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> Viega Platz 1 Attendorn 57439 Germany

Holds Certificate Number: KM 752687

In respect of:

prEN 10358:2012

Unalloyed steel plumbing fittings - Fittings with press ends for metallic tubes

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For and on behalf of BSI: Frank Lee, Product Certification Technical and Compliance Director

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...making excellence a habit."

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## prEN 10358: 2012 Unalloyed steel plumbing fittings. Fittings with press ends for unalloyed steel tubes Megapress, Megapress S and Megapress G for Water and Gas Press fittings

**Megapress:** Maximum operating temperature +110°C

System	Item	Model No.	Sizes
	Adaptor with R male thread	4211	3/8" x R3/8", 3/8" x R½", ½" x R½", ¾" x R¾", 1" x R1", 1¼" x R1¼", 1½" x R1½" and 2" x R2" sizes with Female/R male thread
	Adaptor with R male thread	4211.3	44.5mm $\times$ R1", 44.5mm $\times$ R1¼", 44.5mm $\times$ R1½", 57mm $\times$ R1¼", 57mm $\times$ R1½" and 57mm $\times$ R2" sizes with Female/R male thread
	Adaptor with Rp female thread	4212	3/8" x Rp3/8", 3/8" x Rp½", ½" x Rp½", ¾" x Rp¾", 1" x Rp1", 1¼" x Rp1¼", 1½" x Rp1½" and 2" x Rp2" sizes with Female/Rp female thread
	Adaptor with Rp female thread	4212.5	$1'' \times \text{Rp}\frac{1}{2}''$ , $1'' \times \text{Rp}\frac{3}{4}''$ , $1\frac{1}{4}'' \times \text{Rp}\frac{1}{2}''$ , $1\frac{1}{4}'' \times \text{Rp}\frac{3}{4}''$ and $1\frac{1}{4}'' \times \text{Rp}1''$ sizes with Male/Rp female thread
Megapress	Adaptor to Prestabo*	4213*	3/8" x 15mm, ½" x 15mm, ½" x 18mm, ¾" x 15mm, ¾" x 22mm, 1" x 15mm, 1" x 28mm, 1¼" x 35mm 1½" x 42mm and 2" x 54mm sizes with Female/Prestabo*(metric)
	Adaptor to grooved sizes	4213.1	1" x DN25, 1¼" x DN32, 1½" x DN40 and 2" x DN50 sizes with Female/Male(grooved)
	Adaptor to metric sizes (silicon bronze)	4213.2	$1/2$ " $\times$ 15mm, $1/2$ " $\times$ 18mm, $3/4$ " $\times$ 22mm, $1$ " $\times$ 28mm, $1/4$ " $\times$ 35mm, $1/2$ " $\times$ 42mm and 2" $\times$ 54mm sizes with Female/Female(metric)
	Coupling	4215	3/8", ½", ¾", 1", 1¼", 1½"and 2" sizes with Female/Female
	Reducer	4215.1	$1/2" \times 3/8", 3/4" \times 3/8", 3/4" \times 1/2", 1" \times 1/2", 1" \times 3/4", 11/4" \times 1/2", 11/4" \times 1/4" \times 1$
	Reducer	4215.2	$^{3}\!\!4'' \times ^{1}\!\!/_{2}''$ and $1'' \times ^{1}\!\!/_{2}''$ sizes with Female/Female
	Coupling no stop	4215.4	3/8", ½", ¾" and 1" sizes with Female/Male
	Coupling no stop	4215.5	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Female
	Reducer	4215.7	11/2" x 44.5mm and 2" x 57mm sizes with Female/Female
	90° Elbow	4216	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Female
	90° Elbow	4216.1	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Male

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**Megapress:** Maximum operating temperature +110°C (Continued)

