puteus

water in motion

3 Garden hose fittings + valves

Validity date September 2026

puteus

How to find us? **How to reach us?**

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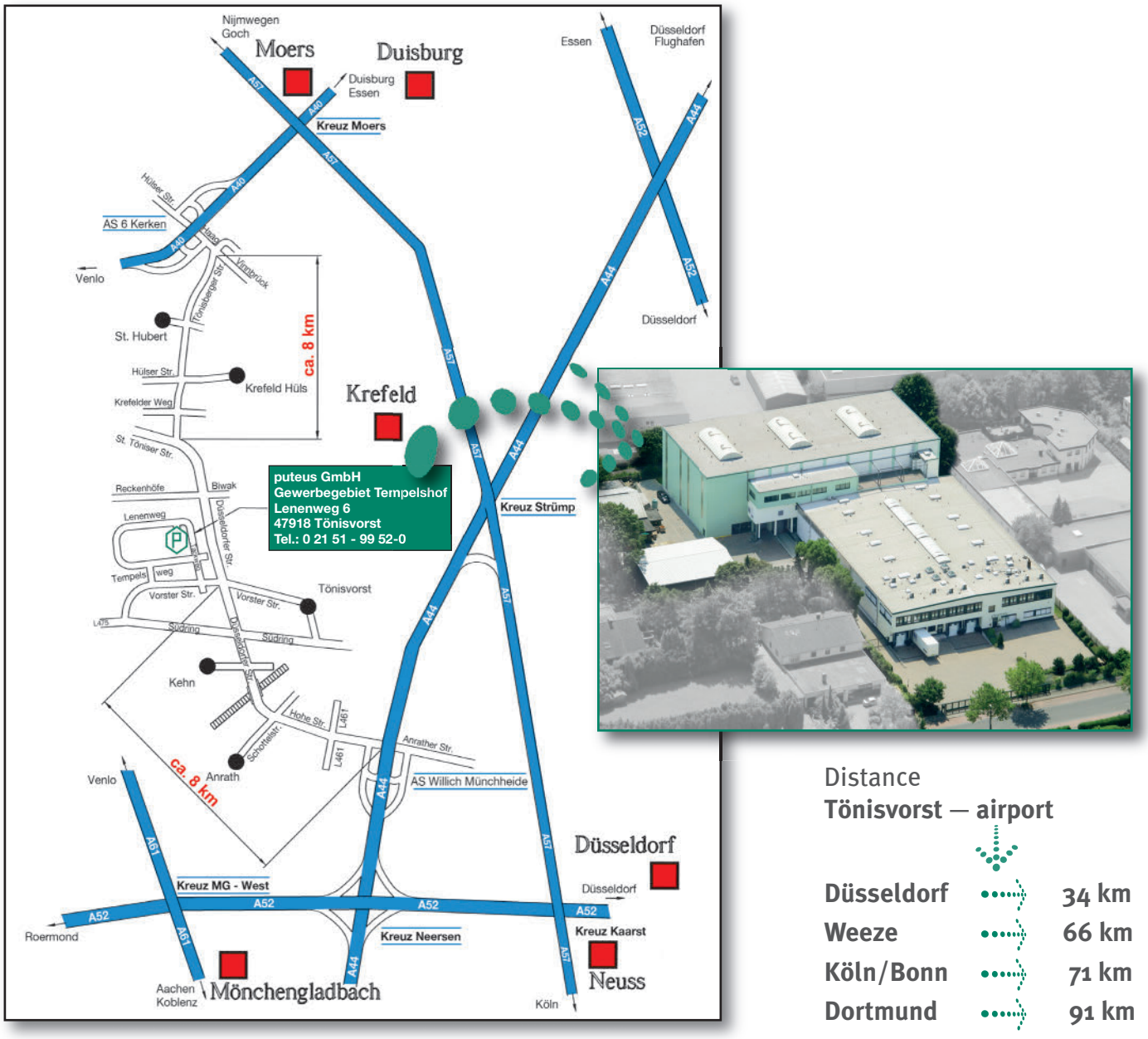

Distance
Tönisvorst — airport

Düsseldorf	**34 km**
Weeze	**66 km**
Köln/Bonn	**71 km**
Dortmund	**91 km**

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Puteus GmbH, a manufacturing and distributing company, was founded in 1979 by the parents of the present share holders. Puteus experienced a rapid development - from a supplier for products of the gardening and irrigation sector to a large range of the heating, plumbing- and garden components.

The company is based in Tönisvorst

The high-bay warehouse

Our modern warehouse with a capacity of 10.000 pallets and a picking area for further 3.000 pallets allows short delivery times.

In addition to our standard product range we also design and manufacture lots of OEM products for the sanitary and heating industries in production sites spread all over the world. Many of our products meet the different requirements and regulations, e.g. DVGW, PA-certificates, KIWA, ACS or SVGW.

Qualified employees in all areas of the company use their skills to satisfy your individual needs – from the standard fitting to the construction of customer-specific items.

In our German production sites we own different production lines, electroplating and modern robot plants, tool- and mould making as well as turnery and metalwork departments.

... we supply individually and promptly.

Whether the customer orders full pallet units ...

... or wishes smaller packing units ...

Ready for shipment.

The owner-managed family company **puteus GmbH** was the starting point for a group of companies of, today, about 250 employees. It has set itself the target of combining optimal quality and service and – at the same time – responding flexibly and promptly to the changes in the market. We are distinguished both by continuous development of knowledge and quality improvements of our products that are in the interest of our customers as well as commitment and curiosity for what is new and feasible.

www.puteus.de • www.eine-starke-gruppe.de

These following companies also belong to the de Gruyter-Stach-Group

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Commercial register entry:
AG Siegen | HRA 8076 | UST-IDNR DE 814 779 086 | Sitz Olpe
CEO: Henning de Gruyter | Olaf Stach

Water and heating connection valves
bib taps · appliance connection fittings
heating fittings · water meters
state-certified calibration unit for water meters

▶ Heinrich Schulte GmbH & Co. KG

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Commercial register entry:
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UST-IDNR DE 233 202 839 | Sitz Iserlohn
CEO: Henning de Gruyter | Olaf Stach

Exclusive sanitary taps and mixers

▶ Heinrich Schulte GmbH & Co. KG

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Commercial register entry:
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UST-IDNR DE 233 202 839 | Sitz Iserlohn
CEO: Henning de Gruyter | Olaf Stach

Exclusive sanitary taps and mixers

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3

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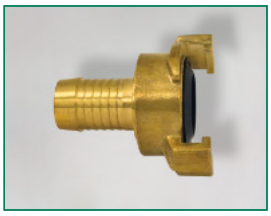
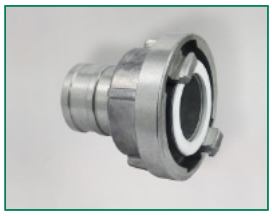

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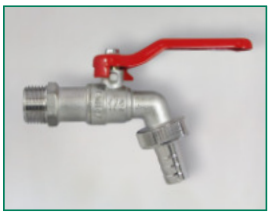

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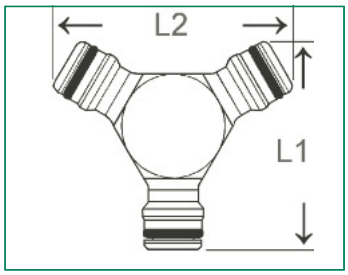
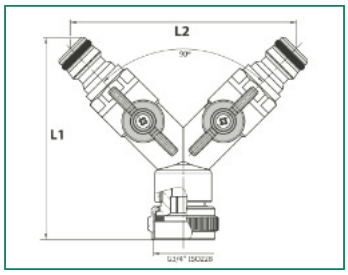
3-way coupling, brass quick-connector system



All pages plug-in coupling

Item-No.: plain	Item-No.: chrome-plated	Length: L1	L2	Packing unit:
33052 0	33057 5	62	72	10/110

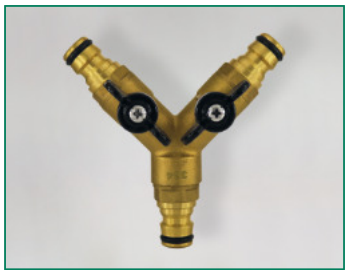
Twin tap connector for 2 operating watering accessoires, brass quick-connector

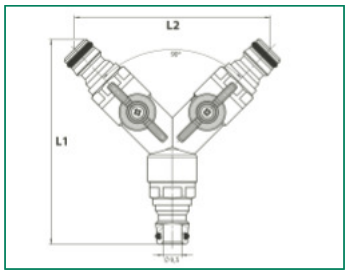


1 x female thread, 2 x couplings

Item-No.: plain	Item-No.: chrome-plated	Connect.:	Length: L1	L2	Packing unit:
53312 9	53317 4	3/4" IG	90	99,5	2/40

Twin tap connector for 2 operating watering accessoires, brass quick-connector





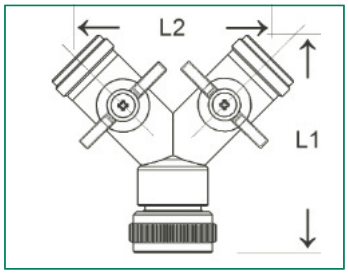
3 x couplings

Item-No.: plain	Item-No.: chrome-plated	Length: L1	L2	Packing unit:
53313 6	53318 1	104	99,5	2/40

Y-connecter with two ball valves, brass

Disposals individually lockable by ball valves, 2 x male threads, 1 x female threaded

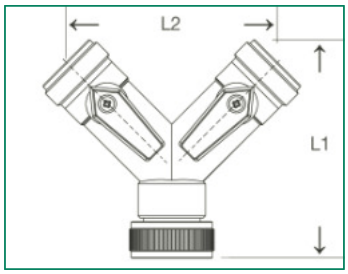
Item-No.: plain	Item-No.: chrome-plated	Connec.:	Length: L1	Length: L2	Packing unit:
53302 2	53307 5	3/4"	78	70	6/48



Y-connecter with two ball valves, brass

Disposals individually lockable by ball valves, 2 x male threads, 1 x female threaded

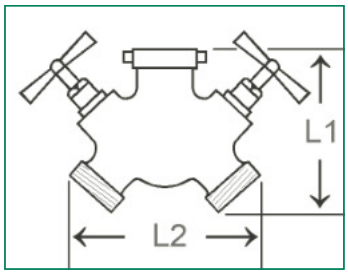
Item-No.: plain	Item-No.: chrome-plated	Connec.:	Length: L1	Length: L2	Packing unit:
53302-1"		1"	95	112	2/20



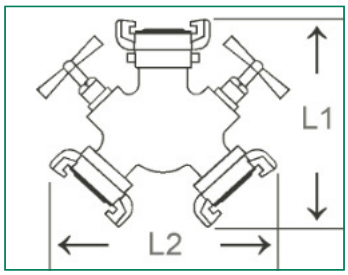
Y-connector with two valve bonnets, brass

Input 3/4" female threaded union nut (rotatable), two outlets 3/4" male threads, disposals individually lockable by valve bonnets

Item-No.:	Connection:	Length: L1	Length: L2	Packing unit:
34995 9	3/4"	73	75	5/30



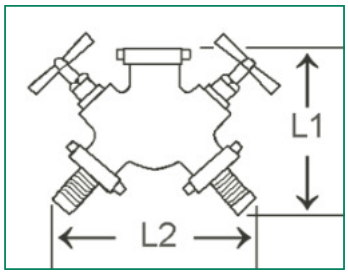
Y-connector with express couplings, brass



With hose connector, disposals individually lockable by upper valve parts

Item-No.:	Nominal diameter	Length:		Pack. unit:
		L1	L2	
34996 6	15	124	123	5/60

Y-connector with two valve bonnets and two hose tails, brass

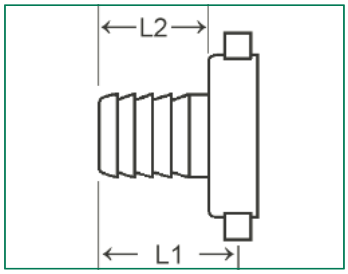


With hose tails, disposals individually lockable, rotatable connection thread 3/4" female thread

Item-No.:	Connection:	Length:		Packing unit:
		L1	L2	
34994 2	1/2"	100	115	5/60

2/3 hose connector, brass

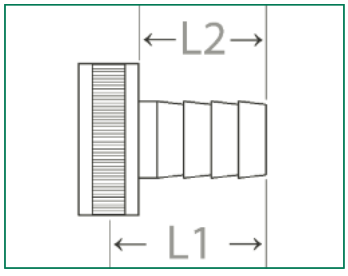
Item-No.: plain	Item-No.: chrome-plated	Spout:	Thread:	Length: L1	Length: L2	Packing unit: plain	Packing unit: chrome-plated	Replace. seal NBR P. u.: 100
34110 6	-	3/8"	3/8"	34	22	25/550	-	33920-KTW
34100 7	35100 6	3/8"	1/2"	35	23,5	25/550	25/450	-
34125 0	35125 9	3/8"	3/4"	35,5	23,3	25/350	25/350	34125-KTW
34101 4	35101 3	1/2"	3/4"	36	23,8	25/350	25/350	33921-KTW
34107 6	-	5/8"	1/2"	36	24,5	25/400	-	33927-KTW
34106 9	-	5/8"	3/4"	37,8	25,6	25/400	-	33926-KTW
34102 1	35102 0	3/4"	1"	39,5	26,5	25/250	25/200	33922-KTW
34103 8	-	1"	1 ¼"	53	35	10/120	-	33923-KTW
34104 5	-	1 ¼"	1 ½"	59,5	40	10/ 60	-	33924-KTW
34111 3	35111 2	1/2"	1/2"	36	24,5	25/400	25/400	33931-KTW
34112 0	35112 9	3/4"	3/4"	39,5	27,3	25/350	25/300	33932-KTW
34113 7	35113 6	1"	1"	45,5	32,5	25/150	-	33933-KTW
34114 4	-	1 ¼"	1 ¼"	58	40	10/ 70	-	34114-KTW
34115 1	-	1 ½"	1 ½"	63	43,5	10/ 70	-	34115-KTW
34105 2	-	1 ½"	2"	85,5	60	10/ 50	-	-
34116 8	-	2"	2"	84,5	59	5/ 30	-	34116-KTW
34121 2	35121 1	1/2"	1"	41,5	28,5	25/200	25/200	34121-KTW
34122 9	-	1/2"	1 ¼"	41,5	23,5	-/-		34122-KTW



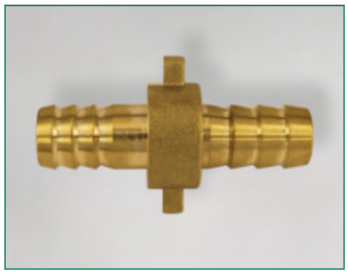
Female hosetails with knurled nut

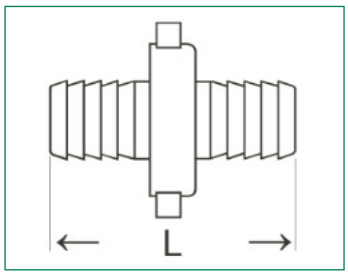
For use in the sanitary area

Item-No.:	Spout:	Thread:	Length: L1	Length: L2	Packing unit:
2-pieces, brass sheet, chrome-plated, with knurled nut					
35081-K taper joint	1/2"	3/4"	31,5	22,5	50/ 600
35082-K taper joint	3/4"	1"	33,5	23,5	50/ 900
2-pieces, plastic, chrome-plated, with knurled nut					
35081-KU with O-ring	1/2"	3/4"	34,3	23,3	50/1000
35082-KU flat joint	3/4"	1"	33,5	22,5	50/ 900
2-pieces, forged brass, chrome-plated, with knurled nut					
35081 8 flat joint	1/2"	3/4"	31,5	22,5	50/ 600
35082 5 flat joint	3/4"	1"	33,5	23,5	50/ 900
35119 8 flat joint	1/2"	M22/1	34,5	23	25/ 400
2-pieces, brass sheet, plain, with knurled nut					
35081-K-52141	1/2"	3/4"	31,5	22,5	50/1500
35082-K-52142	3/4"	1"	33,5	23,5	50/ 900
2-pieces, plastic, plain, with knurled nut					
35081-KU-52141	1/2"	3/4"	31,5	22,5	50/1500
35082-KU-52142	3/4"	1"	33,5	23,5	50/ 900



3/3 hose connector, brass

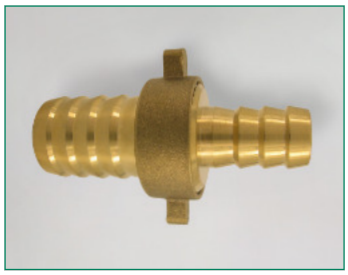


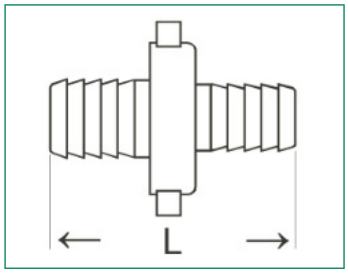


Flat sealing, including NBR seal, hot-pressed

Item-No.:	Conn.: Spout	Conn.: Thread	Length: L	Pack. unit:
34131 1	1/2"	3/4"	60	25/250
34180 9	3/8"	1/2"	56,5	10/250
34137 3	5/8"	1/2"	60	25/250
34136 6	5/8"	3/4"	66	25/200
34132 8	3/4"	1"	69	25/125
34133 5	1"	1 ¼"	86	10/ 60
34134 2	1 ¼"	1 ½"	105	4/ 40
34181 6	1/2"	1/2"	60	25/250
34182 3	3/4"	3/4"	66,5	25/150
34183 0	1"	1"	51	10/100
34184 7	1 ¼"	1 ¼"	101	10/ 50
34185 4	1 ½"	1 ½"	109,5	5/ 40

3/3 hose connector, brass, reduced





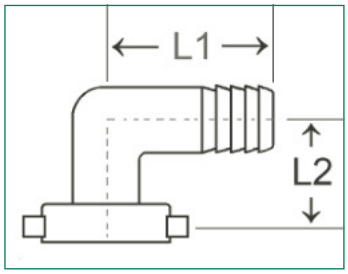
Flat sealing, including NBR seal, hot-pressed

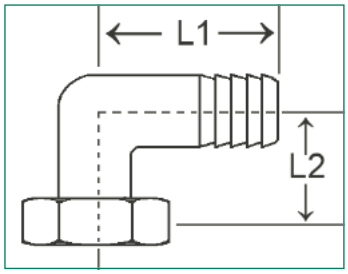
Item-No.:	Conn.: Spout	Conn.: Thread	Length: L	Pack. unit:
34130 4	3/4" x 1/2"	3/4"	64	25/200

2/3 elbow hose connector, brass

Flat sealing, including NBR seal, hot-pressed

Item-No.: plain	Item-No.: chrome pl.	Conn.: Spout	Conn.: Thread	Length: L1	Length: L2	Pack. unit: plain	Pack. unit: chrome pl.
34190 8	35190 7	3/8"	1/2"	41,25	25,75	25/300	-
34196 0	35196 9	3/8"	3/4"	41,25	28,75	25/ 250	25/200
34191 5	35191 4	1/2"	3/4"	41,25	25,75	25/ 250	-
34192 2		3/4"	1"	48,25	25,75	25/ 150	-
34195 3		1/2"	1/2"	43,75	28,75	25/300	-
as before, but with hexagon nut							
34193 9		3/8"	1/2"	41,25	28,75	25/300	-

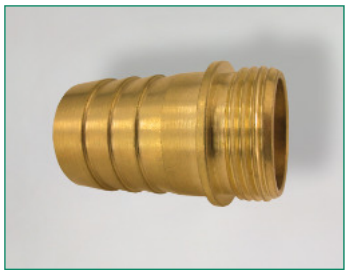


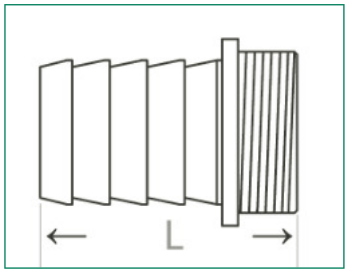


1/3 Male hose connector, brass

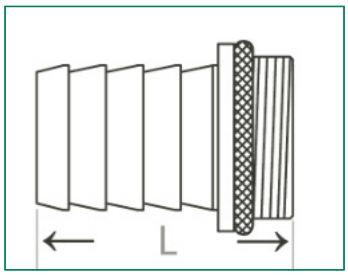
Brass, hot-pressed, beaded without O-ring

Item-No.:	Connection: Spout	Connection: Male thread	Length: L	Pack. unit:
34169 4	1"	3/4"	45	25/250





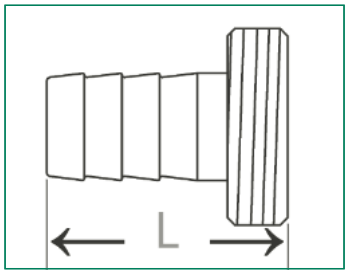
1/3 male hose connector with bead and NBR-O-ring, brass



Including NBR seal, hot-pressed

Item-No.:	Connection: Spout	Connec.: Thread	Length: L	Packing unit:	Item-No.: Replacement-O-ring Pack. unit: 100
34161 8	1/2"	3/4"	36	25/400	-
34160 1	1/2"	1"	38	25/250	-
34162 5	3/4"	1"	41	25/300	-
34163 2	1"	1 ¼"	47	25/ 150	-
34164 9	1 ¼"	1 ½"	55,5	10/ 110	-
34171 7	1/2"	1/2"	32	25/650	33941 7
34172 4	3/4"	3/4"	40	25/350	33942 4
34173 1	1"	1"	46	25/250	33943 1
34174 8	1 ¼"	1 ¼"	55,5	10/ 150	33944 8
34175 5	1 ½"	1 ½"	60	9/ 90	-
34176 2	2"	2"	78	4/ 40	-

1/3 Male hose connector, brass

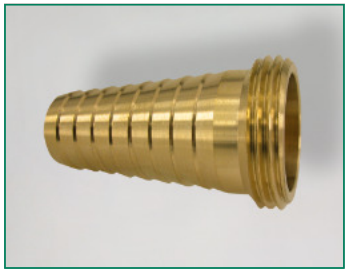


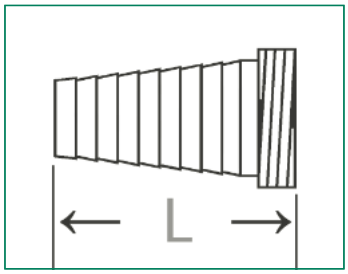
Brass, hot-pressed

Item-No.:	Connection: spout	Connection: male thread	Length: L	Packing unit:
34141 0	1/2"	3/4"	31	25/ 600
34140 2	3/8"	1/2"	30	50/1000
34147 2	5/8"	1/2"	30	25/ 700
34146 5	5/8"	3/4"	34,7	25/ 500
34142 7	3/4"	1"	36	25/ 300
34143 4	1"	1 ¼"	43	10/ 160
34144 1	1 ¼"	1 ½"	54	10/ 100
34151 9	1/2"	1/2"	30	25/ 700
34152 6	3/4"	3/4"	34	25/ 400
34153 3	1"	1"	43	25/ 200
34154 0	1 ¼"	1 ¼"	54	10/ 130
34155 7	1 ½"	1 ½"	58	10/ 80

1/3 Conical male hose tail, brass

Item-No.:	Connection: spout	Connection: thread	Length: L	Packing unit:
34985 0	5/8" - 3/4"	3/4"	46	25/550

