





Extension spindles and surface boxes

Plastic surface boxes LENTUS	4
Plastic surface boxes PLASTUS	4
Ductile iron surface boxes REN (floating)	4
Self-leveling surface boxes KOMPAKTUS	5
Ductile iron surface boxes TOP	5
Ductile iron surface boxes RENKO	5
Support plates	5
Fixed extension spindles for gate valves	6
Telescopic extension spindles for gate valves	6
Fixed extension spindles for service connection valves	7
Telescopic extension spindles for service connection valves	7
Lock fot extension spindles	8
Spindle control keys	8

Manhole covers and grates

Square ductile-iron manhole AGARA	10
Square ductile-iron manhole TAMESIS	10
Round ductile-iron manhole LICUS	10
Round ductile-iron manhole SAVUS	10
Square ductile-iron manhole IBERUS	11
Square ductile-iron manhole MARGUS	11
Ductilce-iron grate with hinge ATERNUS	11
Ductilce-iron grate with frame ARVA	11
Ductilce-iron grate with frame DRAVUS	11
Ductilce-iron grate ARNUS	12
Ductilce-iron grate TANAIIS	12
Concrete support plates	12
Bucket.....	12
Square ductile-iron manhole AGARA KG with telescopic	13
Square ductile-iron manhole IBERUS with telescopic	13
Square ductile-iron manhole MARGUS with telescopic	13

Brass fittings

Brass fittings – sockets	14
Brass fittings – reductions	14
Brass fittings – T-pieces	14
Brass fittings – elbows	15
Brass fittings – plugs	15
Brass fittings – lids	15
Brass fittings – double nipples	16
Brass fittings – couplings	16

Ductile/grey iron fittings

Flanged pipe type FF	18
Flanged reducer type FFR.....	18
Flanged Tee type T.....	19
Flanged duckfoot bend 90° type N.....	19
Flanged bend 90° type Q.....	19
Flanged spigot pieces type F	20
X ending flanges	21

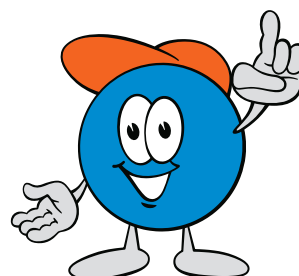
X blanke flanges with female thread	21
Loose flanges	21
Reduction flanges	22
Extending inserts NV	22
Extending inserts NV with thread	22
Water meter brackets.....	22
Water meter socket.....	22
Manholes steps	22
Plastic indicator plates and signs.....	23

Catalogue sheets

Plastic surface boxes LENTUS	26
Plastic surface boxes PLASTUS	27
Ductile-iron surface boxes TOP	28
Ductile-iron surface boxes RENKO	30
Self-leveling surface boxes KOMPAKTUS	32
Ductile-iron floatinf surface boxes (REN, REN PLUS)	33
Fixed extension spindes for gate valves.....	34
Telescopic extension spindes for gate valves.....	36
Fixed extension spindes for service connection valves	38
Telescopic extension spindes for service connection valves	40
Support plates	42
Spindle control keys.....	43
Mangoles AGARA	44
Manholes TAMESIS	45
Manholes LICUS	46
Mangoles SAVUS	47
Manholes IBERUS, MARGUS	48
Grates ATERNUS	49
Grates DRAVUS	50
Grates TANAIIS	51
Grates ARNUS	52
Manhole AGARA KG	53
Bucket.....	54
Water meter brackets.....	55
Brass fittings	56
Flanged pipe fittings	60
X blange fittings	63
Reductions flanges	64
Loose flanges	65
Extending inserts NV	66
Water meter socket.....	67
Plastic indicator plates and signs, steel posts, concrete stand	68
Manholes steps	69



We would like to introduce you to the products of HECKL s.r.o. and our prices. In this catalogue you will find not only products which have been tested over time, but also new products which we have developed in our new production plant in Rumburk. We believe that you will find the right product for your needs.



KRALUPY NAD VLTAVOU - HEADOFFICE

HECKL s.r.o.

Premyslova 153, 278 01, Kralupy nad Vltavou

Identification number: 62956833

VAT: CZ62956833

e-mail: info@heckl.cz

Product manager

Stepan Petrzelka,

e-mail: stepan.petrzelka@heckl.cz

mobile: +420 703 141 643

Export/import

Jaroslav Gregor

e-mail: jaroslav.gregor@heckl.cz

mobile: +420 732 827 397

Jiri Cizek

e-mail: jiri.cizek@heckl.cz

mobile: +420 739 200 831

RUMBURK - PRODUCTION PLANT

Prazska 465, 408 01 Rumburk

e-mail: rumburk@heckl.cz

Prices are without VAT. Price change reserved. We apologize for possible printing errors and inaccurate information.

Production plant in Czech Republic





Extension spindle and surface box

Plastic surface boxes LENTUS



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC3550000000	for service connection valve W - plastic lid	1,5	160	13,20
ZC3540000000	for service connection valve VODA - plastic lid	1,5	160	13,20
ZL3550000000	for service connection valve GAS - plastic lid	1,5	160	13,20
ZA3670000000	for gate valve W - plastic lid	2,3	72	19,60
ZA3660000000	for gate valve VODA - plastic lid	2,3	72	19,60
ZL3670000000	for gate valve GAS - plastic lid	2,3	72	19,60
ZB3370000000	for hydrant HYDRANT - plastic lid	4,3	24	46,50
ZL3380000000	for hydrant GAS - plastic lid	4,3	24	49,40

Lid included magnet. Different marking or lid color can be done based on market requirements.

Plastic surface boxes - PLASTUS



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC3460000000	for service connection valve W - black grey iron lid	3	160	16,60
ZC3460000001	for service connection valve W - blue grey iron lid	3	160	16,60
ZC3480000000	for service connection valve VODA - blue grey iron lid	3	160	16,60
ZA3650000000	for gate valve W - black grey iron lid	5,7	72	24,60
ZA3650000001	for gate valve W - blue grey iron lid	5,7	72	24,60
ZA3480000000	for gate valve VODA - blue grey iron lid	5,7	72	24,60
ZB3320000001	for hydrant HYDRANT - black grey iron lid	14,3	24	61,80
ZB3320000000	for hydrant HYDRANT - blue grey iron lid	14,3	24	61,80
ZL3334000000	for hydrant GAS - black grey iron lid	14,3	24	61,80

Certificate DVGW. Different marking or lid color can be done based on market requirements.

Plastic surface boxes with red lid - PLASTUS



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZB3320000005	for hydrant HYDRANT - red grey iron lid	14,3	24	61,80


Ductile-iron surface boxes REN (floating)



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZA3200000000	floating surface box REN round	4,8	–	27,20
ZA3210000000	floating surface box REN square	4,9	–	27,20
ZA3220000000	floating surface box REN Plus round with metal chain	4,9	–	28,40
ZA3230000000	floating surface box REN Plus square with metal chain	5,0	–	28,40

Different marking or lid color can be done based on market requirements.


Self-levelling surface boxes KOMPAKTUS



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC3470000000	for service connection valve W, band, blue lid	5,6	196	35,60
ZC3500000001	for service connection valve W, hook, blue lid	5,6	196	35,60
ZC3500000000	for service connection valve W, band, black lid	5,6	196	35,60
ZC3490000000	for service connection valve VODA, band, blue lid	5,6	196	35,60
ZA3470000001	for gate valve W, band, blue lid	9	100	49,60
ZA3500000000	for gate valve W, hook, blue lid	9	100	49,60
ZA3470000000	for gate valve W, band, black lid	9	100	49,60
ZA3490000000	for gate valve VODA, band, blue lid	9	100	49,60
ZB3330000001	for hydrant HYDRANT, band blue lid	23	33	97,20
ZB3340000000	for hydrant HYDRANT, hook, blue lid	23	33	97,20
ZB3330000000	for hydrant HYDRANT, band, black lid	23	33	97,20

Different marking or lid color can be done based on market requirements.


Ductile-iron surface boxes TOP



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC3380000000	for service connection valve VODA – blue ductile iron lid	5,6	196	24,40
ZA3570000000	for gate valve VODA – blue ductile iron lid	9	100	37,00
ZA3710000000	for gate valve KANAL - black ductile iron lid	9	100	34,60
ZB3160000000	for hydrant HYDRANT – blue ductile iron lid	23	33	81,20

Different marking or lid color can be done based on market requirements.


Ductile-iron surface boxes RENKO



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC3120000000	for service connection valve VODA - black ductile iron lid	5,6	196	20,40
ZA3100000000	for gate valve VODA - black ductile iron lid	9	100	31,20
ZB3110000000	for hydrant HYDRANT - black ductile iron lid	23	33	75,40

Different marking or lid color can be done based on market requirements.

Support plates



Catalogue No.	Description	Weight (kg)	pcs/pallet	Price €
ZC2900000001	support plates ductile iron universal P30	3,2		8,80
ZB4520000000	support plates hydrant, plastic	1,7	168	11,20
ZAC1500000000	support plates universal VARIO 15, 1-piece	0,43	600	5,60



Extension spindle and surface box


Fixed extension spindles for gate valves

	Catalogue No.	DN	Rd (m)	Weight (kg)	pcs/pallet	L (mm)	Price €
	ZA112050000xx	40, 50	1,5	4,1	40	1200	26,40
	ZA112080000xx	65, 80	1,5	4,1	40	1100	26,40
	ZA112150000xx	100 - 150	1,5	4,1	40	1100	26,40
	ZA112200000xx	200	1,5	5,0	40	1000	31,40
	ZA112300000xx	250 - 300	1,5	4,9	40	900	31,40
	ZA113050000xx	40, 50	2,0	5,5	40	1700	29,00
	ZA113080000xx	65, 80	2,0	5,5	40	1600	29,00
	ZA113150000xx	100 - 150	2,0	5,5	40	1600	29,00
	ZA113200000xx	200	2,0	6,7	40	1500	34,60
	ZA113300000xx	250 - 300	2,0	6,6	40	1200	34,60

Telescopic extension spindles for gate valves


	Catalogue No.	DN	Rd (m)	Weight (kg)	pcs/pallet	L (mm)	Price €
	ZA240050000xx	40, 50	1,0 - 1,4	3,5	40	646-1065	49,00
	ZA240080000xx	65, 80	1,0 - 1,4	3,5	40	646-1065	49,00
	ZA240150000xx	100 - 150	1,0 - 1,4	3,5	40	646-1065	49,00
	ZA240200000xx	200	1,2 - 1,6	4,5	40	653-1078	60,00
	ZA240300000xx	250 - 300	1,4 - 1,8	4,5	40	653-1078	62,80
	ZA241050000xx	40, 50	1,2 - 1,8	4,3	40	846-1465	52,00
	ZA241080000xx	65, 80	1,2 - 1,8	4,3	40	846-1465	52,00
	ZA241150000xx	100 - 150	1,2 - 1,8	4,3	40	846-1465	52,00
	ZA241200000xx	200	1,4 - 2,0	5,7	40	853-1478	69,80
	ZA241300000xx	250 - 300	1,6 - 2,2	5,7	40	853-1478	71,80
	ZA242050000xx	40, 50	1,4 - 2,2	5,7	40	1146-2065	56,60
	ZA242080000xx	65, 80	1,4 - 2,2	5,7	40	1146-2065	56,60
	ZA242150000xx	100 - 150	1,4 - 2,2	5,7	40	1146-2065	56,60
	ZA242200000xx	200	1,6 - 2,5	7,6	40	1153-2078	69,80
	ZA242300000xx	250 - 300	1,8 - 2,7	7,6	40	1153-2078	73,20
	ZA243050000xx	40, 50	1,9 - 3,2	7,6	40	1547-2865	62,80
	ZA243080000xx	65, 80	1,9 - 3,2	7,6	40	1547-2865	62,80
	ZA243150000xx	100 - 150	1,9 - 3,2	7,6	40	1547-2865	62,80
	ZA243200000xx	200	2,0 - 3,3	10,1	40	1553-2878	75,60
	ZA243300000xx	250 - 300	2,2 - 3,4	10,1	40	1553-2878	77,80

Fixed extension spindles for service connection valves



Catalogue No.	DN	Rd (m)	Weight (kg)	pcs/pallet	L (mm)	Price €
ZC132050000xx	3/4" - 2"	1,5	2,8	80	1350	17,20
ZC13203200003	3/4" - 5/4"	1,5	2,8	80	1350	17,20
ZC133050000xx	3/4" - 2"	2,0	3,8	80	1820	17,80
ZC13303200003	3/4" - 5/4"	2,0	3,8	80	1820	17,80

Telescopic extension spindles for service connection valves



Catalogue No.	DN	Rd (m)	Weight (kg)	pcs/pallet	L (mm)	Price €
ZC239050000xx	3/4" - 2"	1,0 - 1,4	2,8	80	762-1189	31,80
ZC23903200003	3/4" - 5/4"*	1,0 - 1,4	2,8	80	762-1189	31,80
ZC240050000xx	3/4" - 2"	1,1 - 1,7	3,3	80	881-1489	34,20
ZC24003200003	3/4" - 5/4"*	1,1 - 1,7	3,3	80	881-1489	34,20
ZC241050000xx	3/4" - 2"	1,3 - 2,1	4,1	80	1109-1889	37,20
ZC24103200003	3/4" - 5/4"*	1,3 - 2,1	4,1	80	1109-1889	37,20
ZC242050000xx	3/4" - 2"	1,6 - 2,7	4,8	80	1321-2389	41,40
ZC24203200003	3/4" - 5/4"*	1,6 - 2,7	4,8	80	1321-2389	41,40

* for service connection valves Belgicast

Table of valves producers (xx)	
producer valves	code
VAG	01
AVK	02
Belgicast	03
Hawle	04
Hawle E1	05
Hawle E2	06
Saint Gobain	07
Zoigo	08
GF	09

Ordering:

Instead of xx at the end of the code indicates code of producer - see table



Extension spindle and surface box

Magnet for lids of surface box PLASTUS



Catalogue No.	Description	Price €
G41180000000	magnet for lids of surface box PLASTUS	1,50

Lock for extension spindle LUKO



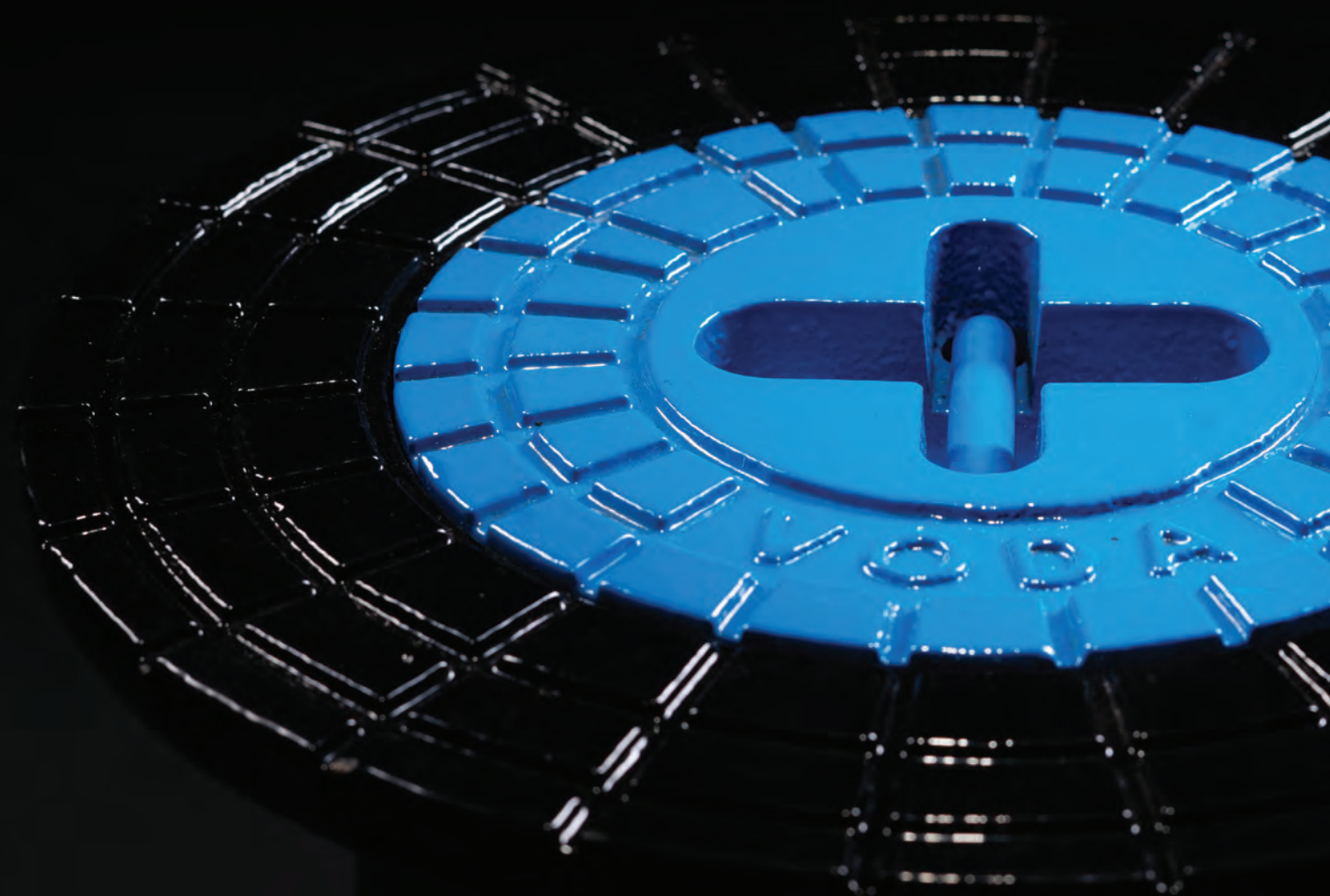
Catalogue No.	Description	Price €
ZA80000000000	lock for extension spindle for gate valves	32,40
ZC80000000000	lock for extension spindle for service connection valves	16,80

Spindle control keys



Catalogue No.	Description	Price €
Y601000000001	spindle operating key - gate valve, hydrant	24,40
Y601000000003	spindle operating key 12 × 12 - service connection valves	20,40
Y601000000002	spindle operating key 14 × 14 - service connection valves	20,40
Y601000000004	spindle operating key universal UNI	98,80
Y603000000000	spindle operating key for manholes HECKL	14,60
Y602900000000	spindle operating key for well manhole	9,60

WE ARE PROUD OF OUR **PRODUCTS**




CHECKL

KOMPAKTUS - SELF-LEVELLING SURFACE BOX




Manhole covers and grates


Square ductile-iron manhole cover AGARA

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	pcs/pallet	Price €
	H232000000400	manhole cover square	400×400	B 125	22	10	75,80
	H233000000500	manhole cover square	500×500	B 125	32	10	103,40
	H235000000600	manhole cover square	600×600	B 125	44	10	120,60
	H235500000600	manhole cover square with sealing	600×600	B 125	44	10	142,80

