

**Megapress**

Submittal Package



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## Product group description

Flow-optimised press connector system made of non-alloy steel 1.0308 with an externally galvanised zinc-nickel coating for black, galvanised, industrially painted and powder-coated steel pipes. Press connectors with stainless steel cutting ring to ensure the mechanical strength of the connection. Suitable for concealed and pre-wall installations of riser pipes and floor installations.

### Marking

Manufacturer, pipe dimension, batch, black dot on press end, black rectangle with symbol »Not approved for potable water installations«, orange/black detachable label as press indicator



### Press connector with SC-Contur

Inadvertently unpressed connections are noticed immediately during a leakage test.

Viega guarantees the detection of unpressed connections in the following pressure ranges with water, compressed air or inert gases:

Min. water pressure: 0.1 MPa / 100 kPa / 1 bar / 14.5 PSI

Max. water pressure: 0.65 MPa / 650 kPa / 6.5 bar / 94.3 PSI

Min. air pressure: 22 hPa / 2.2 kPa / 22 mbar / 0.3 PSI

Max. air pressure: 0.3 MPa / 300 kPa / 3 bar / 43.5 PSI

### Sealing elements

EPDM (ethylene propylene diene rubber), profile sealing element , black, pre-assembled

### Notice

The sealing materials of the press connector system are subject to thermal ageing, which depends on the media temperature and the operating time.

The higher the media temperature, the faster the thermal ageing of the sealing material progresses.

In the case of special operating conditions, e.g. industrial heat recovery systems, it is necessary to compare the specifications of the appliance manufacturer with the specifications of the press connector system.

Before using the press connector system beyond the areas of application described or if in doubt about the correct selection of material, please contact Viega.

### Dimensions

D%–2, external Ø 38.0 (DN32), external Ø 44.5 (DN40), external Ø 57.0 (DN50), size availability in accordance with the national regulations

### Tools

The functional safety of Viega press connector systems depends primarily on the faultless condition of the press tools used. Viega recommends the use of Viega press tools for pressing Viega press connectors. Viega press tools have to be regularly maintained by authorised service partners.

### Areas of application

Industrial and plant engineering

Closed cooling and heating systems

Compressed air systems

Fire extinguishing and sprinkler systems (the required minimum and maximum wall thickness have to be observed)

Systems for technical gases (request required)

### Note

Use of the system for areas of application and media other than those described must be agreed in consultation with Viega! Detailed information about applications, restrictions and national standards and directives can be found in the product information, either printed or on the Viega website.

### Note – Standards and approvals

Suitable for steel pipes in accordance with EN 10255, EN 10220 / EN 10216-1, EN 10220 / EN 10217-1.

For use in heating systems, observe VDI Regulation 2035 and DIN EN 12828.

Not suitable for fuel gases in accordance with DVGW Worksheet G 260 and potable water installations, as well as other open systems (exception model 4213.2 approved for potable water).

### Operating conditions

The press connector system Megapress can be used with the following operating parameters:

Heating systems in accordance with DIN EN 12828

Operating temperature max. 105 °C / 221 °F

The press connector system Megapress is designed for nominal pressure PN 16.

### Press connector material

Steel 1.0308

Silicon bronze: CC246E / CuSi4Zn9MnP

### Protection against external corrosion

Thanks to a zinc-nickel coating the press connectors are optimally protected against corrosion – e.g. when condensation forms in cooling systems.

The pipe being used should be protected with suitable corrosion prevention – observe manufacturer's information.

Pipes and pipe connectors should be insulated in the same way in accordance with the general rules of engineering.

### Subject to change without prior notice!

Latest Z- and installation dimensions as well as further technical information can be found on the Viega website and have to be checked before purchase, planning, construction work and use. Our products are continuously optimised.

This product description contains important information on choice of product and system, mounting, commissioning as well as intended use and, if required, on maintenance measures. This information on products, their features and application techniques is based on currently valid standards in Europe (e.g. EN) and/or in Germany (e.g. DIN/DVGW). Some passages in the text may refer to technical regulations in Europe/Germany. These should be considered as recommendations for other countries where no corresponding national requirements exist. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this product description: The information herein is not binding for other countries and regions and should be understood as recommendation.