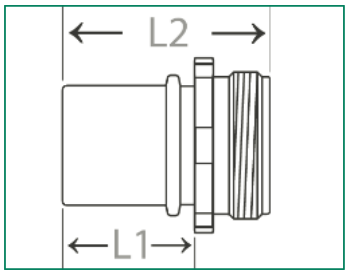




1/3 Male hose tail for bowl clamp fixing, brass

Hot-pressed, cylindrical male thread

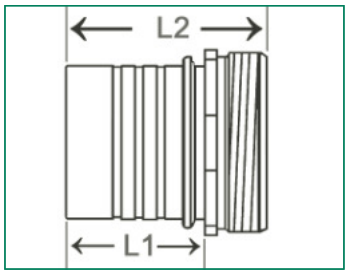
Item-No.: plain	Connect.: spout	Connect.: male	Length: L1	L2	Packing unit:
34762 7	3/4"	G3/4"	42	62,5	25/100
34763 4	1"	G1"	42	63	10/ 90
34764 1	1 ¼"	G1 ¼"	42	70	10/ 60
34765 8	1 ½"	G1 ½"	42	66	10/ 50
34766 5	2"	G2"	50	78	4/ 40
34768 9	3"	G3"	68	98	2/ 18
34769 6	4"	G4"	96	142	1/ 8
Flattened hooks:					
34769-11475	4"	G4"	96	142	1/ 8



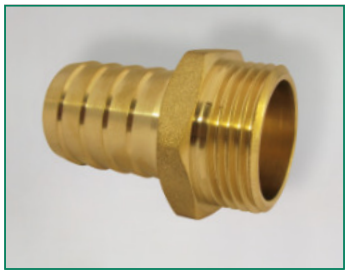
Hose tail for bowl clamp fixing, stainless steel

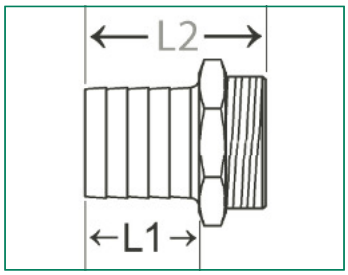
Cylindrical male thread

Item-No.: stainless steel 1.4401	Connect.: spout	Connect.: male	Length: L1	L2	Packing unit:
34766-1.4401	2"	G2"	50	78	4/48
34768-1.4401	3"	G3"	68	98	2/24
34769-1.4401	4"	G4"	96	142	1/ 12



1/3 Male hose tail, brass



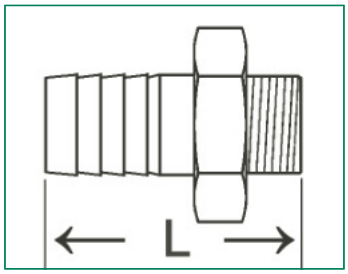


Hot-pressed, plain, clamp fixing, male thread

Item-No.:	Connec.:		Connec.:	Length:		Packing unit:
plain	spout	mm	male thr.	L1	L2	
34321 6	1/4"	6	1/4"	25	39	50/1000
34327 8	1/4"	6	1/2"	25	42	25/1000
34323 0	-	8	1/4"	25	39	50/ 750
34325 4	-	8	3/8"	25	39	25/1000
34322 3	-	8	1/2"	25	43	25/1000
34330 8	3/8"	10	1/4"	25	39	50/ 850
34350 6	3/8"	10	3/8"	25	39	25/ 700
34340 7	3/8"	10	1/2"	25	42	25/ 400
34331 5	1/2"	13	3/8"	30	44	25/ 500
34351 3	1/2"	13	1/2"	30	47	25/ 400
34341 4	1/2"	13	3/4"	25	44	25/ 250
34329 2	5/8"	16	1/2"	30	47	25/ 400
34332 2	3/4"	19	1/2"	30	47	25/ 350
34352 0	3/4"	19,5	3/4"	30	49	25/ 200
34342 1	3/4"	19	1"	30	50	25/ 150
34333-10848	1"	25	3/4"	35	50	25/ 250
34353 7	1"	25,5	1"	35	56	25/ 150
34343 8	1"	25	1 ¼"	35	55	10/ 80
34334-10848	1 ¼"	32	1"	38,5	55	25/ 250
34354 4	1 ¼"	32	1 ¼"	39	59	10/ 70
34355 1	1 ½"	40	1 ½"	47	71	4/ 48
34366 7	2"	51	2"	54	80	4/ 32
34356-VD	2"	50	2"	69,6	93	4/ 32
34357 5	2 ½"	64,5	2 ½"	64	91	4/ 24
34358 2	3"	76	3"	74	111	2/ 24
34358-VD	3"	-	3"	87	114	2/ 12
34359 9	4"	102	4"	100	140	1/ 8

Male hose tail, stainless steel

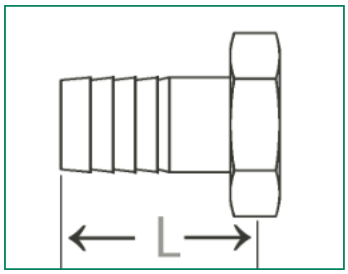
Stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, clamp fixation, hexagon head, male thread



Item-No.:	Item-No.:	Thread:	Length: L	Packing unit:
34350-1.4301	34350-1.4401	3/8" x G3/8"	-	-
34351-1.4301	34351-1.4401	1/2" x G1/2"	-	-
34352-1.4301	34352-1.4401	3/4" x G3/4"	-	-
34353-1.4301	34353-1.4401	1" x G1"	-	-
34354-1.4301	34354-1.4401	1 ¼" x G1 ¼"	-	-
34355-1.4301	34355-1.4401	1 ½" x G1 ½"	-	-
34356-1.4301	34356-1.4401	2" x G2"	-	-
34357-1.4301	34357-1.4401	2 ½" x G2 ½"	-	-
34358-1.4301	34358-1.4401	3" x G3"	-	-
34359-1.4301	34359-1.4401	4" x G4"	-	-

Female hose tail, brass, 1 part

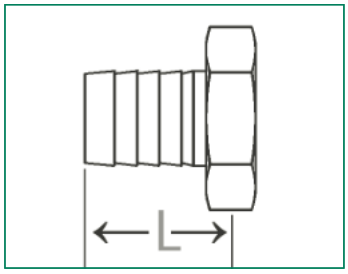
Hot-pressed, plain, clamp fixation, hexagon head, female thread



Item-No.:	Connection:	Length: L	Packing unit:
34961 4	Ø 13 mm x 1/2"	40	25/500
34962 1	Ø 20 mm x 3/4"	45	25/250
34963 8	Ø 25 mm x 1"	51,5	25/200
34964 5	Ø 32 mm x 1 ¼"	58	10/100
34965 2	Ø 40 mm x 1 ½"	60	5/120

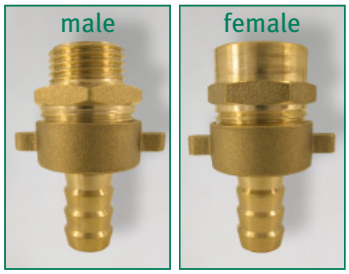
2/3 Female hose tail, brass

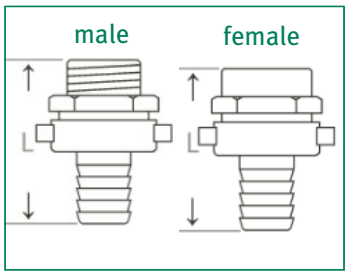
With non-removable hexagon nut



Item-No.:	Connection:	Thread:	Length: L	Packing unit:
34399 5	5/8"	1/2"	41	25/400
34392 6	3/4"	3/4"	45	25/250
34393 3	1"	1"	50	25/150
With removable hexagon nut, 2-pieces				
34751 1	1/2"	1/2"	36,5	25/500
34752 8	3/4"	3/4"	41	25/250

3/3 Standpipe fittings, brass

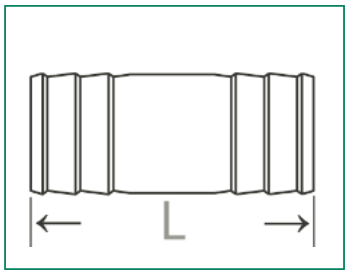




3-pieces, flat sealing, including NBR seal

Item-No.: male	Item-No.: female	Spout:	Con.-thread:	Basic-thread:	Length: L/m	Length: L/f	Packing unit: male	Packing unit: female
34371 1	34381 0	1/2"	1/2"	3/4"	55,5	54	25/200	25/150
34372 8	34382 7	3/4"	3/4"	1"	60	59	25/100	10/100
34373 5	34383 4	1"	1"	1 ¼"	74	53,5	10/ 60	10/ 60
34374 2	34384 1	1 ¼"	1 ¼"	1 ½"	86	72	10/ 40	-
34375 9	34385 8	1 ½"	1 ½"	1 ½"	114	116	5/ 20	10/ 20
34376 6	-	2"	2"	2"	120	-	10/ 40	-

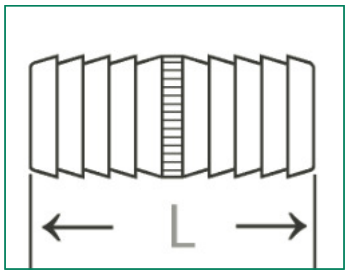
Hose connector, brass



Brass sheet, light duty

Item-No.:	Connection:	Length:	Packing unit:
34090 1	3/8"	50	100/1500
34091 8	1/2"	50	50/ 700
34092 5	3/4"	50	25/ 350
34093 2	1"	60	25/ 175

Hose connector, brass



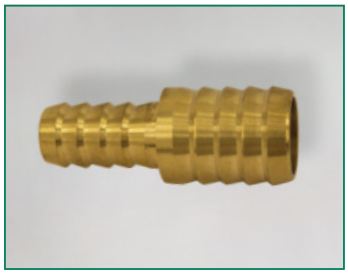
Solid brass

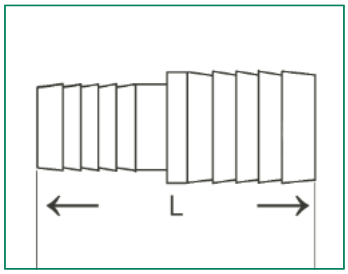
Item-No.:	Connection:	Length:	Packing unit:
34300 1	3/8"	47	50/1000
34301 8	1/2"	48	25/ 650
34309 4	5/8"	49	25/ 450
34302 5	3/4"	53	25/ 350
34303 2	1"	58	25/ 200
34304 9	1 ¼"	63	10/ 140
34305 6	1 ½"	84	10/ 60
34306 3	2"	90	10/ 40

Hose connector, brass

Solid brass, reduced

Item-No.:	Connection:	Length:	Packing unit:
34311 7	1/2" x 3/4"	55	25/350

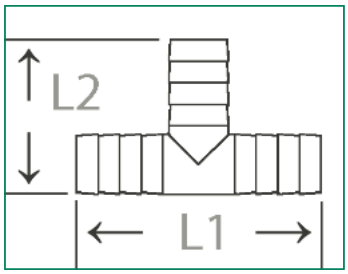




T-hose connector (90°), brass

Solid brass

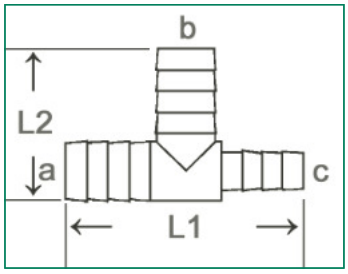
Item-No.:	Connection:	Length:		Packing unit:
		L1	L2	
34290 5	3/8"	-	-	25/700
34291 2	1/2"	68	43	25/200
34299 8	5/8"	68	43	25/200
34292 9	3/4"	70	44,5	25/150
34293 6	1"	78	52	10/-



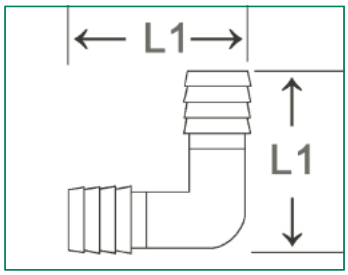
T-hose connector (90°), brass, reducing

Solid brass

Item-No.:	Connection:	Length:		Packing unit:
	a/b/c	L1	L2	
S-2466	13 x 10 x 13 mm	-	-	-/-
S-2533	13 x 13 x 10 mm	-	-	25/350



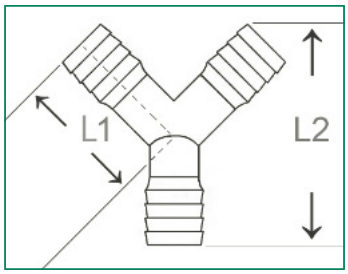
Angle hose connector, brass



Solid brass

Item-No.:	Connection:	Length: L1	Packing unit:
S-2379	3/8" x 90°	35	25/500
S-2380	1/2" x 90°	38	25/500
S-2381	3/4" x 90°	47	25/250
S-2382	1" x 90°	55	10/150

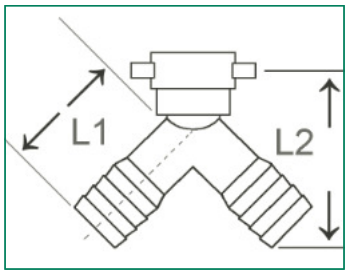
Y-hose connector (120°), brass



Solid brass

Item-No.:	Connection:	Length: L1	Length: L2	Packing unit:
34982 9	5/8"	48	80	25/150
34983 6	3/4"	48	80	10/100

Y-connector, brass

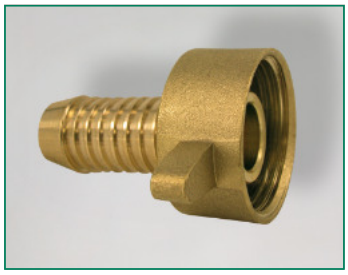


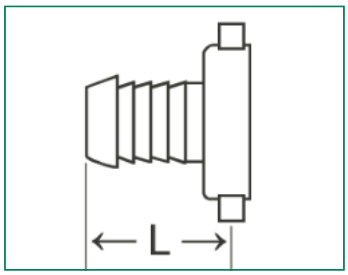
with 2 spouts and union nut

Item-No.:	Connection: spout	Connection: union nut	Length: L1	Length: L2	Packing unit:
34986 7	5/8"	3/4"	48	67,5	25/100
34987 4	3/4"	3/4"	48	67,5	10/ 90

Heavy female hose tail, brass

2-pieces, plain, hot-pressed, heavy version, flat sealing including NBR seal, extended spout with hightened end rib for better fit of the hose

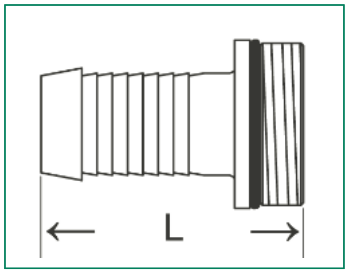




Item-No.:	Connec. spout:	Connec. thread:	Length: L	Packing unit:
34010 9	3/8"	1/2"	38	25/350
34011 9	1/2"	3/4"	43,5	25/250
34012 3	3/4"	1"	52	25/150
34013 0	1"	1 ¼"	62	10/100
34018 5	3/8"	3/4"	38,5	25/350
34019 2	5/8"	3/4"	39	25/500
34021 5	1/2"	1/2"	45	25/700
34022 2	3/4"	3/4"	50	25/200
34023 9	1"	1"	55,5	10/180
34028 4	1/2"	1"	43	25/350
34029 1	3/4"	1 ¼"	42	10/150

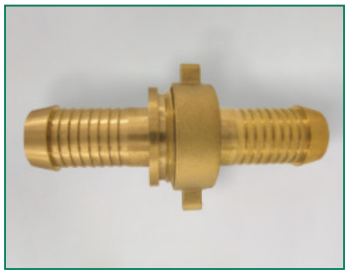
Heavy male hose tail, brass

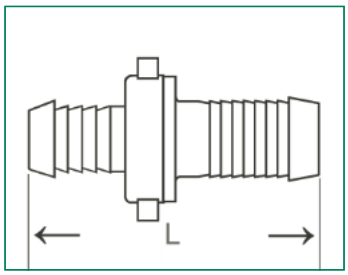
1-piece, brass hot-pressed, heavy version, flat sealing including NBR seal, extended spout with hightened end rib for better fit of the hose



Item-No.:	Connec. spout:	Connec. thread:	Length: L	Packing unit:
34030 7	3/8"	1/2"	40	25/500
34031 4	1/2"	3/4"	45	25/500
34032 1	3/4"	1"	48,5	25/300
34033 8	1"	1 ¼"	57	10/150
34039 0	5/8"	3/4"	-	25/500
34041 3	1/2"	1/2"	-	25/700
34042 0	3/4"	3/4"	51	25/200
34043 7	1"	1"	57	25/150
34048 2	1/2"	1"	45	25/350
34049 9	3/4"	1 ¼"	-	10/350

3/3 Hose tail, brass

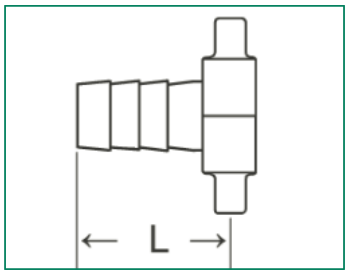




3-pieces, brass hot-pressed, heavy version, flat sealing including NBR seal, extended spouts with hightened end rib for better fit of the hose

Item-No.:	Connec. spout:	Connec. thread:	Length: L	Packing unit:
34050 5	3/8"	1/2"	-	25/200
34051 2	1/2"	3/4"	-	25/200
34052 9	3/4"	1"	98	25/ 150
34053 6	1"	1 ¼"	-	10/ 10
34058 1	5/8"	3/4"	-	20/ 20

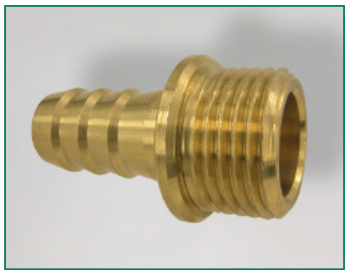
Female hose tail, model „SWISS“, brass

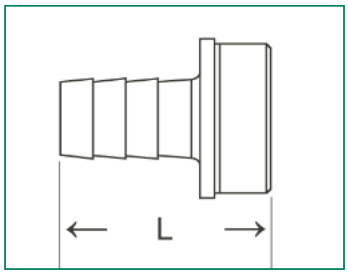


2-pieces, conduit fitting with hexagon nut cam, plain brass, hot-pressed, heavy version, flat sealing, extended hose with hightened end rib for better fit of the hose

Item-No.:	Connection: (spout x F thread)	Length: L	Packing unit:	Replacement seal:
34702 3	13 mm (1/2") x 3/4"	42,5	25/250	34717 7
34705 4	16 mm (5/8") x 1/2"	39	25/300	34716 0
34706 1	16 mm (5/8") x 3/4"	37	25/200	34717 7
34711 5	13 mm (1/2") x 1/2"	43	25/300	34716 0
34712 2	19 mm (3/4") x 3/4"	39,5	25/250	34717 7
34707 8	16 mm (5/8") x 1"	45	25/ 150	-
34713 9	19 mm (3/4") x 1"	45	25/ 150	-

Male hose tail, model „SWISS“, brass





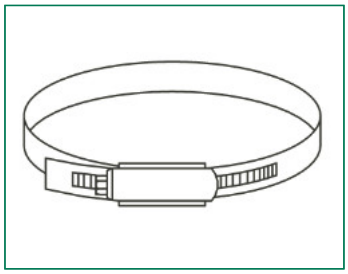
Plain brass

Item-No.:	Connection: (spout x male thread)	Length: L	Packing unit:
34722 1	13 mm (1/2") x 3/4"	41	25/300
34728 3	16 mm (5/8") x 1/2"	41	25/350
34729 0	16 mm (5/8") x 3/4"	46	25/300
34731 3	13 mm (1/2") x 1/2"	44	25/350
34732 0	19 mm (3/4") x 3/4"	45	25/250
34727 6	16 mm (5/8") x 1"	45	25/200
34723 87	19 mm (3/4") x 1"	45	25/200

Hose clamps 9 mm (W1)

Made of galvanized steel to DIN 3017, bandwidth 9 mm, wrench size 7 mm

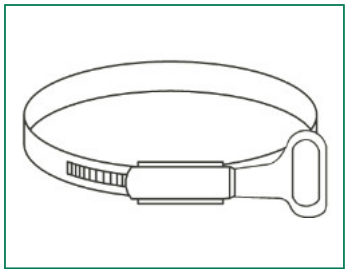
Item-No.:	Clamping range:	Packing unit:
34210 3	8 - 12 mm	100/1000
34216 5	8 - 16 mm	100/2000
34200 4	10 - 16 mm	100/1000
34201 1	12 - 22 mm	100/ 600
34202 8	16 - 27 mm	100/ 600
34203 5	20 - 32 mm	100/ 600
34204 2	25 - 40 mm	100/ 600
34205 9	35 - 50 mm	100/ 400
34206 6	40 - 60 mm	50/ 400
34211 0	50 - 70 mm	50/ 400
34207 3	60 - 80 mm	50/ 400
34239 4	60 - 170 mm	-/-
34208 0	70 - 90 mm	50/ 400
34209 7	80 - 100 mm	50/ 400
27080 2	80 - 130 mm	20/ 300
34212 7	90 - 110 mm	20/ 300
34213 4	100 - 120 mm	20/ 300
34215 8	110 - 130 mm	20/ 300
34218 9	120 - 140 mm	20/ 360
34219 6	130 - 150 mm	10/ 300
34214 1	140 - 160 mm	20/ 300
27081 9	150 - 170 mm	20/ 200
34217 2	160 - 180 mm	10/ 300
34220 2	190 - 210 mm	10/ 100



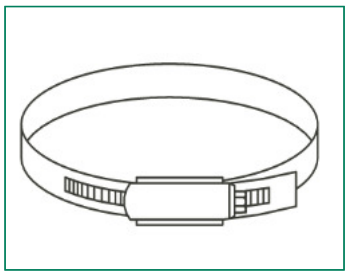
Hose clamps 9 mm (W1) with blue wing screw

Made of galvanized steel to DIN 3017, bandwidth 9 mm

Item-No.:	Clamping range:	Packing unit:
34200-Knebel	10 - 16 mm	1000
34202-Knebel	16 - 27 mm	800



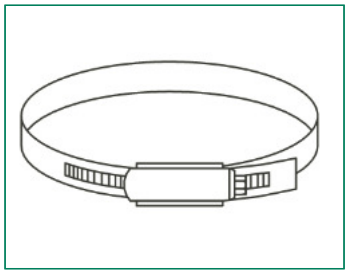
Hose clamps 12 mm (W1)



Made of galvanized steel, in accordance with DIN 3017, bandwidth 12 mm

Item-No.:	Clamping range:	Packing unit:
34221 9	12 - 22 mm	100/600
34222 6	16 - 27 mm	100/600
34223 3	20 - 32 mm	100/600
34224 0	25 - 40 mm	100/400
34225 7	35 - 50 mm	100/400
34226 4	40 - 60 mm	50/400
34227 1	50 - 70 mm	50/400
34228 8	60 - 80 mm	50/200
34229 5	70 - 90 mm	25/200
34230 1	80 - 100 mm	25/200
34237 0	90 - 110 mm	-/-
34231 8	100 - 120 mm	20/200
34235 6	140 - 160 mm	10/200
34236 3	160 - 180 mm	10/100

Stainless steel hose clamps 9 mm (W2)

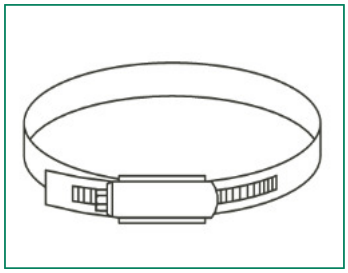


Band and housing made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, zinc plated steel screw, bandwidth 9 mm

Item-No.:	Clamping range:	Packing unit:
34240 0	8 - 12 mm	100/1000
34241 7	10 - 16 mm	100/1000
34242 4	12 - 22 mm	100/600
34243 1	16 - 27 mm	100/600
34244 8	20 - 32 mm	100/600
34245 5	25 - 40 mm	100/600
34246 2	35 - 50 mm	100/400
34247 9	40 - 60 mm	50/400
34248 6	50 - 70 mm	50/400
34249 3	60 - 80 mm	50/400
34259 2	60 - 215 mm	-/-
34250 9	70 - 90 mm	50/400
34251 6	80 - 100 mm	50/400
34252 3	100 - 120 mm	20/300

Stainless steel hose clamps 12 mm (W2)