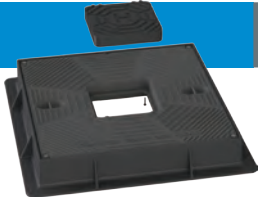
Square ductile-iron manhole cover AGARA KG

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	pcs/pallet	Price €
	H231000000400	manhole cover square	400×400	B 125	23	10	75,80


Square ductile-iron manhole cover TAMESIS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	pcs/pallet	Price €
	H395500000600	manhole cover square	600×600	D400	66	10	206,40
	H395900000600	manhole cover square with sealing	600×600	D400	66	10	225,20


Square ductile-iron manhole cover TAMESIS with plastic plate for radio transmission

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	pcs/pallet	Price €
	H396200000600	manhole square cover with plastic plate for radio transmission	600×600	D400	66	10	334,60


Round grey-iron manhole cover LICUS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
	H150100000300	manhole cover round	DN 315	A15	5	25,20
	H150200000400	manhole cover round	DN 400	A15	7	29,40


Round ductile-iron manhole cover SAVUS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
	H150300000300	manhole cover round	DN 315	A15	6	37,80
	H150400000400	manhole cover round	DN 400	A15	9	42,40


Square ductile-iron manhole cover IBERUS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
	H151300000300	manhole cover square for KG 315	DN 315	B125	7	39,20
	H151400000400	manhole cover square for KG 400	DN 400	B125	12	55,20


Square ductile-iron manhole MARGUS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
	H151500000300	manhole cover square for KG 315	DN 315	D400	13	53,00
	H151600000400	manhole cover square for KG 400	DN 400	D400	19	81,00

Ductile-iron grate with hinge ATERNUS

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	pcs/pallet	Price €
	H801700000500	grate with hinge	500×500	D400	67	16	119,80

Ductile-iron grate with frame ARVA

	Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
	H535000000300	grate with frame	300×300	A15	8,0	21,00



Manhole covers and grates

Ductile-iron grate with frame DRAVUS



Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
H60500000300	grate with frame	300×300	B125	10,3	35,60
H605300000400	grate with frame	400×400	B125	21,8	69,60
H605600000500	grate with frame	500×500	B125	38,7	123,40

Ductile-iron grate ARNUS



Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
H80500000400	ductile iron grate for KG 315	400×400	D400	23	115,20
H805300000000	assembly lid	—	—	—	229,60

For installation on roads with a gradient of up to 7°

Ductile-iron grate TANAIIS




Catalogue No.	Description	Dimension (mm)	Load class	Weight (kg)	Price €
H602400000300	ductile iron grate for KG 315	300×300	D400	14	60,00
H602600000400	ductile iron grate for KG 400	400×400	D400	16	65,80

Slit bucket




Catalogue No.	Description	Dimension (mm)	Price (€)
H981500000A4	high slit bucket A4	385 x 596	23,00
H981500000B1	low slit bucket B1	385 x 250	15,40


Square ductile-iron manhole AGARA KG with telescope

	Catalogue No.	Description	Dimension (mm)	Load class	Price €
	F93400000000	manhole square with telescope	400 mm	B125	85,80

Square ductile-iron manhole IBERUS with telescope

	Catalogue No.	Description	Dimension (mm)	Load class	Price €
	F933900000300	manhole square with telescope	DN 300	B125	77,90

Square ductile-iron manhole MARGUS with telescope

	Catalogue No.	Description	Dimension (mm)	Load class	Price €
	F933800000300	manhole square with telescope	DN 300	D400	103,30



Brass fittings

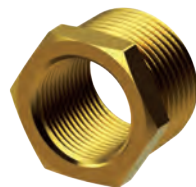
Application: Brass fittings are designed for distribution of water including drinking water and gas. Working pressure 1,0 MPa and temperature 0 °C – 110 °C. Characteristics: Produced according to EN 1254-4 (EN1254-1). Each fitting is laser marked with name of producer HECKL, diameter, production batch and type of material. Male threads are roughened for better adhesion of sealing material. Brass CW617N a CW602N. Fittings are certified for drinking water. DVGW certificate.

Brass fittings – sockets



	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C511010000015	--	R 1/2"	20	200	2,40	--
	C511010000020	--	R 3/4"	15	150	2,80	--
	C511010000025	--	R 1"	10	100	3,40	--
	C511010000032	--	R 5/4"	5	45	5,60	--
	C511010000040	--	R 6/4"	5	30	9,20	--
	C511010000050	--	R 2"	2	20	15,80	--

Brass fittings – reductions




	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C513510020015	C513710020015	R 3/4" × 1/2"	20	400	2,00	on demand
	C513510025015	C513710025015	R 1" × 1/2"	10	170	3,20	on demand
	C513510025020	C513710025020	R 1" × 3/4"	10	220	2,60	on demand
	C513510032015	C513710032015	R 5/4" × 1/2"	5	80	6,20	on demand
	C513510032020	C513710032020	R 5/4" × 3/4"	5	80	5,40	on demand
	C513510032025	C513710032025	R 5/4" × 1"	5	80	4,60	on demand
	C513510040015	C513710040015	R 6/4" × 1/2"	5	60	7,40	on demand
	C513510040020	C513710040020	R 6/4" × 3/4"	5	60	7,00	on demand
	C513510040025	C513710040025	R 6/4" × 1"	5	60	6,60	on demand
	C513510040032	C513710040032	R 6/4" × 5/4"	5	60	5,40	on demand
	C513510050020	C513710050020	R 2" × 3/4"	2	36	13,40	on demand
	C513510050025	C513710050025	R 2" × 1"	2	36	12,60	on demand
	C513510050032	C513710050032	R 2" × 5/4"	2	36	11,20	on demand
	C513510050040	C513710050040	R 2" × 6/4"	2	36	10,40	on demand

Brass fittings – T-pieces

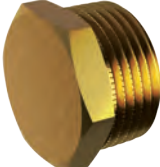


	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C532210000015	--	FFF R 1/2"	10	120	5,00	--
	C532210000020	--	FFF R 3/4"	10	70	6,00	--
	C532210000025	--	FFF R 1"	10	40	7,40	--
	--	C532510000032	FFF R 5/4"	4	20	--	15,00
	--	C532510000040	FFF R 6/4"	4	16	--	20,60
	--	C532510000050	FFF R 2"	1	12	--	29,00

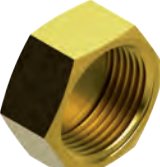
Brass fittings – elbow

	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C521210000015	--	R 1/2" FF	10	150	3,80	--
	C521210000020	--	R 3/4" FF	10	100	5,20	--
	C521210000025	--	R 1" FF	10	60	7,60	--
	--	C521510000032	R 5/4" FF	5	25	--	12,40
	--	C521510000040	R 6/4" FF	4	16	--	15,20
	--	C521510000050	R 2" FF	2	12	--	24,80
	C521310000015	--	R 1/2" MF	10	150	4,80	--
	C521310000020	--	R 3/4" MF	10	80	6,40	--
	C521310000025	--	R 1" MF	10	50	7,60	--
	--	C521610000032	R 5/4" MF	5	25	--	14,00
	--	C521610000040	R 6/4" MF	5	20	--	20,40
	--	C521610000050	R 2" MF	2	12	--	27,60

Brass fittings – plugs

	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C551010000015	--	G 1/2" M	20	400	1,80	--
	C551010000020	--	G 3/4" M	20	400	2,40	--
	C551010000025	--	G 1" M	10	220	3,20	--
	C551010000032	--	G 5/4" M	5	80	4,80	--
	C551010000040	--	G 6/4" M	5	60	6,80	--
	C551010000050	--	G 2" M	2	36	10,60	--

Brass fittings – lids

	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C551210000015	--	G 1/2" F	20	400	1,80	--
	C551210000020	--	G 3/4" F	20	300	2,40	--
	C551210000025	--	G 1" F	10	220	3,40	--
	C551210000032	--	G 5/4" F	5	80	5,20	--
	C551210000040	--	G 6/4" F	5	60	6,80	--
	C551210000050	--	G 2" F	2	36	14,20	--



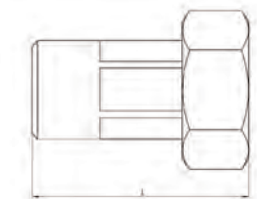
Brass fittings

Brass fittings – double nipples

	Catalogue No.		Dimension	Small packing	Large packing	Price/piece (€)	
	CW617N	CW602N				CW617N	CW602N
	C561010000015	C562110000015	R 1/2" MM	20	220	1,60	on demand
	C561010000020	C562110000020	R 3/4" MM	20	200	2,00	on demand
	C561010000025	C562110000025	R 1" MM	10	100	3,20	on demand
	C561010000032	C562110000032	R 5/4" MM	5	45	5,60	on demand
	C561010000040	C562110000040	R 6/4" MM	5	30	7,40	on demand
	C561010000050	C562110000050	R 2" MM	2	24	10,40	on demand
	C563010020015	C563210020015	R 3/4" × 1/2" MM	20	160	2,80	on demand
	C563010025015	C563210025015	R 1" × 1/2" MM	10	100	4,80	on demand
	C563010025020	C563210025020	R 1" × 3/4" MM	10	100	4,00	on demand
	C563010032015	--	R 5/4" × 1/2" MM	5	45	7,20	--
	C563010032020	C563210032020	R 5/4" × 3/4" MM	5	45	7,20	on demand
	C563010032025	C563210032025	R 5/4" × 1" MM	5	45	6,40	on demand
	C563010040015	--	R 6/4" × 1/2" MM	5	30	9,20	--
	C563010040020	C563210040020	R 6/4" × 3/4" MM	5	30	10,00	on demand
	C563010040025	C563210040025	R 6/4" × 1" MM	5	30	8,00	on demand
	C563010040032	C563210040032	R 6/4" × 5/4" MM	5	30	14,60	on demand
	C563010050025	C563210050025	R 2" × 1" MM	2	24	13,00	on demand
	C563010050032	C563210050032	R 2" × 5/4" MM	2	24	11,60	on demand
	C563010050040	C563210050040	R 2" × 6/4" MM	2	24	9,90	on demand

Brass fittings – couplings

	Catalogue No.	Dimension	L (mm)	Small packing	Large packing	Price/Piece (€)
	C571210015020	couplings HECKL R 1/2" × 3/4"	22	20	160	5,20
	C571210020025	couplings HECKL R 3/4" × 1"	24	10	100	5,60
	C571210025032	couplings HECKL R 1" × 5/4"	27	5	45	9,20
	C571210040050	couplings HECKL R 6/4" × 2"	31	2	24	12,00
	C571310015020	couplings HECKL R 1/2" × 3/4" long	34	20	160	6,40
	C571310020025	couplings HECKL R 3/4" × 1" long	40	10	100	7,00
	C571310025032	couplings HECKL R 1" × 5/4" long	38	5	45	10,80
	C571310040050	couplings HECKL R 6/4" × 2" long	50	2	24	13,00



With fiber seal. Available only in CW617N

DISPLAY RACK GRATIS

price for rack content

Special
offer

on the rack
content

HECKL
CZECH PRODUCER
OF BRASS FITTINGS

Big set

za 2 059 EUR

(include 1/2" - 2" fittings,
total 550 pcs)

Small set

za 1 369 EUR

(include 1/2" - 5/4" fittings,
total 459 pcs)

Big set: reductions – 83 pcs, elbows FF – 39 pcs, elbows MF – 42 , double nipples – 62 pcs,
double nipples reduced – 76 pcs, T-pieces – 39 pcs, lids – 60 pcs, plugs – 62 pcs,
couplings – 30 pcs, sockets – 57 pcs

Small set: reductions – 55 pcs, elbows FF – 35 pcs, elbows MF – 35 pcs, double nipples – 55 pcs,
double nipples reduced – 55 pcs, T-pieces – 34 pcs, lids – 55 pcs, plugs – 55 pcs,
couplings – 30 pcs, sockets – 50 pcs



Ductile/grey iron fittings

Flanged pipe type FF




Catalogue No.	Description	DN	Lenght	Pressure	Material	Price (€)
E410016050010	Flanged pipe type FF	50	100	PN16	Ductile iron	100,80
E410016050015	Flanged pipe type FF	50	150	PN16	Ductile iron	119,20
E410016050015	Flanged pipe type FF	50	200	PN16	Ductile iron	91,60
E410016050030	Flanged pipe type FF	50	300	PN16	Ductile iron	128,00
E410016050040	Flanged pipe type FF	50	400	PN16	Ductile iron	129,40
E410016050050	Flanged pipe type FF	50	500	PN16	Ductile iron	175,80
E410016050100	Flanged pipe type FF	50	1000	PN16	Ductile iron	221,80
E410016080010	Flanged pipe type FF	80	100	PN16	Ductile iron	72,80
E410016080020	Flanged pipe type FF	80	200	PN16	Ductile iron	82,60
E410016080030	Flanged pipe type FF	80	300	PN16	Ductile iron	97,00
E410016080040	Flanged pipe type FF	80	400	PN16	Ductile iron	107,00
E410016080050	Flanged pipe type FF	80	500	PN16	Ductile iron	121,60
E410016080100	Flanged pipe type FF	80	1000	PN16	Ductile iron	207,20
E410016100010	Flanged pipe type FF	100	100	PN16	Ductile iron	87,20
E410016100020	Flanged pipe type FF	100	200	PN16	Ductile iron	97,00
E410016100030	Flanged pipe type FF	100	300	PN16	Ductile iron	111,60
E410016100050	Flanged pipe type FF	100	500	PN16	Ductile iron	150,20
E410016100100	Flanged pipe type FF	100	1000	PN16	Ductile iron	256,60
E410016150010	Flanged pipe type FF	150	100	PN16	Ductile iron	116,40
E410016150020	Flanged pipe type FF	150	200	PN16	Ductile iron	145,80
E410016150030	Flanged pipe type FF	150	300	PN16	Ductile iron	165,00
E410016150050	Flanged pipe type FF	150	500	PN16	Ductile iron	223,00
E410016150100	Flanged pipe type FF	150	1000	PN16	Ductile iron	443,00
E410010200010	Flanged pipe type FF	200	100	PN10	Ductile iron	172,80
E410010200020	Flanged pipe type FF	200	200	PN10	Ductile iron	203,80
E410010200030	Flanged pipe type FF	200	300	PN10	Ductile iron	247,40
E410010200050	Flanged pipe type FF	200	500	PN10	Ductile iron	331,00
E410010200100	Flanged pipe type FF	200	1000	PN10	Ductile iron	567,20

Flanged reducer type FFR




Catalogue No.	Description	DN 1	DN 2	Pressure	Material	cena (Kč)	cena (€)
E416016080050	Flanged reducer type FFR	80	50	PN16	Ductile iron	1 776,-	70,00
E416016100080	Flanged reducer type FFR	100	80	PN16	Ductile iron	2 264,-	89,20
E416016100084	Flanged reducer type FFR	100	80 - 4 h.	PN16	Ductile iron	2 264,-	89,20
E416016150080	Flanged reducer type FFR	150	80	PN16	Ductile iron	2 832,-	111,60
E416016150100	Flanged reducer type FFR	150	100	PN16	Ductile iron	3 144,-	123,80
E416010200080	Flanged reducer type FFR	200	80	PN10	Ductile iron	4 188,-	165,00
E416010200100	Flanged reducer type FFR	200	100	PN10	Ductile iron	4 316,-	170,00
E416010200150	Flanged reducer type FFR	200	150	PN10	Ductile iron	5 656,-	222,60

Flanged Tee type T




Catalogue No.	Description	DN 1	DN 2	Pressure	Material	Price (€)
E432516050050	Flanged Tee type T	50	50	PN16	Ductile iron	116,60
E432516080050	Flanged Tee type T	80	50	PN16	Ductile iron	116,80
E432516080080	Flanged Tee type T	80	80	PN16	Ductile iron	136,20
E432516080084	Flanged Tee type T	80	80 - 4 h.	PN16	Ductile iron	136,20
E432516100080	Flanged Tee type T	100	80	PN16	Ductile iron	160,40
E432516100084	Flanged Tee type T	100	80 - 4 h.	PN16	Ductile iron	160,40
E432516100100	Flanged Tee type T	100	100	PN16	Ductile iron	167,60
E432516150080	Flanged Tee type T	150	80	PN16	Ductile iron	262,00
E432516150100	Flanged Tee type T	150	100	PN16	Ductile iron	271,40
E432516150150	Flanged Tee type T	150	150	PN16	Ductile iron	291,00
E432510200080	Flanged Tee type T	200	80	PN10	Ductile iron	387,60
E432510200100	Flanged Tee type T	200	100	PN10	Ductile iron	402,20
E432510200150	Flanged Tee type T	200	150	PN10	Ductile iron	426,80
E432510200200	Flanged Tee type T	200	200	PN10	Ductile iron	466,40

Flanged duckfoot bend 90° type N




Catalogue No.	Description	DN	Pressure	Material	Price (€)
E426516000050	Flanged duckfoot bend 90° type N	50	PN16	Ductile iron	103,40
E426516000080	Flanged duckfoot bend 90° type N	80	PN16	Ductile iron	107,00
E426516000084	Flanged duckfoot bend 90° type N	80 - 4 h.	PN16	Ductile iron	107,00
E426516000100	Flanged duckfoot bend 90° type N	100	PN16	Ductile iron	150,40
E426516000150	Flanged duckfoot bend 90° type N	150	PN16	Ductile iron	257,40
E426510000200	Flanged duckfoot bend 90° type N	200	PN10	Ductile iron	419,60

Flanged bend 90° type Q



Catalogue No.	Description	DN	Pressure	Material	Price (€)
E426016000050	Flanged bend 90° type Q	50	PN16	Ductile iron	77,80
E426016000080	Flanged bend 90° type Q	80	PN16	Ductile iron	87,40
E426016000100	Flanged bend 90° type Q	100	PN16	Ductile iron	106,80
E426016000150	Flanged bend 90° type Q	150	PN16	Ductile iron	184,40
E426010000200	Flanged bend 90° type Q	200	PN10	Ductile iron	296,00

Flanged spigot pieces type F




Catalogue No.	Description	DN	Pressure	Material	Price (€)
E415016000050	Flanged spigot pieces type F	50	PN16	Ductile iron	82,00
E415016000080	Flanged spigot pieces type F	80	PN16	Ductile iron	84,80
E415016000100	Flanged spigot pieces type F	100	PN16	Ductile iron	97,00
E415016000150	Flanged spigot pieces type F	150	PN16	Ductile iron	155,00
E415010000200	Flanged spigot pieces type F	200	PN10	Ductile iron	222,80




Ductile/grey iron fittings

Blank flanges


	Catalogue No.	Description	DN	Pressure	Material	Price €
	E637016000040	X - blank flange	40	PN16	grey iron	10,20
	E438016000050	X - blank flange	50	PN16	ductile iron	11,80
	E637016060065	X - blank flange	65	PN16	grey iron	16,60
	E438016000080	X - blank flange	80	PN16	ductile iron	16,60
	E438016000100	X - blank flange	100	PN16	ductile iron	18,80
	E438016000125	X - blank flange	125	PN16	ductile iron	34,40
	E438016000150	X - blank flange	150	PN16	ductile iron	34,40
	E438010000200	X - blank flange	200	PN10	ductile iron	55,80

Blank flanges with female thread


	Catalogue No.	Description	DN	Thread	Pressure	Material	Price €
	E6372160400YY	X - blank flange with female thread	40	1/2"-6/4"	PN16	grey iron	14,80
	E6372160500YY	X - blank flange with female thread	50	1/2"- 2"	PN16	grey iron	15,80
	E6372160600YY	X - blank flange with female thread	60/65	1/2"- 2"	PN16	grey iron	20,60
	E6372160600YY	X - blank flange with female thread	60/65	2,5"- 3"	PN16	grey iron	21,20
	E6372160800YY	X - blank flange with female thread	80	1/2"- 2"	PN16	grey iron	20,60
	E6372160800YY	X - blank flange with female thread	80	2,5"- 3"	PN16	grey iron	21,20
	E6372161000YY	X - blank flange with female thread	100	1/2"- 2"	PN16	grey iron	22,80
	E6372161000YY	X - blank flange with female thread	100	2,5"- 4"	PN16	grey iron	24,20
	E6372161250YY	X - blank flange with female thread	125	1/2"- 2"	PN16	grey iron	39,00
	E6372161250YY	X - blank flange with female thread	125	2,5"- 4"	PN16	grey iron	40,20
	E6372161500YY	X - blank flange with female thread	150	1/2"- 2"	PN16	grey iron	39,00
	E6372161500YY	X - blank flange with female thread	150	2,5"-4"	PN16	grey iron	40,20
	E6372102000YY	X - blank flange with female thread	200	1/2"- 2"	PN10	grey iron	60,60
	E6372102000YY	X - blank flange with female thread	200	2,5"- 4"	PN10	grey iron	61,80

YY marking size thread according to DN - 1/2" = 15, 3/4" = 20, 1" = 25, 5/4" = 32, 6/4" = 40, 2" = 50, 2,5" = 65, 3" = 80", 4" = 100.