	Tee with Rp female thread	4217.2	1/2" x Rp1/2" x 1/2", 3/4" x Rp1/2" x 3/4", 1" x Rp1/2" x 1", 1" x Rp3/4" x 1", 11/4" x Rp1/2" x 11/4", 11/4" x Rp3/4" x 11/4", 11/4" x Rp1/2" x 11/4", 11/4" x Rp1/2" x Rp1/2" x 11/2", 11/2" x Rp1/2" x 11/2", 2" x Rp1/2" x 2", 2" x Rp3/4" x 2" and 2" x Rp1" x 2" sizes with Female/Rp female thread/Female
	Equal and reduction Tee	4218	3/8" x 3/8" x 3/8", ½" x ½" x ½" x ½", ¾" x ½" x ¾", ¾" x ¾" x ¾",  1" x ½" x 1", 1" x ¾" x 1", 1" x 1" x 1", 1¼" x ½" x 1¼",  1¼"x ¾" x 1¼", 1¼" x 1½", 1¼" x 1¼", 1¼" x 1¼",  1½" x ½" x 1½", 1½" x ¾" x 1½", 1½" x 1½", 1½" x 1" x 1½",  1½" x 1¼" x 1½", 1½" x 1½", 2" x ½" x 2", 2" x ¾" x 2",  2" x 1" x 2", 2" x 1¼" x 2", 2" x 1½" x 2" and 2" x 2" x 2"  sizes with Female/Female
	45° Elbow	4226	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Female
Megapress	45° Elbow	4226.1	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Male
	Caps	4256	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with Female
	Flanges PN 10/16	4259	11/4" x DN32, 11/2" x DN40 and 2" x DN50 sizes with Female/flange(PN10/16)
	Flanges PN 6	4259.1	11/4" x DN32, 11/2" x DN40 and 2" x DN50 sizes with Female/flange(PN6)
	Unions	4263	1/2" x G3/4", 3/4" x G1", 1" x G11/4", 1" x G11/2", $11/4$ " x G11/2", $11/4$ " x G2", $11/2$ " x G11/2", 2" x G2" and 2" x G2 3/8" sizes with Female/G female thread
	Unions	4265	½" x R½", ¾" x R¾",1" x R1", 1¼" x R1¼", 1½" x R1½" and 2" x R2" sizes with Female/R male thread
	Seal (EPDM)	4289	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes

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## prEN 10358: 2012 Unalloyed steel plumbing fittings. Fittings with press ends for unalloyed steel tubes Megapress, Megapress S and Megapress G for Water and Gas Press fittings

**Megapress S:** Maximum operating temperature +140°C

System	Item	Model No.	Sizes
	Adaptor with R male thread	4311	3/8" x R3/8", ½" x R½", ¾" x R¾", 1" x R1", 1¼" x R1¼", 1½" x R1½" and 2" x R2" sizes with female/R male thread
	Adaptor with Rp female thread	4312	3/8" x Rp3/8", ½" x Rp½", ¾" x Rp¾", 1" x Rp1", 1¼" x Rp1¼", 1½" x Rp1½" and 2" x Rp2" sizes with female/Rp female thread
	Adaptor with Rp female thread	4312.7	34" x Rp1/2" and 1" x Rp1/2" sizes with male/Rp female thread
	Unions	4363	1/2" x G $3/4$ ", $3/4$ " x G $1$ ", $1$ " x G $11/4$ ", $11/4$ " x G $11/2$ ", $11/2$ " x G $2$ " and $2$ " x G $2$ 3/8" sizes with female/G female thread
	Unions	4365	1/2" x R $1/2$ ", $3/4$ " x R $3/4$ ", 1" x R1", 1 $1/4$ " x R1 $1/4$ ", 1 $1/2$ " x R1 $1/2$ " and 2" x R2" sizes with female/R male thread
	Coupling	4315	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/female
Megapress S	Reducer	4315.1	$1/2" \times 3/8"$ , $3/4" \times 3/8"$ , $3/4" \times 1/2"$ , $1" \times 3/8"$ , $1" \times 1/2"$ , $1" \times 3/4"$ , $11/4" \times 1"$ , $11/2" \times 1"$ , $11/2" \times 11/4"$ , $2" \times 11/4"$ and $2" \times 11/2"$ sizes with male/female
	Coupling no stop	4315.5	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/female
	90° Elbow	4316	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/female
	90° Elbow	4316.1	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/male
	Tee with Rp female thread	4317.2	½" x Rp½" x ½", ¾" x Rp½" x ¾", 1" x Rp¾" x 1", 1¼" x Rp¾" x 1¼", 1½" x Rp¾" x 1½" and 2" x Rp¾" x 2" sizes with female/Rp female thread/female
	Tee equal	4318	3/8" x 3/8" x 3/8", ½" x ½" x ½", ¾" x ¾" x ¾", 1" x 1" x 1", 1¼" x 1¼" x 1¼", 1½" x 1½" x 1½" and 2" x 2" x 2" sizes with female/female
	Tee reducer	4318	$1" \times 1/2" \times 1"$ , $11/4" \times 3/4" \times 11/4"$ , $11/2" \times 1/2" \times 11/2"$ , $11/2" \times 11/2" \times 11/2"$ , $2" \times 3/4" \times 2"$ and $2" \times 11/4" \times 2"$ sizes with Female/Female