# Permitted pipes

standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10255 medium series (M) welded	¾	10	17.2	2.3
	½	15	21.3	2.6
	¾	20	26.9	
	1	25	33.7	3.2
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	3.6
non-alloyed steel in accordance with DIN EN 10255 medium series (M) seamless	¾	10	17.2	2.3
	½	15	21.3	2.6
	¾	20	26.9	
	1	25	33.7	3.2
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	3.6
non-alloyed steel in accordance with DIN EN 10255 heavy series (H) welded	¾	10	17.2	2.9
	½	15	21.3	3.2
	¾	20	26.9	
	1	25	33.7	4.0
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	4.5
non-alloyed steel in accordance with DIN EN 10255 heavy series (H) seamless	¾	10	17.2	2.9
	½	15	21.3	3.2
	¾	20	26.9	
	1	25	33.7	4.0
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	4.5
non-alloyed steel in accordance with DIN EN 10255 pipe type L pipe type L1 welded	¾	10	17.2	2.0
	½	15	21.3	2.3
	¾	20	26.9	
	1	25	33.7	2.9
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	3.2

standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10255 pipe type L pipe type L1 seamless	¾	10	17.2	2.0
	½	15	21.3	2.3
	¾	20	26.9	
	1	25	33.7	2.9
	1¼	32	42.4	
	1½	40	48.3	
	2	50	60.3	3.2
non-alloyed steel in accordance with DIN EN 10255 pipe type L2 welded	¾	10	17.2	1.8
	½	15	21.3	2.0
	¾	20	26.9	2.3
	1	25	33.7	2.6
	1¼	32	42.4	
	1½	40	48.3	2.9
	2	50	60.3	
non-alloyed steel in accordance with DIN EN 10255 pipe type L2 seamless	¾	10	17.2	1.8
	½	15	21.3	2.0
	¾	20	26.9	2.3
	1	25	33.7	2.6
	1¼	32	42.4	
	1½	40	48.3	2.9
	2	50	60.3	
non-alloyed steel in accordance with DIN EN 10217-1 pipe series 1 welded	¾	10	17.2	1.4
				1.6
				1.8
				2.0
				2.3
				2.6
				2.9
	3.2			
	3.6			
	4.0			
	½	15	21.3	1.4
				1.6
				1.8
				2.0
				2.3
2.6				
2.9				
3.2				
3.6				
4.0				
4.5				

standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10217-1 pipe series 1 welded	¾	20	26.9	1.4
				1.6
				1.8
				2.0
				2.3
				2.6
				2.9
				3.2
				3.6
				4.0
	4.5			
	5.0			
	1	25	33.7	1.4
				1.6
				1.8
				2.0
				2.3
				2.6
				2.9
				3.2
3.6				
4.0				
4.5				
5.0				
5.6				
6.3				
7.1				
8.0				
1¼	32	42.4	1.4	
			1.6	
1½	40	48.3	1.8	
			2.0	
			2.3	
			2.6	
			2.9	
			3.2	
			3.6	
			4.0	
			4.5	
			5.0	
5.6				
6.3				
7.1				
8.0				
8.8				
2	50	60.3	1.4	
			1.6	
			1.8	
			2.0	
			2.3	
			2.6	
			2.9	
			3.2	
			3.6	
			4.0	
4.5				
5.0				
5.6				
6.3				
7.1				
8.0				
8.8				
10.0				

standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 1 seamless	¾	10	17.2	1.8
				2.0
				2.3
				2.6
				2.9
				3.2
				3.6
				4.0
	4.5			
	½	15	21.3	2.0
				2.3
				2.6
				2.9
				3.2
				3.6
				4.0
	4.5			
	5.0			
	¾	20	26.9	2.0
				2.3
2.6				
2.9				
3.2				
3.6				
4.0				
4.5				
5.0				
5.6				
6.3				
7.1				
8.0				
1	25	33.7	2.3	
			2.6	
			2.9	
			3.2	
			3.6	
			4.0	
			4.5	
			5.0	
			5.6	
			6.3	
7.1				
8.0				
8.8				
1¼	32	42.4	2.6	
			2.9	
			3.2	
			3.6	
			4.0	
			4.5	
			5.0	
			5.6	
			6.3	
			7.1	
8.0				
8.8				
10.0				


















standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 1 seamless	1½	40	48.3	2.6
				2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
				7.1
				8.0
				8.8
				10.0
				11.0
12.5				
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 1 seamless	2	50	60.3	2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
				7.1
				8.0
				8.8
				10.0
				11.0
				12.5
14.2				
16.0				
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 2 seamless				2.6
				2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
				7.1
8.0				
8.8				
10.0				
non-alloyed steel in accordance with DIN EN 10217-1 pipe series 2 welded	-	32	38.0	1.4
				1.6
				1.8
				2.0
				2.3
				2.6
				2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
7.1				
8.0				
8.8				








standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 3 seamless		40	44.5	2.6
				2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
				7.1
				8.0
8.8				
10.0				
11.0				
12.5				
non-alloyed steel in accordance with DIN EN 10217-1 pipe series 3 welded	-	40	44.5	1.4
				1.6
				1.8
				2.0
				2.3
				2.6
				2.9
				3.2
				3.6
				4.0
				4.5
5.0				
5.6				
6.3				
7.1				
8.0				
8.8				
non-alloyed steel in accordance with DIN EN 10216-1 pipe series 2 seamless		50	57.0	2.9
				3.2
				3.6
				4.0
				4.5
				5.0
				5.6
				6.3
				7.1
				8.0
				8.8
10.0				
11.0				
12.5				
14.2				

standard	size and thread specifications	DN	external Ø	wall thickness
non-alloyed steel in accordance with DIN EN 10217-1 pipe series 2 welded	-	50	57.0	1.4 1.6 1.8 2.0 2.3 2.6 2.9 3.2 3.6 4.0 4.5 5.0 5.6 6.3 7.1 8.0 8.8 10.0

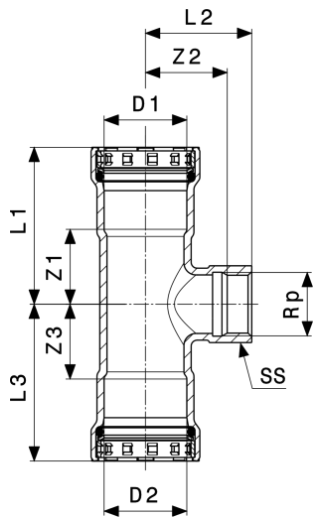
# Certificates

AMTEC	<p><b>AMTEC Certificate</b>                  Profipress, Sanpress, Sanpress Inox, Prestabo, Megapress, Profipress G, Sanpress Inox G, Megapress G</p>
	<p><b>BAM certificate</b>                  Megapress (DN 10 - DN 50) Oxygen</p>
	<p><b>DVGW type examination certificate</b>                  Megapress transition piece drinking water installation</p>
	<p><b>DNV GL Type Approval Certificate</b>                  Megapress</p>
	<p><b>DNV GL Type Approval Certificate</b>                  Megapress Push-in Connection</p>
	<p><b>TÜV Association Certificate</b>                  Megapress (DN 10 - DN 100)</p>
	<p><b>TÜV Association Certificate</b>                  Megapress press-connection (1 1/2" - 6")</p>
	<p><b>VdS certificate</b>                  Megapress (DN 20 - DN 100)</p>
	<p><b>Bureau Veritas Type Approval Certificate</b>                  Megapress</p>
	<p><b>CSTB Certificate</b>                  Megapress/megapress S</p>