Loose flanges


	Catalogue No.	Description	DN	d	Pressure	Material	Price €
	D507016000080	loose flange	80	90	PN16	ductile iron	12,60
	D507016000100	loose flange	100	110	PN16	ductile iron	15,40
	D507016000150	loose flange	150	160	PN16	ductile iron	24,80

Reduction flanges




Catalogue No.	Description	DN	Pressure	Material	Price €
E637516080058	XR – reduction flange	80/50 - 80 h.	PN16	ductile iron	100,00
E637516080050	XR – reduction flange	80/50 - 4 h.	PN16	ductile iron	100,00
E637516100050	XR – reduction flange	100/50	PN16	ductile iron	105,60
E637516100065	XR – reduction flange	100/65	PN16	ductile iron	106,60
E637516100080	XR – reduction flange	100/80 - 8 h.	PN16	ductile iron	104,20
E637516100084	XR – reduction flange	100/80 - 4 h.	PN16	ductile iron	104,20
E637516125080	XR – reduction flange	125/80 - 8 h.	PN16	ductile iron	126,20
E637516125084	XR – reduction flange	125/80 - 4 h.	PN16	ductile iron	126,20
E637516125100	XR – reduction flange	125/100	PN16	ductile iron	127,60
E637516150080	XR – reduction flange	150/80 - 8 h.	PN16	ductile iron	128,40
E637516150084	XR – reduction flange	150/80 - 4 h.	PN16	ductile iron	128,40
E637516150100	XR – reduction flange	150/100	PN16	ductile iron	132,40
E637316150125	XR – reduction flange	150/125	PN16	ductile iron	136,00
E637510200080	XR – reduction flange	200/80 - 8 h.	PN10/16	ductile iron	148,80
E637510200084	XR – reduction flange	200/80 - 4 h.	PN10/16	ductile iron	148,80
E637110200100	XR – reduction flange	200/100	PN10/16	ductile iron	141,20
E637510200125	XR – reduction flange	200/125	PN10/16	ductile iron	143,00
E637110200150	XR – reduction flange	200/150	PN10/16	ductile iron	149,40

Extending inserts NV



Catalogue No.	Description	DN	Pressure	Material	Price €
E638016000080	extending insert NV	80	PN16	grey iron	19,40
E638016000100	extending insert NV	100	PN16	grey iron	24,40
E638016000150	extending insert NV	150	PN16	grey iron	37,00

Extending inserts NV with female thread








Catalogue No.	Description	DN	Thread	Pressure	Material	Price €
E638216080020	extending insert NV with thread	80	3/4"	PN16	grey iron	33,80
E638216080025	extending insert NV with thread	80	1"	PN16	grey iron	33,80
E638216080032	extending insert NV with thread	80	5/4"	PN16	grey iron	41,60
E638216100020	extending insert NV with thread	100	3/4"	PN16	grey iron	39,60
E638216100025	extending insert NV with thread	100	1"	PN16	grey iron	39,60
E638216100032	extending insert NV with thread	100	5/4"	PN16	grey iron	47,40
E638216150020	extending insert NV with thread	150	3/4"	PN16	grey iron	52,20
E638216150025	extending insert NV with thread	150	1"	PN16	grey iron	52,20
E638216150032	extending insert NV with thread	150	5/4"	PN16	grey iron	60,00




Water meter brackets, manholes steps, plastic indicator platex and signs


Water meter brackets

	Catalogue No.	Description	Price (€)
	C614500025025	water meter bracket, fittings 1" x 1"	46,20
	C615000032025	water meter bracket, fittings, straight ball valve with coupling for PE connection, straight ball valve with female threads, drain cocks and non-return valve DN 32 x 1"	81,20
	C615100032025	water meter bracket, brass fittings, angle ball valve with coupling for PE connection, straight ball valve with female threads, drain cocks and non-return valve, DN 32 x 1"	82,00
	C615200025025	water meter bracket, fittings, straight ball valve with female threads, non-return valve, straight ball valve with female threads and drain cocks DN 1" x 1"	74,00
	C615300025025	water meter bracket, fittings, straight valve with female threads, non-return valve, straight valve with female threads and drain cocks, DN 1" x 1"	90,80

Water meter socket

	Catalogue No.	Description	Packing	Price (€)
	ZC41500000015	water meter socket 1/2"	100	0,20
	ZC41500000020	water meter socket 3/4"	100	0,30
	ZC41500000025	water meter socket 1"	100	0,40
	ZC41600000000	seal	100	0,05

Manholes steps

	Catalogue No.	Description	Price (€)
	TJ02032000000	manhole step PE	3,80
	TJ02034000000	manhole step PP	3,80

Plastic indicator plates and signs

	Catalogue No.				Description	Price (€)
	blue	red	yellow	black		
	ZZ12001105100	ZZ12002105100	ZZ12003105100		plate small 105x100 mm	3,00
	ZZ12001105150	ZZ12002105150	ZZ12003105150		plate big 105x150 mm	3,30
	--	--	--	ZZ12100105100	back wall of plate 105x100 mm	1,70
	--	--	--	ZZ12100105150	back wall of plate 105x150 mm	2,10
	ZZ16001000000	ZZ16002000000	ZZ16003000000		sign 0	0,30
	ZZ16001000001	ZZ16002000001	ZZ16003000001		sign 1	0,30
	ZZ16001000002	ZZ16002000002	ZZ16003000002		sign 2	0,31
	ZZ16001000003	ZZ16002000003	ZZ16003000003		sign 3	0,31
	ZZ16001000004	ZZ16002000004	ZZ16003000004		sign 4	0,31
	ZZ16001000005	ZZ16002000005	ZZ16003000005		sign 5	0,31
ZZ16001000006	ZZ16002000006	ZZ16003000006		sign 6	0,31	
ZZ16001000007	ZZ16002000007	ZZ16003000007		sign 7	0,31	
ZZ16001000008	ZZ16002000008	ZZ16003000008		sign 8	0,31	
ZZ16001000009	ZZ16002000009	ZZ16003000009		sign 9	0,31	
ZZ1600100000A	ZZ1600200000A	ZZ1600300000A		sign A	0,31	
ZZ1600100000H	ZZ1600200000H	ZZ1600300000H		sign H	0,31	
ZZ1600100000K	ZZ1600200000K	ZZ1600300000K		sign K	0,31	
ZZ1600100000N	--	ZZ1600300000N		sign N	0,31	
--	--	ZZ1600300000P		sign P	0,31	
ZZ1600100000R	--	ZZ1600300000R		sign R	0,31	
ZZ1600100000S	ZZ1600200000S	ZZ1600300000S		sign S	0,31	
ZZ1600100000V	ZZ1600200000V	ZZ1600300000V		sign V	0,31	
ZZ1600100000X	--	--		sign X	0,31	
ZZ16301000000	ZZ16302000000	ZZ16303000000		sign „kalník“	0,31	
ZZ16501000000	--	ZZ16503000000		sign „odvodnovac“	0,31	
ZZ16401000000	ZZ16402000000	ZZ16403000000		sign „vzdusník“	0,31	
ZZ16101000000	ZZ16102000000	ZZ16103000000		sign	0,31	

Accessories for plastic indicator plates

	Catalogue No.	Description	Price (€)
	ZZ170MB000002	steel post blue-white 2m	22,80
	ZZ170CB000002	steel post red-white 2m	22,80
	ZZ170HB000002	steel post brown-white 2m	22,80
	ZZ170MB000003	steel post blue-white 3m	31,40
	ZZ170CB000003	steel post red-white 3m	31,40
	ZZ170HB000003	steel post brown-white 3m	31,40
	ZZ17100000000	concrete stand	11,30
	ZZ17200000000	Assembling set	1,20

OUR
PRODUCTS
ARE OF
THE HIGHEST
QUALITY

PLASTUS - plastic surface box
with iron lid

HECKL

Catalogue sheets





Plastic surface box LENTUS

FOR CATALOGUE NUMBER SEE TABLE

LOW COST

LOW WEIGHT- EASY
HANDLING AND

LID INCLUDED MAGNET

Application

- For the protection of valve parts and their controls from mechanical damage or soiling or soil coverage
- The hydrant surface box is used to protect the outlet orifice and control part of an underground or shaft hydrant; it provides convenient access to the hydrant spindle

Characteristics

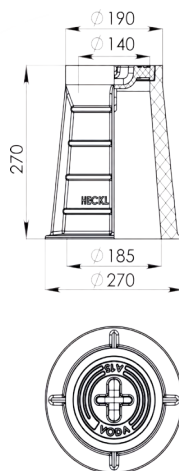
- Strong and resistant to mechanical damage
- The lid and surface box body are connected with a rivet
- Load class A15

Technical description / design

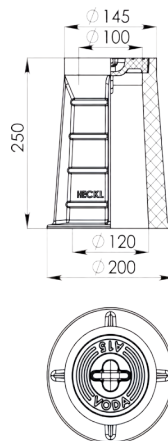
- Body with a circular (service connection valve, gate valve) and oval (hydrant) shape
- Material of surface box – PA6 30 GF, lid – PP (polypropylén) + 30 GF
- Lid of the service connection valve and gate valve surface box has a marking W/G
- Lid of the hydrant cover has a marking inscription G / HYDRANT
- Lid included magnet
- Material of the connecting rivet and hook - stainless steel
- These surface boxes are designed for green areas

	packing/ pallet	Catalogue No.		
		W	HYDRANT	G
Gate valve surface box	72	ZA36600000000		ZL33700000000
Service connection valve surface box	160	ZC35400000000		ZL35400000000
Hydrant surface box	24		ZB33700000000	ZL36600000000

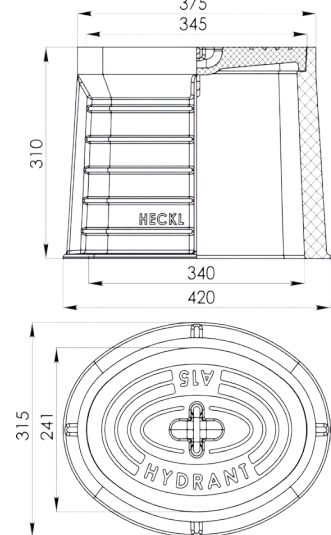
Gate valve surface box



Service connection valve surface box



Hydrant surface box





Plastic surface boxes PLASTUS

FOR CATALOGUE NUMBER SEE TABLE

LOAD CLASS D400

LIGHT – EASY HANDLING
AND MOUNTING

Application

- For the protection of valve parts and their controls from mechanical damage or soiling or soil coverage
- The hydrant surface box is used to protect the outlet orifice and control part of an underground or shaft hydrant; it provides convenient access to the hydrant spindle

Characteristics

- Strong and resistant to mechanical damage
- The lid and surface box body are connected with a rivet
- Tested, certified D400

Technical description / provedení

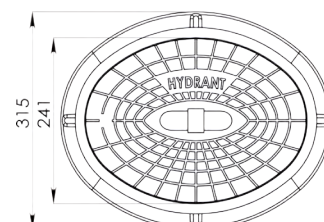
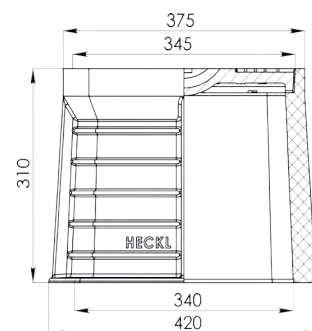
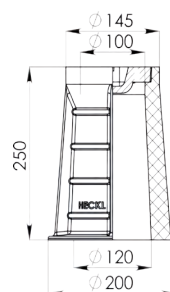
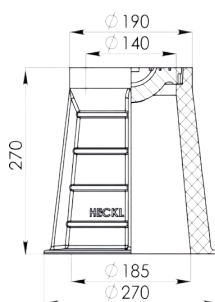
- Surface box is resistant to temperatures up to 240°C – suitable for installation in hot asphalt
- Body with a circular (service connection valve, gate valve) and oval (hydrant) shape
- Lid of the service connection valve and gate valve surface box have a precast inscription W, GAS or can be done based on market requirements
- Lid of the hydrant cover has a precast inscription GAS / HYDRANT
- Material of body – PA6 30GF, lid – grey cast-iron
- Material of the connecting rivet and yoke - stainless steel

	pcs / pallet	Catalogue No.		
		W	HYDRANT	GAS
Gate valve surface box	72	ZA3480000000		ZL3290000000
Valve surface box	160	ZC3480000000		ZL3300000000
Hydrant surface box	24		ZB3320000001	ZL3310000000
Hydrant surface box, red lid	24		ZB3320000005	

Gate valve surface box

Valve surface box

Hydrant surface box





Z L321



Z B316



Z C338

Ductile-iron surface boxes TOP

FOR CATALOGUE NUMBERS SEE TABLE

REPLACEABLE
SEALING AT LID

COLORED LIDS

Application

- For the protection of valve parts and their controls from mechanical damage or soiling or soil coverage
- The hydrant surface box is used to protect the outlet orifice and control part of an underground or shaft hydrant; it provides convenient access to the hydrant spindle

Characteristics

- Strong and resistant to mechanical damage
- The lid and surface box body are connected with stainless steel a rivet
- High-quality surface box castings
- Tested, certified D400

Technical description / design

- Body with a circular (service connection valve, gate valve) and oval (hydrant) form
- Body of surface box material is made of ductile iron (GGG - EN GJS)
- Surface finish of body is epoxy powder colour 100 µm
- Lid of the service connection valve and gate valve surface box have a precast inscription VODA / PLYN
- Lid of the hydrant cover has a precast inscription PLYN / HYDRANT
- Lids are treated with a coloured epoxy coating (water - blue, gas - yellow)
- Replaceable sealing at lid EPDM
- Connecting rivet and hook made of stainless steel A2

type	pcs / pallet
gate valve	196
service connection valve	100
hydrant	33

Overview of type TOP

type	inscription	color of the lid	catalogue No.
gate valve surface box	VODA	blue	ZC3380000000
service connection valve surface box	VODA	blue	ZA3570000000
hydrant surface box	HYDRANT	blue	ZB3160000000
gate valve surface box	PLYN	yellow	ZL3230000000
service connection valve	PLYN	yellow	ZL3210000000
hydrant surface box	PLYN	yellow	ZL3220000000

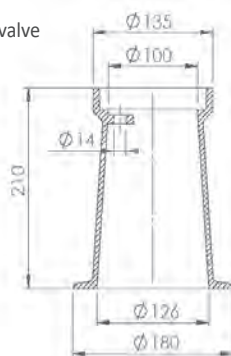


Lid designs

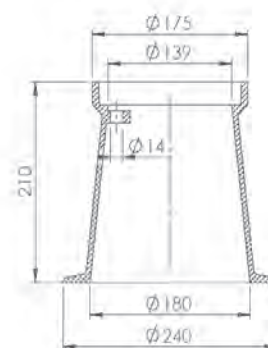


Technical drawings

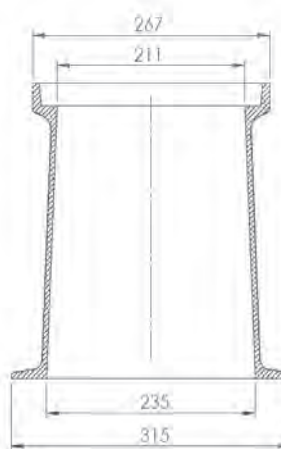
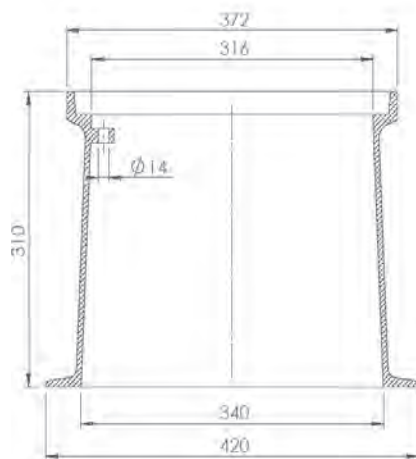
Service connection valve
surface box



Gate valve surface box



Hydrant surface box





Z C313



Z L311



Z A310

Ductile-iron surface boxes RENKO

FOR CATALOGUE NUMBER SEE TABLE

LOW PRICE

Application

- For the protection of valve parts and their controls from mechanical damage or soiling or soil coverage
- The hydrant surface box is used to protect the outlet orifice and control part of an underground or shaft hydrant; it provides convenient access to the hydrant spindle