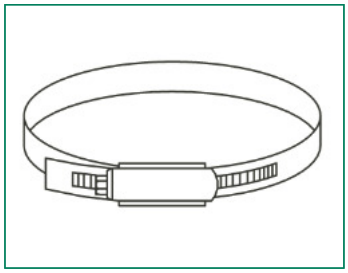
Band and housing made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, zinc plated steel screw, bandwidth 12 mm



Item-No.:	Clamping range:	Packing unit:
34263 9	16 - 27 mm	100/600
34264 6	20 - 32 mm	100/600
34265 3	25 - 40 mm	100/400
34275 2	30 - 45 mm	-/-
34266 0	35 - 50 mm	100/400
34267 7	40 - 60 mm	50/400
34268 4	50 - 70 mm	50/400
34269 1	60 - 80 mm	50/200
34270 7	70 - 90 mm	25/200
34271 4	80 - 100 mm	25/200
34276 9	90 - 110 mm	10/300
34272 1	100 - 120 mm	10/300
34277 6	110 - 130 mm	20/200
34273 8	120 - 140 mm	-/-
34274 5	140 - 160 mm	-/-
34278 3	160 - 180 mm	10/100
34279 0	200 - 220 mm	10/100

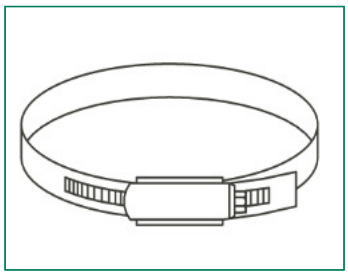
Stainless steel hose clamps 9 mm (W4)

Band, housing and screw made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, bandwidth 9 mm



Item-No.:	Clamping range:	Packing unit:
35210 2	8 - 12 mm	100/1000
35216 4	8 - 16 mm	100/2000
35200 3	10 - 16 mm	100/1000
35201 0	12 - 22 mm	100/ 600
35202 7	16 - 27 mm	100/ 600
35203 4	20 - 32 mm	100/ 600
35204 1	25 - 40 mm	100/ 600
35213 3	30 - 45 mm	-/-
35205 8	35 - 50 mm	100/ 800
35206 5	40 - 60 mm	50/ 400
35211 9	50 - 70 mm	50/ 400
35207 2	60 - 80 mm	50/ 400
35208 9	70 - 90 mm	50/ 400
35209 6	80 - 100 mm	50/ 400
35212 6	90 - 110 mm	20/ 300

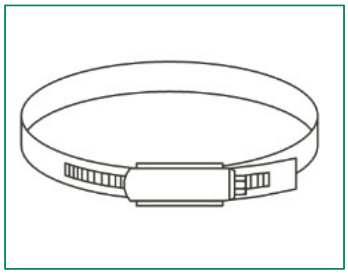
Stainless steel hose clamps 12 mm (W4)



Band, housing and screw made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, bandwidth 12 mm

Item-No.:	Clamping range:	Packing unit:
34281 3	12 - 22 mm	100/600
34282 0	16 - 25 mm	100/600
34283 7	20 - 32 mm	100/600
34284 4	25 - 40 mm	100/400
34285 1	35 - 50 mm	100/400
34286 8	40 - 60 mm	50/400
34288 2	70 - 90 mm	25/200
34289 9	80 - 100 mm	25/200
27310 0	60 - 80 mm	50/200
27312 4	100 - 120 mm	20/200
27311 7	110 - 130 mm	10/200
27318 6	160 - 180 mm	10/ 100

Stainless steel hose clamps 9 mm (W5)

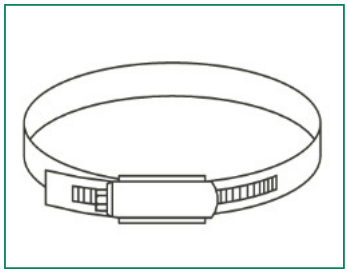


Band, housing and screw made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, bandwidth 9 mm

Item-No.:	Clamping range:	Packing unit:
27200 4	8 - 12 mm	100/1000
27201 1	8 - 16 mm	100/1000
27202 8	10 - 16 mm	100/1000
27203 5	12 - 22 mm	100/ 600
27204 2	16 - 27 mm	100/ 600
27205 9	20 - 32 mm	100/ 600
27206 6	25 - 40 mm	100/ 600
27207 3	35 - 50 mm	100/ 400
27208 0	40 - 60 mm	50/ 400
27209 7	50 - 70 mm	50/ 400
27210 3	60 - 80 mm	50/ 400
27211 0	70 - 90 mm	50/ 400
27212 7	80 - 100 mm	50/ 400
27213 4	80 - 130 mm	25/ 200
27214 1	90 - 110 mm	20/ 300
27215 8	100 - 120 mm	20/ 300
27216 5	110 - 130 mm	20/ 300
27217 2	120 - 140 mm	20/ 360
27218 9	130 - 150 mm	20/ 300
27219 6	140 - 160 mm	10/ 300
27220 2	150 - 170 mm	10/ 300
27221 9	160 - 180 mm	10/ 300
27222 6	190 - 210 mm	10/

Stainless steel hose clamps 12 mm (W5)

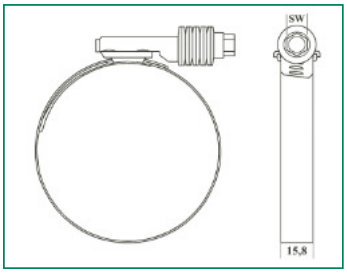
Band, housing and screw made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, bandwidth 12 mm



Item-No.:	Clamping range:	Packing unit:
27230 1	12 - 22 mm	100/600
27231 8	16 - 27 mm	100/600
27232 6	20 - 32 mm	100/600
27233 2	25 - 40 mm	100/400
27234 9	35 - 50 mm	100/400
27235 6	40 - 60 mm	50/400
27236 3	50 - 70 mm	50/400
27237 0	60 - 80 mm	50/200
27238 7	70 - 90 mm	25/200
27239 4	80 - 100 mm	25/200
27243 1	90 - 110 mm	20/200
27240 0	100 - 120 mm	20/200
27241 7	140 - 160 mm	10/ 200
27244 8	150 - 170 mm	-/-
27242 4	160 - 180 mm	10/ 300
27245 5	180 - 200 mm	-/-
27246 2	230 - 250 mm	-/-

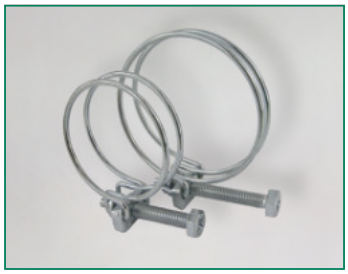
Heavy duty clamps (W4)

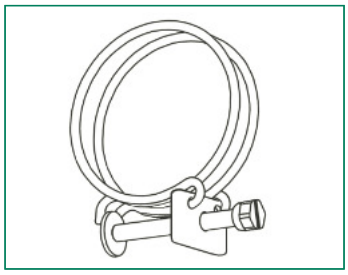
This special clamp is made entirely of stainless steel and is used where there are vibrations and large temperature fluctuations, which can cause the hose assemblies to expand and contract. The clamp maintains a constant pressure around the hose and prevents leaks.



Item-No.:	Clamping range:	Band width:	Wrench size:	Pack. unit:
S-3828-067	45 - 67 mm	15,8 mm	M10	-/150
S-3828-079	57 - 79 mm	15,8 mm	M10	-/150
S-3828-092	70 - 92 mm	15,8 mm	M10	-/150
S-3828-105	83 - 105 mm	15,8 mm	M10	-/100
S-3828-118	95 - 118 mm	15,8 mm	M10	-/100

Double-wire hose clamps (W1)

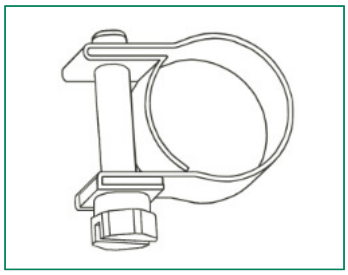




Ideal for the use with spiral hoses, made of galvanized steel, width about 8 mm

Item-No.:	Clamping range:	Packing unit:
27020 8	16 - 19 mm	50/1000
27021 5	18 - 21 mm	50/1000
27022 2	20 - 23 mm	50/1000
27023 9	22 - 25 mm	50/1000
27024 6	24 - 28 mm	50/ 500
27025 3	28 - 32 mm	50/ 400
27026 0	32 - 36 mm	50/ 400
27027 7	36 - 41 mm	50/ 400
27028 4	41 - 46 mm	50/ 400
27029 1	43 - 48 mm	50/ 400
27030 7	47 - 53 mm	50/ 200
27031 4	51 - 58 mm	50/ 200
27032 1	57 - 63 mm	50/ 200

Mini-hose clamps 9 mm, galvanized steel (W1)

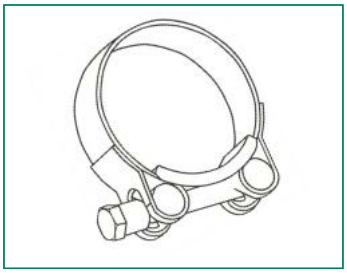


Made of galvanized steel, bandwidth 9 mm

Item-No.:	Clamping range:	Packing unit:
27000 0	6 - 8 mm	100/3000
27001 7	7 - 9 mm	100/3000
27002 4	8 - 10 mm	100/1000
27004 8	10 - 12 mm	100/1000
27005 5	11 - 13 mm	100/1000
27006 2	12 - 14 mm	100/1000

Heavy duty clamps (W1)

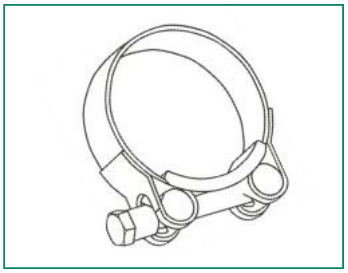
Band, housing and screw made of galvanized steel



Item-No.:	Clamping range:	Bandwidth:	Packing unit:
35221 8	17 - 19 mm	18 mm	50/200
35222 5	19 - 21 mm	18 mm	50/200
35223 2	21 - 23 mm	18 mm	50/200
35224 9	23 - 25 mm	18 mm	50/200
35225 6	26 - 28 mm	18 mm	50/200
35226 3	29 - 31 mm	20 mm	50/200
35227 0	32 - 35 mm	20 mm	50/200
35228 7	36 - 39 mm	20 mm	50/100
35229 4	40 - 43 mm	20 mm	50/100
35230 0	44 - 47 mm	22 mm	50/100
35231 7	48 - 51 mm	22 mm	50/100
35232 4	52 - 55 mm	22 mm	25/100
35233 1	56 - 59 mm	22 mm	25/100
35234 8	60 - 63 mm	22 mm	25/100
35235 5	64 - 67 mm	22 mm	25/100
35236 2	68 - 73 mm	24 mm	25/100
35237 9	74 - 79 mm	24 mm	25/100
35238 6	80 - 85 mm	24 mm	25/ 50
35239 3	86 - 91 mm	24 mm	25/ 50
35240 9	90 - 95 mm	24 mm	25/ 50
35241 9	92 - 97 mm	24 mm	25/ 50
35242 3	98 - 103 mm	24 mm	25/ 50
35243 0	104 - 112 mm	24 mm	25/ 50
35244 7	113 - 121 mm	24 mm	25/ 50
35246 1	140 - 148 mm	26 mm	-/-
35249 2	162 - 174 mm	26 mm	10/ 40
35248 5	214 - 226 mm	26 mm	-/-

Heavy duty clamps (W2)

Band and housing made of stainless steel or equivalent corrosion-resistant steel in accordance with DIN 3017, zinc plated steel screw



Item-No.:	Clamping range:	Bandwidth:	Packing unit:
35261 4	17 - 19 mm	18 mm	50/200
35262 1	19 - 21 mm	18 mm	50/200
35263 8	21 - 23 mm	18 mm	50/200
35264 5	23 - 25 mm	18 mm	50/200
35265 2	26 - 28 mm	18 mm	50/200
35267 6	29 - 31 mm	20 mm	50/200
35268 3	32 - 35 mm	20 mm	50/200
35269 0	36 - 39 mm	20 mm	50/ 100
35271 3	40 - 43 mm	20 mm	50/ 100
35272 0	44 - 47 mm	22 mm	50/ 100
35273 7	48 - 51 mm	22 mm	50/ 100
35274 4	52 - 55 mm	22 mm	25/ 100
35275 1	56 - 59 mm	22 mm	25/ 100
35276 8	60 - 63 mm	22 mm	25/ 100
35277 5	64 - 67 mm	22 mm	25/ 100
35278 2	68 - 73 mm	24 mm	25/ 100
35279 9	74 - 79 mm	24 mm	25/ 100
35280 5	80 - 85 mm	24 mm	25/ 50
35281 2	86 - 91 mm	24 mm	25/ 50
35282 9	92 - 97 mm	24 mm	25/ 50
35283 6	98 - 103 mm	24 mm	25/ 50
35284 3	104 - 112 mm	24 mm	25/ 50
35285 0	113 - 121 mm	24 mm	25/ 50
35286 7	122 - 130 mm	24 mm	25/ 50
35287 4	131 - 140 mm	26 mm	25/ 50
35288 1	140 - 148 mm	26 mm	10/ 40
35289 8	149 - 162 mm	26 mm	25/ 50
35290 4	162 - 174 mm	26 mm	10/ 40
35291 1	174 - 187 mm	26 mm	25/ 50
35292 8	187 - 200 mm	26 mm	25/ 50
35293 5	227 - 239 mm	26 mm	-/-

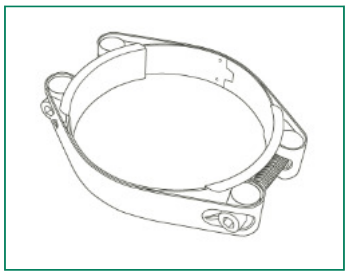
Classes of materials for worm drive clamps or heavy duty clamps

Desig.:	Material:	Requirement:
W1	Coated steel	Low requirements on the corrosion resistance
W2	Housing and band stainless steel 1.4016; Screw coated steel	Low to medium requirements on the corrosion resistance
W4	Completely made of steel 1.4301 (V2A or comparable steel)	High requirements on the corrosion resistance
W5	Completely made of chromium-nickle-molybdenum steel 1.4571 (V4A oder 1.4401)	Resistant to sea water and difficult to magnetize; highest requirements on the corrosion resistance

Double heavy duty clamps (W1)

Band, housing and screw made of galvanized steel

Item-No.:	Clamping range:	Bandwidth:	Packing unit:
27357 5	100 - 110 mm	24 mm	-/20
27358 2	110 - 120 mm	24 mm	-/20
27363 6	160 - 170 mm	24 mm	-/20



Endless clamp with foldable housing

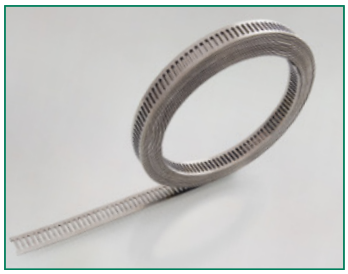
2-parts, band stainless steel 1.4104, housing and screw zinc plated steel, bandwidth 9 mm

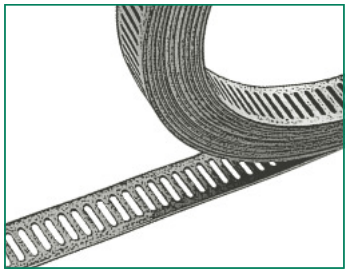
Item-No.:	Clamping range:	Bandwidth:	Packing unit:
SE-3075	50-165 mm	9 mm	-/-

Endless band (W2)

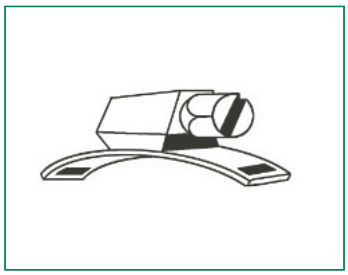
Perforated stainless steel band

Item-No.:	Length (m):	Bandwidth:	Packing unit:
27060 4	3	8 mm	1/bag
27061 1	5	8 mm	1/bag
27062 8	25	8 mm	1/bag
27063 5	3	14 mm	1/bag
27064 2	5	14 mm	1/bag
27065 9	25	14 mm	1/bag





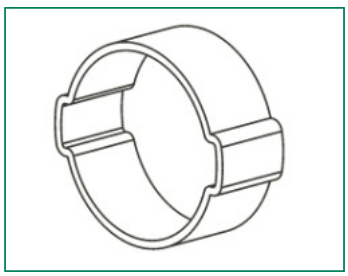
Housing/screws in set (W2)



Housing/screws (zinc plated) for endless band

Item-No.:	Bandwidth:	Packing unit:
27066 6	8 mm	8/bag
27067 3	8 mm	6/bag
27068 0	14 mm	8/bag
27069 7	14 mm	6/bag

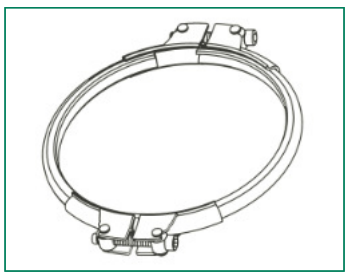
2-ear-clamps (W1)



Made of zinc plated steel

Item-No.:	Clamping range:	Bandwidth:	Packing unit:
27085 7	5 - 7 mm	6 mm	100/2000
27086 4	7 - 9 mm	7 mm	100/2000
27087 1	9 - 11 mm	7 mm	100/2000
27082 6	11 - 13 mm	7 mm	100/2000
27083 3	13 - 15 mm	7,5 mm	100/2000
27088 8	14 - 17 mm	7,5 mm	100/2000
27084 0	15 - 18 mm	7,5 mm	100/2000
27089 5	18 - 21 mm	9 mm	100/2000
27090 1	20 - 23 mm	9 mm	100/2000

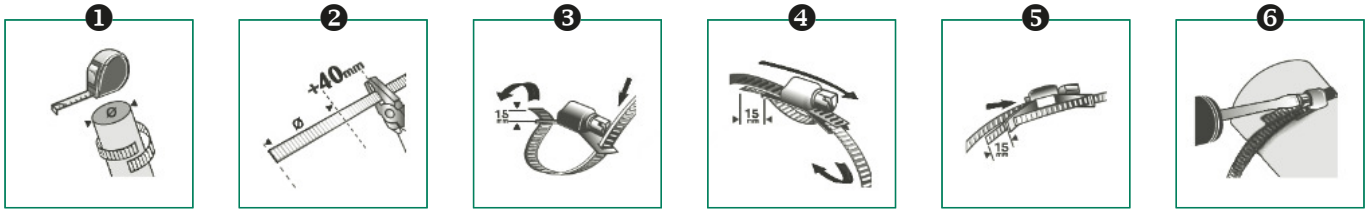
Pipe clamp



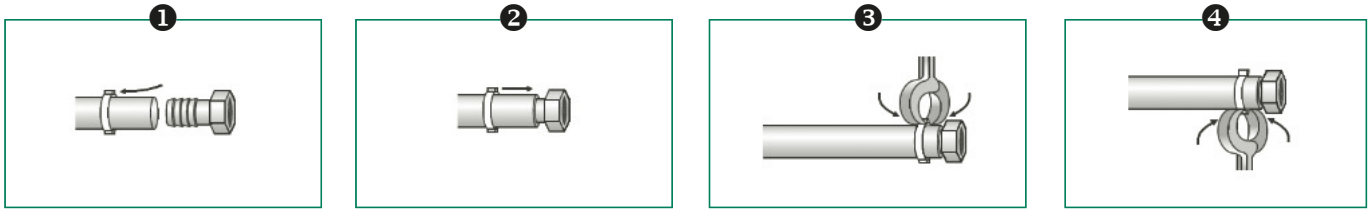
2 bolts, galvanized steel, without soundproofing rubber

Item-No.:	Connection nominal diameter:	Packing unit:
S-080	DN 100 mm	1/50

Assembly of endless clamp bands



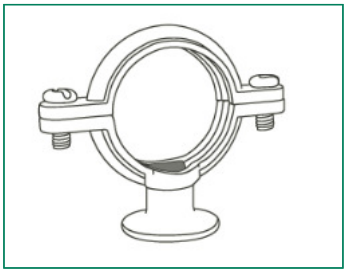
Assembly of 2-ear-clamps



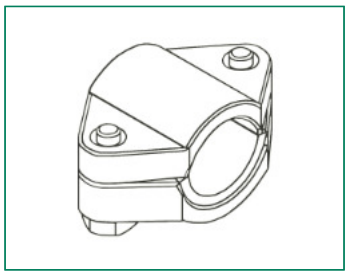
Pipe clamps made of Zamak or alternatively with brass coating, 2 galvanized steel clamping screws with cross recess and a female thread M7

Item-No.: Zamak	Item-No.: Brass	Dimension:	Packing unit:
27279 0	27279-MS	8 mm	50/2000
27280 6	27280-MS	10 mm	200/1400
27281 3	27281-MS	12 mm	200/1400
27282 0	27282-MS	15 mm	200/1200
27283-16	-	16 mm	50/1000
27283-17	-	17 mm	50/1000
27283 7	27283-MS	18 mm	150/ 750
27284-19	-	19 mm	70/ 840
27284-20	-	20 mm	60/ 720
27284-21	-	21 mm	60/ 720
27284 4	27284-MS	22 mm	150/ 600
27285-24	-	24 mm	50/ 500
27285-25	-	25 mm	50/ 500
27285 1	27285-MS	27 mm	90/ 540
27286 8	27286-MS	28 mm	86/ 425
27287 5	27287-MS	32 mm	65/ 325
27288 2	27288-MS	34 mm	60/ 300
27289 9	27289-MS	40 mm	55/ 275
27290 5	27290-MS	42 mm	50/ 250
27290-43	-	43 mm	50/ 250
27291-48	-	48 mm	40/ 200
27291 2	27291-MS	50 mm	50/ 200
27270-60	-	60 mm	25/ 125
27270 7	-	63 mm	25/ 125
27271-76	-	76 mm	25/ 100

Zamak pipe clamp



Clamp ring, brass



2-parts with galvanized hexagon head bolts and nuts, ideal for tightening pump-spiral hoses

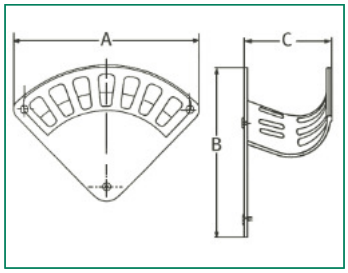
Item-No.:	Clamping range:	Connection:	Packing unit:
34402 2	25 - 27 mm	3/4"	10/200
34403 9	31 - 34 mm	1"	10/200
34404 6	38 - 41 mm	1 ¼"	10/ 150

Suntos® quality hose

Yellow multi-layer water hose, UV-resistant, knitted anti-kink insert, temperature range: - 10° C to + 50° C, cadmium and barium free

Item-No.:	m/roll:	Connection:	Inner dia-metre: mm	Pressure resistance: bar	Packing unit:
37201 8	20	1/2"	12,5	36	99
37301 5	30	1/2"	12,5	36	66
37501 9	50	1/2"	12,5	36	42
37252 0	25	3/4"	19	27	30
37502 6	50	3/4"	19	27	16
37112 7	100	3/4"	19	27	4
37253 7	25	1"	25	24	10
37503 3	50	1"	25	24	6
37504 0	50	1 ¼"	32	18	a. A.
37505 7	50	1 ½"	38	12	a. A.
37506 4	50	2"	50	12	a. A.

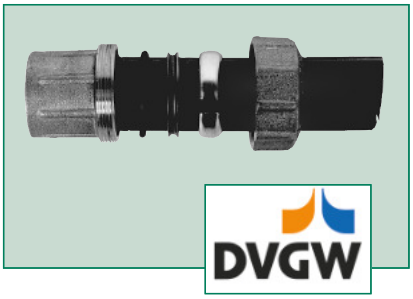
Aluminum bracket



Wall bracket suitable for hose, cable and rope

Item-No.:	Size: **A** (width) **B** (height) **C** (depth)	Packing unit:
38111 9	S = 190 x 140 x 70 mm	-/-
38112 6	M = 260 x 190 x 105 mm	-/-
38113 3	L = 335 x 245 x 135 mm	-/-
38114 0	XL = 415 x 300 x 190 mm	-/-

Compression fittings, brass, for PE-pipes



Compression fittings for plastic pipes (HDPE and LDPE) in sizes from 1/2 "x 20 mm to 3" x 90 mm. Suitable for piping systems underground or above ground level for fixed or mobile installation. For conveying potable water, waste water and other liquid media.