	<p><b>CSTB QB Certificate</b> Megapress/Megapress S</p>
<p>BSI</p>	<p><b>BSI Kitemark Certificate</b> Megapress, Megapress S, Megapress G</p>
<p>EMI</p>	<p><b>EMI certificate</b> Megapress</p>
	<p><b>RINA Type Approval Certificate</b> Megapress, Megapress (S) XL , Megapress G</p>
	<p><b>ITB National Technical Assessment</b> Megapress, Megapress S</p>
	<p><b>ITB National Technical Assessment</b> Megapress, Megapress S</p>
	<p><b>ITB Certificate of Constancy of Performance</b> Megapress, Megapress S</p>
<p>EITS</p>	<p><b>EITS Technical Approval</b> Megapress, Megapress S, Megapress SXL</p>
<p>EITS</p>	<p><b>EITS Certificate</b> Megapress, Megapress S, Megapress S XL</p>
<p>SBSC</p>	<p><b>SBSC Certificate</b> Megapress, Megapress S, Megapress S XL</p>
<p>IZV</p>	<p><b>IZV Certificate</b> Megapress, Megapress S XL</p>
<p>UKRCERTIFICATION</p>	<p><b>LLC UKRCertification Certificate of conformity</b> Megapress</p>
	<p><b>ABS Approval Certificate</b> MegaPress, MegaPress G, Megapress FKM</p>

 10	<p><b>FM Approval Certificate</b> MegaPress EPDM 1/2" to 2"</p>
	<p><b>IAPMO Certificate</b> MegaPress &amp; MegaPress FKM</p>
	<p><b>IAPMO</b> MegaPress Branch Connectors</p>
	<p><b>IAPMO Certificate</b> Metallic Press-Connect Fittings for Piping and Tubing Systems</p>
	<p><b>ICC Certificate MegaPress</b> MegaPress &amp; MegaPress FKM</p>
	<p><b>ICC Certificate Seismic</b> Seismic Certificate for ProPress &amp; MegaPress</p>
	<p><b>UL213 Certificate MP &amp; MP FKM</b> MegaPress and MegaPress FKM</p>

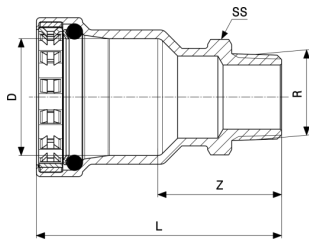
# Z dimensions



**Megapress T-piece**  
 - non-alloyed steel, zinc-nickel coating  
**Model 4217.2**

Article	VdS	DN	D1	Rp	D2	L1
695 163		15	½	½	½	52
695 170	✓	20	¾	½	¾	58
695 187	✓	25	1	½	1	65
695 194	✓	25	1	¾	1	65
695 200	✓	32	1¼	½	1¼	82
755 843	✓	32	1¼	¾	1¼	82
755 959	✓	32	1¼	1	1¼	82
695 217	✓	40	1½	½	1½	87
695 224	✓	40	1½	¾	1½	87
695 231	✓	40	1½	1	1½	87
695 248	✓	50	2	½	2	96
695 255	✓	50	2	¾	2	96
695 262	✓	50	2	1	2	96

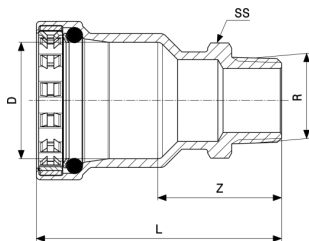
VdS = VdS certification



**Megapress Adapter**  
- non-alloyed steel, zinc-nickel coating  
**Model 4211**

Article	VdS	DN	D	R	Z	L	SS
<b>740 177</b>		10	¾	¾	33	57	24
<b>740 160</b>		10	¾	½	37	61	24
<b>695 279</b>		15	½	½	37	64	27
<b>695 286</b>	✓	20	¾	¾	40	70	32
<b>695 293</b>	✓	25	1	1	43	78	41
<b>695 309</b>	✓	32	1¼	1¼	48	94	46
<b>695 316</b>	✓	40	1½	1½	49	97	55
<b>695 323</b>	✓	50	2	2	54	104	70

