SG

Megapress

Submittal Package

viega

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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

Note
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
D⅜–2, 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.

Steel 1.0308
silicon bronze: CC246E / CuSi4Zn9MnP

Note – 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	⅜	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	⅜	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	⅜	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	⅜	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	⅜	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	⅜	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	⅜	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	⅜	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	⅜	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 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
	1½	40	48.3	
	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	⅜	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
	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	-	32	38.0	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				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				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	**AMTEC Certificate** Profipress, Sanpress, Sanpess Inox, Prestabo, Megapress, Profipress G, Sanpress Inox G, Megapress G
BAM	**BAM certificate** Megapress (DN 10 - DN 50) Oxygen
DVGW CERT	**DVGW type examination certificate** Megapress transition piece drinking water installation
TYPE APPROVED PRODUCT DNV·GL DNVGL.COM/AF	**DNV GL Type Approval Certificate** Megapress
TYPE APPROVED PRODUCT DNV·GL DNVGL.COM/AF	**DNV GL Type Approval Certificate** Megapress Push-in Connection
Vd TÜV	**TÜV Association Certificate** Megapress (DN 10 - DN 100)
Vd TÜV	**TÜV Association Certificate** Megapress press-connection (1 1/2" - 6")
VdS	**VdS certificate** Megapress (DN 20 - DN 100)
BUREAU VERITAS 1828	**Bureau Veritas Type Approval Certificate** Megapress
QB	**CSTB Certificate** Megapress/megapress S

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QB	**CSTB QB Certificate** Megapress/Megapress S
BSI	**BSI Kitemark Certificate** Megapress, Megapress S, Megapress G
EMI	**EMI certificate** Megapress
RINA	**RINA Type Approval Certificate** Megapress, Megapress (S) XL , Megapress G
ITB 10	**ITB National Technical Assessment** Megapress, Megapress S
ITB 10	**ITB National Technical Assessment** Megapress, Megapress S
ITB 10	**ITB Certificate of Constancy of Performance** Megapress, Megapress S
EITS	**EITS Technical Approval** Megapress, Megapress S, Megapress SXL
EITS	**EITS Certificate** Megapress, Megapress S, Megapress S XL
SBSC	**SBSC Certificate** Megapress, Megapress S, Megapress S XL
IZV	**IZV Certificate** Megapress, Megapress S XL
UKRCERTIFICATION	**LLC UKRCertification Certificate of conformity** Megapress
ABS TYPE APPROVED PRODUCT	**ABS Approval Certificate** MegaPress, MegaPress G, Megapress FKM

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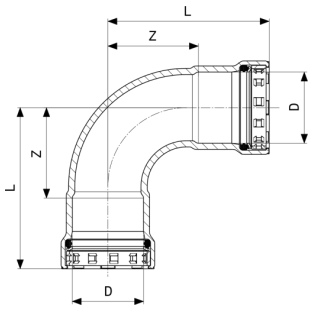
	FM Approval Certificate MegaPress EPDM 1/2" to 2"
	IAPMO Certificate MegaPress & MegaPress FKM
	IAPMO MegaPress Branch Connectors
	IAPMO Certificate Metallic Press-Connect Fittings for Piping and Tubing Systems
	ICC Certificate MegaPress MegaPress & MegaPress FKM
	ICC Certificate Seismic Seismic Certificate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

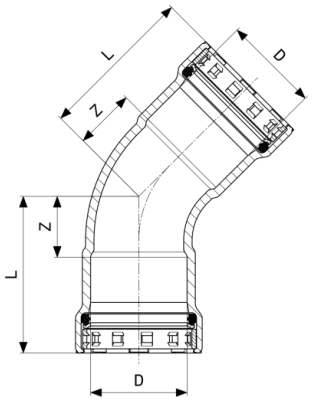
Z dimensions



Megapress Elbow 90°
- non-alloyed steel, zinc-nickel coating
Model 4216

Article	VdS	DN	D	Z	L
739 362		10	⅜	25	49
694 517		15	½	30	57
694 524	✓	20	¾	35	64
694 531	✓	25	1	44	78
694 548	✓	32	1¼	51	97
694 555	✓	40	1½	58	105
694 562	✓	50	2	71	121