Material: brass (MS 58)

maximum operating pressure:	16 bar
operating temperature:	-20°C to + 120°C
application range:	Gas approved, tested according to DIN DVGW V 114 W

Consisting of housing, for example female thread, O-ring, pressure ring, clamping ring and screws (nut).
For the medium gas a gas sleeve or a support tube must be used in addition.

Straight form, with female thread and union nut

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34501 2	G 1/2"	1/2"	20 mm	20/320
34502 9	G 3/4"	3/4"	25 mm	15/165
34503 6	G 1"	1"	32 mm	12/120
34504 3	G 1 ¼"	1 ¼"	40 mm	6/ 60
34505 0	G 1 ½"	1 ½"	50 mm	4/ 72
34506 7	G 2"	2"	63 mm	2/ 38

Straight form, with male thread and union nut

Item-No.:	Male thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34511 1	G 1/2"	1/2"	20 mm	20/320
34512 8	G 3/4"	3/4"	25 mm	15/240
34513 5	G 1"	1"	32 mm	12/120
34514 2	G 1 ¼"	1 ¼"	40 mm	6/ 60
34515 9	G 1 ½"	1 ½"	50 mm	4/ 72
34516 6	G 2"	2"	63 mm	2/ 38

Elbow, with two union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34571 5	1/2"	20 mm	12/216
34572 2	3/4"	25 mm	10/100
34573 9	1"	32 mm	6/ 78
34574 6	1 ¼"	40 mm	4/ 48
34575 3	1 ½"	50 mm	2/ 36
34576 0	2"	63 mm	2/ 14

Elbow, with female thread and union nut

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34521 0	G 1/2"	1/2"	20 mm	15/240
34522 7	G 3/4"	3/4"	25 mm	12/ 192
34523 4	G 1"	1"	32 mm	8/ 104
34524 1	G 1 ¼"	1 ¼"	40 mm	6/ 72
34525 8	G 1 ½"	1 ½"	50 mm	4/ 48

Elbow, with male thread and union nut

Item-No.:	Male thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34531 9	G 1/2"	1/2"	20 mm	15/240
34532 6	G 3/4"	3/4"	25 mm	12/120
34533 3	G 1"	1"	32 mm	8/ 80
34534 0	G 1 ¼"	1 ¼"	40 mm	6/ 72
34535 7	G 1 ½"	1 ½"	50 mm	4/ 48
34536 4	2"	2"	63 mm	2/ 38

Elbow, with female thread, union nut and wall fixation

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34541 8	G 1/2"	1/2"	20 mm	15/150
34542 5	G 3/4"	3/4"	25 mm	12/156
34543 2	G 1"	1"	32 mm	8/ 64

T-piece, with three union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34566 1	1/2"	20 mm	6/144
34567 8	3/4"	25 mm	6/108
34568 5	1"	32 mm	4/ 52
34569 2	1 ¼"	40 mm	4/ 36
34570 8	1 ½"	50 mm	2/ 28
34560 9	2"	63 mm	1/ 8

T-piece, with female thread and two union nuts

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34551 7	G 1/2"	1/2"	20 mm	8/192
34552 4	G 3/4"	3/4"	25 mm	6/ 96
34553 1	G 1"	1"	32 mm	4/ 72
34554 8	G 1 ¼"	1 ¼"	40 mm	4/ 36
34555 5	G 1 ½"	1 ½"	50 mm	2/ 26

Straight short form, with two union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34581 4	1/2"	20 mm	12/192
34582 1	3/4"	25 mm	10/160
34583 8	1"	32 mm	8/104
34584 5	1 ¼"	40 mm	4/ 80
34585 2	1 ½"	50 mm	2/ 48
34580 7	2"	63 mm	2/ 16

Straight long form, with two union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34586 9	1"	32 mm	6/72
34587 6	1 ¼"	40 mm	4/36
34588 3	1 ½"	50 mm	2/36
34589 0	2"	63 mm	2/14

Sealing set for PE pipe compression fittings

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
34591 3	1/2"	20 mm	-/100
34592 0	3/4"	25 mm	-/ 75
34593 7	1"	32 mm	-/ 50
34594 4	1 ¼"	40 mm	-/ 30

Supporting ferrule

Stainless steel, necessary for the use with the medium gas, only for PE pipe compression fittings made of brass

Item-No.:	PE-pipe-size	Packing unit:
34500 5	20 mm x 2,0 mm	-/100
34510 4	25 mm x 2,7 mm	-/ 75
34520 3	32 mm x 3,0 mm	-/ 50
34530 2	40 mm x 3,7 mm	-/ 30

Compression fittings, polypropylene, for PE-pipes

Material: PP
maximum operating pressure: 10 bar
operating temperature: 0°C bis + 30°C
application range: Irrigation and spray irrigation, not suitable for gas or compressed air.
Consisting of housing, for example female thread, O-ring, pressure ring, clamping ring and union nut.

Straight form, with two union nuts

Item-No.:	Female thread-size	PE-pipe-outside Ø	Packing unit:
35581 3	1/2"	20 mm	50/300
35582 0	3/4"	25 mm	50/200
35583 7	1"	32 mm	50/ 150
35584 4	1 ¼"	40 mm	-/ 90
35585 1	1 ½"	50 mm	-/ 50
35586 8	2"	63 mm	-/ 30

Straight form, with female thread and union nut

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35501 1	1/2"	1/2"	20 mm	50/350
35502 8	3/4"	3/4"	25 mm	50/350
35503 5	1"	1"	32 mm	50/200
35504 2	1 ¼"	1 ¼"	40 mm	-/ 125
35505 9	1 ½"	1 ½"	50 mm	-/ 75
35506 6	2"	2"	63 mm	-/ 65

Straight form, with male thread and union nut

Item-No.:	Male thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35511 0	1/2"	1/2"	20 mm	50/550
35512 7	3/4"	3/4"	25 mm	50/350
35513 4	1"	1"	32 mm	50/200
35514 1	1 ¼"	1 ¼"	40 mm	-/130
35515 8	1 ½"	1 ½"	50 mm	-/ 80
35516 5	2"	2"	63 mm	-/ 45

Elbow, with two union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35571 7	1/2"	20 mm	50/250
35572 1	3/4"	25 mm	50/200
35573 8	1"	32 mm	-/ 50
35574 5	1 ¼"	40 mm	-/ 70
35575 2	1 ½"	50 mm	-/ 40
35576 9	2"	63 mm	-/ 23

Elbow, with female thread and union nut

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35521 9	1/2"	1/2"	20 mm	20/460
35522 6	3/4"	3/4"	25 mm	20/300
35523 3	1"	1"	32 mm	50/ 150
35524 0	1 ¼"	1 ¼"	40 mm	5/ 90
35525 7	1 ½"	1 ½"	50 mm	-/ 55
35526 4	2"	2"	63 mm	-/ 30

Elbow, with male thread and union nut

Item-No.:	Male thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35531 8	1/2"	1/2"	20 mm	50/450
35532 5	3/4"	3/4"	25 mm	50/300
35533 2	1"	1"	32 mm	50/ 150
35534 9	1 ¼"	1 ¼"	40 mm	-/ 120
35535 6	1 ½"	1 ½"	50 mm	-/ 60
35536 3	2"	2"	63 mm	-/ 35

T-piece, with three union nuts

Item-No.:	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35566 0	1/2"	20 mm	50/150
35567 7	3/4"	25 mm	50/150
35568 4	1"	32 mm	-/ 80
35569 1	1 ¼"	40 mm	-/ 45
35559 2	1 ½"	50 mm	-/ 25
35560 8	2"	63 mm	-/ 14

T-piece, with female thread and two union nuts

Item-No.:	Female thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35551 6	1/2"	1/2"	20 mm	20/240
35552 3	3/4"	3/4"	25 mm	10/ 150
35553 0	1"	1"	32 mm	50/ 100
35554 7	1 ¼"	1 ¼"	40 mm	-/ 60
35555 4	1 ½"	1 ½"	50 mm	-/ 33
35556 1	2"	2"	63 mm	-/ 20
35550 9	3/4"	1"	32 mm	-/ 100

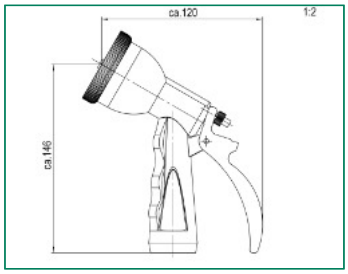
T-piece, with male thread and two union nuts

Item-No.:	Male thread-size	PE-pipe-size	PE-pipe-outside Ø	Packing unit:
35541 7	1/2"	1/2"	20 mm	50/200
35542 4	3/4"	3/4"	25 mm	50/ 150
35543 1	1"	1"	32 mm	-/ 100
35544 8	1 ¼"	1 ¼"	40 mm	-/ 50
35545 5	1 ½"	1 ½"	50 mm	-/ 30
35546 2	2"	2"	63 mm	-/ 18

Brass quick couplings, suitable for normal plug-in couplings, max 16 bar with +20°C

Garden hand shower

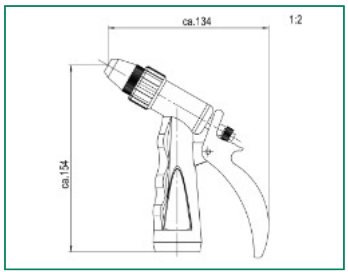
Made of aluminium, solid version, plastic-coated, female threaded connection 3/4 "with seal – adjustable to 6 operating modes.
With mounted brass express coupling.
Jet types:
- ⇨ normal spray
- ⇨ shower spray
- ⇨ jet spray
- ⇨ fog jet
- ⇨ fan jet
- ⇨ soft spray



Item-No.:	Connection:	Packing unit:
33093 3	3/4" female thread	1/48
without plug-in coupling		
33095 7	3/4" female thread	1/48

Garden spray pistol

Made of aluminium, solid version, plastic-coated, female threaded connection 3/4 "with seal, adjustable from spray to full beam.
With mounted brass express coupling.



Item-No.:	Connection:	Packing unit:
33092 6	3/4" female thread	1/48
without plug-in coupling		
33094 0	3/4" female thread	1/48

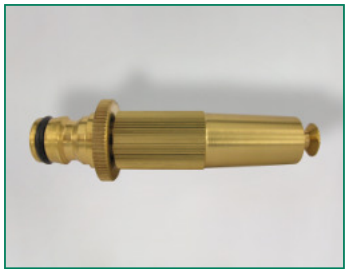
Replacement flat seal for 33093 + 33092

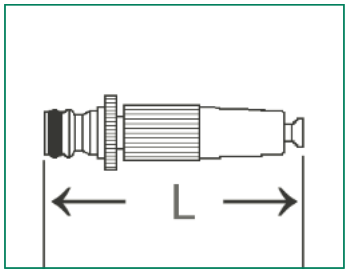
without illustration, material NBR

Item-No.:	Connection:	Packing unit:
33063 6	3/4"	2500

Spray nozzle

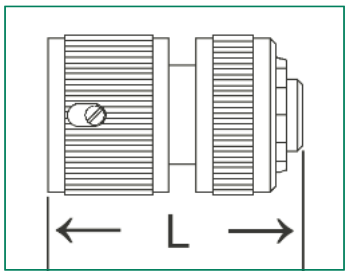
Suitable for brass plug-in-system





Item-No.:	Connection:	Length:	Packing unit:
plain	chrome-plated	L	
33091 9	33096 4	97	10/100

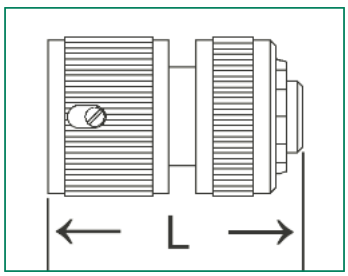
Hose connector without water stop



With three stainless steel balls

Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33031 5	33036 0	1/2" (+5/8")	47	10/130
33032 2	33037 7	3/4"	52,5	10/ 90

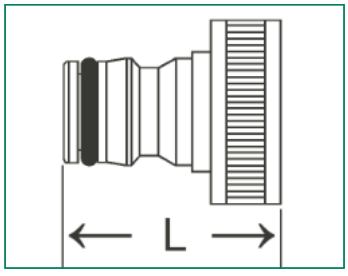
Hose connector with water stop



With three stainless steel balls

Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33041 4	33046 9	1/2" (+5/8")	46	10/120
33042 1	33047 6	3/4"	52,5	10/ 90

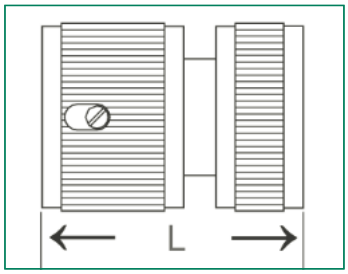
Tap connector, female thread



Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33121 3	33126 8	1/2"	35,5	25/350
33122 0	33127 5	3/4"	35	20/250
33123 7	33128 2	1"	37	25/175

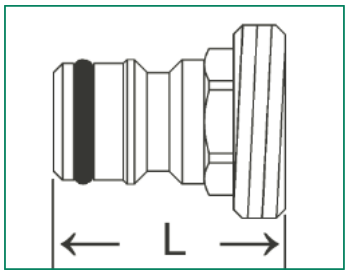
Tap connector, female thread

Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Connection: hose	Pack. unit:
33034 6	33039 1	G 3/4"	43	16/19 mm (3/4")	10/140



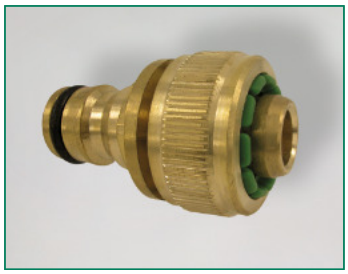
Accessory adapter, male thread

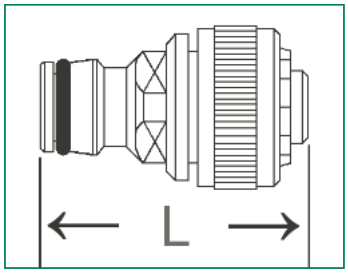
Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33221 0	33226 5	1/2"	31	25/450
33222 7	33227 2	3/4"	31,5	25/350



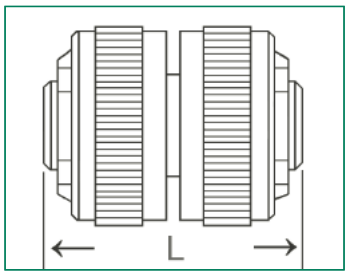
Hose connector with plug

Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33021 6	33026 1	1/2"	49	10/160
33022 3	33027 8	3/4"	54	10/100





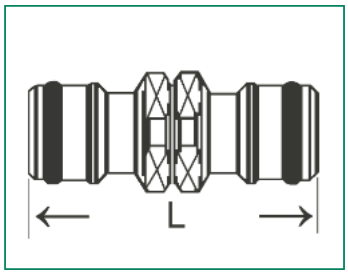
Hose repairer



With three stainless steel balls

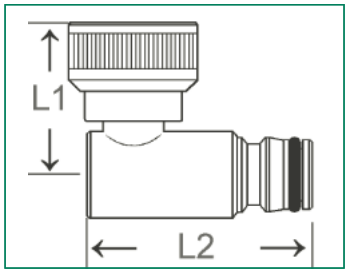
Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33321 7	33326 3	1/2" (+5/8")	42	10/150
33322 4	33327 9	3/4"	51,5	10/ 80

Double plug



Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33051 3	33056 8	-	49	25/300

Angled tap connector with female thread

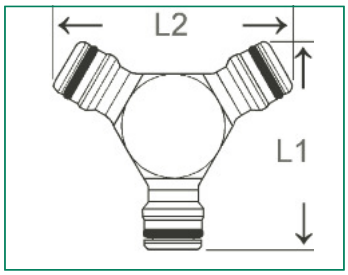


Item-No.: plain	Item-No.: chrome-plated	Conne.:	Length: L1	Length: L2	Packing unit: plain	Packing unit: chrome-plated
33062 9	33067 4	3/4"	31,5	45	10/140	10/150
Heavy version						
33062-schwer	33067-schwer	3/4"	36	51	10/110	

3-way coupling, brass connector system

All pages plug-in coupling

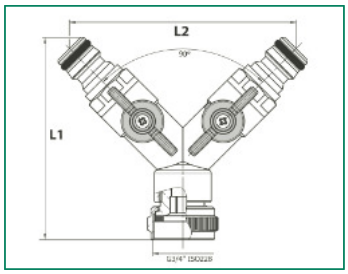
Item-No.: plain	Item-No.: chrome-plated	Length: L1	Length: L2	Packing unit:
33052 0	33057 5	62	72	10/110



Twin tap connector for 2 operating watering accessoires, brass connector system

1 x female thread, 2 x couplings

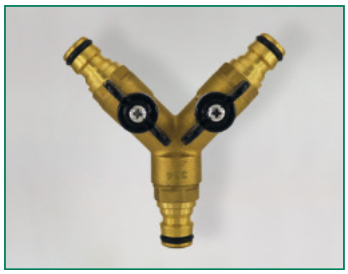
Item-No.: plain	Item-No.: chrome-plated	Connec.:	Length: L1	Length: L2	Packing unit:
53312 9	53317 4	3/4" f	90	99,5	2/40

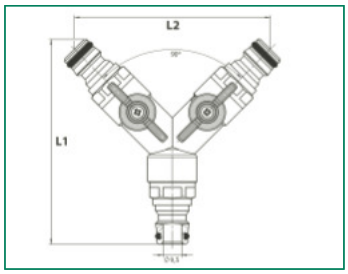


Twin tap connector for 2 operating watering accessoires, brass connector system

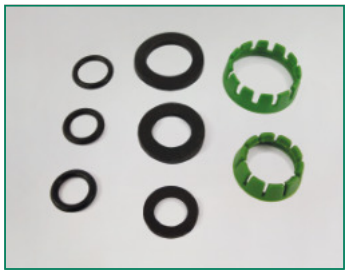
3 x couplings

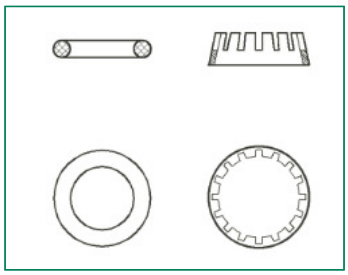
Item-No.: plain	Item-No.: chrome-plated	Length: L1	Length: L2	Packing unit:
53313 6	53318 1	104	99,5	2/40





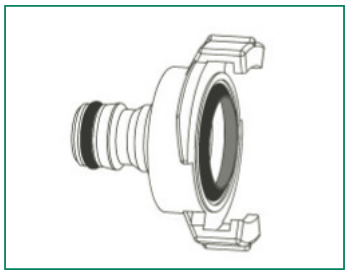
Spare Parts for brass plug system





Item-No.:	Description:	Packing unit:
33911 0	NBR-Flat gasket for brass plug system with 1/2" female	500/10000
33912 7	NBR-Flat gasket for brass plug system with 3/4" female	500/ 7000
33913 4	NBR-Flat gasket for brass plug system with 1" female	250/ 4000
33065 0	Replacement O-ring (NBR)	-/-
33068 1	Replacement compression ring (PA) 1/2"	-/-
33069 8	Replacement compression ring (PA) 3/4"	-/-
33099 5	Replacement O-ring for 33091/96 (NBR)	-/-

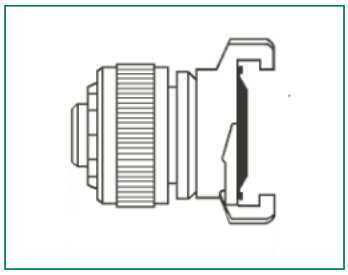
Transition piece



Plug-in coupling with quick coupling (1-piece), plain brass, universal size

Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33904 2	-		55,5	10/180

Transition piece



Hose connector with quick coupling (with water stop), plain brass

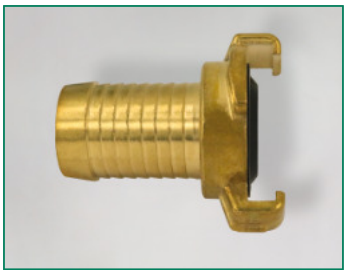
Item-No.: plain	Item-No.: chrome-plated	Connection:	Length: L	Packing unit:
33043 8	-	12/15 mm (1/2")		10/150
33044 5	-	16/19 mm (3/4")		10/120

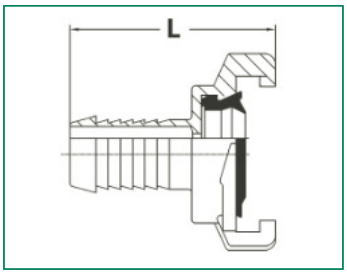
Series MST

Express claw couplings of forged brass, internal cam distance 40 mm, PN 10, to match the current systems, NBR-seal, is suitable for drinking water, seals black: with KTW-A/W-270-approval, brass according to the German Drinking Water Ordinance, temperature range: app. – 30°C to + 100°C, bursting pressure: min. 30 bar

Coupling with tailpiece

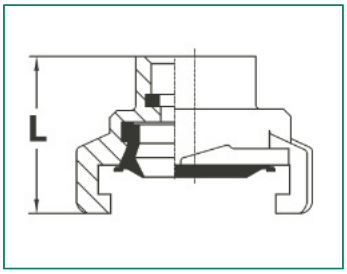
Item-No.: KTW-A seal black	Conn.:	DN:	Length: L	Packing unit:
33008 7	1/4"		44	10/300
33000 1	3/8"	10	49	10/200
33001 8	1/2"	15	47,5	10/180
33009 4	5/8"	15	52,5	10/160
33002 5	3/4"	20	51,5	10/160
33003 2	1"	25	58	10/120
33004 9	1 ¼"	32	65,5	10/100
33005 6	1 ½"	40	73	10/ 60



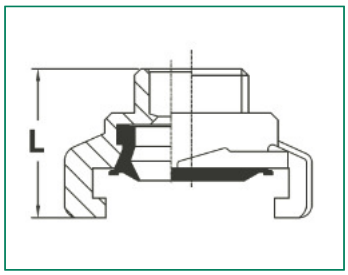


Coupling, female threaded

Item-No.: KTW-A seal black	Conn.:	DN:	Length: L	Packing unit:
33108 4	1/4"		30,5	10/220
33100 8	3/8"	10	30,5	10/220
33101 5	1/2"	15	30,5	10/220
33102 2	3/4"	20	30,5	10/240
33103 9	1"	25	31,5	10/220
33104 6	1 ¼"	32	34,5	10/200
33105 3	1 ½"	40	37	10/100
Special sizes (without flat seals)				
33101-19 mm	1/2", female 19 mm long		41	10/220
33102-19 mm	3/4", female 19 mm long		40,5	10/160
33102-25 mm	3/4", female 25 mm long		46	10/160

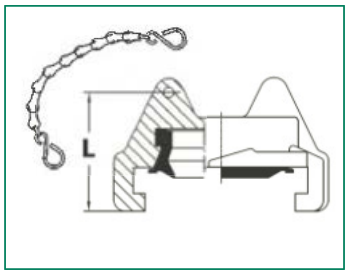


Coupling, male threaded



Item-No.: KTW-A seal black	Conn.:	DN:	Length: L	Packing unit:
33208 1	1/4"		31	10/220
33200 5	3/8"	10	31	10/220
33201 2	1/2"	15	31	10/220
33202 9	3/4"	20	31	10/200
33203 6	1"	25	31	10/180
33204 3	1 ¼"	32	34,5	10/140
33205 0	1 ½"	40	36	10/120