VdS = VdS certification  
SS = spanner size



**Megapress Adapter**  
- non-alloyed steel, zinc-nickel coating  
**Model 4211.3**

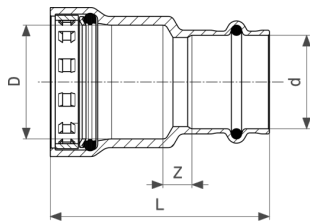
Article	DN1	external-Ø	DN2	R	Z	L	SS
<b>793 401<sup>1</sup></b>	32	38	20	¾	40	82	32
<b>793 395<sup>1</sup></b>	32	38	25	1	41	83	41
<b>793 418<sup>1</sup></b>	32	38	32	1¼	57	98	46
<b>754 860<sup>2</sup></b>	40	44.5	25	1	48	96	41
<b>783 112<sup>2</sup></b>	40	44.5	32	1¼	48	96	46
<b>783 129<sup>2</sup></b>	40	44.5	40	1½	47	94	55
<b>754 877<sup>1</sup></b>	50	57	32	1¼	55	103	46
<b>783 136<sup>1</sup></b>	50	57	40	1½	53	101	55
<b>783 143<sup>1</sup></b>	50	57	50	2	55	103	70

SS = spanner size

<sup>1)</sup> for steel pipes in pipe series 2 boiler pipe quality

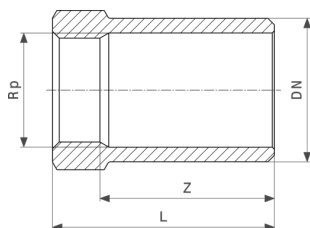
<sup>2)</sup> for steel pipes in pipe series 3 boiler pipe quality





**Megapress Adapter**  
- silicon bronze  
**Model 4213.2**

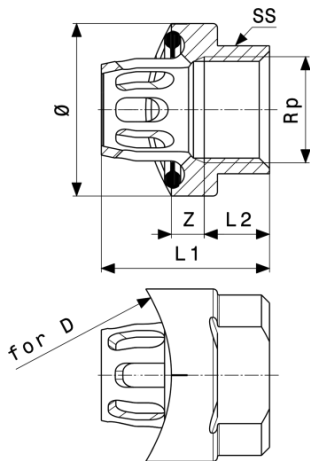
Article	DN	D	d	Z	L
<b>736 255</b>	15	½	15	5	55
<b>754 679</b>	15	½	18	4	54
<b>736 279</b>	20	¾	22	5	58
<b>736 293</b>	25	1	28	9	67
<b>736 309</b>	32	1¼	35	6	78
<b>736 316</b>	40	1½	42	7	90
<b>736 323</b>	50	2	54	8	98



**Megapress Plug-in piece**  
- non-alloyed steel, zinc-nickel coating  
**Model 4212.5**

Article	VdS	DN	D	Rp	Z	L
<b>758 578</b>	✓	25	1	½	37	52
<b>758 585</b>	✓	25	1	¾	35	52
<b>758 592</b>	✓	32	1¼	½	49	64
<b>758 608</b>	✓	32	1¼	¾	48	64
<b>758 615</b>	✓	32	1¼	1	45	64

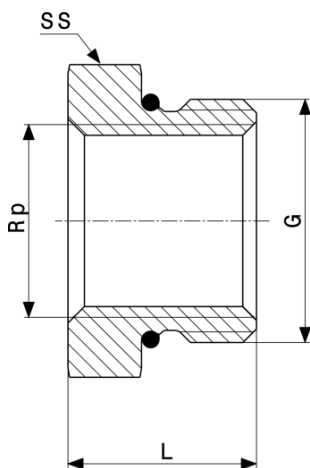
VdS = VdS certification



**Megapress Press-in branch connector**  
 - non-alloyed steel, zinc-nickel coating  
**Model 4212.2**

Article	for D	Rp	Z	L1	L2	Ø	SS
<b>731 168</b>	1½	¾	7	42	16	43	32
<b>731 175</b>	2	¾	8	42	16	43	32
<b>731 182</b>	2½	¾	8	42	16	43	32
<b>731 199</b>	3	¾	8	42	16	43	32
<b>731 205</b>	4	¾	8	42	16	43	32
<b>731 212</b>	5	¾	8	42	16	43	32
<b>731 229</b>	6	¾	8	42	16	43	32