Characteristics

- Strong and resistant to mechanical damage
- The lid and surface box body are connected with a rivet
- High-quality surface box castings
- Tested, certified D400

Technical description / design

- Body with a circular (service connection valve, gate valve) and oval (hydrant) shape
- Body of surface box material is made of ductile iron (GGG - EN GJS)
- Surface finish of body is bitumen
- Lid of the service connection valve and gate valve surface box have a precast inscription VODA / PLYN
- Lid of the hydrant cover has a precast inscription PLYN / HYDRANT
- Lids are finished with bitumen
- Connecting rivet and hook made of structural steel

type	packing/pallet
service connection valve	196
gate valve	100
hydrant	33

Overview of available versions - RENKO type

type	inscription	color lid	catalogue No.
service connection valve	VODA	black	ZC3120000000
gate valve	VODA	black	ZA3100000000
hydrant	HYDRANT	black	ZB3110000000
service connection valve	PLYN	black	ZL3120000000
gate valve	PLYN	black	ZL3100000000
hydrant	PLYN	black	ZL3110000000
service connection valve	KANAL	black	ZC3130000000
gate valve	KANAL	black	ZA3110000000

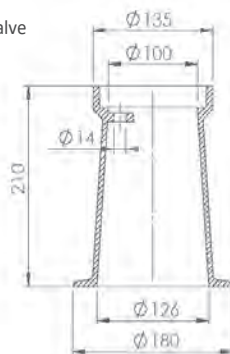


Lid designs

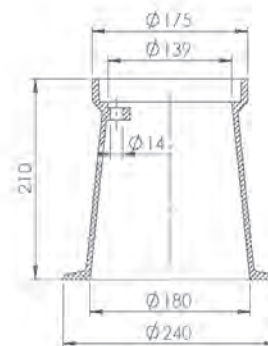


Technical drawings

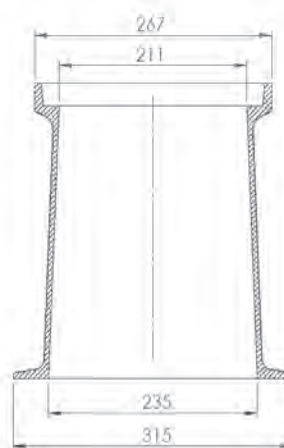
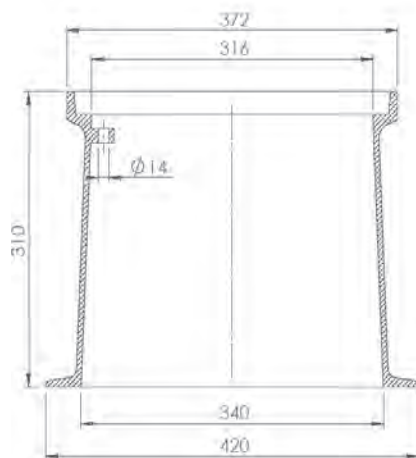
Service connection valve
surface box



Gate valve surface box



Hydrant surface box





Self-levelling surface boxes KOMPAKTUS

FOR CATALOGUE NUMBER SEE TABLE

Types

- Gate valve surface box, service connection valve surface box, hydrant surface box

SELF-LEVELLING

EXCHANGEABLE
SEALING

EPOXY COATING

Use

- Gate valve and service connection valve surface boxes serve to protect parts of the valves and their operating parts against mechanical damage or pollution, particularly soil
- Hydrant surface boxes serve to protect the outflow orifice and operating parts of an underground hydrant, enabling convenient access to the hydrant spindle

Vlastnosti

- Strength and resistance to mechanical damage
- Lid and box are connected by stainless steel bolt
- Lid is supplied with a replaceable rubber gasket
- Construction allows tilting of the top of the box
- Tested and certified in accordance with EN 124, class D400

Technical description / design

- Surface boxes are available in round design (gate valve, service connection valve) and oval design (hydrant)
- Gate valve and service connection valve surface box lid are marked with W or GAS
- Hydrant surface box lid is marked with HYDRANT or GAS
- Lid and top part of the box - ductile iron (GGG 40 - EN GJS)
- Bottom part of the box - plastic PA6 GF30
- Bolt and band – stainless steel A2
- Lid and box surface finish – epoxy coating, standard blue color (other options on request)
- Possibility to fix the plastic bottom part to VARIO15 support plate
- Variable height of installation

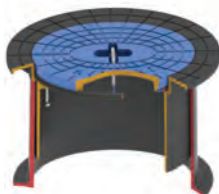
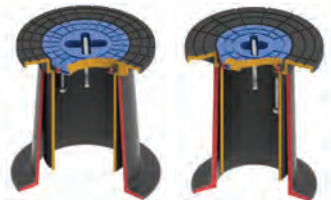


Z A349

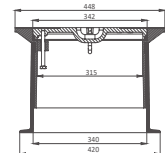
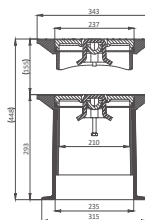
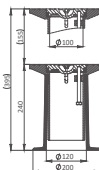
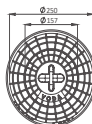
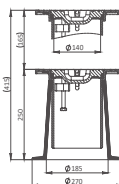
Z C349



Z B334



type	inscription	color lid	catalogue No.	weight (kg)
gate valve	W, VODA	blue, black	Z A349	10,1
service connection valve	W, VODA	blue, black	Z C349	6,3
hydrant	HYDRANT	blue, black	Z B334	23,0





Floating surface boxes REN, REN PLUS

FOR CATALOGUE NUMBER SEE TABLE

BAYONET LOCK WITH

WATERPROOF

SUITABLE FOR PAVEMENTS

Application

- For the protection of valve parts and their controls from mechanical damage or soiling or soil coverage
- To ensure access to controls of valves
- For use in new building and reconstructions – comfortable solution for paving slabs (square version) or in free space (round version)

Characteristics

- Compact connection with spindle by bayonet lock
- Easy access to spindle in winter months
- Without supporting plate
- Waterproof and resistant to penetration of dirt into spindle
- Lightweight
- Perfect mechanical properties
- In connection with telescopic spindle there is smooth adaptation to level of ground
- Aesthetic solution of anti-skid surface
- REN PLUS has metal chain connecting body of box with lid – reduction of risk of theft of the lid
- Coloured lids – black, blue (water) or yellow (GAS)

Technical description / design

- Body with bayonet lock
- Surface box body has a precast inscription WATER / GAS
- Rubber sealing with triple wristband (EPDM)
- Silicone bushing in body of surface box for installation of search tape
- Material – ductile iron (GGG, EN - GJS)
- Surface finish of body is bitumen, lids are synthetic material

Weight

- Square surface box (including lid): 4,9 kg
- Round surface box (including lid): 4,8 kg

Possibility to customize the logo on the lid

Floating surface boxes REN

	inscription and color of lid		Catalogue No.
square	W	black	Z A329
	W	blue	Z A321
	G	black	Z L313
	G	yellow	Z L314
round	W	black	Z A330
	W	blue	Z A320
	G	black	Z L315
	G	yellow	Z L316

Floating surface boxes REN PLUS

	inscription and color of lid		Catalogue No.
square	W	black	Z A331
	W	blue	Z A323
	G	black	Z L317
	G	yellow	Z L318
round	W	black	Z A332
	W	blue	Z A322
	G	black	Z L319
	G	yellow	Z L320



Fixed extension spindle for gate valves

FOR CATALOGUE NUMBER SEE TABLE

Function

- For manual control of valves installed on water or gas pipelines

Application

- For valves
 - VAG gate valves EKO-Plus, BETA 200
 - HAWLE gate valves No. 4000A, 4700A, 4000, 4700, 4000E2, 4700E2, 4010E2, 4100E2, 4050E2
 - AVK gate valves No. 3.1, 3.2, 3.3, 3.7, 3.10, 3.11, 3.13, 3.14, 4.3, 4.4
 - SAINT-GOBAIN gate valves No. EURO 3, 4, 21, 23, 24, 25, 26, 27
 - BELGICAST gate valves BV 05-47other application on request!

Technical description

- Connection
 - with a bottom adapter via a pin to the valve spindle
- Control
 - via a standard square valve T-key or via a UNI key set
- Characteristics
 - safe and prompt control of various types of valves
 - easy installation without tools
 - favourable utility value for money

Materials

- steel square bar 11.375, dimension 18*18 mm (DN 40-150)
- steel square bar 11.375, dimension 20*20 mm (DN 200-300)
- protection tube HDPE \varnothing 63 mm
- top and bottom adapter, ductile iron GGG40/EN JS 1030, galvanised
- surface treated with heavy duty corrosion protection, hot galvanised protection layer of 80-120 μ m complying with CSN EN ISO 1461

Manufacture of extension spindles of a non-standard length, design and material (stainless steel) according to customers' needs.

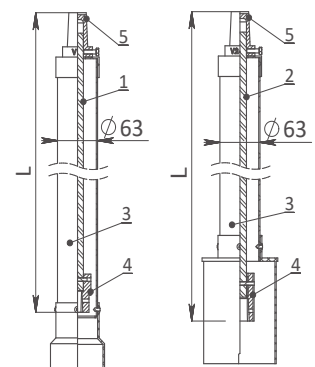


Extension spindle
pro DN 40-150

Extension spindle
pro DN 200-300



VAG	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	40-50	1,5	4,1	1200	ZA11205000001
	40-50	2,0	5,5	1700	ZA11305000001
	65-80	1,5	4,1	1100	ZA11208000001
	65-80	2,0	5,5	1600	ZA11308000001
	100-150	1,5	4,1	1100	ZA11215000001
	100-150	2,0	5,5	1600	ZA11315000001
	200	1,5	5,0	1000	ZA11220000001
	200	2,0	6,7	1500	ZA11320000001
	250-300	1,5	4,9	900	ZA11230000001
	250-300	2,0	6,6	1200	ZA11330000001
HAWLE	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	50	1,5	4,1	1200	ZA11205000004
	50	2,0	5,5	1700	ZA11305000004
	65	1,5	4,1	1100	ZA11206500004
	65	2,0	5,5	1600	ZA11306500004
	80	1,5	4,1	1100	ZA11208000004
	80	2,0	5,5	1600	ZA11308000004
	100-150	1,5	4,1	1100	ZA11215000004
	100-150	2,0	5,5	1600	ZA11315000004
	200	1,5	5,0	1000	ZA11220000004
	200	2,0	6,7	1500	ZA11320000004
AVK	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	40-50	1,5	4,1	1200	ZA11205000002
	40-50	2,0	5,5	1700	ZA11305000002
	65-80	1,5	4,1	1100	ZA11208000002
	65-80	2,0	5,5	1600	ZA11308000002
	100-150	1,5	4,1	1100	ZA11215000002
	100-150	2,0	5,5	1600	ZA11315000002
	200	1,5	5,0	1000	ZA11220000002
	200	2,0	6,7	1500	ZA11320000002
	250-300	1,5	4,9	900	ZA11230000002
	250-300	2,0	6,6	1200	ZA11330000002
SAINT-GOBAIN	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	40-50	1,5	4,1	1200	ZA11205000007
	40-50	2,0	5,5	1700	ZA11305000007
	65-80	1,5	4,1	1100	ZA11208000007
	65-80	2,0	5,5	1600	ZA11308000007
	100-150	1,5	4,1	1100	ZA11215000007
	100-150	2,0	5,5	1600	ZA11315000007
	200	1,5	5,0	1000	ZA11220000007
	200	2,0	6,7	1500	ZA11320000007
	250-300	1,5	4,9	900	ZA11230000007
	250-300	2,0	6,6	1200	ZA11330000007
BELGICAST	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	40-50	1,5	4,1	1200	ZA11205000003
	40-50	2,0	5,5	1700	ZA11305000003
	65-80	1,5	4,1	1100	ZA11208000003
	65-80	2,0	5,5	1600	ZA11308000003
	100-150	1,5	4,1	1100	ZA11215000003
	100-150	2,0	5,5	1600	ZA11315000003
	200	1,5	5,0	1000	ZA11220000003
	200	2,0	6,7	1500	ZA11320000003
	250-300	1,5	4,9	900	ZA11230000003
	250-300	2,0	6,6	1200	ZA11330000003



- 1 – square bar 18x18 mm
- 2 – square bar 20x20 mm
- 3 – protection pipe
- 4 – ductile coupling
- 5 – pyramidal fittings
- L – real length



Telescopic extension spindle for gate valves two-piece

FOR CATALOGUE NUMBER SEE TABLE

Function

- For manual control of valves installed on water or gas pipelines

Application

- For valves

VAG	gate valves EKO-Plus, BETA 200
HAWLE	gate valves No. 4000A, 4700A, 4000, 4700, 4000E2, 4700E2, 4010E2, 4100E2, 4050E2
AVK	gate valves No. 3.1, 3.2, 3.3, 3.7, 3.10, 3.11, 3.13, 3.14, 4.3, 4.4
SAINT-GOBAIN	gate valves No. EURO 3, 4, 21, 23, 24, 25, 26, 27
BELGICAST	gate valves BV 05-47

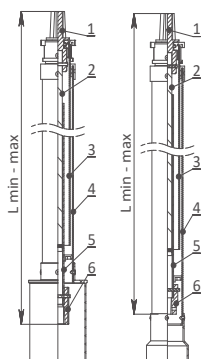
Technical description

- Connection
 - with a bottom adapter via a pin to the valve spindle
 - with a bayonet lock to the REN floating street cover, or with a standard iron street cover via a support plate (VARIO, P30)
- Control
 - via a standard square valve T-key or via a UNI key set
- Characteristics
 - safe and prompt control of various types of valves
 - easy installation without tools
 - simple adjustment of the ground set length in order to reach the required operating (installation) depth according to the level of the ground
 - expansion joint which absorbs impacts and vibrations in the valve or pipeline

Materials

- steel square bar 11.375, dimension 18x18 mm (DN 40-150), dimension 20x20 mm (DN 200-300)
- steel square profile 11.375, dimension 25x25 mm (DN40-150), dimension 30x30 mm (DN200-300)
- upper protection sleeve HDPE Ø 50 mm, bottom protection sleeve HDPE Ø 63 mm
- surface treated with heavy duty corrosion protection, hot galvanised protection layer of 80-120 µm complying with the standard CSN EN ISO 1461
- pyramidal fitting and coupling, ductile iron GGG40/EN JS 1030, galvanised

Manufacture of extension spindles of a non-standard length, design and material (stainless steel) according to customers' needs.



- 1 – pyramidal fittings, 2 – square bar 18x18 mm,
- 3 – square profile 25x25 mm, 4 – protection tube Ø 50 mm,
- 5 – protection tube Ø 63 mm, 6 – ductite coupling,
- L – real length



DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
VAG				
40-50	1,0-1,4	3,5	646-1065	ZA24005000001
40-50	1,2-1,8	4,3	846-1465	ZA24105000001
40-50	1,4-2,2	5,7	1146-2065	ZA24205000001
40-50	1,9-3,2	7,6	1547-2865	ZA24305000001
65-80	1,0-1,4	3,5	646-1065	ZA24008000001
65-80	1,2-1,8	4,3	846-1465	ZA24108000001
65-80	1,4-2,2	5,7	1146-2065	ZA24208000001
65-80	1,9-3,2	7,6	1547-2865	ZA24308000001
100-150	1,0-1,4	3,5	646-105	ZA24015000001
100-150	1,2-1,8	4,3	846-1465	ZA24115000001
100-150	1,4-2,2	5,7	1146-2065	ZA24215000001
100-150	1,9-3,2	7,6	1547-2865	ZA24315000001
200	1,2-1,6	4,5	653-1078	ZA24020000001
200	1,4-2,0	5,7	853-1478	ZA24120000001
200	1,6-2,5	7,6	1153-2078	ZA24220000001
200	2,0-3,3	10,1	1553-2878	ZA24320000001
250-300	1,4-1,8	4,5	653-1078	ZA24030000001
250-300	1,6-2,2	5,7	853-1478	ZA24130000001
250-300	1,8-2,7	7,6	1153-2078	ZA24235000001
250-300	2,2-3,4	10,1	1553-2878	ZA24330000001
AVK				
40-50	1,0-1,4	3,5	646-1065	ZA24005000002
40-50	1,2-1,8	4,3	846-1465	ZA24105000002
40-50	1,4-2,2	5,7	1146-2065	ZA24205000002
40-50	1,9-3,2	7,6	1547-2865	ZA24305000002
65-80	1,0-1,4	3,5	646-1065	ZA24008000002
65-80	1,2-1,8	4,3	846-1465	ZA24108000002
65-80	1,4-2,2	5,7	1146-2065	ZA24208000002
65-80	1,9-3,2	7,6	1547-2865	ZA24308000002
100-150	1,0-1,4	3,5	646-1065	ZA24015000002
100-150	1,2-1,8	4,3	846-1465	ZA24115000002
100-150	1,4-2,2	5,7	1146-2065	ZA24215000002
100-150	1,9-3,2	7,6	1547-2865	ZA24315000002
200	1,2-1,6	4,5	653-1078	ZA24020000002
200	1,4-2,0	5,7	853-1478	ZA24120000002
200	1,6-2,5	7,6	1153-2078	ZA24220000002
200	2,0-3,3	10,1	1553-2878	ZA24320000002
250-300	1,4-1,8	4,5	653-1078	ZA24030000002
250-300	1,6-2,2	5,7	853-1478	ZA24130000002
250-300	1,8-2,7	7,6	1153-2078	ZA24235000002
250-300	2,2-3,4	10,1	1553-2878	ZA24330000002
HAWLE-E-A				
50	1,0-1,4	3,5	646-1065	ZA24005000005
50	1,2-1,8	4,3	846-1465	ZA24105000005
50	1,4-2,2	5,7	1146-2065	ZA24205000005
50	1,9-3,2	7,6	1547-2865	ZA24305000005
65	1,0-1,4	3,5	646-1065	ZA24008000005
65	1,2-1,8	4,3	846-1465	ZA24108000005
65	1,4-2,2	5,7	1146-2065	ZA24208000005
65	1,9-3,2	7,6	1547-2865	ZA24308000005
80	1,0-1,4	3,5	646-1065	ZA24015000005
80	1,2-1,8	4,3	846-1465	ZA24115000005
80	1,4-2,2	5,7	1146-2065	ZA24215000005
80	1,9-3,2	7,6	1547-2865	ZA24315000005
100-150	1,0-1,4	3,5	646-1065	ZA24020000005
100-150	1,2-1,8	4,3	846-1465	ZA24120000005
100-150	1,4-2,2	5,7	1146-2065	ZA24220000005
100-150	1,9-3,2	7,6	1547-2865	ZA24320000005
200	1,2-1,6	4,5	653-1078	ZA24030000005
200	1,4-2,0	5,7	853-1478	ZA24130000005
200	1,6-2,5	7,6	1153-2078	ZA24235000005
200	2,0-3,3	10,1	1553-2878	ZA24330000005

DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
BELGICAST				
40-50	1,0-1,4	3,5	646-1065	ZA24005000003
40-50	1,2-1,8	4,3	846-1465	ZA24105000003
40-50	1,4-2,2	5,7	1146-2065	ZA24205000003
40-50	1,9-3,2	7,6	1547-2865	ZA24305000003
65-80	1,0-1,4	3,5	646-1065	ZA24008000003
65-80	1,2-1,8	4,3	846-1465	ZA24108000003
65-80	1,4-2,2	5,7	1146-2065	ZA24208000003
65-80	1,9-3,2	7,6	1547-2865	ZA24308000003
100-150	1,0-1,4	3,5	646-1065	ZA24015000003
100-150	1,2-1,8	4,3	846-1465	ZA24115000003
100-150	1,4-2,2	5,7	1146-2065	ZA24215000003
100-150	1,9-3,2	7,6	1547-2865	ZA24315000003
200	1,2-1,6	4,5	653-1078	ZA24020000003
200	1,4-2,0	5,7	853-1478	ZA24120000003
200	1,6-2,5	7,6	1153-2078	ZA24220000003
200	2,0-3,3	10,1	1553-2878	ZA24320000003
250-300	1,4-1,8	4,5	653-1078	ZA24030000003
250-300	1,6-2,2	5,7	853-1478	ZA24130000003
250-300	1,8-2,7	7,6	1153-2078	ZA24235000003
250-300	2,2-3,4	10,1	1553-2878	ZA24330000003
SAINT - GOBAIN				
40-50	1,0-1,4	3,5	646-1065	ZA24005000007
40-50	1,2-1,8	4,3	846-1465	ZA24105000007
40-50	1,4-2,2	5,7	1146-2065	ZA24205000007
40-50	1,9-3,2	7,6	1547-2865	ZA24305000007
65-80	1,0-1,4	3,5	646-1065	ZA24008000007
65-80	1,2-1,8	4,3	846-1465	ZA24108000007
65-80	1,4-2,2	5,7	1146-2065	ZA24208000007
65-80	1,9-3,2	7,6	1547-2865	ZA24308000007
100-150	1,0-1,4	3,5	646-1065	ZA24015000007
100-150	1,2-1,8	4,3	846-1465	ZA24115000007
100-150	1,4-2,2	5,7	1146-2065	ZA24215000007
100-150	1,9-3,2	7,6	1547-2865	ZA24315000007
200	1,2-1,6	4,5	653-1078	ZA24020000007
200	1,4-2,0	5,7	853-1478	ZA24120000007
200	1,6-2,5	7,6	1153-2078	ZA24220000007
200	2,0-3,3	10,1	1553-2878	ZA24320000007
250-300	1,4-1,8	4,5	653-1078	ZA24030000007
250-300	1,6-2,2	5,7	853-1478	ZA24130000007
250-300	1,8-2,7	7,6	1153-2078	ZA24235000007
250-300	2,2-3,4	10,1	1553-2878	ZA24330000007
HAWLE-E2				
50	1,0-1,4	3,5	646-1065	ZA24005000006
50	1,2-1,8	4,3	846-1465	ZA24105000006
50	1,4-2,2	5,7	1146-2065	ZA24205000006
50	1,9-3,2	7,6	1547-2865	ZA24305000006
65-80	1,0-1,4	3,5	646-1065	ZA24008000006
65-80	1,2-1,8	4,3	846-1465	ZA24108000006
65-80	1,4-2,2	5,7	1146-2065	ZA24208000006
65-80	1,9-3,2	7,6	1547-2865	ZA24308000006
100-150	1,0-1,4	3,5	646-1065	ZA24015000006
100-150	1,2-1,8	4,3	846-1465	ZA24115000006
100-150	1,4-2,2	5,7	1146-2065	ZA24215000006
100-150	1,9-3,2	7,6	1547-2865	ZA24315000006
200	1,2-1,6	4,5	653-1078	ZA24020000006
200	1,4-2,0	5,7	853-1478	ZA24120000006
200	1,6-2,5	7,6	1153-2078	ZA24220000006
200	2,0-3,3	10,1	1553-2878	ZA24320000006
250-300	1,4-1,8	4,5	653-1078	ZA24030000006
250-300	1,6-2,2	5,7	853-1478	ZA24130000006
250-300	1,8-2,7	7,6	1153-2078	ZA24235000006
250-300	2,2-3,4	10,1	1553-2878	ZA24330000006



Fixed extension spindle for service connection valves

FOR CATALOGUE NUMBER SEE TABLE

Function

- For manual control of valves installed on water or gas pipelines

Application

- For valves

VAG	tapping saddles with valve, ball valves K248-Z, 246-K, service connection valves BETA-Zz, BETA-K, BETA-Z, BETA-P
HAWLE	service connection valves No. 2500, 2510, 2520, 2800, 2600, 2630, 2670, 2671, 2681, 3120, 3128, 3130, 3151, 2491
AVK	service connection valves 5.1, 5.8, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16
GF	T-tapping saddles with valve No. 193-155, 193-280, 193-281
BELGICAST	service connection valve No. BV 05-47
	other application on request!

Technical description

- Connection
 - with a bottom adapter via a pin to the valve spindle (VAG, AVK, GF+, BELGICAST)
 - with a screwed joint between the valve body and the protection tube of the ground control set (HAWLE)
- Control
 - via a standard square service connection valve T- key or via a UNI key set
- Characteristics
 - safe and prompt control of various types of service connection valves
 - easy installation without tools
 - favourable utility value for money

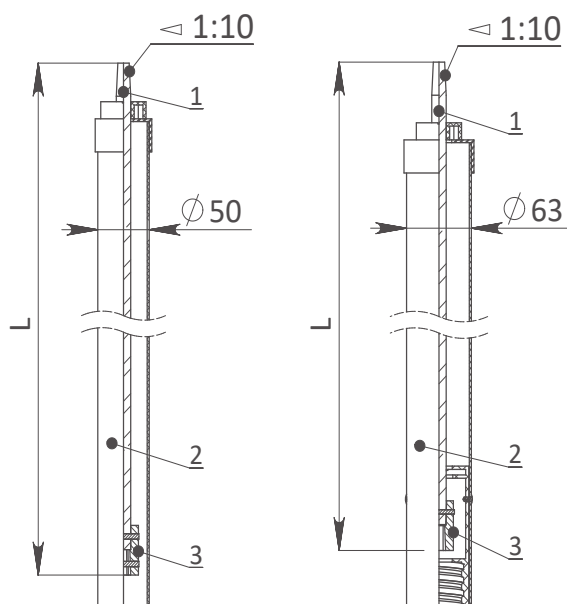
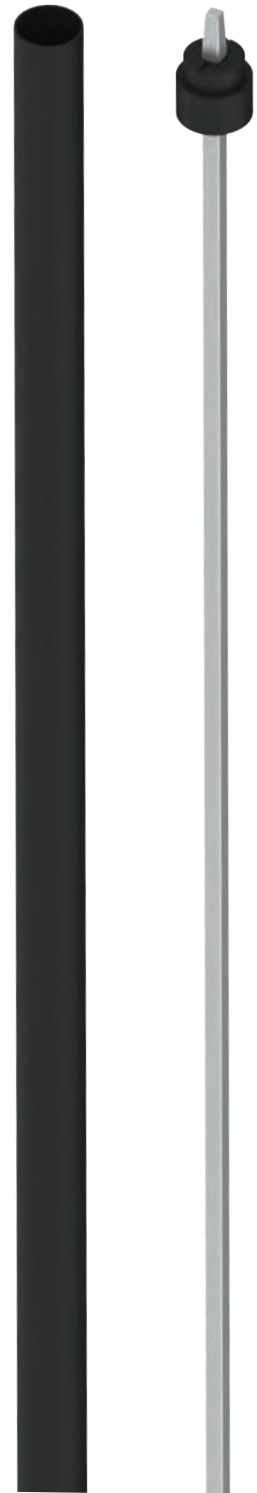
Materials

- Steel square bar 11.375, dimension 14*14 mm
- Protection tube HDPE Ø 50 mm (VAG, AVK, GF+, BELGICAST), HDPE Ø 63 mm (HAWLE)
- Surface treated with heavy duty corrosion protection, hot galvanised protection layer of 80-120 µm complying with the standard CSN EN ISO 1461
- Upper part ended with 1:10 bevel and bottom adapter made of ductile iron GGG (EN – GJS), galvanised

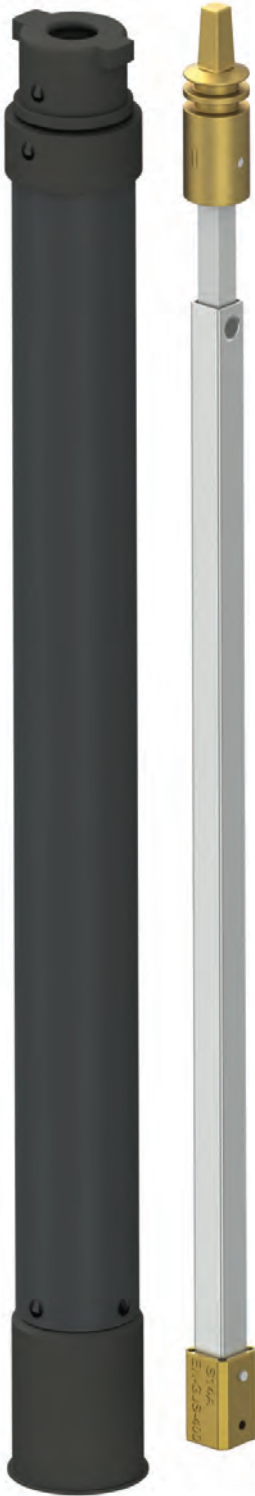
Manufacture of extension spindles of a non-standard length, design and material (stainless steel) according to customers' needs.



VAG	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	1-2"	1,5	2,8	1350	ZC13205000001
	1-2"	2,0	3,8	1820	ZC13305000001
HAWLE	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-2"	1,5	2,8	1350	ZC13205000004
	3/4-2"	2,0	3,8	1820	ZC13305000004
AVK	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-2"	1,5	2,8	1350	ZC13205000002
	3/4-2"	2,0	3,8	1820	ZC13305000002
GF	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	1-2"	1,5	2,8	1350	ZC13205000009
	1-2"	2,0	3,8	1820	ZC13305000009
ZOIGO	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	1-2"	1,5	2,8	1350	ZC13205000008
	1-2"	2,0	3,8	1820	ZC13305000008
BELGICAST	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-5/4"	1,5	2,8	1350	ZC13203200003
	3/4-5/4"	2,0	3,8	1820	ZC13303200003
	6/4-2"	1,5	2,8	1350	ZC13205000003
	6/4-2"	2,0	3,8	1820	ZC13305000003



1 – square bar 14x14 mm, 2 – protection pipe,
3 – ductite coupling, L – real length



Telescopic extension spindle for service connection valves two-piece

FOR CATALOGUE NUMBER SEE TABLE

Function

- For manual control of connecting valves installed on water or gas pipelines

Application

- For valves

VAG	tapping saddles with valve, ball valves K248-Z, 246-K, service connection valves BETA-Zz, BETA-K, BETA-Z, BETA-P
HAWLE	service connection valve No. 2500, 2510, 2520, 2800, 2600, 2630, 2670, 2671, 2681, 3120, 3128, 3130, 3151, 2491
AVK	service connection valve No. 5.1, 5.8, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16
GF	T-tapping saddles with valve No. 193-155, 193-280, 193-281
ZOIGO	ball valves No. P 25, P 40, P 400
BELGICAST	service connection valve No. BV 05-47

Technical description

- Connection
 - with a coupling via a cotter to the valve spindle (VAG, GF, ZOIGO, BELGICAST)
 - with a screwed joint between the valve body and the protection tube of the extension spindle (HAWLE)
 - with a bayonet joint between the valve body and the protection tube of the extension spindle (AVK)
 - with a bayonet lock to the REN floating street cover, or with a standard iron street cover via a support plate (VARIO, P30)
- Control
 - via a standard square service connection valve T- key or via a UNI key set
- Characteristics
 - safe and prompt control of various types of valves
 - easy installation without tools
 - simple adjustment of the extension spindle length in order to reach the required operating (installation) depth according to the level of the ground
 - expansion joint which absorbs impacts and vibrations in the valve or pipeline
 - favourable utility value for money

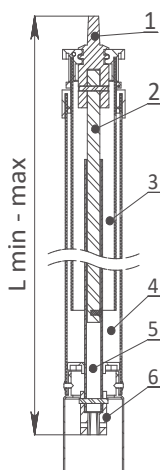
Materials

- Steel square bar 11.375, dimension 14x14 mm
- Steel square profile 11.375, dimension 20x20 mm
- Upper protection tube HDPE Ø 50 mm, bottom protection tube HDPE Ø 63 mm
- Surface treated with heavy duty corrosion protection, hot galvanised protection layer of 80-120 µm complying with the standard CSN EN ISO 1461
- Top and bottom adapter, ductile iron GGG40/EN JS 1030, galvanised

Manufacture of extension spindles of a non-standard length, design and material (stainless steel) according to customers' needs.



VAG	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	1-2"	1,0-1,4	2,8	762-1189	ZC23905000001
	1-2"	1,1-1,7	3,3	881-1489	ZC24005000001
	1-2"	1,3-2,1	4,1	1109-1889	ZC24105000001
	1-2"	1,6-2,7	4,8	1321-2389	ZC24205000001
HAWLE	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-2"	1,0-1,4	2,8	762-1189	ZC23905000004
	3/4-2"	1,1-1,7	3,3	881-1489	ZC24005000004
	3/4-2"	1,3-2,1	4,1	1109-1889	ZC24105000004
	3/4-2"	1,6-2,7	4,8	1321-2389	ZC24205000004
AVK	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-2"	1,0-1,4	2,8	762-1189	ZC23905000002
	3/4-2"	1,1-1,7	3,3	881-1489	ZC24005000002
	3/4-2"	1,3-2,1	4,1	1109-1889	ZC24105000002
	3/4-2"	1,6-2,7	4,8	1321-2389	ZC24205000002
GF	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	1-2"	1,0-1,4	2,8	762-1189	ZC23905000009
	1-2"	1,1-1,7	3,3	881-1489	ZC24005000009
	1-2"	1,3-2,1	4,1	1109-1889	ZC24105000009
	1-2"	1,6-2,7	4,8	1321-2389	ZC24205000009
BELGICAST	DN	Rd (m)	Weight (kg)	L (mm)	Catalogue No.
	3/4-5/4"	1,0-1,4	2,8	762-1189	ZC23903200003
	3/4-5/4"	1,1-1,7	3,3	881-1489	ZC24003200003
	3/4-5/4"	1,3-2,1	4,1	1109-1889	ZC24103200003
	3/4-5/4"	1,6-2,7	4,8	1321-2389	ZC24203200003
	6/4-2"	1,0-1,4	2,8	762-1189	ZC23905000003
	6/4-2"	1,1-1,7	3,3	881-1489	ZC24005000003
	6/4-2"	1,3-2,1	4,1	1109-1889	ZC24105000003
	6/4-2"	1,6-2,7	4,8	1321-2389	ZC24205000003



- 1 – pyramidal fittings
- 2 – steel square bar 14x14 mm
- 3 – steel square profile 20x20mm
- 4 – protection tube Ø 50 mm
- 5 – protection tube Ø 63 mm
- 6 – ductite iron
- L – real length



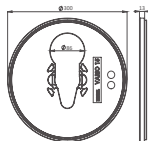
VAG, GF,
BELGICAST



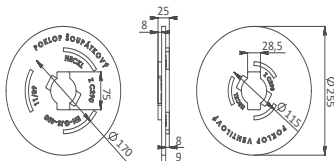
Bottom connection
AVK



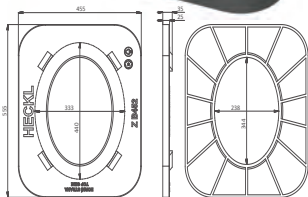
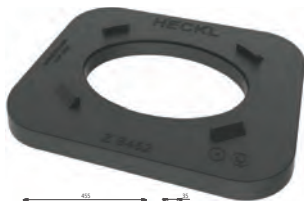
HAWLE



Plastic support plates VARIO 15



Ductile support plates P30



Hydrant support plates

Support plates

FOR CATALOGUE NUMBER SEE TABLE

Purpose

- A versatile solution for using a gate valve or service connection valve with telescopic stem extension and service connection valve or gate valve surface box.
- Seating a surface box on the terrain without the necessity of using any other support
- Ensures alignment of the surface box with the telescopic stem extension

VARIO 15

Characteristics

- Strong and resistant to mechanical damage

Technical description

- Made of polypropylene, black colour

Weight: 0,43 kg

P30

Characteristics

- Strong and resistant to mechanical damage

Technical description

- Made of GGG40 ductile iron with the surface finishing bitumen

Weight: 3,2 kg

HECKL hydrant support plates

Application

- Support plates are designed for installation under hydrant surface boxes. They enable direct fitting and fixation of the position of the surface box during installation thanks to their unique design.

Characteristics:

- The plate material (PP) is resistant to damage, which prevents subsequent changes of the surface box installation position. Thanks to its light weight, easy handling both during transport and during the entire installation is ensured.