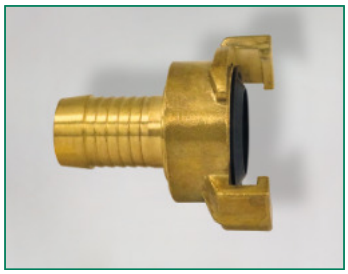
Blind cap

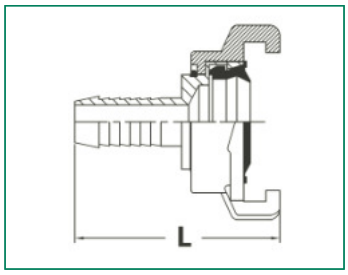


Fits all sizes, hole for attaching a chain (without chain)

Item-No.: KTW-A seal black	DN:	Conn. for borehole:	Length: L	Packing unit:
33901 1	40	2,5	29,5	10/220
33901-Kette		chain for 33901	-	

Coupling with tailpiece, rotating





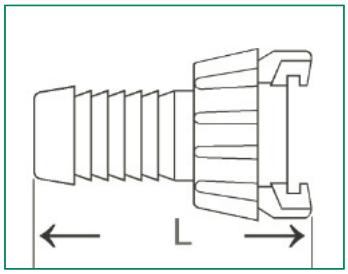
2-piece tube made of brass, spout 360° rotating, very light coupling

Item-No.: KTW-A seal black	Conn.: spout	DN:	Length: L	Packing unit:
33011 7	1/2"	15	54	10/140
33012 4	3/4"	20	57	10/120
33013 1	1"	25	60,5	10/100

Plastic express coupling with lock nut, tailpiece

For suction lines, absolutely tight and protected against loosening, secured by guard ring

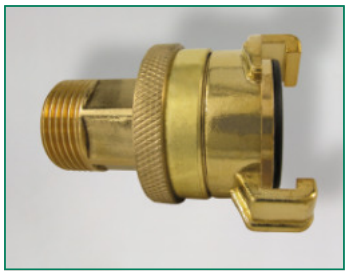
Item-No.:	Spout:	Length: L	Packing unit:
33412 2	3/4"	80	10/200
33413 9	1"	90	10/200

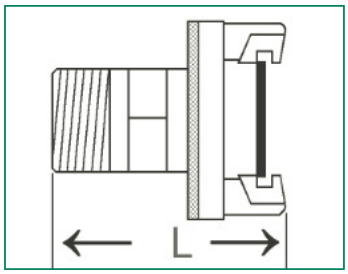


Express coupling with lock nut made of brass, male threaded

Suction and high pressure coupling with male thread (wrench size 24) for suction lines, absolutely tight and secured against loosening by protecting ring

Item-No.: KTW-A seal black	Conn.: spout	DN:	Length: L	Packing unit:
33406 1	3/4"	20	61,3	5/50
33407 8	1"	25	65	5/50

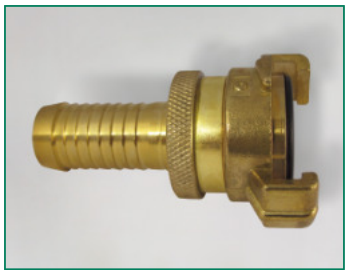


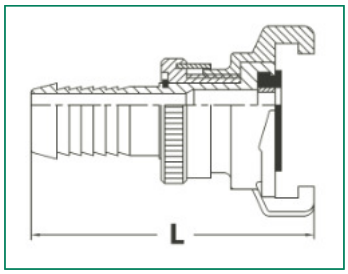


Express coupling with lock nut made of brass, tailpiece

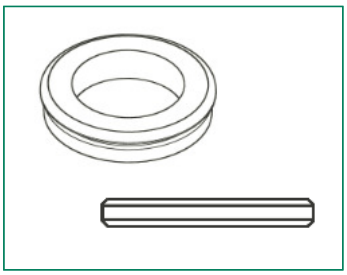
Suction and high pressure coupling for suction lines, absolutely tight and secured against loosening by locking ring

Item-No.: KTW-A seal black	Conn.: spout	DN:	Length: L	Packing unit:
33401 6	1/2"	15	74	5/80
33402 3	3/4"	20	77	5/80
33403 0	1"	25	81,5	5/50
33404 7	1 ¼"	32	84	5/50





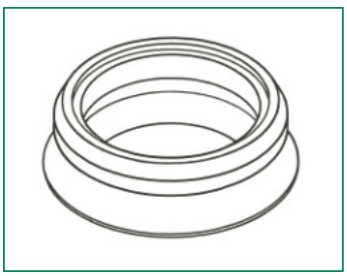
Spare parts for express couplings made of brass with lock nut



Rubber seal for suction coupling, material: **NBR, black.**

Item-No.:	Connection:	Packing unit:
33905 9	Ø 33,5 x Ø 21 x 13,4	100/3000
Brass ring for suction coupling		
33906 6	Ø 21,5 x Ø 19,5 x 4	100/3000

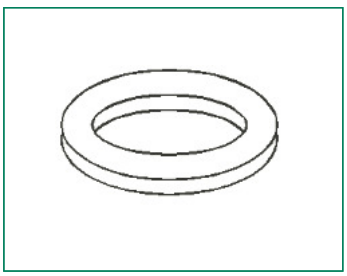
Replacement seal for express couplings made of brass



Fits all quick couplings with cam width 40 mm. KTW-A and W-270 tested. Suitable for drinking water.

Item-No.: Material: **NBR, black**	Connection:	Packing unit:
33902 8	Ø 35,5 x Ø 32,5 x 12	100/2000
Material: **FKM, green**		
33902-FKM	Ø 35,5 x Ø 32,5 x 12	100/ 500

Flat seal



For express couplings with female thread. Material: **NBR, black.** KTW-A and W-270 tested. Suitable for drinking water.

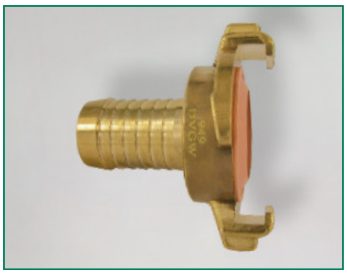
Item-No.:	Female thread:	Connection:	Packing unit:
33910 3	3/8"	Ø 16,5 x Ø 10,5 x 2	500/ 5000
33911 0	1/2"	Ø 21,5 x Ø 14 x 2	500/10000
33912 7	3/4"	Ø 27 x Ø 20 x 2	500/ 7000
33913 4	1"	Ø 33,5 x Ø 24 x 2	250/ 4000
33914 1	1 ¼"	Ø 44 x Ø 32 x 2	100/ 5000
33915 8	1 ½"	Ø 48 x Ø 37 x 3	100/ 5000

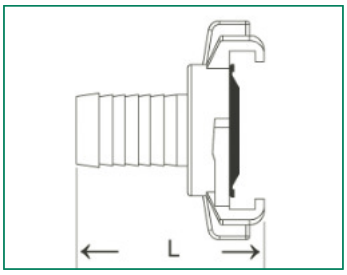
Series MSC

Express claw couplings of forged brass, internal cam distance 40 mm, PN 10, to match the current systems, NBR-seal, is suitable for drinking water, seals red: couplings according to the German Drinking Water Ordinance, temperature range: app. – 30°C to + 90°C, bursting pressure: min. 30 bar (according to DVGW VP-550) at 20°C

Coupling with tailpiece

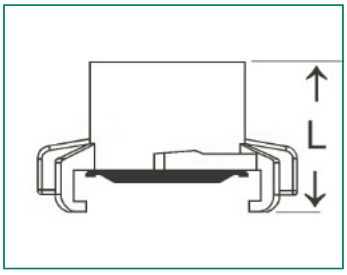
Item-No.: DVGW seal red	Conn.:	DN:	Length: L	Packing unit:
33070 4	3/8"	10	49	10/160
33071 1	1/2"	15	48,5	10/160
33079 7	5/8"	15	52,5	10/240
33072 8	3/4"	20	52,5	10/100
33073 5	1"	25	58	10/ 80
33074 2	1 ¼"	32	70	10/ 80
33075 9	1 ½"	40	73	10/ 50



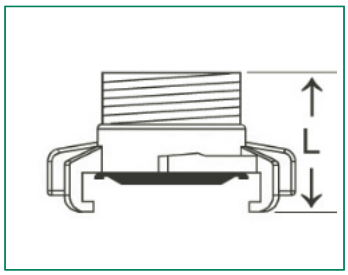


Coupling, female threaded

Item-No.: DVGW seal red	Conn.:	DN:	Length: L	Packing unit:
33170 1	3/8"	10	32	10/160
33171 8	1/2"	15	32	10/160
33172 5	3/4"	20	32	10/160
33173 2	1"	25	33	10/160
33174 9	1 ¼"	32	38	10/100
33175 6	1 ½"	40	40	10/100

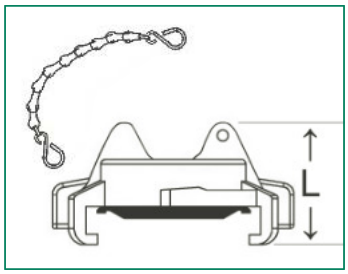


Coupling, male threaded



Item-No.: DVGW seal red	Conn.:	DN:	Length: L	Packing unit:
33270 8	3/8"	10	33	10/160
33271 5	1/2"	15	33	10/160
33272 2	3/4"	20	33	10/160
33273 9	1"	25	33	10/160
33274 6	1 ¼"	32	38	10/100
33275 3	1 ½"	40	40	10/100

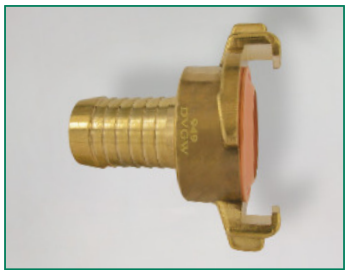
Blind cap

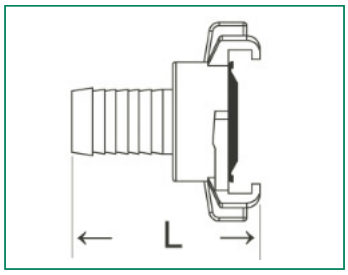


Fits all sizes, hole for attaching a chain (without chain)

Item-No.: DVGW seal red	DN:	Conn. for borehole:	Length: L	Packing unit:
33907 3	40	2,5	33	10/160
33901-Kette		chain for 33907	-	

Coupling with tailpiece, rotating



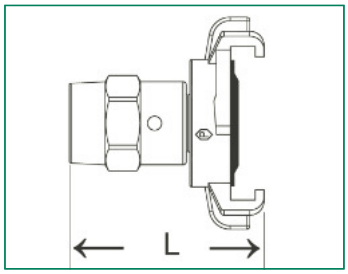


2-piece tube made of brass, spout 360° rotating, very light coupling

Item-No.: DVGW seal red	Conn.: spout	DN:	Length: L	Packing unit:
33015 5	1/2"	15	55,5	10/100
33016 2	3/4"	20	58,5	10/100
33017 9	1"	25	61,5	10/ 80

Express coupling with female coupling

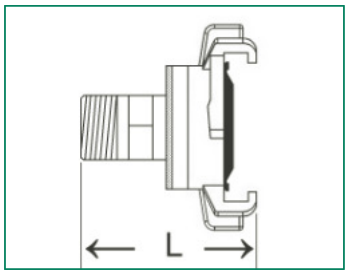
Item-No.: DVGW seal red	Conn.:	DN:	Length: L	Packing unit:
33241 8	1/2"	13	55	6/96
33242 5	3/4"	19	56	6/96
33243 2	1"	25	57	6/60



Express coupling with lock nut made of brass, male threaded

Suction and high pressure coupling with male thread (wrench size 24) for suction lines, absolutely tight and secured against loosening by protecting ring

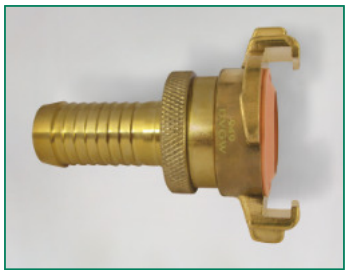
Item-No.: DVGW seal red	Conn.: spout	DN:	Length: L	Packing unit:
33476 4	3/4"	20	61,3	5/80
33477 1	1"	25	65	5/50

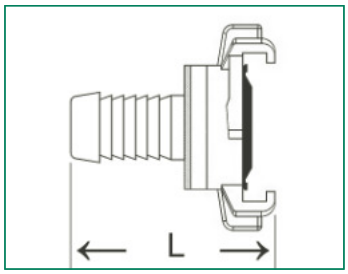


Express coupling with lock nut made of brass, tailpiece

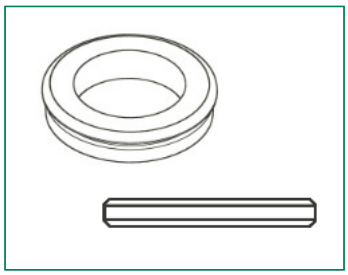
Suction and high pressure coupling for suction lines, absolutely tight and secured against loosening by locking ring

Item-No.: DVGW seal red	Conn.: spout	DN:	Length: L	Packing unit:
33401 6	1/2"	15	78	5/80
33402 3	3/4"	20	83	5/80
33403 0	1"	25	87	5/50
33404 7	1 ¼"	32	90	5/50





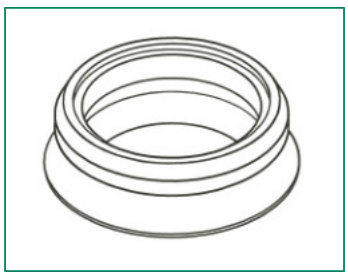
Spare parts for express couplings made of brass with lock nut



Rubber seal for suction coupling, material: **NBR, red.** KTW-A and W-270 tested. Suitable for drinking water. Couplings according to the German Drinking Water Ordinance.

Item-No.:	Connection:	Packing unit:
33905-KTW-rot	Ø 33,5 x Ø 21 x 13,4	100/3000
Brass ring for suction coupling		
33906 6	Ø 21,5 x Ø 19,5 x 4	100/3000

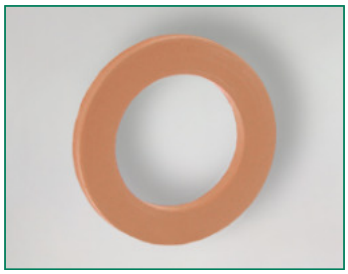
Replacement seal for express couplings made of brass

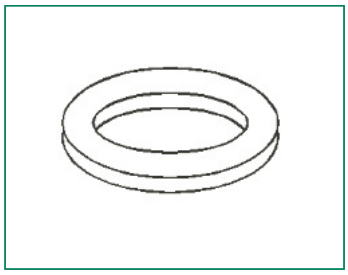


Fits all quick couplings with cam width 40 mm, material: **NBR, red.** KTW-A and W-270 tested. Suitable for drinking water. Couplings according to the German Drinking Water Ordinance.

Item-No.:	Connection:	Packing unit:
33902-KTW-rot	Ø 35,5 x Ø 32,5 x 12	100/2000

Rubber flat seal





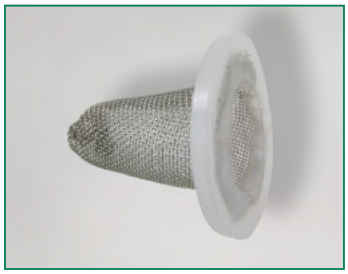
For express couplings with female thread, material: **NBR, red.** KTW-A and W-270 tested. Suitable for drinking water. Couplings according to the German Drinking Water Ordinance.

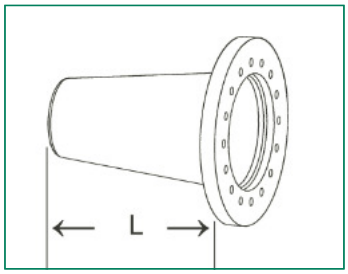
Item-No.: DVGW seal red	Spout:	Connection:	Packing unit:
33910-rot	3/8"	Ø 16,5 x Ø 10,5 x 2	500/ 5000
33911-rot	1/2"	Ø 21,5 x Ø 14 x 2	500/10000
33912-rot	3/4"	Ø 27 x Ø 20 x 2	500/ 7000
33913-rot	1"	Ø 33,5 x Ø 24 x 2	250/ 4000
33914-rot	1 ¼"	Ø 44 x Ø 32 x 2	100/ 5000
33915-rot	1 ½"	Ø 48 x Ø 37 x 3	100/ 5000

Hat-filter for express couplings made of brass

For inserting into express coupling made of brass, size 1" to 1 1/2", fine-mesh stainless steel strainer for filtering slightly dirty liquids

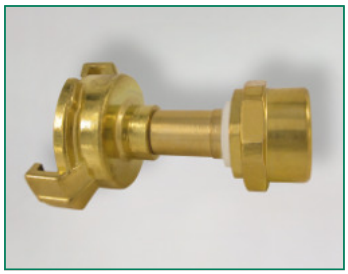
Item-No.:	Length: L	Packing unit:
33903 5	26	9/1674

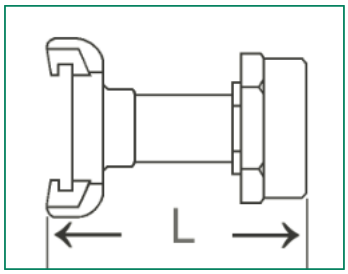




Brass spray nozzle, "Siro", with express coupling

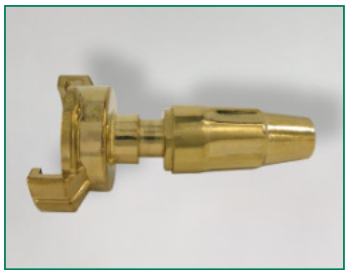
Item-No.:	Connection:	Length: L	Packing unit:
34941 6	1/2"	76	5/120
34942 3	3/4"	76,5	5/120
34943 0	1"	86	5/ 50

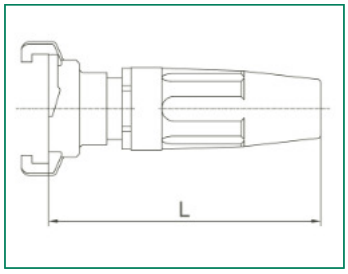




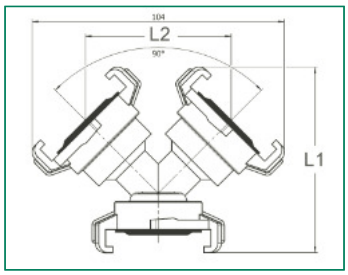
Brass spray nozzle, heavy version, with express coupling

Item-No.:	Connection:	Length: L	Packing unit:
33511 2	1/2"	82 - 86	6/60
33512 9	3/4"	92 - 99	5/50
33513 6	1"	104 - 113	4/40





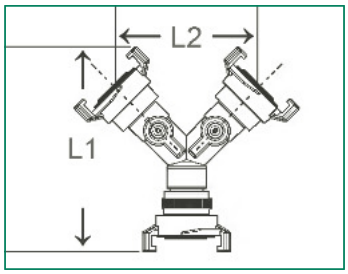
Y-connector made of brass



With 3 express couplings, suitable for all sizes of 3/8" to 1 ½"

Item-No.:	Item-No.:	Length:		Packing unit:
KTW-A seal black	DVGW seal red	L1	L2	
34993 5	34997 3	76	60	3/30

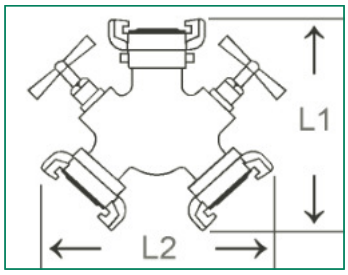
Twin tap connector made of brass



2 outlets individually adjustable by ball valves, 3 express couplings

Item-No.:	Length: L1	L2	Packing unit:
53306 8	127	88	6/120

Two-way stopcock made of brass



With 3 express couplings, 2 outlets individually adjustable by upper valve parts

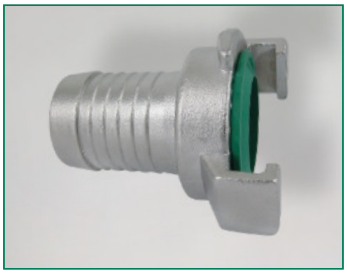
Item-No.:	Nominal diameter:	Length:		Pack. unit:
		L1	L2	
34996 6	15	124	123	5/60

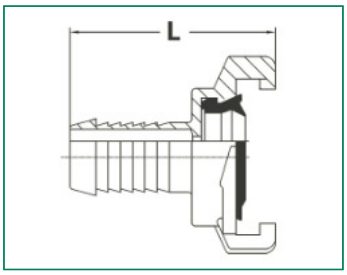
Series EST

Express claw couplings, stainless steel (1.4401), internal cam distance 40 mm, to match the current systems, FKM-seal, temperature range: app. – 20°C to + 200°C, bursting pressure: min. 30 bar

Coupling with tailpiece

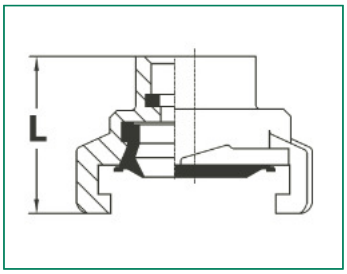
Item-No.:	Connection:	Length: L	Packing unit:
33001-1.4401	1/2"	48,5	10/200
33002-1.4401	3/4"	52,5	10/150
33003-1.4401	1"	58	10/150
33004-1.4401	1 ¼"	66,5	-/-



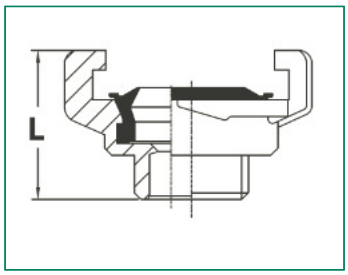


Coupling, female threaded

Item-No.:	Connection:	Length: L	Packing unit:
33101-1.4401	1/2"	32	10/170
33102-1.4401	3/4"	32	10/200
33103-1.4401	1"	33	10/200

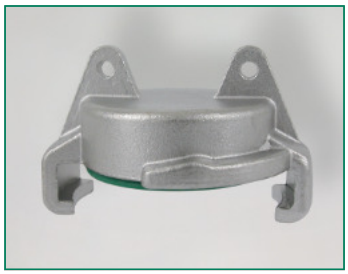


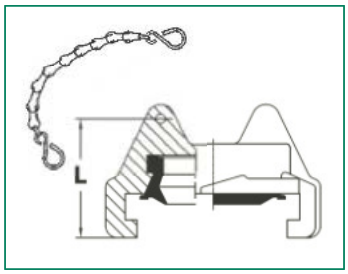
Coupling, male threaded



Item-No.:	Connection:	Length: L	Packing unit:
33201-1.4401	1/2"	33	10/200
33202-1.4401	3/4"	33	10/ 170
33203-1.4401	1"	33	10/ 150

Blind cap

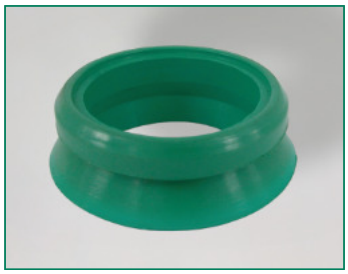


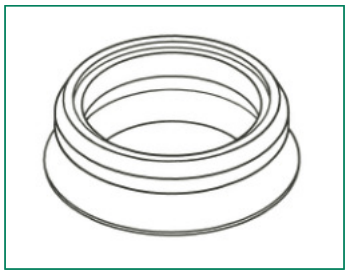


Fits all sizes, hole for attaching a chain (without chain)

Item-No.:	Conn. for borehole:	Length: L	Packing unit:
33901-1.4401	2,5	33	10/ 200

Replacement seal for express couplings made of brass





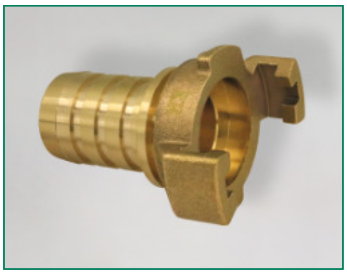
Fits all quick couplings with cam width 40 mm. Material: **FKM, green.**
KTW-A and W-270 tested. Suitable for drinking water.

