MC-6-125N	6	1/8"
MC-6-250N	6	1/4"
MC-6-375N	6	3/8"
MC-6-500N	6	1/2"
MC-8-125N	8	1/8"
MC-8-250N	8	1/4"
MC-8-375N	8	3/8"
MC-8-500N	8	1/2"
MC-10-125N	10	1/8"
MC-10-250N	10	1/4"
MC-10-375N	10	3/8"
MC-10-500N	10	1/2"
MC-10-750N	10	3/4"
MC-12-125N	12	1/8"
MC-12-250N	12	1/4"
MC-12-375N	12	3/8"
MC-12-500N	12	1/2"
MC-12-750N	12	3/4"
MC-14-250N	14	1/4"
MC-14-375N	14	3/8"
MC-14-500N	14	1/2"
MC-15-500N	15	1/2"
MC-16-375N	16	3/8"
MC-16-500N	16	1/2"
MC-16-750N	16	3/4"
MC-18-500N	18	1/2"
MC-18-750N	18	3/4"
MC-20-500N	20	1/2"
MC-20-750N	20	3/4"
MC-22-750N	22	3/4"
MC-22-1000N	22	1"
MC-25-500N	25	1/2"
MC-25-750N	25	3/4"
MC-25-1000N	25	1"

Tech Sheet 20281



Male Thread, BSPT

0292	OD mm	Thread
MC-3-125RT	3	1/8"
MC-3-250RT	3	1/4"
MC-4-125RT	4	1/8"
MC-4-250RT	4	1/4"
MC-6-125RT	6	1/8"
MC-6-250RT	6	1/4"
MC-6-375RT	6	3/8"
MC-6-500RT	6	1/2"
MC-8-125RT	8	1/8"
MC-8-250RT	8	1/4"
MC-8-375RT	8	3/8"
MC-8-500RT	8	1/2"
MC-10-125RT	10	1/8"
MC-10-250RT	10	1/4"
MC-10-375RT	10	3/8"
MC-10-500RT	10	1/2"
MC-12-125RT	12	1/8"
MC-12-250RT	12	1/4"
MC-12-375RT	12	3/8"
MC-12-500RT	12	1/2"
MC-12-750RT	12	3/4"
MC-15-500RT	15	1/2"
MC-16-250RT	16	1/4"
MC-16-375RT	16	3/8"
MC-16-500RT	16	1/2"
MC-16-750RT	16	3/4"
MC-18-500RT	18	1/2"
MC-18-750RT	18	3/4"
MC-20-500RT	20	1/2"
MC-20-750RT	20	3/4"
MC-22-750RT	22	3/4"
MC-22-1000RT	22	1"
MC-25-750RT	25	3/4"
MC-25-1000RT	25	1"

Tech Sheet 20278



Male Thread, BSPP (Captive Seal)

0292	OD mm	Thread
OMC-6-125EO	6	1/8"
OMC-6-250EO	6	1/4"
OMC-6-375EO	6	3/8"
OMC-6-500EO	6	1/2"
OMC-10-250EO	10	1/4"
OMC-10-375EO	10	3/8"
OMC-10-500EO	10	1/2"
OMC-12-250EO	12	1/4"
OMC-12-375EO	12	3/8"
OMC-12-500EO	12	1/2"

Tech Sheet 20856



Male Thread-RS, BSPP

0292	OD mm	Thread
MC-3-125RS	3	1/8"
MC-3-250RS	3	1/4"
MC-4-125RS	4	1/8"
MC-6-125RS	6	1/8"
MC-6-250RS	6	1/4"
MC-6-375RS	6	3/8"
MC-6-500RS	6	1/2"
MC-8-125RS	8	1/8"
MC-8-250RS	8	1/4"
MC-8-375RS	8	3/8"
MC-8-500RS	8	1/2"
MC-10-250RS	10	1/4"
MC-10-375RS	10	3/8"
MC-10-500RS	10	1/2"
MC-12-250RS	12	1/4"
MC-12-375RS	12	3/8"
MC-12-500RS	12	1/2"
MC-12-750RS	12	3/4"
MC-16-375RS	16	3/8"
MC-16-500RS	16	1/2"
MC-18-500RS	18	1/2"
MC-18-750RS	18	3/4"
MC-20-500RS	20	1/2"
MC-20-750RS	20	3/4"
MC-22-750RS	22	3/4"
MC-22-1000RS	22	1"
MC-25-750RS	25	3/4"
MC-25-1000RS	25	1"