Technical description

- Made of polypropylene, black colour

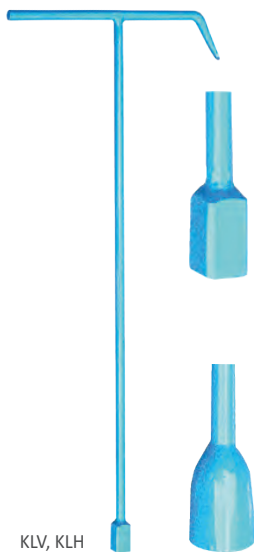
Weight: 1,7 kg

Possibilities of using the support plates

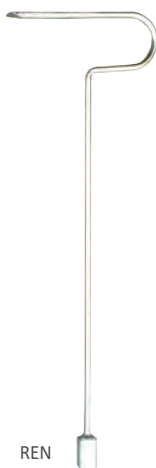
producer of extensions	VARIO 15		P30	
	valve	gate valve	valve	gate valve
VAG	✓	✓	x	x
Hawle	✓	✓	x	x
HECKL	✓	✓	✓	✓
AVK	✓	✓	✓	✓
Saint-Gobain	—	✓	—	✓
Glynwed	✓	—	x	—
George Fischer	✓	—	x	—

	catalogue No.
Plastic universal support plate VARIO 15	Z AC15
Ductite universal support plate P30	Z C290
Plastic hydrant support plate	Z B452

✓ vyhovuje x není vhodná — nepoužívá se



KLV, KLH



REN



UNI

Spindle operating keys

FOR CATALOGUE NUMBER SEE TABLE

Operating

- For control of spindles

Application

- KLV – for opening surface boxes and control of service valve spindles
- KLH – for opening surface boxes and control of gate valve spindles
- REN – for opening REN floating boxes and control of spindles
- UNI – emergency folding with exchangeable adapters for opening surface boxes for control of spindles and for direct control of different types of valves

Charecteristics

- Practical and experienced construction
- Set UNI for universal application

Technical description

- KLV is ended with conical adapter 12 x 12 mm / 14 x 14 mm
- KLH is ended with conical adapter 27 x 27 mm
- REN is ended with conical adapter 12 x 12 mm / 14 x 14 mm
- Body of KLV and KLH is produced from round steel pipe, adapters are made of ductile iron (EN-GJS)
- Body of UNI control key is produced from seamless thick walled steel pipe, adapter is made of ductile iron (EN - GJS)
- Welds are made in CO₂ protective atmosphere
- Spike for opening the surface boxes is milled
- Surface finishing: KLV and KLH – synthetic outdoor paint, REN and UNI – galvanised zinc coating
- Weight: KLV 3,5 kg, KLH 4,5 kg, REN 2,0 kg, UNI 3,0 kg

design	application	dimension (mm)	weight (kg)	catalogue No.
KLV 12	valve spindles	12x12	3,5	Y601000000003
KLV 14	valve spindles	14x14	3,5	Y601000000002
KLH	gate valve spindles, hydrant	27x27	4,5	Y601000000001
REN 12	valve spindles	12x12	2,0	Y601000000006
REN 14	valve spindles	14x14	2,0	Y601000000005
UNI	universal		3,0	Y601000000004
for manholes	manholes HECKL			Y603000000000

Universal spindle
key for manholes
HECKL





Manhole cover AGARA

FOR CATALOGUE NUMBER SEE TABLE

SUITABLE FOR PAVING
SLABS

FIXED WITH
SCREWS



Application

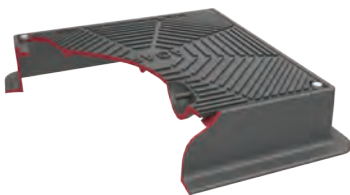
- Designed mainly to cover shafts or different objects in road areas with load class B125 (pavements, pedestrian zones, areas for parking cars), according to EN124

Characteristics

- Those covers are tested and certified for load class B125
- Covers are fixed in frame with screws
- Construction height of the covers enables easy installation in paving slabs (with maximum thickness of 80 mm)

Technical description / design

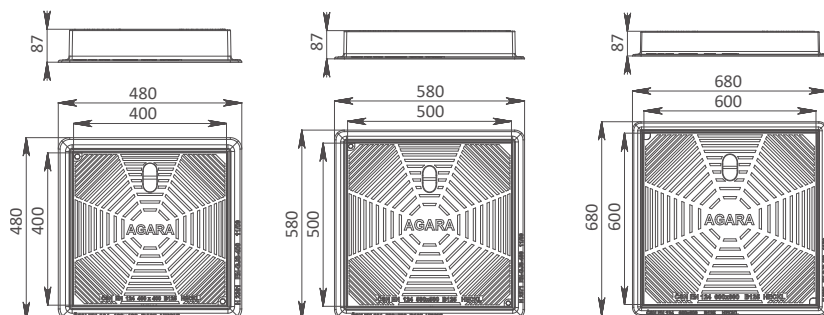
- Dimensions 400x400, 500x500, 600x600, 600x600 with sealing possibility
- Cover and frame are made of ductile iron GGG (EN – GJS) according to EN124
- Regular certification in test institute
- Surface finishing is bitumen

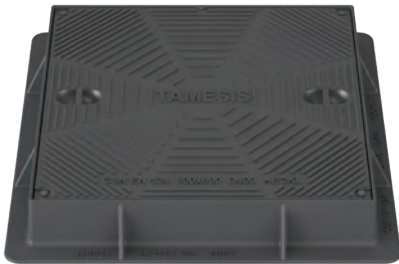


We recommend universal key for mounting covers HECKL. (Catalogue NO. Y60300000000)



dimensions (mm)	outside dimension frame(mm)	height fra-me(mm)	load class	weight (kg)	catalogue No.
400x400	480x480	87	B 125	22	H232000000400
500x500	580x580	87	B 125	32	H233000000500
600x600	680x680	87	B 125	44	H235000000600
600x600 with sealing	680x680	87	B 125	44	H235500000600





Manhole cover TAMESIS

FOR CATALOGUE NUMBER SEE TABLE

Application

- Designed mainly to cover shafts or different objects in road areas with load class D400 according to EN124

Characteristics

- These covers are tested and certified for load class of D400
- Cover 600 x 600 mm is fixed in frame with screws
- Certified for anti-slip, tightness against leaks of water and air penetration (cover with sealing)

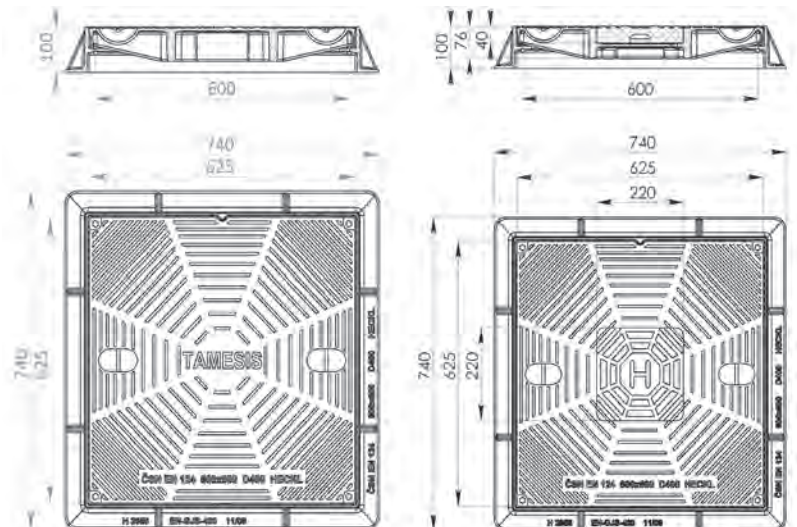


Technical description / design

- Dimension 600 x 600 mm (with or without sealing)
- Cover and frame are made of ductile iron GGG (EN – GJS) according to EN 124
- Regular certification in test institute
- Surface finishing is bitumen
- Screws are made of stainless steel
- Sealing is made of rubber
- Plastic plate for radio transmission is made of PA6 + GF

	dimension cover (mm)	outside dimension frame (mm)	height frame (mm)	load class	weight (kg)	catalogue No.
without sealing	625x625	740x740	100	D400	66	H395500000600
with sealing	625x625	740x740	100	D400	66	H395900000600
with plastic plate for radio transmission	625x625	740x740	100	D400	64	H396200000600

We recommend universal key for mounting covers HECKL. (Catalogue NO. Y60300000000)





Manhole cover LICUS

FOR CATALOGUE NUMBER SEE TABLE

Application

- Designed mainly to cover drainage and revision shafts with diameter of 315 or 400 mm in outside areas with load class A15 according to EN124

Characteristics

- Those covers are designed for load class A15 (green areas, areas for pedestrians and cyclists)
- Possible to mount on smooth end of shaft pipe with diameter of 315 or 400 mm
- Connected to pipe with two screws
- They are not designed for installation in concrete

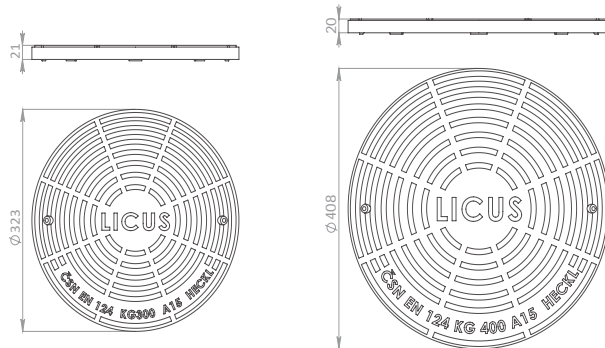
Technical description / design

- Cover and smooth end of shaft are fixed with two screws
- Made of grey iron GG (EN – GJL)
- Surface finishing is bitumen
- Screws are made of stainless steel A2



dimension cover (mm)	outside dimension of manhole poklopu (mm)	height cover (mm)	load class	weight (kg)	catalogue No.
315	328	23	A15	5,0 kg	H150100000300
400	413	23	A15	7,0 kg	H150200000400

We recommend universal key for mounting covers HECKL. (Catalogue NO. Y603000000000)





Manhole cover SAVUS

FOR CATALOGUE NUMBER SEE TABLE

UNIVERSAL FOR
THROAT/SMOOTH PIPE

Application

- Designed mainly to cover drainage and revision shafts with diameter of 315 or 400 mm

Characteristics

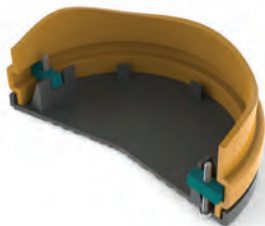
- Universal use – possibility to install on smooth end of shaft pipe (telescopic) or on neck of shaft pipe with diameter 315 or 400 mm. Cover is fixed to pipe with two screws
- They are not designed for installation in concrete
- Those covers are designed for load class A15 (green areas, areas for pedestrians and cyclists)

Technical description / design

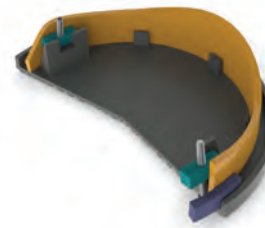
- Fixation between cover and smooth end of shaft is ensured by squeezing between wedge and defining insert
- Fixation of cover on pipe neck is ensure by snapping of wedge in neck of pipe in place of sealing rubber (sealing rubber must be removed). The cover is firmly tightened to upper end of pipe with screws
- Connection with the help of wedges is strong enough for ordinary service. It can be tightened with spanner No. 13
- Made of ductile iron GGG (EN – GJS) according to EN 124
- Surface finishing is bitumen
- Stainless steel screws A2

We recommend universal key for mounting covers HECKL. (catalogue No. Y 6030)

Mounting on the pipe neck

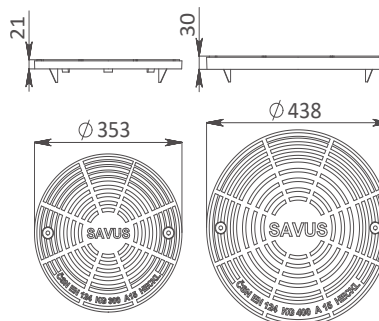


Mounting on the shank of the pipe



dimensions (mm)	outside dimension frame(mm)	height frame(mm)	load class	Weight (kg)	catalogue No.
315	353	21	A 15	6	H 1503
400	438	30	A 15	9	H 1504

We recommend universal key for mounting covers HECKL. (Catalogue NO. Y60300000000)





Manhole covers IBERUS, MARGUS

FOR CATALOGUE NUMBER SEE TABLE



Design with screws for telescopic use



Application

- Covers with square frame designed to cover drainage, revision shafts with diameter 315 or 400 mm

Characteristics

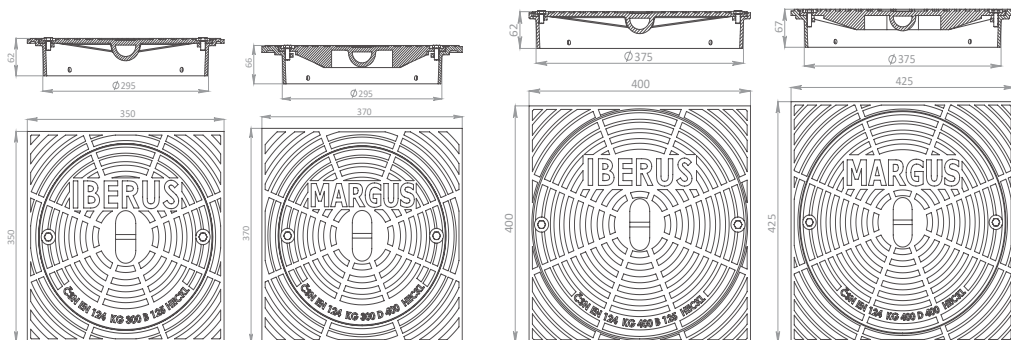
- Intended for installation on smooth ends of shaft pipes with diameter 315 or 400 mm
- Telescopic version is frame fixed to pipe with 4 screws
- Designed for installation in concrete
- Tested and certified according to EN124 for class: B125 – IBERUS, D400 – MARGUS

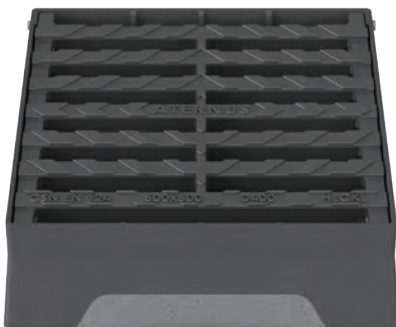
Technical description / design

- Cover is fixed into the frame with two stainless steel screws
- Made of ductile iron GGG (EN – GJS)
- Regular certification in test institute
- Surface finish is bitumen

dimension cover (mm)	outside dimension frame(mm)	height frame (mm)	load class	weight (kg)	catalogue No.
295	350	62	B125	7	H151300000300
375	400	62	B125	12	H151400000400
295	370	67	D400	13	H151500000300
375	425	67	D400	19	H151600000400

We recommend universal key for mounting covers HECKL. (Catalogue NO. Y603000000000)





Grate ATERNUS

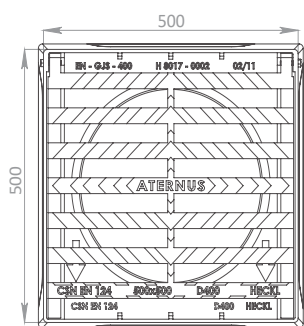
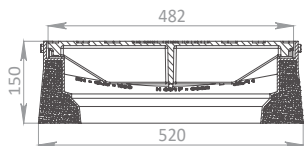
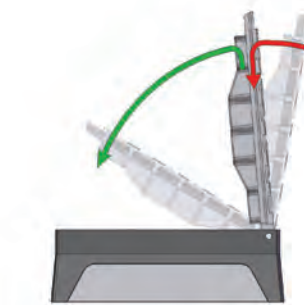
FOR CATALOGUE NUMBER SEE TABLE

Application

- Inlet grate designed for use in areas and roads which are accessible by all types of road transport. Meets requirements of load class D400 according to EN 124.

Characteristics

- Massive inlet grate with load class D400
- Optimised shape for maximum water drainage
- Frame of grate is designed for insertion of a gully basket in the lower part
- Shape of frame avoids settling of dirt in grate
- Walking surface of grate has optional adhesive characteristics
- Installed grate makes a solid unit which limits possibility of theft
- There is point of safe opening on the grate that lowers risk of injury during installation or maintenance
- Grate automatically falls to point of safe opening if it is not pulled up during closing
- Lower part of grate is reinforced with high-performance concrete. This gives a bigger load bearing surface and it allows easier installation of grate thanks to lower specific pressure on subsoil
- Grate is produced from ductile iron and it is finished by anticorrosion paint



Technical description / provedení

- Square grate with frame with dimension 500 x 500 mm
- Hinged grate with fixed attachment
- Grate is secured against unwanted closing by position of safe opening
- Possibility of using high or low sludge basket
- Material of grate and frame is ductile iron – GGG (EN-GJS) + high-performance concrete
- Surface finish is bitumen
- Weight including concrete 67 kg

dimension grate (mm)	outside dimension frame(mm)	height frame (mm)	load class	weight (kg)	catalogue No.
500x500	520	150	D400	67	H801700000500



Grate DRAVUS

FOR CATALOGUE NUMBER SEE TABLE

Application

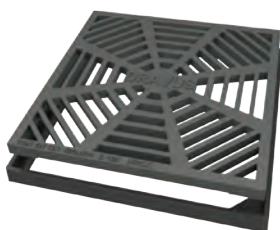
- Designed for installation in outside areas with load class B125 according to EN 124

Characteristics

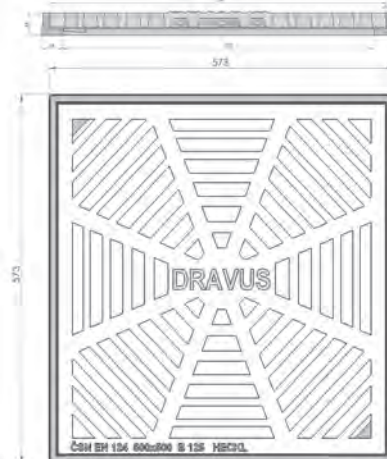
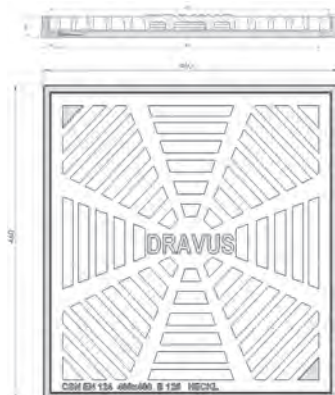
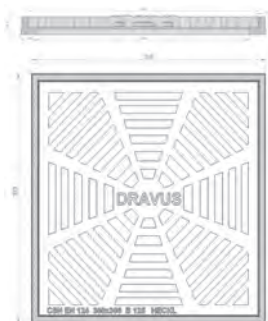
- Inlet grate with load class B125
- Optimised shape designed for maximum water drainage
- Shape of frame avoids settling of dirt
- Upper walking surface has optimal adhesive properties
- Inlet grate and frame are produced from ductile iron with anticorrosion treatment

Technical description / design

- Litinové vtokové mříže DRAVUS jsou určeny k odvádění povrchové vody z venkovních ploch
- Grate is held in the frame by its own weight
- Square inlet grate with dimensions 300 x 300, 400 x 400 and 500 x 500 mm
- Grate and frame are made of ductile iron GGG (EN - GJS)
- Surface finish is bitumen



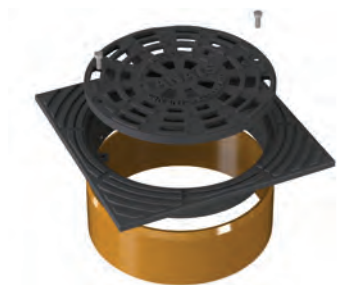
dimension grate (mm)	outside dimension frame(mm)	height frame (mm)	load class	weight (kg)	catalogue No.
330x330	353x353	24	B125	10,3	H605000000300
435x435	460x460	30	B125	21,8	H605300000400
544x544	573x573	34	B125	38,7	H605600000500





Grate TANAIS

FOR CATALOGUE NUMBER SEE TABLE



Application

- Designed for drainage of surface water from outside areas to drainage revision shafts in diameter 315 or 400 mm

Characteristics

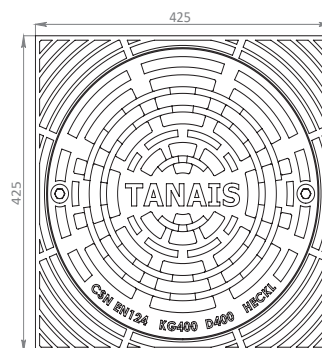
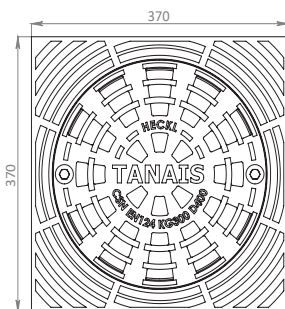
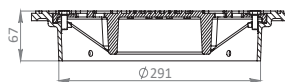
- Intended for installation on smooth ends of shaft pipes with a diameter of 315 or 400 mm
- Telescopic version is frame fixed to pipe with 4 screws
- Designed for installation in concrete
- Tested and certified according to EN124 for class D400

Technical description / design

- Grate is fixed into the frame with two stainless steel screws
- Grate and frame are produced from ductile iron GGG (EN – GJS)
- Surface finish is bitumen

dimension grate (mm)	outside dimension frame(mm)	height frame (mm)	load class	weight (kg)	catalogue No.
315	370	67	D400	14	H602400000300
400	425	67	D400	16	H602600000400

We recommend universal key for mounting covers HECKL. (catalogue No. Y 6030)





Grate ARNUS

FOR CATALOGUE NUMBER SEE TABLE

GRADIENT OF UP TO 7°

SELF-LEVELLING

SECURED AGAINST OPEN

Application

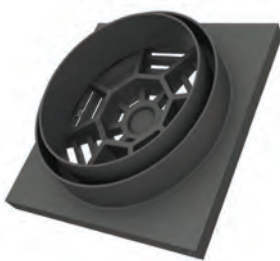
- The ARNUS grate forms the upper part of plastic road gullies.
- The grate can be installed into PipeLife wastewater traps No. KJ 315 or PVC sewage pipes SN 4 (315*7.7 mm). The grate can be equipped with a low gully basket (galvanised B1 or plastic).