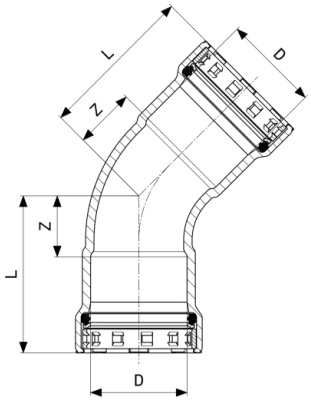
VdS = VdS certification



Megapress Elbow 45°
- non-alloyed steel, zinc-nickel coating
Model 4226

Article	VdS	DN	D	Z	L
739 379		10	⅜	13	37
694 579		15	½	15	43
694 586	✓	20	¾	18	48
694 593	✓	25	1	22	56
694 609	✓	32	1¼	25	71
694 616	✓	40	1½	29	76

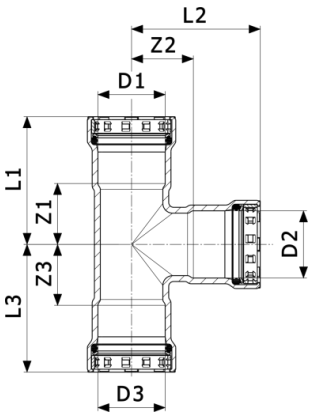
VdS = VdS certification



Megapress Elbow 45°
- non-alloyed steel, zinc-nickel coating
Model 4226

Article	VdS	DN	D	Z	L
694 623	✓	50	2	34	84

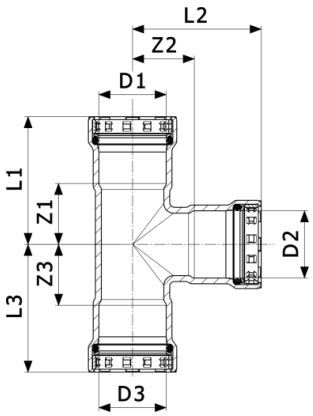
VdS = VdS certification



Megapress T-piece
- non-alloyed steel, zinc-nickel coating
Model 4218

Article	VdS	DN	D1	D2	D3	Z1	Z2	Z3	L1	L2
739 423		10	⅜	⅜	⅜	23	21	23	47	45
694 968		15	½	½	½	25	24	25	52	51
695 026		20	¾	½	¾	28	27	28	58	54
694 975	✓	20	¾	¾	¾	28	28	28	58	57
695 033		25	1	½	1	31	31	31	65	58
695 040	✓	25	1	¾	1	31	32	31	65	61
699 024	✓	25	1	1	1	31	32	31	65	66
747 794		32	1¼	½	1¼	36	34	36	82	61
695 057	✓	32	1¼	¾	1¼	36	35	36	82	65
695 095	✓	32	1¼	1	1¼	36	35	36	82	69
694 999	✓	32	1¼	1¼	1¼	36	35	36	82	81
695 064		40	1½	½	1½	40	37	40	87	64