Tech Sheet 20279

stainless
steel



You might also need
Stainless Steel Tubing
see page 183

316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Female Connectors



Female Thread, NPT

0292	OD mm	Thread
FC-3-125N	3	1/8"
FC-3-250N	3	1/4"
FC-4-125N	4	1/8"
FC-6-125N	6	1/8"
FC-6-250N	6	1/4"
FC-6-375N	6	3/8"
FC-6-500N	6	1/2"
FC-8-125N	8	1/8"
FC-8-250N	8	1/4"
FC-8-375N	8	3/8"
FC-8-500N	8	1/2"
FC-10-250N	10	1/4"
FC-10-375N	10	3/8"
FC-10-500N	10	1/2"
FC-12-250N	12	1/4"
FC-12-375N	12	3/8"
FC-12-500N	12	1/2"
FC-15-500N	15	1/2"
FC-16-500N	16	1/2"
FC-20-500N	20	1/2"
FC-20-750N	20	3/4"
FC-22-750N	22	3/4"
FC-22-1000N	22	1"
FC-25-750N	25	3/4"
FC-25-1000N	25	1"

Tech Sheet 20275

Female Thread, BSPT

0292	OD mm	Thread
FC-3-125RT	3	1/8"
FC-6-125RT	6	1/8"
FC-6-250RT	6	1/4"
FC-6-375RT	6	3/8"
FC-6-500RT	6	1/2"
FC-8-125RT	8	1/8"
FC-8-250RT	8	1/4"
FC-8-375RT	8	3/8"
FC-8-500RT	8	1/2"
FC-10-125RT	10	1/8"
FC-10-250RT	10	1/4"
FC-10-375RT	10	3/8"
FC-10-500RT	10	1/2"
FC-12-125RT	12	1/8"
FC-12-250RT	12	1/4"
FC-12-375RT	12	3/8"
FC-12-500RT	12	1/2"
FC-12-750RT	12	3/4"
FC-15-375RT	15	3/8"
FC-15-500RT	15	1/2"
FC-20-500RT	20	1/2"
FC-20-750RT	20	3/4"
FC-22-750RT	22	3/4"
FC-22-1000RT	22	1"
FC-25-750RT	25	3/4"
FC-25-1000RT	25	1"

Tech Sheet 20274



Female Thread, BSPP

0292	OD mm	Thread
FC-3-250RG	3	1/4"
FC-6-250RG	6	1/4"
FC-6-375RG	6	3/8"
FC-6-500RG	6	1/2"
FC-8-250RG	8	1/4"
FC-8-375RG	8	3/8"
FC-8-500RG	8	1/2"
FC-10-250RG	10	1/4"
FC-10-375RG	10	3/8"
FC-10-500RG	10	1/2"
FC-12-250RG	12	1/4"
FC-12-375RG	12	3/8"
FC-12-500RG	12	1/2"
FC-20-500RG	20	1/2"
FC-22-500RG	22	1/2"

Tech Sheet 20273

Bulkhead Male Connectors



Male Thread, NPT

0292	OD mm	Thread
BMC-6-125N	6	1/8"
BMC-6-250N	6	1/4"
BMC-8-125N	8	1/8"
BMC-8-250N	8	1/4"
BMC-10-250N	10	1/4"
BMC-10-375N	10	3/8"
BMC-10-500N	10	1/2"
BMC-12-250N	12	1/4"
BMC-12-375N	12	3/8"
BMC-12-500N	12	1/2"

Tech Sheet 20276

Bulkhead Female Connectors



Female Thread, NPT

0292	OD mm	Thread
BFC-6-125N	6	1/8"
BFC-6-250N	6	1/4"
BFC-8-125N	8	1/8"
BFC-10-250N	10	1/4"
BFC-12-375N	12	3/8"
BFC-12-500N	12	1/2"