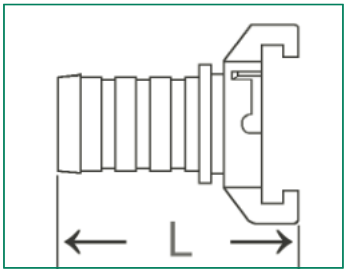
Item-No.:	Connection:	Packing unit:
33902-FKM	Ø 35,5 x Ø 32,5 x 12	100/500

Express claw couplings of forged brass, internal cam distance 41 mm, heavy version (French model)

Coupling with tailpiece

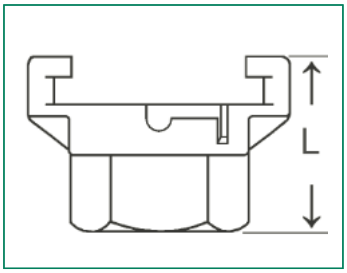
Item-No.: **without** sealing	Item-No.: **with** sealing	Hose tail mm:	Length: L	Packing unit:
33080 3	33080-D	7/ 9 (1/4")	65	10/250
33081 0	33081-D	8/10	65	10/140
33084 1	33084-D	9/ 11	65	10/150
33085 8	33085-D	10/12	65	10/140
33086 5	33086-D	11/ 13	65	10/150
33087 2	33087-D	13/16	65	10/140
33089 6	33089-D	16/18 (5/8")	65	10/120
33082 7	33082-D	19/21 (3/4")	65	10/ 110
33083 4	33083-D	25/27 (1")	65	10/100



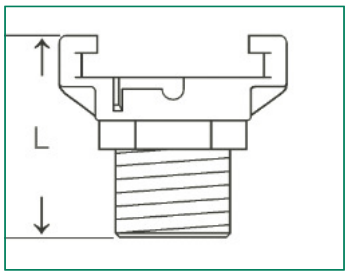


Coupling, female threaded

Item-No.: **without** sealing	Item-No.: **with** sealing	Connection:	Length: L	Packing unit:
33189 3	33189-D	1/4"	33	10/160
33180 0	33180-D	3/8"	33	10/180
33181 7	33181-D	1/2"	32	10/160
33182 4	33182-D	3/4"	34,5	10/160
33183 1	33183-D	1"	36	10/140
33184 8	33184-D	1 ¼"	43,5	10/ 80

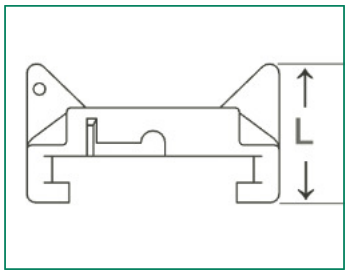


Coupling, male threaded



Item-No.: **without** sealing	Item-No.: **with** sealing	Connection:	Length: L	Packing unit:
33289 0	33289-D	1/4"	39	10/180
33280 7	33280-D	3/8"	39	10/180
33281 4	33281-D	1/2"	37	10/160
33282 1	33282-D	3/4"	38	10/150
33283 8	33283-D	1"	39	10/140
33284 5	33284-D	1 ¼"	43,5	10/100

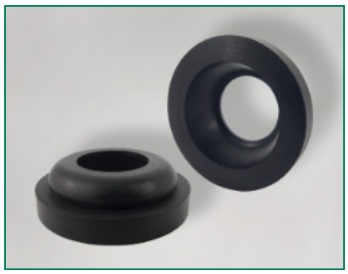
Blind cap

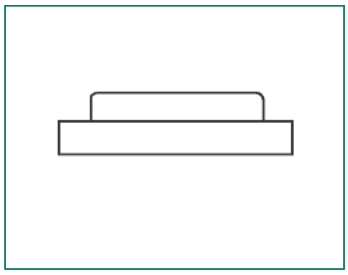


Fits all sizes, hole for attaching a chain (without chain), french model

Item-No.: **without** sealing	Item-No.: **with** sealing	Borehole:	Length: L	Packing unit:
33909 7	33909-D	3,5 mm	43,5	10/160

Replacement seal for express couplings made of brass





For couplings 41 mm, material: **NBR, black,** water and oil resistant

Item-No.:	Connection:	Packing unit:
33908 0	Ø 34,5 x Ø 16,5 x 10,5	100/1000

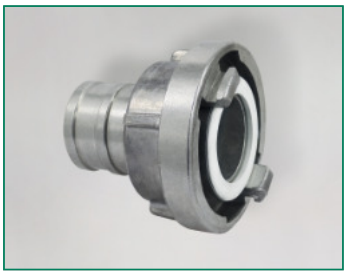
Quick coupling, System Storz

Material: Coupling made of aluminium ADC12 (die casting process); Seal made of NBR

Operating pressure: PN16 ; Production (depending on coupling type) according to DIN 14333, DIN 14334, DIN 14335

Suction coupling system „Storz“ for hose

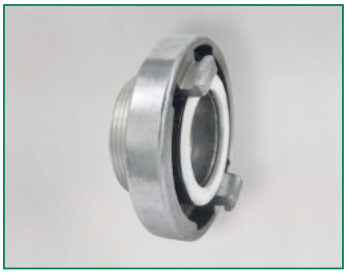
Quick coupling made of aluminium



Item-No.:	Hose:	Internal diameter: mm	Storz-size:	Lug spacing:	Packing unit:
33803 8	1"	25	25-D	31	1/-
33803-66	1"	25	52-C	66	1/-
33804 5	1 ¼"	32	52-C	66	1/-
33805 2	1 ½"	38	52-C	66	1/-
33806 9	2"	52	52-C	66	1/-
33808 3	3"	75	75-B	89	1/-
33809 0	4"	100	110-A	133	1/-

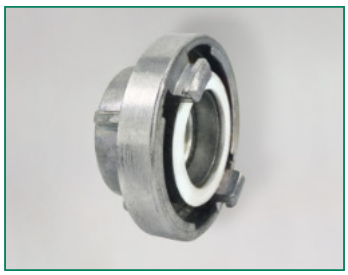
Fixed coupling with male thread; system „Storz“

Quick coupling made of aluminium



Item-No.:	Male thread:	Male: mm	Storz-size:	Lug spacing:	Packing unit:
33823 6	G 1"	33	25-D	31	1/-
33823-66	G 1"	-	52-C	66	1/-
33824-66	G 1 ¼"	42	52-C	66	1/-
33825-66	G 1 ½"	48	52-C	66	1/-
33826 7	G 2"	60	52-C	66	1/-
33826-89	G 2"	-	75-B	89	1/-
33827 4	G 2 ½"	75	52-C	66	1/-
33827-89	G 2 ½"	75	75-B	89	1/-
33828 1	G 3"	88	75-B	89	1/-
33829 8	G 4"	113	110-A	133	1/-
33829-412	G 4 ½"	-	110-A	133	1/-

Fixed coupling with female thread; system „Storz“



Quick coupling made of aluminium

Item-No.:	Female thread:	F: mm	Storz-size:	Lug spacing:	Packing unit:
33812 0	G 3/4"	25	25-D	31	1/-
33813 7	G 1"	31	25-D	31	1/-
33813-66	G 1"	-	52-C	66	1/-
33814 4	G 1 ¼"	40	52-C	66	1/-
33815 1	G 1 ½"	45	52-C	66	1/-
33816 8	G 2"	57	52-C	66	1/-
33816-89	G 2"	-	75-B	89	1/-
33817 5	G 2 ½"	73	52-C	66	1/-
33817-89	G 2 ½"	73	75-B	89	1/-
33818 2	G 3"	86	75-B	89	1/-
33819 9	G 4"	111	110-A	133	1/-
33819-115	G 4"	-	100	115	1/-

Reduction piece, system „Storz“

Quick coupling made of aluminium

Item-No.:	Storz-size:	Lug spacing:	Packing unit:
33842 7	52-C/25-D	66/31	1/-
33843 4	75-B/52-C	89/66	1/-
33844 1	110-A/75-B	133/89	1/-

Adapter with quick coupling, system „Storz“

Aluminium

Item-No.:	Storz-size:	Lug spacing:	Packing unit:
33848-66	52-C/1 ½"	66/40	1/-

Blindcoupling, system „Storz“

Aluminium, with chain

Item-No.:	Storz-size:	Lug spacing:	Packing unit:
33891 5	25-D	31	1/-
33892 2	52-C	66	1/-
33893 9	75-B	89	1/-
33894 6	110-A	133	1/-

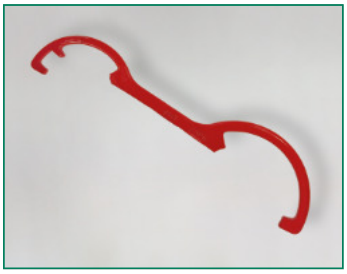
Repair sleeve, system „Storz“

Aluminium

Item-No.:	Storz-size:	∅ mm	Lug spacing:	Packing unit:
33853 3	52-C	52		1/-
33858 8	75-B	75		1/-

Coupling spanner, system „Storz“

Malleable cast iron, painted red



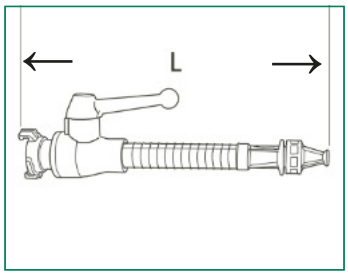
Item-No.:	Storz-size: A-B-C	∅ mm	Lug spacing:	Packing unit:
33862 5	110-75-52			1/-

Joint, system „Storz“

without illu., NBR

Item-No.:	Storz-size:	∅ mm	Lug spacing:	Packing unit:
33950	25-D		31	-/-
33951 6	75-B		89	-/-
33952 3	52-C		66	-/-
33954	110-A		133	-/-

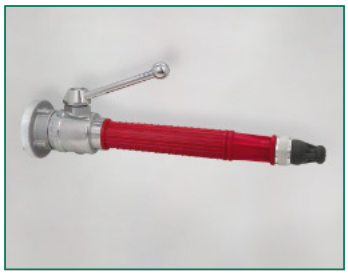
Fire hose nose

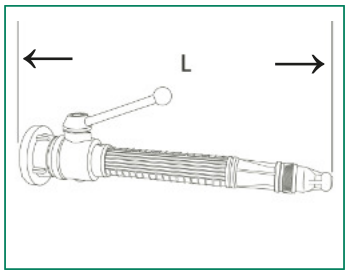


Coupling: quick German coupling 1"
Materials: aluminium and plastics

Item-No.:	Type:	Total length: L	Notch distance:	Packing unit:
34973 7	D	290 mm	-/-	1/-

Fire hose nose





Coupling: Storz adapter
Materials: aluminium and plastics

Item-No.:	Type:	Total length: L	Notch distance:	Packing unit:
34975 1	25-D		31	1/-
34974 4	52-C	450 mm	66	1/-
34976 8	75-B		89	1/-

Y-distributor with valve shut-off and C-couplings: system „Storz“

incl. screwable T-carrying handle

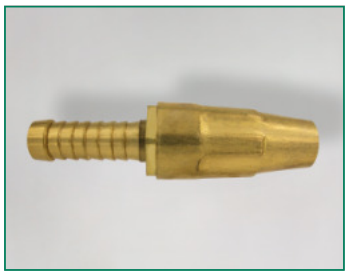
Item-No.:	Storz-size: Entrance x exit	Length: L	Lug spacing:	Pack. unit:
33872 4	75-B/89 x 2 x 52-C/66			1/-
Replacement carrying handle				
33872-01				1/-

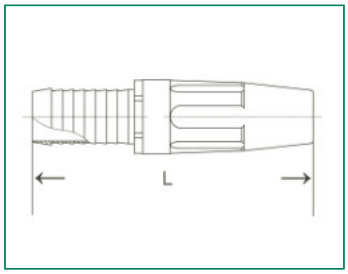
Spray nozzles made of brass

Brass spray nozzle

Heavy version with hose tail

Item-No.:	Hose tail:	Length: L	Packing unit:
33611 9	1/2"	88 - 93	12/120
33612 6	3/4"	103 - 110	8/ 80
33613 3	1"	126 - 135	4/ 40

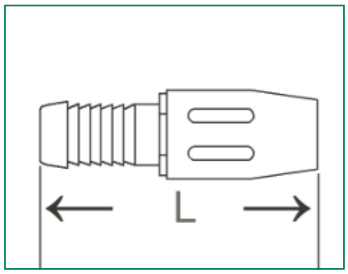




Brass spray nozzle

Professional version with hose tail, extended hosetail with increased end rib for better hose seat, continuously adjustable

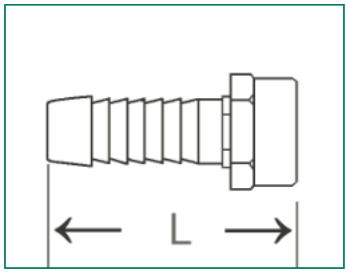
Item-No.:	Hose tail:	Length: L	Packing unit:
S-2448	3/4"	115	5/100



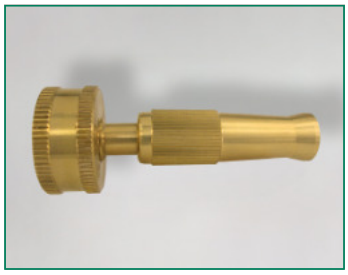
Brass spray nozzle, „Siro“

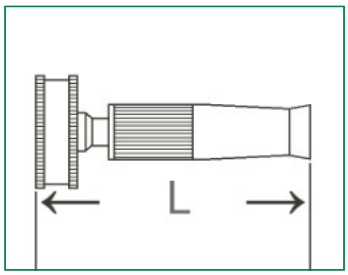
With rotating head and hose tail

Item-No.:	Hose tail:	Length: L	Packing unit:
34921 8	1/2"	67	10/300
34922 5	3/4"	68,8	10/100
34923 2	1"	90	6/ 60



Brass spray nozzle, „Maxi“



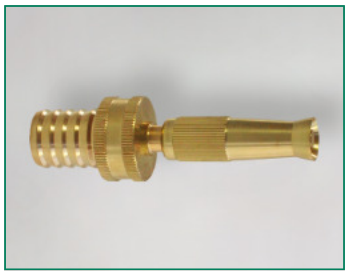


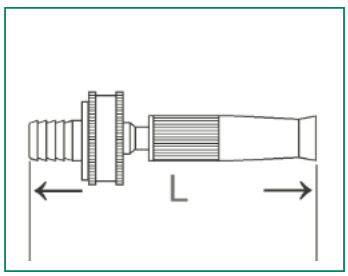
Medium-weight version with 3/4" female thread

Item-No.:	Connection:	Length: L	Packing unit:
34933 1	3/4"	L 3"	15/150
34934 8	3/4"	L 4"	-/240
34935 5	3/4"	L 3 ½"	-/240

Brass spray nozzle, „Maxi“

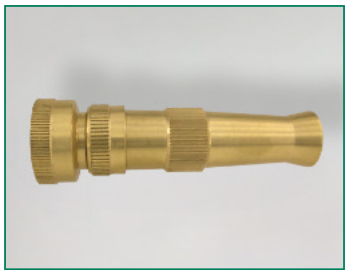
As before, but with mounted hose connector

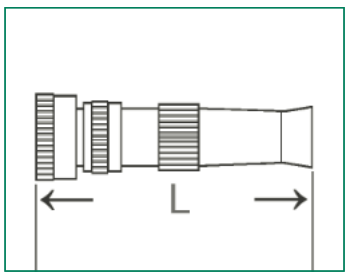




Item-No.:	Item-No.: Hose connector	Connection: Hose tail / Length L	Length: L	Pack. unit:
34926 3	34985 0	Hose tail conical: 3/4" to 5/8", L 3"		-/240
34927 0	34169 4	1", L 3"	107,5	-/240
34928 7	34152 6	3/4", L 3"	100	10/100
34931 7	34146 5	5/8", L 3"	98,5	10/100
34929 4	34985 0	Hose tail conical: 3/4" to 5/8", L 3 ½"	121,5	-/250
34930 0	34169 4	1", L 3 ½"		-/200
34938 6	34152 6	3/4", L 3 ½"		-/200
34939 3	34146 5	5/8", L 3 ½"	107	-/200
34936 2	34152 6	3/4", L 4"		-/200
34937 9	34146 5	5/8", L 4"	122	8/ 80

Brass spray nozzle, „Alpha“





Heavy version with 3/4 " female thread

Item-No.:	Item-No.:	Connection:	Length: L	Pack. unit:
34914 0		3/4"		10/80

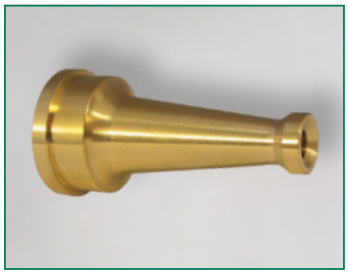
As before, but with mounted pipe socket

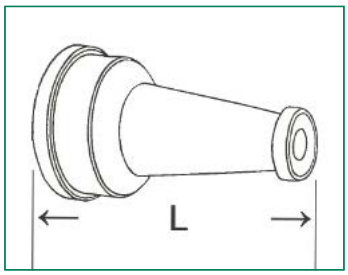
Item-No.:	Item-No.: Hose connector	Connection: Hose tail	Length: L L	Pack. unit:
34915 7	34169 4	1"	132,5	-/140
34916 5	34152 6	3/4"		-/140
34917 1	34146 5	5/8"		-/140
34919 5	34985 0	Spout conical: 3/4" to 5/8"		-/140

Brass nozzle

Plain brass

Item-No.:	Connection:	Length: L	Pack. unit:
S-2553	3/4" x 65 mm	65	10/240

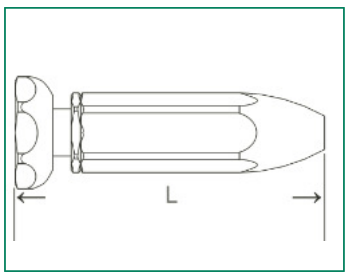




Brass spray nozzle (model „SWISS“)

Plain brass, hexagon nut with female thread and seal

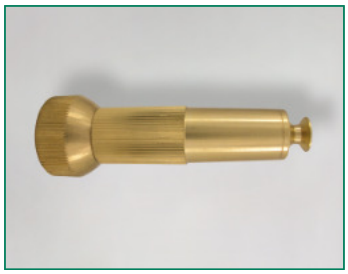
Item-No.:	Connection f:	Length: L	Packing unit:
34952 2	3/4"	103,5	-/100
34953 9	1"	103	-/ 90

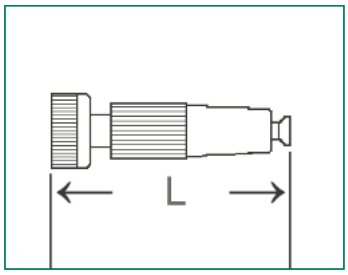


Brass spray nozzle (model „SWISS“)

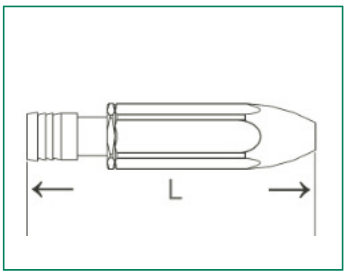
Plain brass, knurled nut with female thread and seal

Item-No.:	Connection f:	Length: L	Packing unit:
34913 3	3/4"	87,5	-/200



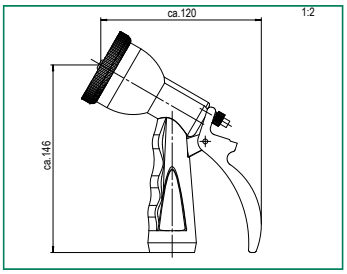


Brass spray nozzle with hose tail (model „SWISS“)



Item-No.:	Connection spout:	Length: L	Packing unit:
34955 3	13 mm	119	-/150
34956 0	16 mm	112	-/140
34957 7	19 mm	112	-/125

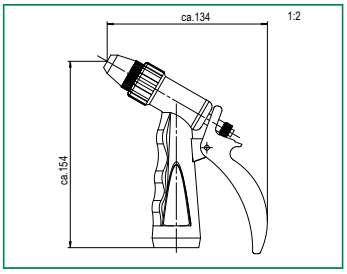
Garden hand shower



Made of aluminium, solid version, plastic-coated, female threaded connection 3/4 "with seal – adjustable to 6 operating modes.
With mounted brass express coupling.
Types of radiation:
- ⇨ normal spray
- ⇨ shower spray
- ⇨ jet spray
- ⇨ fog jet
- ⇨ fan jet
- ⇨ soft spray

Item-No.:	Connection:	Packing unit:
33093 3	3/4" female thread	1/48
without plug-in coupling		
33095 7	3/4" female thread	1/48

Garden spray pistol



Made of aluminium, solid version, plastic-coated, female threaded connection 3/4 " with seal, adjustable from spray to full beam. With mounted brass express coupling.