VdS = VdS certification

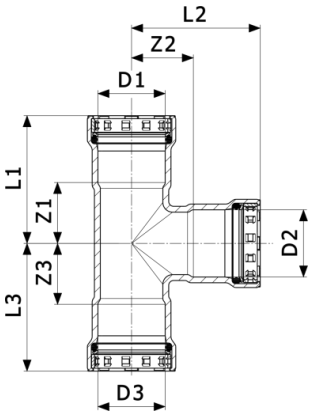


Megapress T-piece
- non-alloyed steel, zinc-nickel coating
Model 4218

Article	VdS	DN	D1	D2	D3	Z1	Z2	Z3	L1	L2
695 071	✓	40	1½	¾	1½	40	38	40	87	67
695 101	✓	40	1½	1	1½	40	38	40	87	72
695 088	✓	40	1½	1¼	1½	40	38	40	87	84
695 002	✓	40	1½	1½	1½	40	39	40	87	87
695 118		50	2	½	2	46	44	46	96	71
695 125	✓	50	2	¾	2	46	46	46	96	75
695 132	✓	50	2	1	2	46	45	46	96	79
695 149	✓	50	2	1¼	2	46	45	46	96	92
695 156	✓	50	2	1½	2	45	47	45	95	94
695 019	✓	50	2	2	2	45	46	45	95	96

Article	VdS	DN	D1	D2	D3	L3
739 423		10	⅜	⅜	⅜	47
694 968		15	½	½	½	52
695 026		20	¾	½	¾	58
694 975	✓	20	¾	¾	¾	58
695 033		25	1	½	1	65
695 040	✓	25	1	¾	1	65
699 024	✓	25	1	1	1	65
747 794		32	1¼	½	1¼	82
695 057	✓	32	1¼	¾	1¼	82
695 095	✓	32	1¼	1	1¼	82
694 999	✓	32	1¼	1¼	1¼	82
695 064		40	1½	½	1½	87
695 071	✓	40	1½	¾	1½	87
695 101	✓	40	1½	1	1½	87

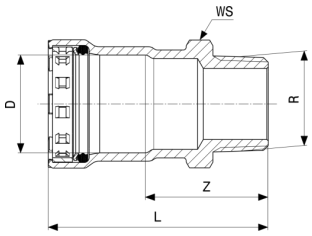
VdS = VdS certification



Megapress T-piece
- non-alloyed steel, zinc-nickel coating
Model 4218

Article	VdS	DN	D1	D2	D3	L3
695 088	✓	40	1½	1¼	1½	87
695 002	✓	40	1½	1½	1½	87
695 118		50	2	½	2	96
695 125	✓	50	2	¾	2	96
695 132	✓	50	2	1	2	96
695 149	✓	50	2	1¼	2	96
695 156	✓	50	2	1½	2	95
695 019	✓	50	2	2	2	95

VdS = VdS certification

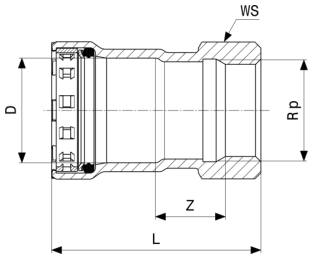


Megapress Adapter
- non-alloyed steel, zinc-nickel coating
Model 4211

Article	VdS	DN	D	R	Z	L	WS
740 177		10	⅜	⅜	33	57	24
740 160		10	⅜	½	37	61	24
695 279		15	½	½	37	64	27
695 286	✓	20	¾	¾	40	70	32
695 293	✓	25	1	1	43	78	41
695 309	✓	32	1¼	1¼	48	94	46
695 316	✓	40	1½	1½	49	97	55
695 323	✓	50	2	2	54	104	70

VdS = VdS certification
WS = wrench size

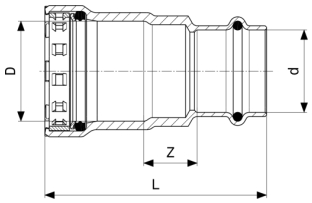
Z dimensions



Megapress Adapter
- non-alloyed steel, zinc-nickel coating
Model 4212

Article	VdS	DN	D	Rp	Z	L	WS
740 184		10	⅜	⅜	17	52	24
740 191		10	⅜	½	17	56	27
695 330		15	½	½	21	58	27
695 347	✓	20	¾	¾	23	62	32
695 354	✓	25	1	1	23	69	41
695 361	✓	32	1¼	1¼	24	85	46
695 378	✓	40	1½	1½	25	86	55
695 385	✓	50	2	2	25	92	70