Tech Sheet 20277

For PTFE Tape
see page 1391



316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Unions



Tube x Tube

0292	OD mm
U-3	3
U-4	4
U-6	6
U-8	8
U-10	10
U-12	12
U-15	15
U-16	16
U-18	18
U-20-FT	20
U-22	22
U-25	25

Tech Sheet 20266

Reducing Unions



Tube x Tube

0292	OD mm	OD mm
RU-6-3	6	3
RU-6-4	6	4
RU-8-6	8	6
RU-10-6	10	6
RU-10-8	10	8
RU-12-6	12	6
RU-12-8	12	8
RU-12-10	12	10
RU-16-10	16	10
RU-16-12	16	12
RU-18-12	18	12
RU-25-18	25	18
RU-25-20	25	20

Tech Sheet 20267

Bulkhead Unions



Tube x Tube

0292	OD mm
BU-3-FT	3
BU-4	4
BU-6	6
BU-8	8
BU-10	10
BU-12-FT	12
BU-14	14
BU-15	15
BU-16	16
BU-18	18
BU-20	20

Tech Sheet 20272

Male Branch Tees



Male Thread, NPT

0292	OD mm	Thread
MBT-6-125N	6	1/8"
MBT-6-250N	6	1/4"
MBT-8-125N	8	1/8"
MBT-8-250N	8	1/4"
MBT-10-250N	10	1/4"
MBT-12-250N	12	1/4"
MBT-12-375N	12	3/8"
MBT-12-500N	12	1/2"
MBT-16-500N	16	1/2"

Tech Sheet 20269

Male Positionable Branch Tees



Male Thread, BSPP

0292	OD mm	Thread
MBTP-6-125PR	6	1/8"
MBTP-6-250PR	6	1/4"
MBTP-8-125PR	8	1/8"
MBTP-8-250PR	8	1/4"
MBTP-10-250PR	10	1/4"
MBTP-12-375PR	12	3/8"
MBTP-12-500PR	12	1/2"

Tech Sheet 20861

Male Run Tees



Male Thread, NPT

0292	OD mm	Thread
MRT-6-125N	6	1/8"
MRT-6-250N	6	1/4"
MRT-8-250N	8	1/4"
MRT-12-250N	12	1/4"
MRT-12-375N	12	3/8"
MRT-12-500N	12	1/2"
MRT-16-500N	16	1/2"

Tech Sheet 20268

Male Positionable Run Tees



Male Thread, BSPP

0292	OD mm	Thread
MRTP-6-125PR	6	1/8"
MRTP-6-250PR	6	1/4"
MRTP-8-125PR	8	1/8"
MRTP-8-250PR	8	1/4"
MRTP-10-250PR	10	1/4"
MRTP-12-375PR	12	3/8"
MRTP-12-500PR	12	1/2"

Tech Sheet 20863

Female Branch Tees



Female Thread, NPT

0292	OD mm	Thread
FBT-6-125N	6	1/8"
FBT-6-250N	6	1/4"
FBT-8-125N	8	1/8"
FBT-8-250N	8	1/4"
FBT-10-250N	10	1/4"
FBT-12-250N	12	1/4"
FBT-12-375N	12	3/8"
FBT-16-500N	16	1/2"

Tech Sheet 20271

Female Run Tees



Female Thread, NPT

0292	OD mm	Thread
FRT-6-125N	6	1/8"
FRT-6-250N	6	1/4"
FRT-8-125N	8	1/8"
FRT-8-250N	8	1/4"
FRT-10-250N	10	1/4"
FRT-12-250N	12	1/4"
FRT-12-375N	12	3/8"
FRT-16-500N	16	1/2"

Tech Sheet 20270

316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Male Elbows



Male Thread, NPT

0292	OD mm	Thread
ME-3-250N	3	1/4"
ME-4-125N	4	1/8"
ME-4-250N	4	1/4"
ME-6-125N	6	1/8"
ME-6-250N	6	1/4"
ME-6-375N	6	3/8"
ME-6-500N	6	1/2"
ME-8-125N	8	1/8"
ME-8-250N	8	1/4"
ME-8-375N	8	3/8"
ME-8-500N	8	1/2"
ME-10-250N	10	1/4"
ME-10-375N	10	3/8"
ME-10-500N	10	1/2"
ME-12-250N	12	1/4"
ME-12-375N	12	3/8"
ME-12-500N	12	1/2"
ME-12-750N	12	3/4"
ME-15-500N	15	1/2"
ME-16-375N	16	3/8"
ME-16-500N	16	1/2"
ME-16-750N	16	3/4"
ME-18-500N	18	1/2"
ME-18-750N	18	3/4"
ME-20-500N	20	1/2"
ME-22-750N	22	3/4"
ME-22-1000N	22	1"
ME-25-750N	25	3/4"
ME-25-1000N	25	1"