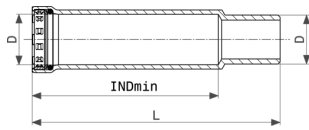
Ø = diameter  
 SS = spanner size



**Reducer**  
 - gunmetal  
**Model 3241.1**

Article	G	Rp	L	SS
<b>731 236</b>	¾	½	21	32

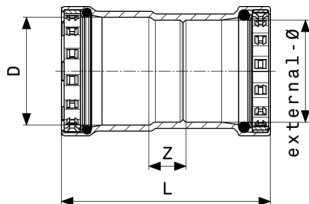
SS = spanner size



**Megapress Slip coupling**  
- non-alloyed steel, zinc-nickel coating  
**Model 4215.4**

Article	DN	D	L	INDmax	INDmin	Zmax	Zmin
<b>754 211</b>	10	¾	110	71	24	86	39
<b>754 228</b>	15	½	123	81	27	96	42
<b>754 235</b>	20	¾	152	109	29	122	43
<b>754 242</b>	25	1	173	121	34	87	52

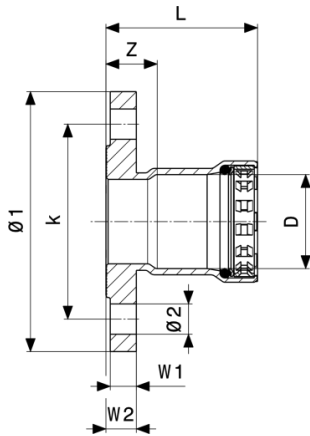
INDmin = insertion depth minimum  
Zmax = Z-dimension maximum  
Zmin = Z-dimension minimum



**Megapress Reducing coupling**  
- non-alloyed steel, zinc-nickel coating  
**Model 4215.7**

Article	DN1	D	DN2	external-Ø	Z	L
<b>793 425<sup>1</sup></b>	32	1¼	32	38	27	114
<b>754 853<sup>2</sup></b>	40	1½	40	44.5	19	114
<b>754 648<sup>1</sup></b>	50	2	50	57	21	120

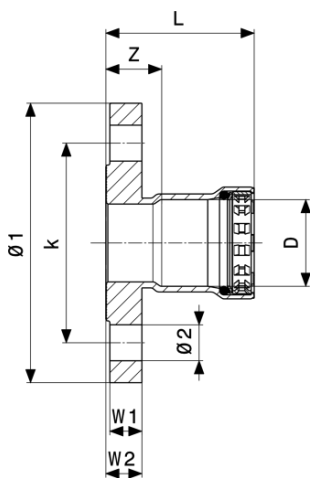
1) for steel pipes in pipe series 2 boiler pipe quality  
2) for steel pipes in pipe series 3 boiler pipe quality



**Megapress Flange transition**  
 - non-alloyed steel, zinc-nickel coating  
**Model 4259.1**

Article	DN	D	n
721 978	32	1¼	4
721 985	40	1½	4
721 992	50	2	4

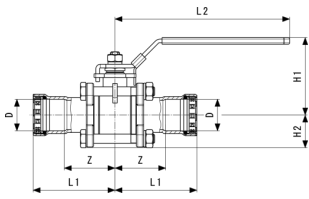
n = number of holes



**Megapress Flange transition**  
 - non-alloyed steel, zinc-nickel coating  
**Model 4259**

Article	VdS	DN	D	n
694 876	✓	32	1¼	4
694 883	✓	40	1½	4
694 890	✓	50	2	4

VdS = VdS certification  
 n = number of holes



**Easytop Ball valve**  
 - non-alloyed steel, zinc-nickel coating  
**Model 4275.8**

Article	Z	L1	L2	H1	H2
<b>787 165</b>	44	71	149	72	27
<b>787 172</b>	48	78	149	74	29
<b>787 189</b>	56	90	192	85	36
<b>787 196</b>	63	110	192	91	40
<b>787 202</b>	74	122	192	99	47
<b>787 219</b>	78	129	192	99	47

# Imprint

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