Item-No.:	Connection:	Packing unit:
33092 6	3/4" female thread	1/48
without plug-in coupling		
33094 0	3/4" female thread	1/48

Replacement flat seal for 33093 + 33092

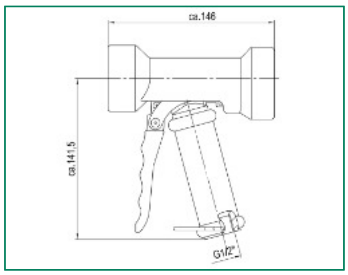
without illustration, material NBR

Item-No.:	Connection:	Packing unit:
33063 6	3/4"	-/2500

Cleaning pistol

Cleaning pistol for professional use, female thread 1/2", body made of brass CW617N, EPDM rubber coating, material and sealings according to the drinking water ordinance, jet type adjustable from fine spray to full flow, lockable for continuous operation, water temperature up to + 50°C, operating pressure: max. 24 bar, flow volume: 25 l/min. at 5 bar

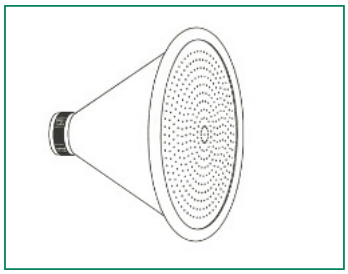
Item-No.:	Connection:	Packing unit:
34971 3	1/2" f	-/12



Brass shower head

Plain brass, female threaded, Ø 150 mm, boring Ø 0,8 mm, rubber protection ring

Item-No.:	Spout:	Length: L	Packing unit:
33528 0	3/4"	117 mm	1/36



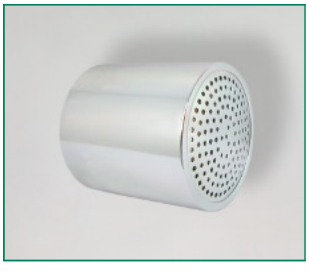
Shower head

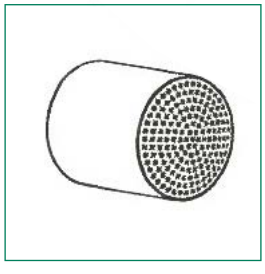
Aluminium, fan beam, female threaded with seal, removable stainless steel sieve - easy to clean

Item-No.:	Spout:	Ø Shower:	Ø Holes:	Packing unit:
33531 0	3/4"	52 mm, aluminium	0,7 mm	1/100
33533 4	3/4"	52 mm, aluminium	1 mm	1/100

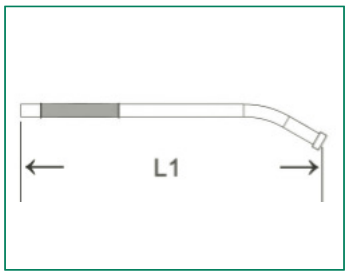
Aluminium, fan beam, female threaded with seal

Item-No.:	Spout:	Ø Shower:	Ø Holes:	Packing unit:
33537 2	3/4"	30 mm, aluminium	1 mm	1/100





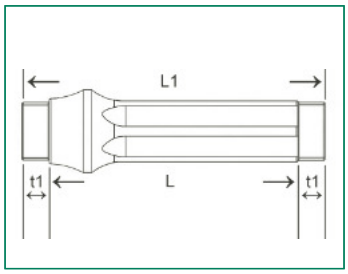
Outlet pipes



Aluminium, Ø tube 19 mm

Item-No.: with plastic handle	Item-No.: without plastic handle	Connecting threads: Aluminium	Length: L1	Packing unit:
33542 6	33543 3	AG x IG 3/4"	20 cm	-/-
33520 4	33521 1	AG x IG 3/4"	40 cm	1/50
33522 8	33523 5	AG x IG 3/4"	60 cm	1/50
33524 2	33525 9	AG x IG 3/4"	90 cm	1/50
33526 6	33527 3	AG x IG 3/4"	120 cm	1/40

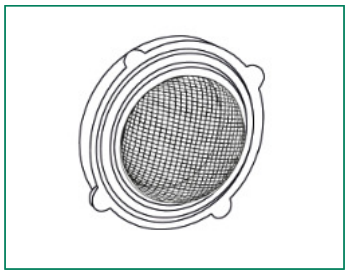
Plastic handle for outlet pipes



Plastic, Ø 19 mm

Item-No.:	Con.:	Length: L	Length: L1	Thread: t1	Thread: t2	Pack. unit:
33540 2	3/4"	115 mm	139 mm	12	12	-/500

Filter sieve



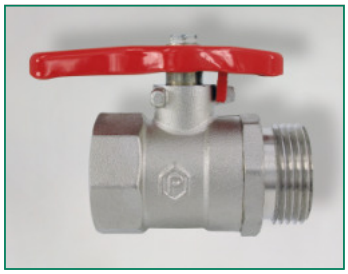
Filter sieves for outlet pipes

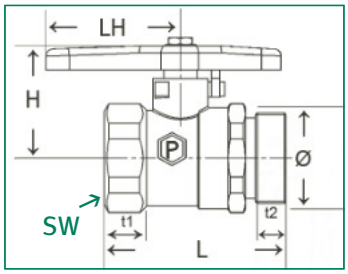
Item-No.:	Con.:	Length: L	Pack. unit:
3352x-Filter	3/4"		-/12

Brass ball valve for watering devices

Nickel plated, PN 25, red swivel handle, reduced flow, f/m, flat sealing

Item-No.:	Conn.:	Threadlength:		Length:				Packing unit:
		t1	t2	L	Ø	H	LH	
53212-11018	3/4"	10	12	53,5	29,5	33	39,5	-/60

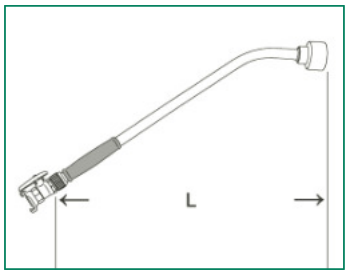




Casting unit set

Set consists of: brass quick coupling, nickel plated ball valve with red swivelling handle, aluminium rod Ø 19 mm with handle (plastic) and showerhead

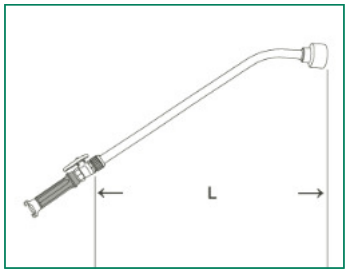
Item-No.:	Conn.:	Ø Shower:	Ø Hole:	Rod length L:	Pack. unit:
33550 1	3/4"	52 mm, Alu	0,7 mm	400 mm	1/-
33552 5	3/4"	52 mm, Alu	0,7 mm	600 mm	1/-
33554 9	3/4"	52 mm, Alu	0,7 mm	900 mm	1/-
33556 3	3/4"	52 mm, Alu	0,7 mm	1200 mm	1/-



Casting unit set

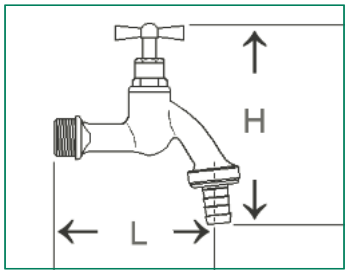
Set consists of: brass quick coupling, plastic handle Ø 19 mm, nickel plated ball valve with red swivelling handle, aluminium rod Ø 19 mm with showerhead

Item-No.:	Conn.:	Ø Shower:	Ø Hole:	Rod length L:	Pack. unit:
33559 4	3/4"	52 mm, Alu	0,7 mm	200 mm	1/-
33551 8	3/4"	52 mm, Alu	0,7 mm	400 mm	1/-
33553 2	3/4"	52 mm, Alu	0,7 mm	600 mm	1/-
33555 6	3/4"	52 mm, Alu	0,7 mm	900 mm	1/-
33557 0	3/4"	52 mm, Alu	0,7 mm	1200 mm	1/-



Taps made of brass

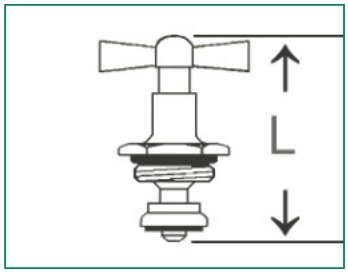
Tap



Upper part with double O-ring, including hose connection, optionally made of plastic or metal sheet

Item-No.: Spout plastic	Item-No.: Spout metal sheet	Conn.:	Execution:	Length: L	Height: H	Pack. unit:
52121-N	52121-N-B	1/2"	matt-chrome plated	91	117	5/ 60
52122-N	52122-N-B	3/4"	matt-chrome plated	92	120	5/ 40
-	52123-N-B	1"	matt-chrome plated	93	122	5/ 5
52131-N	52131-N-B	1/2"	polish. chrome-pla.	91	117	5/ 60
52132-N	52132-N-B	3/4"	polish. chrome-pla.	92	120	5/ 40
52141-N	52141-N-B	1/2"	blank-polished	91	117	5/ 60
52142-N	52142-N-B	3/4"	blank-polished	92	120	5/ 40
52151-N	52151-N-B	1/2"	blank-sandblasted	91	117	5/ 60
52152-N	52152-N-B	3/4"	blank-sandblasted	92	120	5/ 40

Upper valve part with T-handle



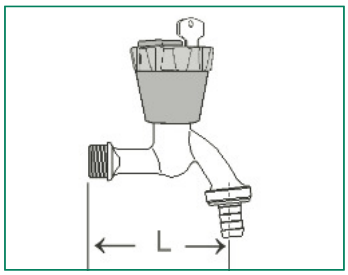
Made of brass with double O-ring, without non-return valve

Item-No.:	Connection:	Execution:	Length: L	Pack. unit:
52125 6	1/2"	matt-chrome plated	58	50/400
52126 3	3/4"	matt-chrome plated	54	35/280
52135 5	1/2"	polished chrome-plated	58	50/200
52136 2	3/4"	polished chrome-plated	54	35/140
52145 4	1/2"	blank-polished	58	50/200
52146 1	3/4"	blank-polished	54	35/140
52155 2	1/2"	blank-sandblasted	58	50/400
52156 3	3/4"	blank-sandblasted	54	35/280

Tap, lockable

Like 52121 or 52131, but with lockable valve bonnet „Water Safe“

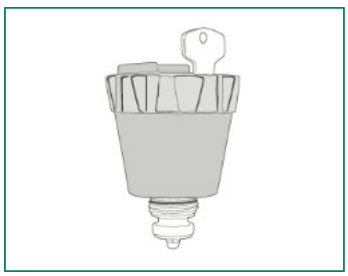
Item-No.:	Connection:	Execution:	Length: L	Pack. unit:
52124 9	1/2"	matt-chrome plated	92	1/-
52134 8	3/4"	polished chrome-plated	93	1/-



Valve bonnet „Water Safe“

Lockable valve top to outlet valves with T-handles

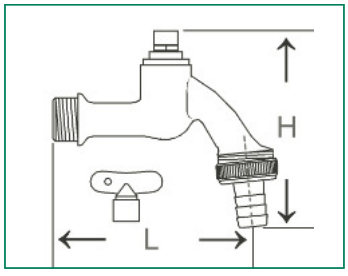
Item-No.:	Connection:	Execution:	Pack. unit:
52059 4	1/2"	Standard	1/50
52058 7	1/2"	with backflow preventer for taps with aerator	1/50



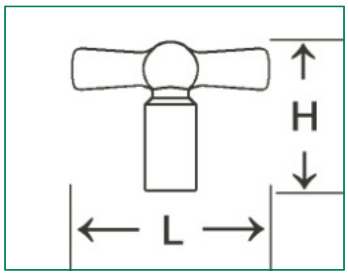
Tap

Tap with upper part for socket wrench, including socket wrench and hose connection

Item-No.:	Conn.:	Execution:	Length: L	Height: H	Pack. unit:
52051-N	1/2"	matt-chrome plated	92	110	5/ 60
52052-N	3/4"	matt-chrome plated	93	120	5/ 40
52053-N	1/2"	polished chrome-plated	92	110	5/ 60
52057 0		Key, loose	34,5	24	250/1000
52055 6	1/2"	Upper part for 52051 incl. key	48	63	50/ 200
52056 3	3/4"	Upper part for 52052 incl. key	57	72	35/ 280



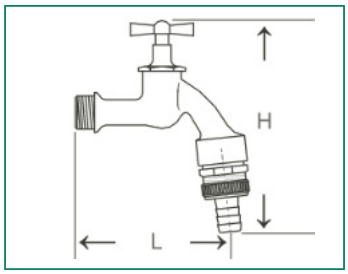
Socket wrench



Loose, chrome plated brass, suitable for sanitary upper parts

Item-No.:	Execution:	Length: L	Height: H	Packing unit:
52057-11712	Key loose, internal polygon	44	33	50/400

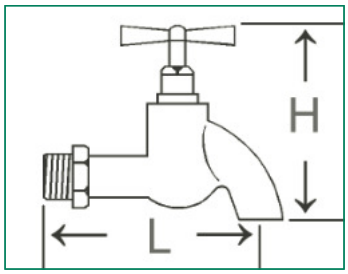
Tap



With T-handle and hose connection optionally made of plastic or metal sheet. With aerator according to DIN DVGW (size 1/2") and backflow preventer

Item-No.: Spout plastic	Spout metal sheet	Connec.:	Execution:	Length: L	Height: H	Pack. unit:
52041 9		1/2"	matt-chrome plat.	92	140	5/60
52042 6		3/4"	matt-chrome plat.	93	145	4/28
52061 7		1/2"	poli. chrome-plat.	92	140	5/60
52062 4		3/4"	poli. chrome-plat.	93	145	4/28
Packed in single carton:						
52041-K	52041-K-B	1/2"	matt-chrome plat.	92	140	1/60
52042-K	52042-K-B	3/4"	matt-chrome plat.	93	145	1/28
52061-K	52061-K-B	1/2"	poli. chrome-plat.	92	140	1/60
52062-K	52062-K-B	3/4"	poli. chrome-plat.	93	145	1/28

Tap



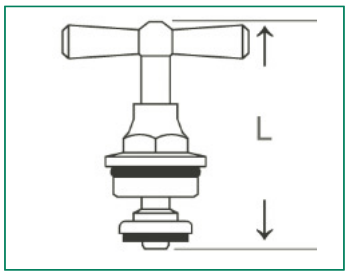
Smooth outlet

Item-No.:	Conn.:	Execution:	Length: L	Height: H	Pack. unit:
52091 4	1/2"	polished chrome-plated	95	82	5/120

Upper valve part with T-handle

Made of brass with a double O-ring and backflow preventer

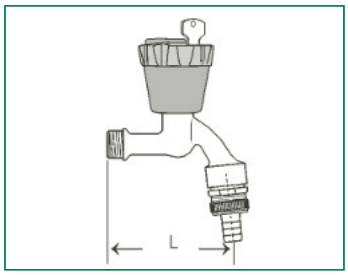
Item-No.:	Conn.:	Execution:	Length: L	Pack. unit:
52046 4	1/2"	matt-chrome plated	55	10/300
52046-3/4	3/4"	matt-chrome plated	58	10/250
52066 2	1/2"	polished chrome-plated	55	10/180



Tap, lockable

Like 52041 or 52061, but with lockable upper valve part „Water Safe“ (Item-No. 52059), with aerator according to DIN DVGW

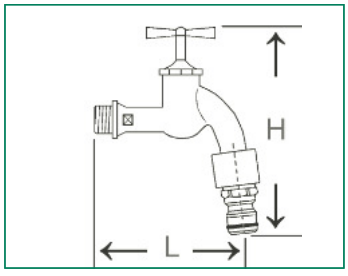
Item-No.:	Conn.:	Execution:	Length: L	Height: H	Packing unit:
52045 7	1/2"	matt-chrome plated	92		1/-
52063 1	1/2"	polished chrome-plated	92		1/-



Tap, frost-proof

Like 52061, but with hose connection for plug system made of brass, with integrated drain plug to drain before the frost period

Item-No.:	Conn.:	Execution:	Length: L	Height: H	Packing unit:
52064 8	1/2"	polished chrome-plated	92	150	5/60

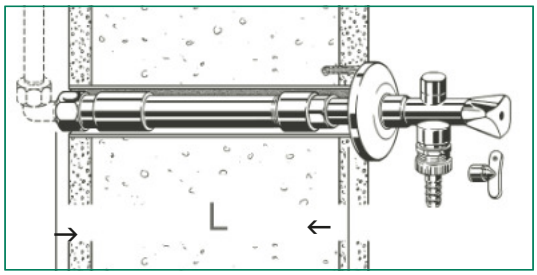


Tap water meter

Tap water meter with protective plastic cover, for connection to a drain valve with connection coupling with sealing holes, hose coupling, Qn 1.5, length 80 mm, temperature range up to 30 °C, rotatably, calibrated

Item-No.:	Dim. screw:	Dimension male thread:	Length:	Pack. unit:
52088 4	3/4" x 3/4"	1/2"	-	1/10
52089 1	3/4" x 1"	3/4"	-	1/10

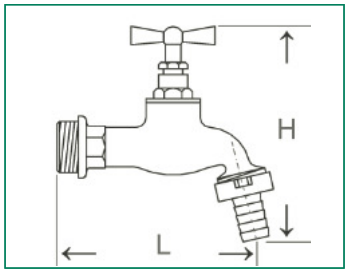
Tap frost-proof „Frost-Tec“



With anti-freeze protection for the use in outdoor areas, matt chrome plated, fully adjustable mounting depth 240-410 mm, with fixing material

Item-No.:	Conn.:	Execution:	Length: L	Packing unit:
52096 9	1/2"	matt-chrome plated	273 - 443 mm	1/12

Tap



Plain brass, with hose coupling (french model)

Item-No.:	Connection:	Discontin.:	Length: L	Height: H	Packing unit:
52181-N	1/2"	1/2"	87	110	5/ 60
52182-N	1/2"	3/4"	97,5	110	5/ 60
52183-N	3/4"	3/4"	97,5	120	5/ 60
52184-N	3/4"	1"	97	120	4/ 32
matt-chrome plated, without metal hose coupling					
52182-N-CR	1/2"	3/4"	97,5	110	5/ 60
35081-K	1/2"	3/4"			50/1500

Replacement-upper part with stuffing box (without illustration)

Item-No.:	screw-in-thread	for Item-No.:	Length:	Packing unit:
52186 7	3/8"	52181-N	-	/400
52187 4	1/2"	52182-N	-	40/160
52187 4	1/2"	52183-N	-	40/160
52188 1	3/4"	52184-N	-	10/ 130

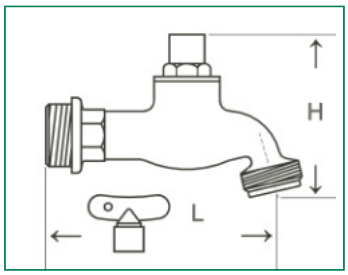
Tap

Tap made of brass with upper part for socket wrench (french model), chrome-plated, inclusive socket wrench, without hose connection

Item-No.:	Connection:	Discontin.:	Length: L	Height: H	Packing unit:
52180 5	1/2"	3/4"			5/60

Spare part to 52180 (without illustration):
upper valve part for outlet valve with socket wrench

Item-No.:	Connec.:	Execution:	Length:	Packing unit:
52055 6	1/2"	matt-chro. plat.	-	50/400



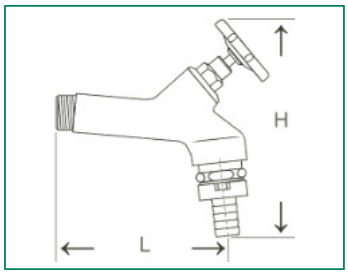
Tap with handwheel

Tap made of brass, matt-chromed, with aerator, hose coupling, top with handwheel

Item-No.:	Connec.:	Execution:	Length: L	Height: H	Packing unit:
52049 5	1/2"	3/4"	110	139	6/-

Replacement top with handwheel (without illustration)

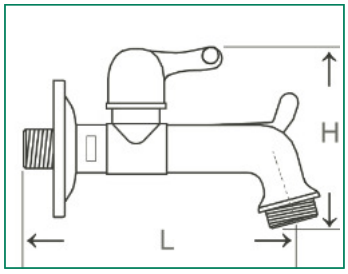
Item-No.:	Connec.:	Execution:	Length:	Packing unit:
52291-52049	1/2"	matt-chromed	75	10/250



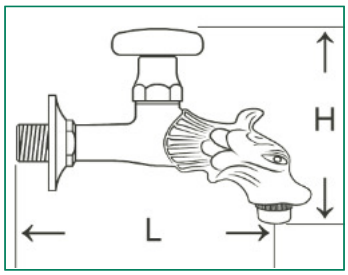
Tap

Made of polished brass, with long spout and lever, spout with spacer, including wall rose

Item-No.:	Connection:	Length: L	Height: H	Packing unit:
52070 9	1/2"	145	100	1/20
Replacement wall rosette:				
52076-52070				



Nostalgic tap



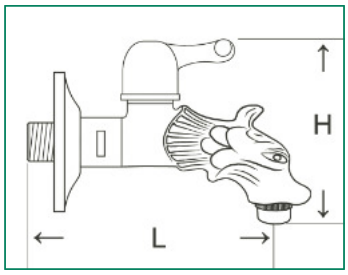
Made of polished brass, with **handwheel**, spout with spacer, with wall rose, threaded connection 1/2" with adapter nipple

Item-No.:	Connection:	Length: L	Height:	Packing unit:
52071 6	1/2"	146	125	1/20

Replacement:

Item-No.:	Description:	Packing unit:
52072 3	Upper valve part	-/-
52074 7	Handwheel	-/-
52075 4	Hexagon nut	-/2000
52076 1	Rosette	-/-
52077 8	Reducing nipple (3/8" x 3/4", m/m)	-/-

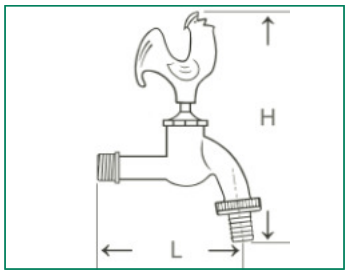
Nostalgic tap



Made of polished brass, with **lever**, spout with spacer, with wall rose, threaded connection 1/2" with adapter nipple

Item-No.:	Connection:	Length: L	Height:	Packing unit:
52079 2	1/2"	130	100	1/40
Replacement:				
52076-52070	Wall rosette			
52077 8	Reducing nipple (3/8" x 3/4", m/m)			

Tap



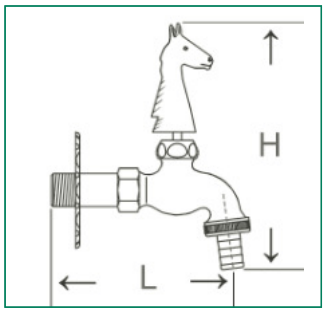
Made of polished brass, with upper part in form of a rooster, with hose connection

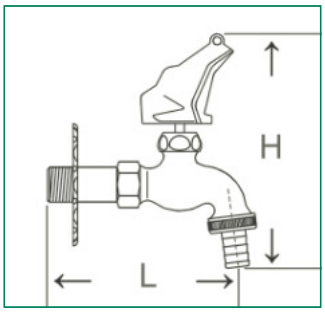
Item-No.:	Connection:	Length: L	Height: H	Packing unit:
52027 2	1/2"	95,5	160	5/60

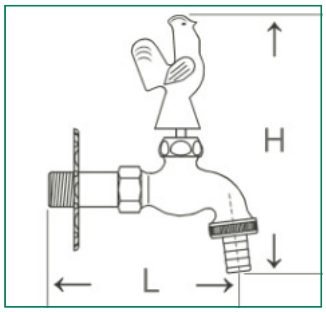
Nostalgic taps

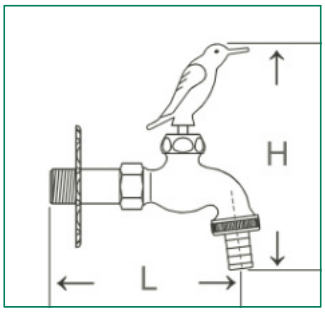
Brass patina, various animal motifs. Long distance to the wall, with massive brass wall rose, complete with hose connection 1/2" and spacer, individually packed in four-colour cartons

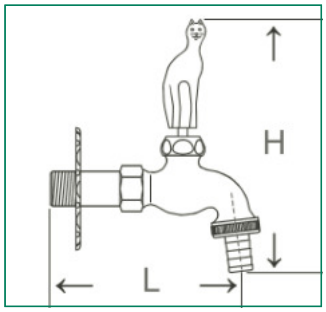
Item-No.:	Motif:	Motif-No.:	Connection:	Length:	Height:	Packing unit:
52170-E	Horsehead	1	1/2"	112	160	1/20
52171-E	Frog	2	1/2"	112	150	1/20
52172-E	Rooster	3	1/2"	112	160	1/20
52173-E	Bird	4	1/2"	112	145	1/20
52174-E	Cat	5	1/2"	112	160	1/20
52175-E	Fish	6	1/2"	112	160	1/20
52176-E	Duck	7	1/2"	112	135	1/20
Replacement seal for 52170-76, flat rubber seal						
52179 9				Ø 5 x Ø 12 x 3,5 mm		

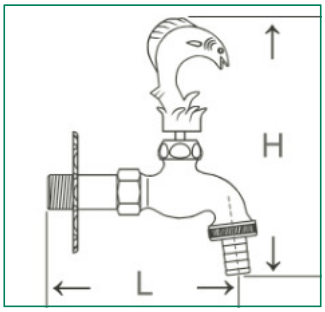


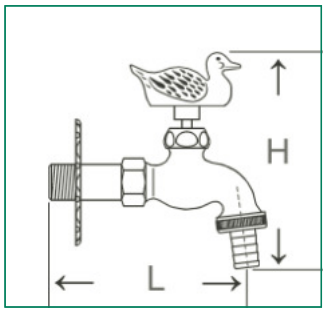




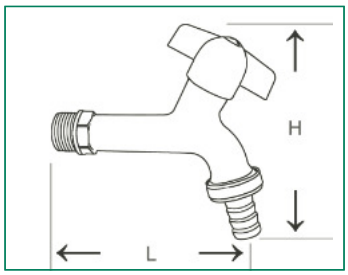








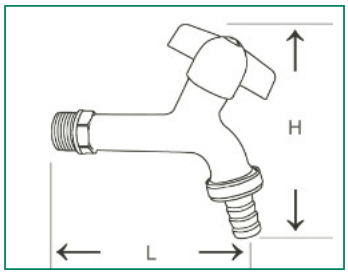
Bib tap



Valve body/handle made of PA6, RoHs- (Kat.2) / REACH-compliant, o-ring made of EPDM with KTW/W270 certification, upper part brass in accordance with DIN 50930-6, brass union nut, stainless steel spout

Item-No.:	Connec.:	Length: L	H	Packing unit:
52024-Blau	1/2"	103	110	-/180
as above, but without stainless steel spout				
52024-B-OT	1/2"	103		-/180

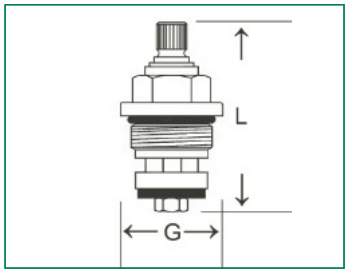
Bib tap



Valve body/handle made of PA6, RoHs- (Kat.2) / REACH-compliant, o-ring made of EPDM with KTW/W270 certification, upper part brass in accordance with DIN 50930-6, brass union nut, stainless steel spout