Characteristics

- A “floating grate” – it does not place a load onto the lower part of the manhole, the load is transmitted to the road. The structure can be vertically moved by up to 40 mm.
- For installation on roads with a gradient of up to 7° - see drawings
- Fitted with an inspection hole for installation checks and for potential movement of the grate after installation
- Secured against inadvertent opening by fast running vehicles
- Tested and certified according to class D400
- Opened with hinges – after installation, the hinges are placed under the asphalt surface and secured against theft
- A temporary lid is used to replace the grate during placing of the first asphalt layer and enables placement of the first layer simultaneously without the need to drive around the grate. When the final asphalt layer is cast, the temporary lid is replaced with the grate.
- The temporary lid is intended for repeated use.

Technical description / Design

- Square grate 400*400 with a frame
- Optional insertion of a low gully basket
- Grate and frame material: ductile iron (GGG 40 – EN JS1030)
- Bitumen surface finish
- Steel temporary lid, synthetic paint
- Weight: 23 kg

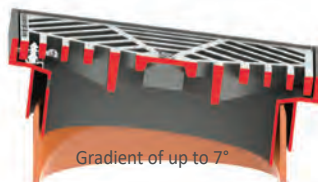


Temporary lid

	load capacity	catalogue No.
Grate Arnus	D400	H80500000400
Temporary lid for grate Arnus		H805300000000



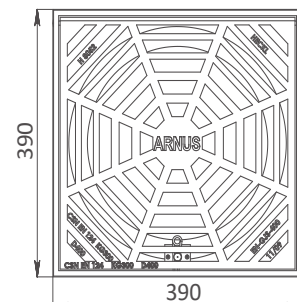
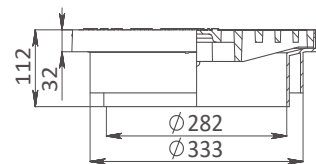
Pant grate Control hole



Gradient of up to 7°



Security against open





Manhole cover AGARA KG

FOR CATALOGUE NUMBER SEE TABLE

SUITABLE FOR
INSTALLATION IN PAVING

Application

- Designed to cover drainage revision shafts with diameter 400 mm in outside areas with load class B125 according to EN124

Characteristics

- Tested and certified according to EN124 for load class B125
- Possible to be mounted on smooth ends of shaft pipes in diameter 400 mm
- Connected to pipe with two screws
- Can be installed in concrete
- Suitable for installation in paving

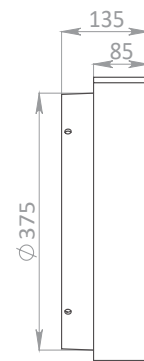
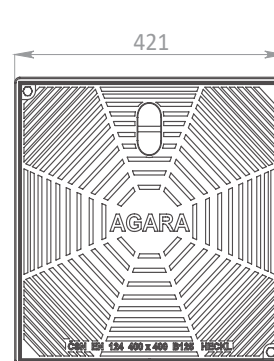
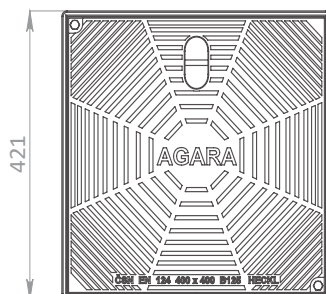
We recommend universal key for mounting covers HECKL. (catalogue No. Y 6030)



Technical description / design

- Cover and smooth end of shaft are fixed two screws
- Cover and frame are connected by stainless steel screws
- Made of ductile iron GGG (EN – GJS)
- Surface finish is bitumen
- Stainless steel screws A2

dimension cover (mm)	outside dimension of manhole (mm)	height cover (mm)	load class	weight (kg)	catalogue No.
400	421x421	85	B125	23,0	H231000000400





Plastic slit bucket

FOR CATALOGUE NUMBER SEE TABLE

NON - CORROSIVE MATERIAL

Operating

- Catching rude dirt.

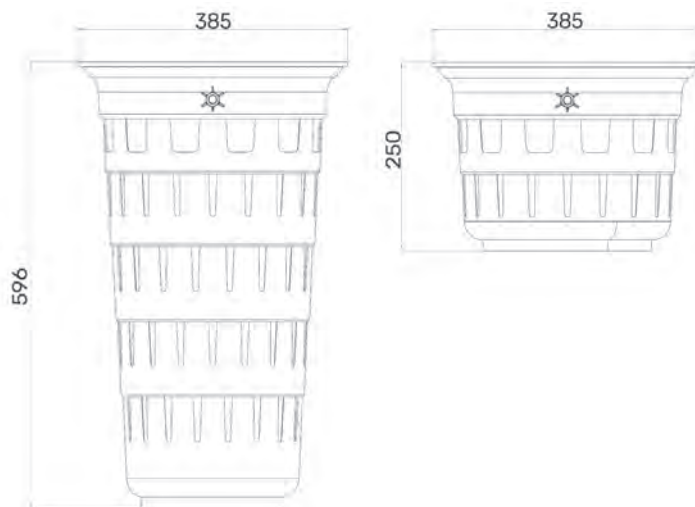
Characteristics

- Use in influx grates (e.g. ATERNUS, BEGU, ECOTOP, etc.)
- Two sizes
- Plastic material does not corrode

Technical description

- Made of PE (polyethylen)
- Grip is metal with galvanized protection, diameter 10 mm
- High bucket is 596 mm height and 385 mm in diameter
- Low bucket is 250 mm height and 385 mm in diameter

	diameter	height	weight (kg)	Catalogue No.
high bucket A4	385 mm	596 mm	2,2	H981500000A4
low bucket B1	385 mm	250 mm	1,4	H981500000B1





Water meter brackets

FOR CATALOGUE NUMBER SEE TABLE

set type 1



set type 2



set type 3



set type 4



set type 5



Application

- Water meter brackets are designed for fixed mounting of water meters with different lengths

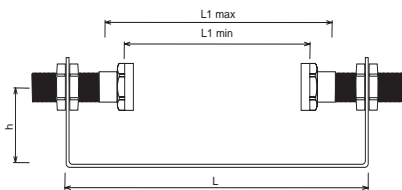
Characteristics

- Stainless steel bracket
- Brass ball valves and fittings
- Set include stainless steel bolts and wall plugs for mounting of the bracket on the wall

Set types

1. water meter bracket, fittings
2. water meter bracket, fittings, straight ball valve with coupling for PE connection, straight ball valve with female threads, drain cocks and non-return valve
3. water meter bracket, brass fittings, angle ball valve with coupling for PE connection, straight ball valve with female threads, drain cocks and non-return valve
4. water meter bracket, fittings, straight ball valve with female threads, non-return valve, straight ball valve with female threads and drain cocks
5. water meter bracket, fittings, straight valve with female threads, non-return valve, straight valve with female threads and drain cocks

Set types	DN set	DN water meter	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Catalogue No.
1.	32x1"	1"	275	160	190	2,3	C614500025025
2.	32x1"	1"	275	160	190	2,4	C615000032025
3.	1"	1"	275	115	175	2,4	C615100032025
4.	1"	1"	275	115	175	2,9	C615200025025
5.	1"	1"	275	115	175	3	C615300025025





Brass fittings

FOR CATALOGUE NUMBER SEE TABLE

PRODUCED ACCORDING
TO THE STANDARD

LASER MARKING

DRINKING WATER
CERTIFICATE

Application

- Distribution of water and gas, including drinking water
- Working pressure 1,0 MPa, temperature from 0°C upto 110°C

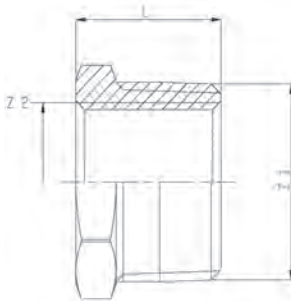
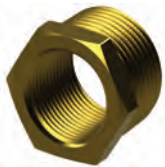
Characteristics

- Produced according to EN 1254-4 (EN 1254-1)
- Diameters from 1/2" to 2"
- Designed for threaded joints according to EN 10226-1 (ISO 7-1)
- Male threads are conical 1:16, female threads are cylindrical
- Produced by forming and then machining on CNC machine
- Each fitting is marked with name of producer (Heckl), diameter, production batch and type of material
- Marking is engraved by laser
- Male threads are roughened for better adhesion of sealing material

Materials

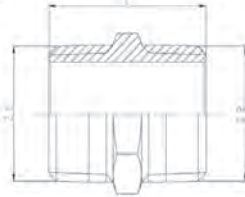
- Brass CW 617 N or CW 602 N without surface finish

FITTINGS ARE CERTIFIED FOR DRINKING WATER



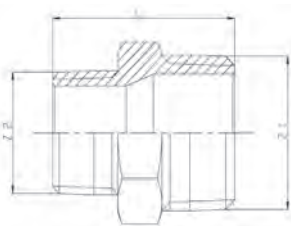
Reductions

dimension	L (mm)	Weight (g)	packing (pcs)		catalogue No.	
			small	large	CW617N	CW602N
3/4" x 1/2"	22	40	20	400	C513510020015	C513710020015
1" x 1/2"	26	99	10	170	C513510025015	C513710025015
1" x 3/4"	26	72	10	220	C513510025020	C513710025020
5/4" x 1/2"	30	192	5	80	C513510032015	C513710032015
5/4" x 3/4"	30	174	5	80	C513510032020	C513710032020
5/4" x 1"	30	137	5	80	C513510032025	C513710032025
6/4" x 1/2"	30	264	5	60	C513510040015	C513710040015
6/4" x 3/4"	30	242	5	60	C513510040020	C513710040020
6/4" x 1"	30	210	5	60	C513510040025	C513710040025
6/4" x 5/4"	30	120	5	60	C513510040032	C513710040032
2" x 3/4"	35	440	2	36	C513510050020	C513710050020
2" x 1"	35	407	2	36	C513510050025	C513710050025
2" x 5/4"	35	331	2	36	C513510050032	C513710050032
2" x 6/4"	35	298	2	36	C513510050040	C513710050040



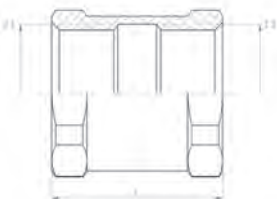
Double nipples

dimensions Z1 x Z2	L (mm)	Weight (g)	packing (pcs)		catalogue No.	
			small	large	CW617N	CW602N
1/2" x 1/2"	36	43	20	220	C561010000015	C562110000015
3/4" x 3/4"	38	66	20	200	C561010000020	C562110000020
1" x 1"	41	113	10	100	C561010000025	C562110000025
5/4" x 5/4"	52	204	5	45	C561010000032	C562110000032
6/4" x 6/4"	52	264	5	30	C561010000040	C562110000040
2" x 2"	65	449	2	24	C561010000050	C562110000050



Double nipples

dimensions Z1 x Z2	L (mm)	Weight (g)	packing (pcs)		catalogue No.	
			small	large	CW617N	CW602N
3/4" x 1/2"	39	69	20	160	C563010020015	C563210020015
1" x 1/2"	41	113	10	100	C563010025015	C563210025015
1" x 3/4"	42	114	10	100	C563010025020	C563210025020
5/4" x 1/2"	45	177	5	45	C563010032015	C563210032015
5/4" x 3/4"	46	177	5	45	C563010032020	C563210032020
5/4" x 1"	50	194	5	45	C563010032025	C563210032025
6/4" x 1/2"	45	230	5	30	C563010040015	C563210040015
6/4" x 3/4"	46	229	5	30	C563010040020	C563210040020
6/4" x 1"	50	246	5	30	C563010040025	C563210040025
6/4" x 5/4"	51	247	5	30	C563010040032	C563210040032
2" x 3/4"	50	338	2	24	C563010050020	C563210050020
2" x 1"	54	362	2	24	C563010050025	C563210050025
2" x 5/4"	56	371	2	24	C563010050032	C563210050032
2" x 6/4"	56	380	2	24	C563010050040	C563210050040



Sockets

dimensions Z1 x Z2	L (mm)	Weight (g)	packing (pcs)		catalogue No.
			small	large	CW617N
1/2" x 1/2"	38	50	20	200	C511010000015
3/4" x 3/4"	40	75	15	150	C511010000020
1" x 1"	44	129	10	100	C511010000025
5/4" x 5/4"	50	187	5	45	C511010000032
6/4" x 6/4"	50	209	5	30	C511010000040
2" x 2"	58	365	2	20	C511010000050



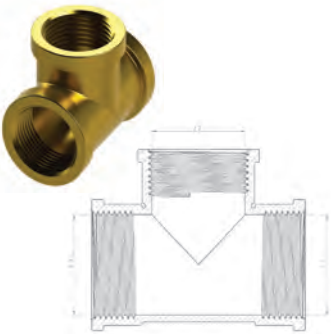
Elbows FF

dimensions Z1 x Z2	Weight (g)	packing (pcs)		catalogue No.	
		small	large		
1/2" x 1/2"	58	10	150	C52121000015	CW617N
3/4" x 3/4"	99	10	100	C52121000020	CW617N
1" x 1"	154	10	60	C52121000025	CW617N
5/4" x 5/4"	320	5	25	C52121000032	CW602N
6/4" x 6/4"	378	4	16	C52121000040	CW602N
2" x 2"	725	2	12	C52121000050	CW602N



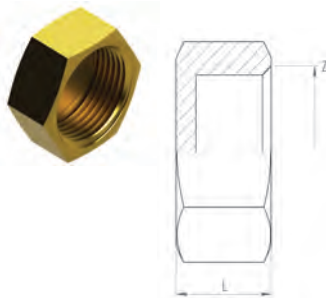
Elbows MF

dimensions Z1 x Z2	Weight (g)	packing (pcs)		catalogue No.	
		small	large		
1/2" x 1/2"	63	10	150	C52131000015	CW617N
3/4" x 3/4"	100	10	80	C52131000020	CW617N
1" x 1"	195	10	50	C52131000025	CW617N
5/4" x 5/4"	360	5	25	C52131000032	CW602N
6/4" x 6/4"	460	5	20	C52131000040	CW602N
2" x 2"	795	2	12	C52131000050	CW602N



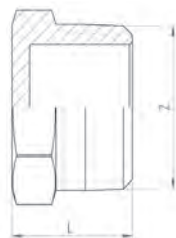
T-pieces

dimensions Z1 x Z2 x Z3	Weight (g)	packing (pcs)		catalogue No.	
		small	large		
1/2" x 1/2" x 1/2"	79	10	120	C53221000015	CW617N
3/4" x 3/4" x 3/4"	119	10	70	C53221000020	CW617N
1" x 1" x 1"	186	10	40	C53221000025	CW617N
5/4" x 5/4" x 5/4"	397	4	20	C53221000032	CW602N
6/4" x 6/4" x 6/4"	460	4	16	C53221000040	CW602N
2" x 2" x 2"	648	1	12	C53221000050	CW602N



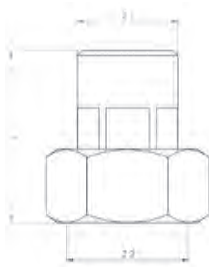
Lids

dimensions Z1	L (mm)	Weight (g)	packing (pcs)		catalogue No.
			small	large	CW617N
1/2"	15	31	20	400	C551210000015
3/4"	16	50	20	300	C551210000020
1"	18	90	10	220	C551210000025
5/4"	21	145	5	80	C551210000032
6/4"	21	193	5	60	C551210000040
2"	26	260	2	36	C551210000050



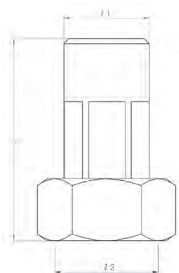
Plugs

dimensions Z1	L (mm)	Weight (g)	packing (pcs)		catalogue No. CW617N
			small	large	
1/2"	18	28	20	400	C551010000015
3/4"	20	47	20	400	C551010000020
1"	22	81	10	220	C551010000025
5/4"	26	136	5	80	C551010000032
6/4"	26	177	5	60	C551010000040
2"	31	279	2	36	C551010000050



Watermeter fittings

dimensions Z1 x Z2	L (mm)	Weight (g)	packing (pcs)		catalogue No. CW617N
			small	large	
1/2" x 3/4"	22	78	20	160	C571210015020
3/4" x 1"	24	117	10	100	C571210020025
1" x 5/4"	27	218	5	45	C571210025032
5/4" x 6/4"	30	327	2	24	C571210032040
6/4" x 2"	31	487	2	24	C571210040050