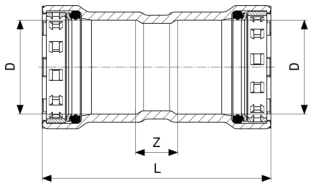
VdS = VdS certification
WS = wrench size



Megapress Adapter
- non-alloyed steel, zinc-nickel coating
Model 4213

Article	VdS	DN	D	d	Z	L
740 207		10	⅜	15	18	64
718 787		15	½	15	19	68
767 600		15	½	18	18	67
734 121		20	¾	15	22	73
718 794	✓	20	¾	22	19	71
734 138		25	1	15	23	79
718 800	✓	25	1	28	19	77
718 817	✓	32	1¼	35	19	91
718 824	✓	40	1½	42	19	102
718 831	✓	50	2	54	21	111

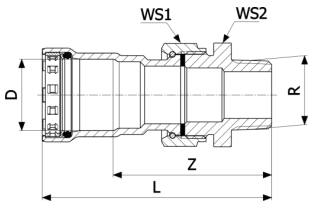
VdS = VdS certification



Megapress Coupling
- non-alloyed steel, zinc-nickel coating
Model 4215

Article	VdS	DN	D	Z	L
739 409		10	⅜	12	60
694 753		15	½	15	69
694 760	✓	20	¾	16	75
694 777	✓	25	1	15	84
694 784	✓	32	1¼	18	110
694 791	✓	40	1½	23	118
694 807	✓	50	2	20	120

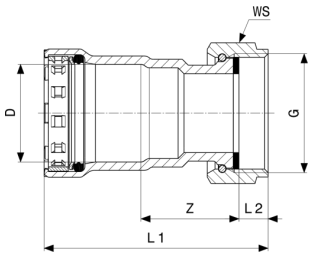
VdS = VdS certification



Megapress Adapter union
- non-alloyed steel, zinc-nickel coating
Model 4265

Article	VdS	DN	D	R	Z	L	WS1	WS2
718 923		15	½	½	66	93	30	27
718 909	✓	20	¾	¾	71	100	37	34
718 893	✓	25	1	1	77	111	46	46
718 916	✓	32	1¼	1¼	82	128	53	50
747 800	✓	40	1½	1½	84	132	60	55
747 817	✓	50	2	2	94	144	78	72

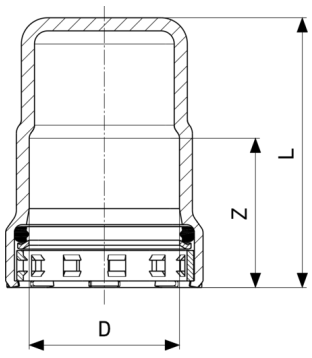
VdS = VdS certification
WS = wrench size



Megapress Connection screw fitting
- non-alloyed steel, zinc-nickel coating
Model 4263

Article	VdS	DN	D	G	Z	L1	L2	WS
718 886		15	½	¾	33	69	8	30
718 855	✓	20	¾	1	33	70	8	37
718 848	✓	25	1	1¼	35	79	10	46
718 879	✓	25	1	1½	26	70	10	53
718 862	✓	32	1¼	1½	37	93	10	53
725 860*	✓	32	1¼	2	28	88	14	66
747 824	✓	40	1½	1½	41	99	10	53
747 831	✓	50	2	2	45	109	14	66
806 514	✓	50	2	2⅜	40	103	13	78

VdS = VdS certification
WS = wrench size
* = Discontinued, limited availability



Megapress Cap
- non-alloyed steel, zinc-nickel coating
Model 4256

Article	VdS	DN	D	Z	L
740 153		10	⅜	24	51
694 906		15	½	27	54
694 913	✓	20	¾	29	57
694 920	✓	25	1	34	62
694 937	✓	32	1¼	46	74
694 944	✓	40	1½	48	77
694 951	✓	50	2	50	79

VdS = VdS certification

Imprint

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