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**Megapress S:** Maximum operating temperature +140°C (Continued)

System	Item	Model No.	Sizes
Megapress S	Elbow 45°	4326	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/female
	Elbow 45°	4326.1	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female/male
	Caps	4356	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes with female
	Flanges PN 10/16	4359	$^3$ 4" x DN20, 1" x DN25, $1^{1}$ 4" x DN32, $1^{1}$ 2" x DN40 and 2" x DN50 sizes with female/flange (PN10/16)
	Flanges PN 6	4359.1	$34'' \times$ DN20, $1'' \times$ DN25, $114'' \times$ DN32, $112'' \times$ DN40 and $2'' \times$ DN50 sizes with female/flange (PN6)
	Flanges PN 25/40	4359.6	$34'' \times$ DN20, $1'' \times$ DN25, $114'' \times$ DN32, $112'' \times$ DN40 and $2'' \times$ DN50 sizes with female/flange (PN25/40)
	Seal (FKM)	4386	3/8", ½", ¾", 1", 1¼", 1½" and 2" sizes

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Megapress S XL: Maximum operating temperature +140°C

System	Item	Model No.	Sizes
	Adaptor with R male thread	4211XL	$21/2'' \times R21/2''$ , $3'' \times R3''$ and $4'' \times R4''$ sizes with Female/R male thread
	Adaptor with Rp female thread	4212XL	2½" x Rp2½", 3" x Rp2", 3" x Rp3" and 4" x Rp4" sizes with Female/Rp female thread
	Adapter to Prestabo XL*	4213XL*	$2\frac{1}{2}$ " x 76.1mm, 3" x 88.9mm and 4" x 108mm sizes with Female/Prestabo XL*(metric)
	90° Adapter with R male thread	4214XL	3" x R3" size with Female/R male thread
	Coupling	4215XL	2½", 3" and 4" sizes with Female/Female
	Reducer	4215.1XL	$2\frac{1}{2}$ " $\times$ 2", 3" $\times$ 2", 3" $\times$ 2 $\frac{1}{2}$ ", 4" $\times$ 2", 4" $\times$ 2 $\frac{1}{2}$ " and 4" $\times$ 3" sizes with Male/Female
	Coupling no stop	4215.5XL	21/2", 3" and 4" sizes with Female/Female
	90° Elbow	4216XL	21/2", 3" and 4" sizes with Female/Female
	90° Elbow	4216.1XL	2½", 3" and 4" sizes with Female/Male
Megapress S XL	Tee with Rp female thread	4217.2XL	$2\frac{1}{2}$ " x Rp $^{3}$ 4" x $2\frac{1}{2}$ ", 3" x Rp $^{3}$ 4" x 3", 3" x Rp $^{2}$ 1" x 3", 3" x Rp $^{2}$ 2" x 3" and 4" x Rp $^{3}$ 4" x 4" sizes with Female/Rp female thread/Female
	Equal and reduction Tee	4218XL	2½" × 1" × 2½", 2½" × 1¼" × 2½", 2½" 1½" × 2½", 2½" × 2" × 2½", 2½" × 2½" × 2½", 3" × 1" × 3", 3" × 1¼" × 3", 3" 1½" × 3", 3" × 2" × 3", 3" × 2½" × 3", 3" × 3" × 3", 4" × 1" × 4", 4" × 1¼" × 4", 4" 1½" × 4", 4" × 2" × 4", 4" × 2½" × 4", 4" × 3" × 4" and 4" × 4" × 4" sizes with Female/Female
	45° Elbow	4226XL	2½", 3" and 4" sizes with Female/Female
	45° Elbow	4226.1XL	2½", 3" and 4" sizes with Female/Male
	Caps	4256XL	$2\frac{1}{2}$ " x R <sup>3</sup> /4", 3" x R <sup>3</sup> /4" and 4" x R <sup>3</sup> /4" sizes with Female/R male thread
	Flanges PN 10/16	4259XL	2½" x DN65, 3" x DN80 and 4" x DN100 sizes with Female/flange(PN10/16)
	Flanges PN 6	4259 <b>.</b> 1XL	2½" x DN65, 3" x DN80 and 4" x DN100 sizes with Female/flange(PN6)
	Flanges PN 25/40	4259 <b>.</b> 6XL	$2\frac{1}{2}$ " x DN65, 3" x DN80 and 4" x DN100 sizes with female/flange (PN25/40)
	Seal (FKM)	4286XL	2½", 3" and 4" sizes

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Megapress G: Gas Ambient Temperature Range: -20°C to +70°C. High Thermal Capacity: 650°C for 30 mins. MOP: 5 bar (external above ground), 1 bar (within buildings that are subject to fire regulations).