Tech Sheet 20264



Male Thread, BSPT

0292	OD mm	Thread
ME-3-125RT	3	1/8"
ME-3-250RT	3	1/4"
ME-4-125RT	4	1/8"
ME-4-250RT	4	1/4"
ME-6-125RT	6	1/8"
ME-6-250RT	6	1/4"
ME-6-375RT	6	3/8"
ME-6-500RT	6	1/2"
ME-8-125RT	8	1/8"
ME-8-250RT	8	1/4"
ME-8-375RT	8	3/8"
ME-8-500RT	8	1/2"
ME-10-250RT	10	1/4"
ME-10-375RT	10	3/8"
ME-10-500RT	10	1/2"
ME-12-250RT	12	1/4"
ME-12-375RT	12	3/8"
ME-12-500RT	12	1/2"
ME-12-750RT	12	3/4"
ME-16-375RT	16	3/8"
ME-16-500RT	16	1/2"
ME-18-500RT	18	1/2"
ME-18-750RT	18	3/4"
ME-20-500RT	20	1/2"
ME-20-750RT	20	3/4"
ME-22-750RT	22	3/4"
ME-22-1000RT	22	1"
ME-25-750RT	25	3/4"
ME-25-1000RT	25	1"

Tech Sheet 20263

Female Elbows



Female Thread, NPT

0292	OD mm	Thread
FE-6-125N	6	1/8"
FE-6-250N	6	1/4"
FE-6-500N	6	1/2"
FE-8-250N	8	1/4"
FE-10-125N	10	1/8"
FE-10-250N	10	1/4"
FE-12-250N	12	1/4"
FE-12-375N	12	3/8"
FE-12-500N	12	1/2"
FE-16-500N	16	1/2"

Tech Sheet 20265



Male Thread, BSPP

0292	OD mm	Thread
MEP-6-125PR	6	1/8"
MEP-6-250PR	6	1/4"
MEP-8-125PR	8	1/8"
MEP-8-250PR	8	1/4"
MEP-10-250PR	10	1/4"
MEP-10-375PR	10	3/8"
MEP-12-250PR	12	1/4"
MEP-12-375PR	12	3/8"
MEP-12-500PR	12	1/2"
MEP-12-750PR	12	3/4"

Tech Sheet 20265

Positionable Elbows

Union Elbows



Tube x Tube

0292	OD mm
UE-3	3
UE-4	4
UE-6	6
UE-8	8
UE-10	10
UE-12	12
UE-14	14
UE-15	15
UE-16	16
UE-18	18
UE-20	20
UE-22	22
UE-25	25

Tech Sheet 20261

Union Tees



Tube x Tube

0292	OD mm
UT-3	3
UT-4	4
UT-6	6
UT-8	8
UT-10	10
UT-12	12
UT-14	14
UT-15	15
UT-16	16
UT-18	18
UT-20	20
UT-22	22
UT-25	25

Tech Sheet 20260

Union Crosses



Tube x Tube

0292	OD mm
UC-3	3
UC-6	6
UC-8	8
UC-10	10
UC-12	12
UC-16	16
UC-18	18
UC-20	20
UC-25	25

Tech Sheet 20262

316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Weld Union, Connectors



Tube x Tube

0292	OD mm	Stem OD
MWC-3-125	3	1/8"
MWC-4-125	4	1/8"
MWC-6-125	6	1/8"
MWC-6-250	6	1/4"
MWC-8-125	8	1/8"
MWC-8-250	8	1/4"
MWC-8-500	8	1/2"
MWC-10-250	10	1/4"
MWC-10-500	10	1/2"
MWC-12-250	12	1/4"
MWC-12-375	12	3/8"
MWC-12-500	12	1/2"
MWC-14-375	14	3/8"
MWC-15-500	15	1/2"
MWC-16-500	16	1/2"
MWC-18-500	18	1/2"