Watermeter fittings – long

dimensions Z1 x Z2	L (mm)	Weight (g)	packing (pcs)		catalogue No. CW617N
			small	large	
1/2" x 3/4"	34	92	20	160	C571310015020
3/4" x 1"	40	144	10	100	C571310020025
1" x 5/4"	38	248	5	45	C571310025032
5/4" x 6/4"	40	365	2	24	C571310032040
6/4" x 2"	50	575	2	24	C571310040050



Flanged pipe fittings

FOR CATALOGUE NUMBER SEE TABLE



Application

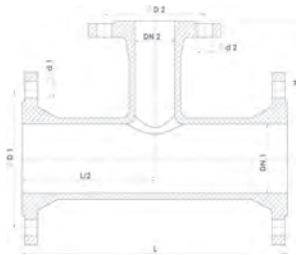
- Ductile iron pipe fittings for drinking water, waste water to max. 50 °C
- Designed for outdoor pipelines and for underground installation (according to applicable regulations)

Characteristics

- Designed according to EN 545
- Products range up DN 50 to DN 300
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16i

Technical description

- Ductile iron EN-GJS-400-15 (GGG-40)
- Epoxy coated internally and externally according GSK, minimum thickness 250 micrometers



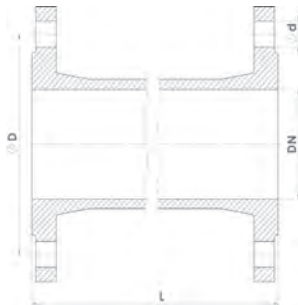
Flanged Tee type T

DN 1	DN 2	H (mm)	L (mm)	Ø D 1 (mm)	Ø D 2 (mm)	Ø d 1 (mm)	Ø d 2 (mm)	PN	weight (kg)	Catalogue No.
80	50	160	330	160	125	19	19	16	15	E432516080050
80	80	165	330	160	160	19	19	16	15,7	E432516080080
80	80 4 d.	165	330	160	160	19	19	16	15,7	E432516080084
100	80	175	360	180	160	19	19	16	18,4	E432516100080
100	80 4 d.	175	360	180	160	19	19	16	18,4	E432516100084
100	100	180	360	180	180	19	19	16	19	E432516100100
150	80	205	400	240	160	23	19	16	28,5	E432516150080
150	100	210	400	240	180	23	19	16	29,4	E432516150100
150	150	220	400	240	240	23	23	16	32,2	E432516150150
200	80	235	520	295	160	23	19	10	42,2	E432510200080
200	100	240	520	295	180	23	19	10	43,1	E432510200100
200	150	250	520	295	240	23	23	10	46	E432510200150
200	200	260	520	295	295	23	23	10	49,5	E432510200200



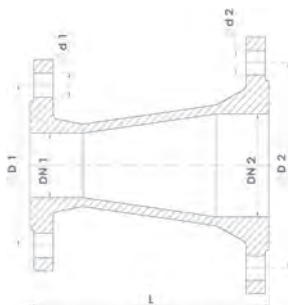
Flanged spigot pieces type F

DN	L (mm)	Ø D (mm)	Ø d (mm)	PN	weight (kg)	Catalogue No.
80	350	160	19	16	7,7	E415016000080
100	360	180	19	16	9,7	E415016000100
150	380	240	23	16	15,6	E415016000150
200	400	295	23	10	24,6	E415010000200



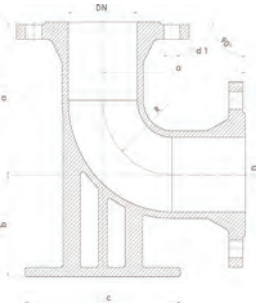
Flanged pipe type FF

DN	L (mm)	Ø D (mm)	Ø d (mm)	PN	weight (kg)	Catalogue No.
50	200	125	19	16	6,3	E410016050020
80	100	160	19	16	7,6	E410016080010
80	200	160	19	16	9,2	E410016080020
80	300	160	19	16	10,8	E410016080030
80	400	160	19	16	12,4	E410016080040
80	500	160	19	16	14,1	E410016080050
80	1000	160	19	16	22	E410016080100
100	100	180	19	16	8,6	E410016100010
100	200	180	19	16	10,7	E410016100020
100	300	180	19	16	12,7	E410016100030
100	500	180	19	16	16,8	E410016100050
100	1000	180	19	16	27	E410016100100
150	100	240	23	16	13,2	E410016150010
150	200	240	23	16	16,5	E410016150020
150	300	240	23	16	19,7	E410016150030
150	500	240	23	16	26	E410016150050
150	1000	240	23	16	42,5	E410016150100
200	100	295	23	10	18,4	E410010200010
200	200	295	23	10	23	E410010200020
200	300	295	23	10	27,5	E410010200030
200	500	295	23	10	37	E410010200050
200	1000	295	23	10	60	E410010200100



Flanged reducer type FFR

DN 1	DN 2	L (mm)	Ø D 1 (mm)	Ø D 2 (mm)	Ø d 1 (mm)	Ø d 2 (mm)	PN	weight (kg)	Catalogue No.
80	50	200	160	125	19	19	16	7,9	E416016080050
100	80	200	180	160	19	19	16	11,1	E416016100080
100	80 4 d.	200	180	160	19	19	16	11,1	E416016100084
150	80	200	240	160	23	19	16	13,9	E416016150080
150	100	200	240	180	23	19	16	15,9	E416016150100
200	80	300	295	160	23	19	10	22,9	E416010200080
200	100	300	295	180	23	19	10	23,8	E416010200100
200	150	300	295	240	23	23	10	26,4	E416010200150



Flanged duckfoot bend 90° type N

DN	a (mm)	b (mm)	c (mm)	Ø D (mm)	Ø d (mm)	PN	weight (kg)	Catalogue No.
80	165	110	180	160	19	16	13,2	E426516000080
80 4 d.	165	110	180	160	19	16	13,2	E426516000084
100	180	125	200	180	19	16	16,9	E426516000100
150	220	160	250	240	23	16	28,8	E426516000150
200	260	190	300	295	23	10	46,2	E426516000200



Flanged bend 90° type Q

DN	a (mm)	b (mm)	Ø D (mm)	Ø d (mm)	PN	weight (kg)	Catalogue No.
80	165	100	160	19	16	9,7	E426016000080
80 4 d.	165	100	160	19	16	9,7	E426016000084
100	180	110	180	19	16	12,3	E426016000100
150	220	145	240	23	16	19,8	E426016000150
200	260	175	295	23	10	31,2	E426010000200



X blank flange

FOR CATALOGUE NUMBER SEE TABLE

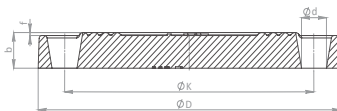
- For permanent contact with drinking water

Variation

- With thread from G 1/2"

Application

- Ending flanges are designed for blinding ends of pipes
- Ending flanges with threads are designed for transition to pipes with female threads G1/2" and higher. Can be used for de-aeration or drainage of water metre sets



Technical description

- Cast. DN 40-150 PN 16; DN 200 PN10

Assembly instructions

- Round grooves must be assembled toward sealing

Materials

- Produced from grey iron GG (EN – GJL) or ductile iron GGG (EN – GJS) – see below table

Surface finish

- Eco-friendly powder epoxy coating, blue colour, GSK

DN	Ø k (mm)	Ø D1 (mm)	Ø d (mm)	b (mm)	f (mm)	n ^{xx)}	material	PN	Weight ⁺ (kg)	catalogue No.
40	110	150	19	20	2	4	GG	16	2,1	E637016000040
50	125	160	19	19	2	4	GG	16	2,3	E637016000050
60/65	135/145	185	19	22	2	4/4	GG	16	3,5	E637016060065
80	160	198	19	24	3	4	GG	16	4,5	E637016000084
80	160	198	19	18	3	8	GGG	16	3,2	E637016000080
100	180	218	19	23	2	8	GG	16	5,2	E637016000100
125	210	250	19	23	3	8	GG	16	6,8	E637016000125
150	240	282	23	23	3	8	GG	16	8,6	E637016000150
200	295	340	23	24	3	8	GG	10	13,5	E637010000200

+ real weight can be 10 % higher xx) n – count holes for screws



**DUCTILE IRON
BODY**



Reducing flange XR

FOR CATALOGUE NUMBER SEE TABLE

- For permanent contact with drinking water, non-drinking water and non-aggressive wastewater

Application

- They are used in piping systems to reduce diameter in short construction lengths

Technical description

- Machine casting with female threads for galvanised bolts. Bolts include galvanised washers and nuts. Tested for PN16, DN200 PN10 or PN16. Reach of bolts is 50 – 55 mm. Different lengths can be requested.

Assembly instructions

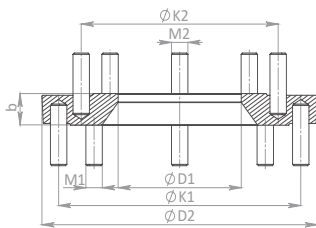
- It is necessary to remove the nut and washer. Insert bolts in holes for screws in second flange and then tighten flanges together

Materials

- Ductile iron GGG (EN – GJS). Bolts, washers and nuts – galvanised steel, can be produced from stainless steel on request.

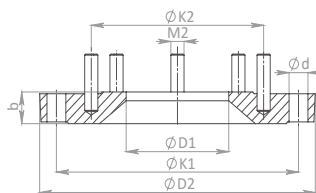
Surface finish

- Eco-friendly powder epoxy coating – blue colour with minimum thickness 200 µm



Type A

DN1 / DN2	Ø D2 (mm)	Ø K1 (mm)	Ø D1 (mm)	Ø K2 (mm)	b (mm)	PN1/ PN2	n1/n2	M1/M2	Weight (kg)	catalogue No.
80/50	200	160	50	125	30	16/16	8/4	M16/M16	5,1	E637516080050
100/50	218	180	50	125	30	16/16	8/4	M16/M16	5,8	E637516100050
100/80	218	180	80	160	30	16/16	8/4	M16/M16	5,5	E637516100084
100/80	220	180	80	160	35	16/16	8/8	M16/M16	6,7	E637516100080
125/100	250	210	100	180	36	16/16	8/8	M16/M16	8,9	E637516125100
150/100	286	240	100	180	36	16/16	8/8	M20/M16	11,2	E637516150100
150/125	286	240	125	210	36	16/16	8/8	M20/M16	10,5	E637316150125
200/150	336	295	150	240	36	10/16	8/8	M20/M20	15,0	E637316200150
200/200	336	295	200	295	36	10/16	8/12	M20/M20	12,5	E637316200200

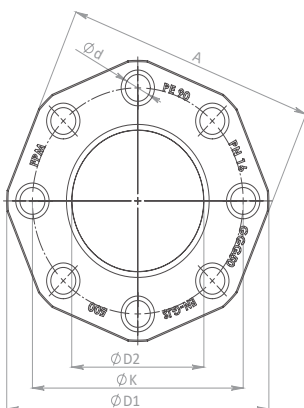
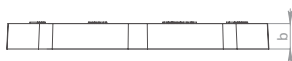


Type B

DN1 / DN2	Ø D2 (mm)	Ø K1 (mm)	Ø D1 (mm)	Ø K2 (mm)	b (mm)	PN1/ PN2	n1/n2	Ø d/M2 (mm)	Weight** (kg)	catalogue No.
150/80	286	240	80	160	36	16/16	8/4	23/M16	11,0	E637516150084
150/80	286	240	80	160	36	16/16	8/8	23/M16	11,0	E637516150080
200/80	336	295	80	160	36	10/16	8/4	23/M16	16,7	E637510200084
200/80	336	295	80	160	36	10/16	8/8	23/M16	16,7	E637510200080
200/100	336	295	100	180	36	10/16	8/8	23/M16	16,5	E637110200100
200/125	336	295	125	210	36	10/16	8/8	23/M16	15,5	E637510200125

+ real weight can be 10 % higher

* Weight is included with bolts



Loose flange

FOR CATALOGUE NUMBER SEE TABLE

Application

- Flanges are used in combination with adapters for transition to piping of different materials
- Type of medium (liquid) is based on type of plastic piping used. Flange is fixed with a plastic adapter and it is not in direct contact with liquid.

Technical description

- Cast. PN 16

Assembly instructions

- Flange is fixed with an adapter and the conical holes for bolts have a smaller diameter on the side of the neck of the adapter (opposite of sealing side)

Materials

- Ductile iron GGG (EN – GJS)

Surface finish

- Eco-friendly powder epoxy coating – blue colour GSK

DN	PE ^{x)} (mm)	$\phi D1$ (mm)	$\phi D2$ (mm)	ϕK (mm)	A (mm)	ϕd (mm)	b (mm)	n ^{xx)}	Weight ⁺ (kg)	catalogue No.
80	90	199	100	160	189	19	18	8	2,3	D507016000080
100	110	219	120	180	205	19	18	8	2,4	D507016000100
150	160	295	175	240	278	23	20	8	4,8	D507016000150

x) PE – outside dimension polyethylene pipe xx) n – count holes for screws + real weight can be 10 % higher



Set up insert NV

FOR CATALOGUE NUMBER SEE TABLE

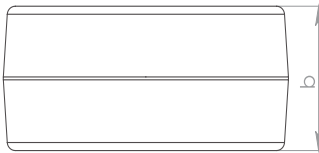
- For permanent contact with drinking water, non-drinking water and non-aggressive wastewater

Variations

- With thread G3/4", G1", G5/4", or G6/4"

Application

- 1) Used for addition of construction length when changing old valves. Construction length of set up insert (67 mm, with sealing 70 mm) compensates for a difference between construction lengths of F5 (class 15 EN 558) and ČSN (class 1 ČSN 13 3045)
- 2) Set up insert can be also used for de-aeration or drainage of water metre set. The biggest possible thread is G6/4"



Technical description

- Cast PN 16

Assembly instructions

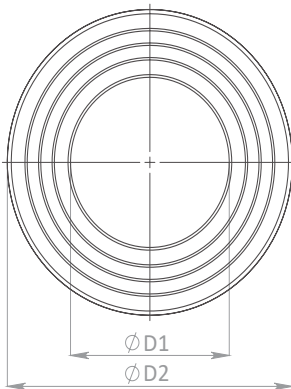
- Set up insert is squeezed between two flanges. Bolts are located outside the set up insert.

Materials

- Grey iron GG (EN – GJL)

Surface finish

- Eco-friendly powder epoxy coating – blue colour with minimum thickness 200 µm tloušťce



DN	Ø D1	Ø D2	b	Weight (kg) ⁺
80	79	142	67	4,8
100	99	162	67	5,7
150	149	215	67	8,1

+ real weight can be 10 % higher

DN	thread	catalogue No.
80	without thread	E638016000080
80	3/4"	E638216080020
80	1"	E638216080025
80	5/4"	E638216080032
80	6/4"	E638216080040
100	without thread	E638016000100
100	3/4"	E638216100020
100	1"	E638216100025
100	5/4"	E638216100032
100	6/4"	E638216100040
150	without thread	E638016000150
150	3/4"	E638216150020
150	1"	E638216150025
150	5/4"	E638216150032
150	6/4"	E638216150040



Water meter socket

FOR CATALOGUE NUMBER SEE TABLE



Application

- It is designed for simple sealing of water meter / gas meter couplings

Characteristics

- Transparent color
- Packed set – socket + seal

Design

- Designed of PP (polypropylen)
- Available size 1/2", 3/4" and 1"

DN	Catalogue NO.
1/2"	ZC41500000015
3/4"	ZC41500000020
1"	ZC41500000025

Description	Catalogue NO.
seal	ZC41600000000





Plastic indicator plates and signs, steel posts, concrete stand

EASY ASSEMBLING

Plastic indicator plates and signs

Application

- Designed for position marking of underground water and gas pipelines, valves, hydrants and accessories according norm CSN 75 5025

Characteristics

- Produced of durable resistant plastic with UV and mechanical damages resistant
- Easy assembling
- Colors – blue and red (water pipelines), yellow (gas pipelines), other colors on request
- Plate sizes: small for house connections indication – 105x100 mm, big for valves, hydrants, chambers indication – 105x150 mm

Steel posts

Application

- Designed for position marking of underground water and gas pipelines

Characteristics

- Posts are made from steel bar, zinc coated - corrosion protection
- Covered by plastic color foil (blue-white, red-white, brown-white) UV and weather resistant
- Sizes: length 2000 mm and 3000 mm, diameter 40 mm, wall thickness 3 mm
- Posts are covered on the top part with plastic cover against leakage, it is drilled hole for assembling with concrete stand

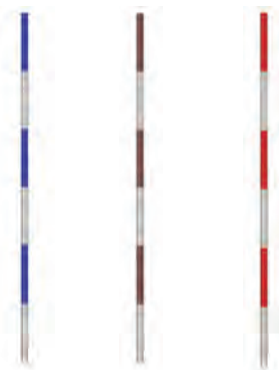
Concrete stand

Application

- Easy assembling of steel post without needs to concret

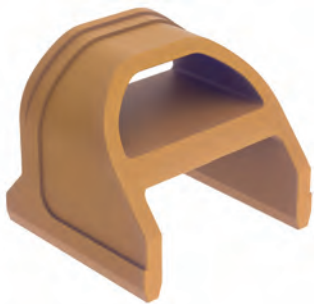
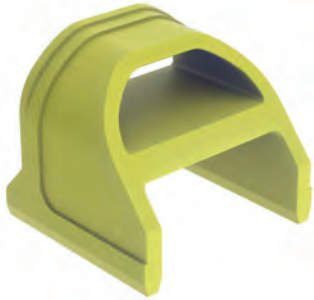
Characteristics

- Produced of concrete
- Size: bottom part 250x250 mm, top part 200x200 mm, height 300 mm
- There is drilled hole in the middle, used for assembling of steel posts with diameter 40 mm
- Security pin included (used for securing against theft)



clip table

description	characteristics
Plate small 105x100 mm	red, blue, yellow
Plate big 105x150 mm	red, blue, yellow
Signs	red, blue, yellow 0-9, A, H, K, N, P, R, S, V, X, znak receiver/sand cather
Back wall of plate, small 105x100 mm	black
Back wall of plate, big 105x150 mm	black
Steel post – 2000x40 mm, 3000x40 mm	blue-white, red-white, brown-white
Concrete stand	
Assembling set	included plastic socket and bolts



Manhole steps

FOR CATALOGUE NUMBER SEE TABLE

Application

- Designed for water meter manholes
- Plastic manhole steps are applicable for welding of (yellow) PE or (orange) PP plate and these are creating safety and stable steps for the movement of persons.

Characteristics

- Yellow manhole steps are designed of material PE – HD LITEN MB 71, color according RAL 1016
- Orange manhole steps are designed of material PP – MOSTEN MA 230, color according RAL 2008

Packing details

- Manhole steps are packed and delivered in boxes

	catalogue No.
Yellow manhole steps	TJ02032000000
Orange manhole steps	TJ02034000000