System	Item	Model No.	Sizes
	Adaptor with R male thread	4611	1/2" x R $1/2$ ", $3/4$ " x R $3/4$ ", 1" x R1", 1 $1/4$ " x R1 $1/4$ ", 1 $1/2$ " x R1 $1/2$ " and 2" x R2" sizes with Female/R male thread
	Adaptor with Rp female thread	4612	½" x Rp½", ¾" x Rp½", ¾" x Rp¾", 1" x Rp¾", 1" x Rp1", 1¼" x Rp1¼", 1½" x Rp1½" and 2" x Rp2" sizes with Female/Rp female thread
	Coupling	4615	1/2", 3/4", 1", 11/4", 11/2"and 2" sizes with Female/Female
	Reducer	4615.1	$34'' \times 1/2''$ , $1'' \times 1/2''$ , $1'' \times 3/4''$ , $11/4'' \times 3/4''$ , $11/4'' \times 1''$ , $11/2'' \times 1''$ , $11/2'' \times 11/4''$ , $11/2'' \times 11/4''$ , $11/2'' \times 11/4''$ and $11/2'' \times 11/2''$ sizes with Male/Female
	Coupling no stop	4615.5	½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Female
	90° Elbow	4616	1/2", 3/4", 1", 11/4", 11/2" and 2" sizes with Female/Female
	90° Elbow	4616.1	½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Male
Megapress G	Tee with Rp female thread	4617.2	3/4" x Rp½" x 3/4", 3/4" x Rp3/4" x 3/4", 1" x Rp½" x 1", 1" x Rp3/4" x 1",  1" x Rp1" x 1", 1¼" x Rp½" x 1¼", 1¼" x Rp3/4" x 1¼",  1¼" x Rp1" x 1¼", 1½" x Rp½" x 1½", 1½" x Rp3/4" x 1½",  1½" x Rp1" x 1½", 2" x Rp½" x 2", 2" x Rp3/4" x 2"  and 2" x Rp1" x 2" sizes with Female/Rp female thread/Female
	Equal and reduction Tee	4618	1/2" x 1/2" x 1/2", 3/4" x 1/2" x 3/4", 3/4" x 3/4" x 3/4", 1" x 1/2" x 1",  1" x 3/4" x 1", 1" x 1" x 1", 11/4" x 3/4" x 11/4", 11/4" x 11/4",  11/4" x 11/4" x 11/4", 11/2" x 3/4" x 11/2", 11/2" x 1" x 11/2",  11/2" x 11/4" x 11/2", 11/2" x 11/2", 2" x 3/4" x 2",  2" x 1" x 2", 2" x 11/4" x 2", 2" x 11/2" x 2" and 2" x 2" x 2"  sizes with Female/Female
	45° Elbow	4626	½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Female
	45° Elbow	4626.1	½", ¾", 1", 1¼", 1½" and 2" sizes with Female/Male
	Caps	4656	½", ¾", 1", 1¼", 1½" and 2" sizes with Female
	Flanges	4659.5	½" x DN15, ¾" x DN20, 1" x DN25, 1¼" x DN32, 1½" x DN40 and 2" x DN50 sizes with Female/flange
	Unions	4661	3/4" x G13/8" and 1" x G13/8" sizes with Female/G female thread
	Seal (HNBR)	4687	½", ¾", 1", 1¼", 1½" and 2" sizes

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#### **Materials Specifications:**

Material	Composition
Fittings	1.0308 E235 Non-alloyed Steel
Separator Ring	Megapress: 1.4301 Stainless Steel Megapress S: 1.4301 Stainless Steel Megapress S XL: PBT Megapress G: CuZn15
Grip Ring	1.4021 Stainless Steel
O-ring Megapress (Water)	EPDM
O-ring Megapress S (Water)	FKM
O-ring Megapress G (Gas)	HNBR

#### Notes:

Gas Fittings are identified as Megapress "G" with a Yellow HNBR O-ring. Megapress and Megapress S variants are not suitable for use with gas.

#### **Manufacturing Locations:**

Viega GmbH & Co. KG Viega Straße 1 Großheringen 99518 Germany

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<sup>\*</sup>Threads, flanges and Prestabo features are not covered by this certificate.