Tech Sheet 20873

Port Connectors



Tube x Tube

0292	OD mm
PC-3	3
PC-6	6
PC-8	8
PC-10	10
PC-12-FT	12
PC-15-FT	15
PC-16	16
PC-18-FT	18
PC-20	20
PC-25	25

Tech Sheet 20874

Reducing Port Connectors



Tube x Tube

0292	OD mm	Stem OD mm
RPC-6-3	6	3
RPC-8-6	8	6
RPC-10-6	10	6
RPC-10-8	10	8
RPC-12-6	12	6
RPC-12-8	12	8
RPC-12-10	12	10
RPC-16-12	16	12

Tech Sheet 20875

Reducers



Tube x Tube

0292	OD mm	Stem OD mm
R-3-4	3	4
R-3-6	3	6
R-3-10	3	10
R-4-6	4	6
R-6-3	6	3
R-6-8	6	8
R-6-10	6	10
R-6-12	6	12
R-6-18	6	18
R-8-6	8	6
R-8-10	8	10
R-8-12	8	12
R-10-6	10	6
R-10-12	10	12
R-10-15	10	15
R-10-18	10	18
R-12-6	12	6
R-12-8	12	8
R-12-10	12	10
R-12-16	12	16
R-12-18	12	18
R-12-20	12	20
R-12-22	12	22
R-12-25	12	25
R-16-12	16	12
R-18-12	18	12
R-18-16	18	16
R-18-20	18	20
R-18-22	18	22
R-18-25	18	25
R-20-16	20	16
R-20-22	20	22
R-20-25	20	25
R-22-18	22	18
R-22-20	22	20
R-22-25	22	25
R-25-18	25	18
R-25-20	25	20

Tech Sheet 20258



Metric Tube x Imperial Tube

0292	OD mm	Stem OD
R-3-125	3	1/8"
R-3-250	3	1/4"
R-4-250	4	1/4"
R-6-125	6	1/8"
R-6-250	6	1/4"
R-6-312	6	5/16"
R-6-375	6	3/8"
R-6-500	6	1/2"
R-8-375	8	3/8"
R-8-500	8	1/2"
R-10-375	10	3/8"
R-10-500	10	1/2"
R-12-500	12	1/2"
R-12-750	12	3/4"
R-18-750	18	3/4"
R-25-1000	25	1"

Tech Sheet 20877

Caps



Tube

0292	OD mm
C-3	3
C-4	4
C-6	6
C-8	8
C-10	10
C-12	12
C-14	14
C-15	15
C-16	16
C-18	18
C-20	20
C-22	22
C-25	25

Tech Sheet 20259

316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless
steel



Plugs



Tube

0292	OD mm
P-3-FT	3
P-4	4
P-6-FT	6
P-8	8
P-10	10
P-12	12
P-15	15
P-16	16
P-18	18
P-20	20
P-22	22
P-25	25

Tech Sheet 20254

Nuts



Tube

0292	OD mm
N-3	3
N-4	4
N-6	6
N-8	8
N-10	10
N-12	12
N-15	15
N-16	16
N-18	18
N-20	20
N-25	25

Tech Sheet 20255

Back Ferrules



Tube

0292	OD mm
BF-3	3
BF-4	4
BF-6	6
BF-8	8
BF-10	10
BF-12	12
BF-14	14
BF-15	15
BF-16	16
BF-18	18
BF-20	20
BF-22	22
BF-25	25

Tech Sheet 20257

Front Ferrules



Tube

0292	OD mm
FF-3	3
FF-4	4
FF-6	6
FF-8	8
FF-10	10
FF-12	12
FF-14	14
FF-15	15
FF-16	16
FF-18	18
FF-20	20
FF-22	22
FF-25	25

Tech Sheet 20256

Lock Nuts



To suit Bulkheads

0292	OD mm
BLN-3	3
BLN-4	4
BLN-6	6
BLN-8	8
BLN-10-FT	10
BLN-12-FT	12
BLN-14	14
BLN-16-FT	16
BLN-18	18
BLN-20-FT	20

Tech Sheet 20883



For Needle Valves
see pages 982-983