Item-No.:	Connec.:	Length: L	H	Packing unit:
52024-Grün	1/2"	103	110	-/180
as above, but without stainless steel spout				
52024-G-OT	1/2"	103		-/180

Inner top part

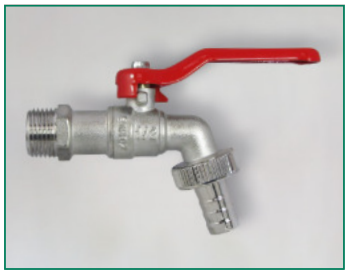


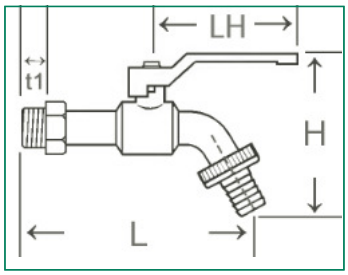
Forged brass, without grease chamber

Item-No.: suitable for 52024	Connec.:	Thread: L	G	Packing unit:
52028 0		43	20	-/-

Brass quarter turn tap (market model)

With spacer and hose tail, optionally made of plastic or metal sheet, red painted steel lever, material: MS 58 hot pressed, nickel plated

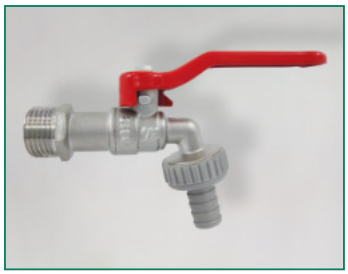


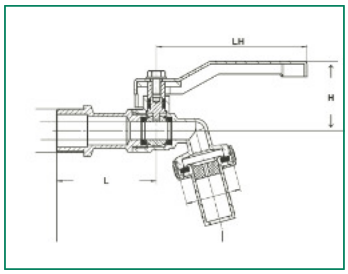


Item-No.: Spout Plastic red handle	Item-No.: Spout Plastic blue handle	Item-No.: Spout Metal sheet red handle	Connection:	Thread length: t1	Length/Height: L	H	Length handle: LH	Pack. unit:
53071 5	53071-Blau	53071-F	1/2"	13	112	54	77	6/ 90
53072 2	53072-Blau	53072-F	3/4"	13	120	58	77	5/ 75
53073 9		53073-F	1"	15	141	70	85	4/ 60
53077 7		53077-F	3/4" x 1/2" x 3/4"	13				6/120
53078 4		53078-F	3/4" x 3/4" x 1/2"	13			98	5/ 75

Brass quarter turn tap (market model)

Nickel-plated, with plastic hose tail, red painted steel lever

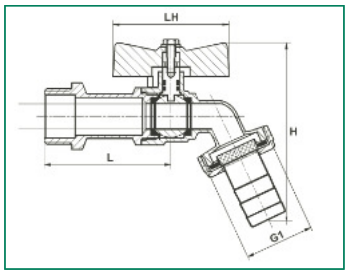




Item-No.:	Connection:	Thread-length: t1	Length: L	Height: H	Length handle: LH	Pack. unit:
53275 7	1/2"	-	45,5	31,7	75,5	10/100
53277 1	3/4"	-	45,5	33,1	75,5	-/

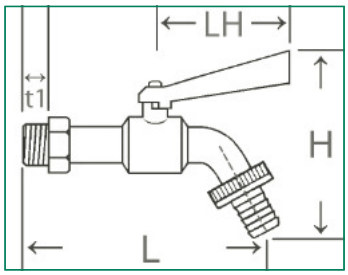
Brass quarter turn tap (market model)

Nickel-plated, with plastic hose tail, red painted aluminum T-handle



Item-No.:	Connection:	Thread-length: t1	Length: L	Height: H	Length handle: LH	Pack. unit:
53276 4	1/2"	-	75	77,5	44	12/120

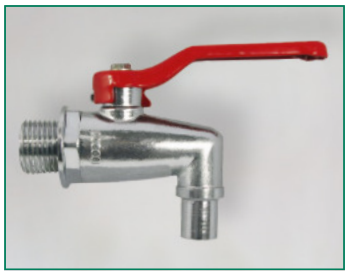
Brass quarter turn tap (heavy version)

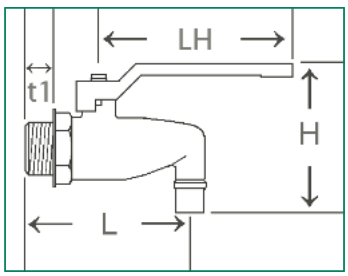


With spacer and metal sheet hose tail, aluminum lever with fixation (can be remounted, lockable), either red or blue, MS 58 hot pressed, nickel plated

Item-No.: Lever blue	Item-No.: Lever red	Connection:	Thread-length: t1	Length: L	Height: H	Length handle: LH	Pack. unit:
53271 9	53271-R	1/2"	12	102	103	56	4/ 64
53272 6	53272-R	3/4"	12,5	121	104,5	56	6/ 48
Replacement handles heavy version:							
53271-Griff	53271-R-Griff	1/2" + 3/4"				56	5/120

Brass ball valve, 90°

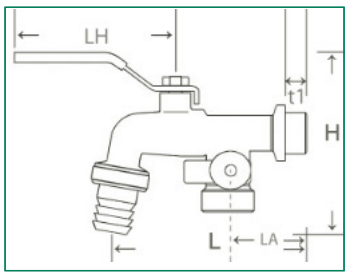




Pressed brass, chrome-plated, with straight spout, painted red steel lever

Item-No.:	Connect.:	Thread-length: t1	Length: L	Height: H	Length handle: LH	Packing unit:
53075 3	1/2"	11	65,5	59	77	5/60

Brass quarter turn tap



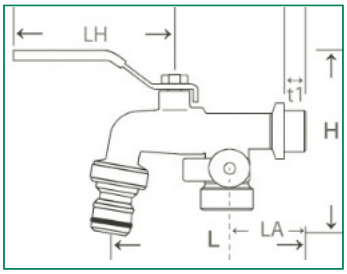
With 2 lockable outlets, spacer, with hose tail (metal sheet), separately lockable, steel lever with red plastic coating

Item-No.:	Con.: Entrance	Con.: Leaving	Thread-length: t1	Length: L	H	LH	Leaving: LA	Packing unit:
53076 0	1/2"	3/4"		99,2	100	82	41	4/32
53079 1	3/4"	1"		110		82	41	-/-

Brass quarter turn tap

With 2 lockable outlets, spacer, with plug-in connection system, separately lockable, steel lever with red plastic coating

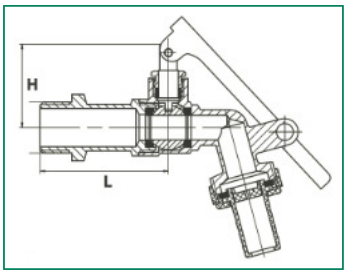
Item-No.:	Con.:	Con.:	Thread-length:	Length:				Packing unit:
							Leaving	
	Entrance	Leaving	t1	L	H	LH	LA	
53076-S	1/2"	3/4"		99,2	100	82	41	4/32
53079-S	3/4"	1"		110		82	41	-/-



Brass drain valve, lockable

Lockable, nickel-plated, with plastic hose screw connection, red painted steel lever, **without** lock

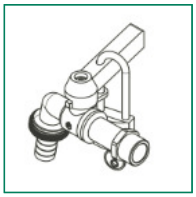
Item-No.:	Connec.:	Thread length:	Length:			Packing unit:
		t1	L	H	LH	
53273 3	1/2"		52	34		6/90
53274 0	3/4"		61,5	34		5/75

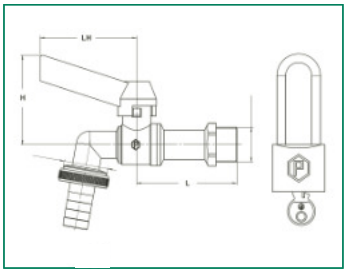


Brass drain valve, lockable

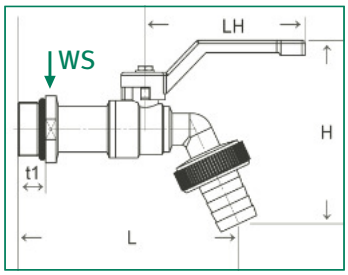
Lockable, nickel-plated, with brass padlock, 2 keys, blue aluminium handle

Item-No.:	Connec.:	Thread length:	Length:			Packing unit:
		t1	L	H	LH	
53081 4	1/2"		57,5	51,3	55,5	1/64
53082 1	3/4"		64,5	52,3	55,5	1/48
Spare part padlock, brass body, steel lock shackle chrome-plated, 2 keys						
53081-02	35 x 27 x 9,5 x 5,5 mm					





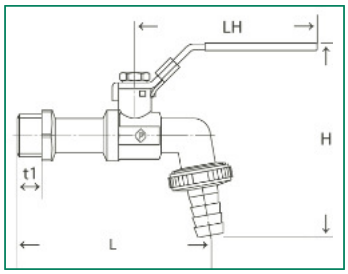
Brass quarter turn tap



Heavy version, self sealing, O-ring EPDM, hose tail made of sheet, steel lever in blue, wrench size 30

Item-No.:	Connec.:	Thread-length:	Length:			Packing unit:
		t1	L	H	LH	
53278-SD	3/4"	13	103	85	77	8/64

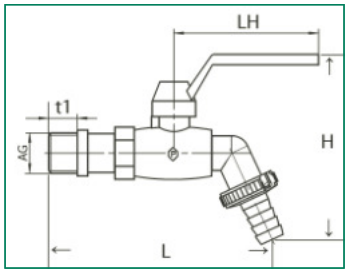
Stainless steel quarter turn tap



Water-carrying components AISI316 = 1.4401, stainless steel lever AISI304 = 1.4301 with blue plastic coating, lockable

Item-No.:	Connec.:	Thread-length:	Length:	Height:	Length handle:	Packing unit:
		t1	L	H	LH	
93071 3	1/2"	13	88	87	92	6/120
93072 0	3/4"	11	105	87	92	6/120
93073 7	1"	14	115	120	115	-/-

Polyamid ball valve



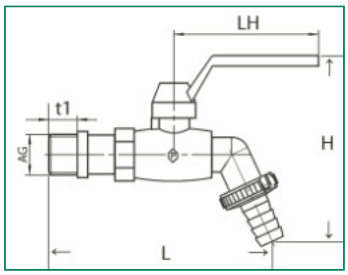
Lever red, with brass nut, hose tail made of stainless steel, PN 20

Item-No.:	Connec.:	Thread-length:	Length:	Height:	Length handle:	Packing unit:
		t1	L	H	LH	
53971-F	1/2"	15	116	97	75	6/72
53972-F	3/4"	15	116	97	75	6/90

Polyamid ball valve

Lever blue, male thread made of brass, plug-in coupling made of plastic

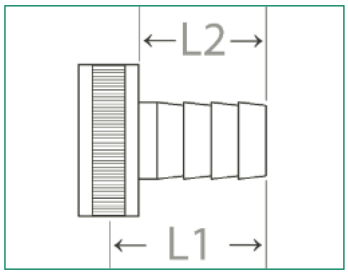
Item-No.:	Connec.:	Thread-length: t1	Length: L	Height: H	Length handle: LH	Packing unit:
53975 6	1/2"	15	110	92	80	6/72



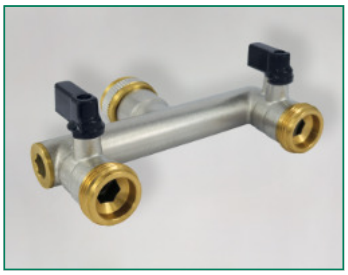
Hose screw connectors with knurled nut

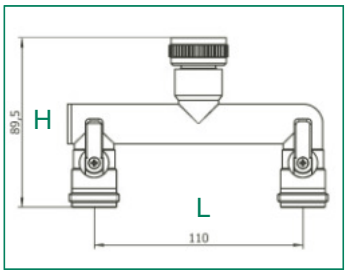
For use on ball valves

Item-No.:	Spout:	Thread:	Length: L1	Length: L2	Packing unit:
2-pieces, brass sheet, chrome-plated, with knurled nut					
35081-K taper joint	1/2"	3/4"	31,5	22,5	50/1500
35082-K taper joint	3/4"	1"	33,5	23,5	50/ 900
2-pieces, plastic, chrome-plated, with knurled nut					
35081/2/3-53071/2/3	1/2"	3/4"	34,3	23,3	50/1000
35081/2/3-53071/2/3-F	3/4"	1"	33,5	22,5	50/ 900
2-pieces, forged brass, chrome-plated, with knurled nut					
35081 8 flat joint	1/2"	3/4"	31,5	22,5	50/1000
35082 5 flat joint	3/4"	1"	33,5	23,5	50/ 900
35119 8 flat joint	1/2"	M 22 x 1	34,5	23	25/ 400
2-pieces, brass sheet, blank, with knurled nut					
35081-K-52141	1/2"	3/4"	31,5	22,5	50/1500
35082-K-52142	3/4"	1"	33,5	23,5	50/ 900
2-pieces, plastic, blank, with knurled nut					
35081-KU-52141	1/2"	3/4"	31,5	22,5	50/1500
35082-KU-52142	3/4"	1"	33,5	23,5	50/ 900



Multi-port ball valve, two-way valve

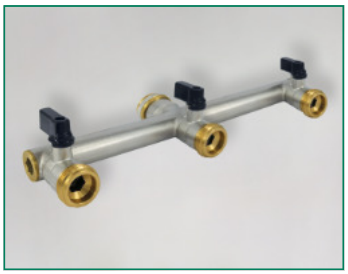


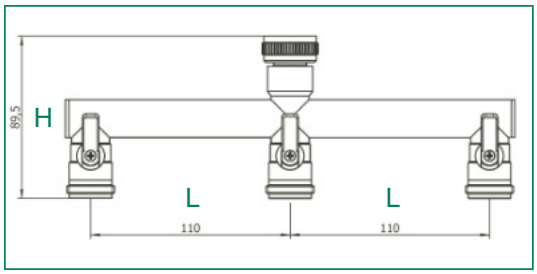


Brass nickel plated, straight, F/M, 2 x ball valve, separately lockable

Item-No.:	Connec.:	Durchgang:	Length:		Packing unit:
			L	H	
53304 4	3/4"	10 mm	110	89,5	6/36
53308 2	1"	14,5 mm	110	89,7	4/24

Multi-port ball valve, three-way valve





Brass nickel plated, straight, F/M, 3 x ball valve, separately lockable

Item-No.:	Connec.:	Durchgang:	Length:		Packing unit:
			L	H	
53305 1	3/4"	10 mm	110	89,5	3/18
53309 9	1"	14,5 mm	110	89,7	2/12

Plastic outlet tap

not illustrated/coming soon

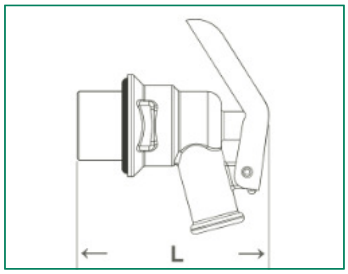
Plug-in coupling, plastic black

Item-No.:	Connec.:	Departure:	Length:		Packing unit:
	male		L	H	
S-4415	G 3/4"	∅			

Brass valve for oily substances

Plain brass, lever sheet of metal

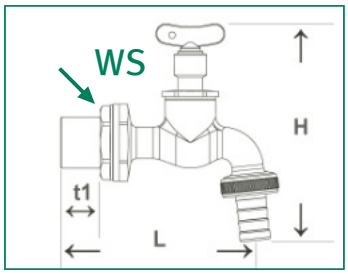
Item-No.:	Connec.: male	Departure:	Length: L	Length: H	Packing unit:
S-3315	G 3/4"	∅ 13 mm	70,4		6/72



Tap for rain barrels

Brass plain/nickel plated, for brass bushing for rain barrels, with lock nut

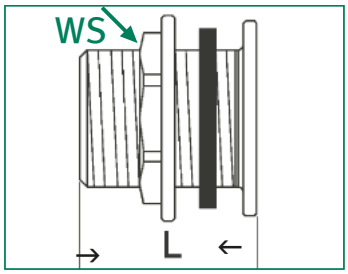
Item-No.: plain	Item-No.: nickel plated	Connection:	Length: L	Wrench size:	Packing unit:
52183-11156	52183-11156-cr	3/4" x 3/4"			6/48



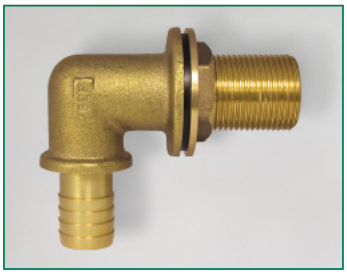
Brass bushing for rain barrels

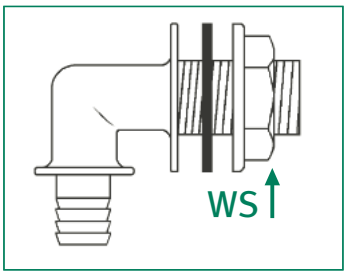
Includuing nut and NBR-seal

Item-No.:	Connection:		Length: L	Wrench size:	Packing unit:
34901 0	M G 1/2" x G 3/8"	nut F G 1/2"	24	24	10/250
34902 7	M G 3/4" x G 1/2"	nut F G 3/4"	27	30	10/200
34903 4	M G 1" x G 3/4"	nut F G 1"	32,5	37	10/100
34904 1	M G 1 ¼" x G 1"	nut F G 1 ¼"	37	45	10/ 60



Brass angle bushing for tanks

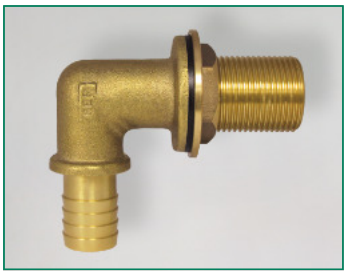


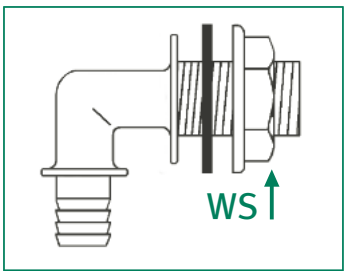


Includes nut and NBR-seal

Item-No.:	Connection:	Spout:	Wrench size:	Packing unit:
S-385-11463-N	F 1" x M 1"	25 mm	38	5/40
Spare parts:				
S-385-Dichtung	34 x 50 x 3 mm			-/-
S-385-Körper	only body, M 1"	25 mm		5/40
S-385-Mutter	F 1", Ø55 x 10,5 mm		38	

Brass angle bushing for tanks (market model)

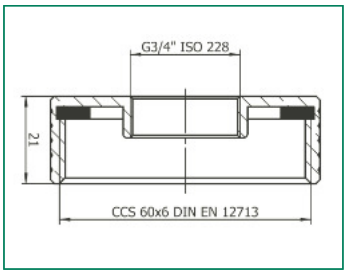




Includes nut and NBR-seal

Item-No.:	Connection:	Spout:	Wrench size:	Packing unit:
S-3213	F 1" x M 1"	25 mm	37	5/40
Replacement seal:				
S-3222-1/2-D	33 x 29 x Ø11 mm			

Brass barrel lid



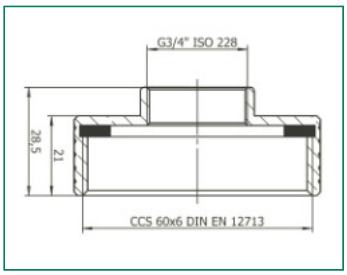
Plain brass, S60 x 6 thread (F) and F (connection thread), with seal

Item-No.:	Connection:	Packing unit:
S-4143	3/4"	-/-

Brass barrel lid

Plain brass, S 60 x 6 thread (F) and F turned inside out, with seal

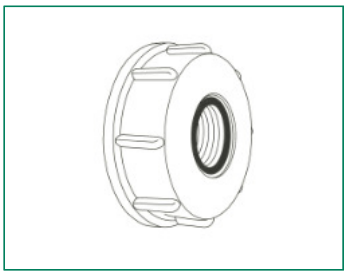
Item-No.:	Connection:	Packing unit:
S-4159	3/4"	-/-



IBC-adapter

S 60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, suitable only for service water

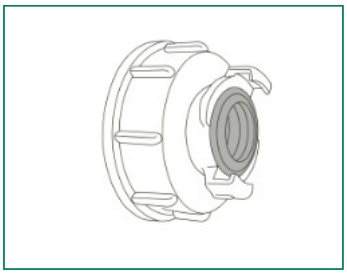
Item-No.:	Connection:	Packing unit:
92161 2	1/2"	25/400
92162 9	3/4"	25/400
92163 6	1"	25/400



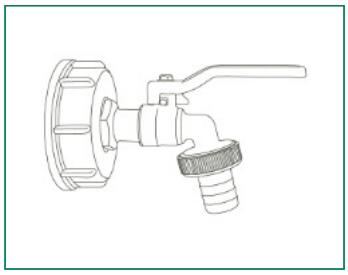
IBC-adapter with quick coupling made of brass

S 60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, with quick coupling made of brass 3/4", cam width 40 mm, suitable only for service water

Item-No.:	Connection:	Packing unit:
92182 7	3/4"	25/200



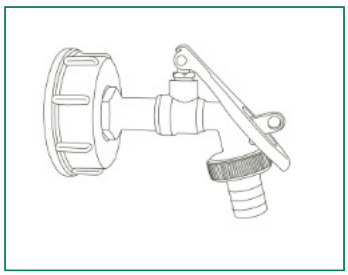
IBC-adapter with ball outlet valve



S60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, with ball outlet valve, matt chrome plated, hose connector, red steel lever, suitable only for service water

Item-No.:	Connection:	Packing unit:
92171 1	1/2"	10/120
92172 8	3/4"	10/ 80
92173 5	1"	5/ 40

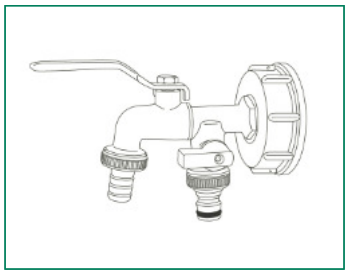
IBC-adapter with lockable ball outlet valve



S60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, with lockable ball outlet valve, matt chrome plated, hose connector, red steel lever, without padlock, suitable only for service water

Item-No.:	Connection:	Packing unit:
92174 2	1/2"	10/80
92175 9	3/4"	10/60

IBC-adapter with double ball outlet valve



S60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, with double ball outlet valve, matt chrome plated, hose connector, red steel lever, mini valve with quick connector (plug in system), suitable only for service water

Item-No.:	Connection:	Packing unit:
92176 6	1/2"	5/50

IBC-adapter with plastic outlet tap

S60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, mini valve with plug-in coupling, plastic black, suitable only for service water

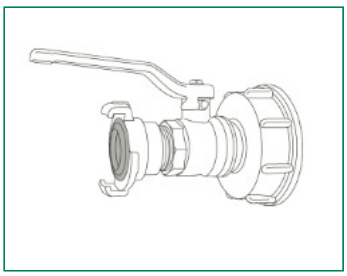
Item-No.:	Connection:	Packing unit:
92178 0		5/50

not illustrated/coming soon

IBC-adapter with ball valve and quick coupling made of brass

S60 x 6 coarse thread (F) and F (connection thread), with O-ring, HDPE-plastic black, with ball valve, M/M, red steel lever and quick coupling made of brass 3/4", cam width 40 mm, suitable only for service water

Item-No.:	Connection:	Packing unit:
92187 2	3/4"	5/40



IBC-connection- set

For grazing troughs, with flexible armoured hose, length 750 mm, suitable only for service water

Item-No.:	Connection:	Packing unit:
92192 6	3/4"	-/-

General Terms and Conditions of Sale of puteus GmbH

Section 1 Area of application, form

1. These General Terms and Conditions of Sale apply to all our business relationships with our Customers (hereinafter also referred to as Buyers). The General Terms and Conditions of Business apply only if the Buyer is an entrepreneur (Section 14 BGB (German Civil Code)), a legal entity under public law or a special fund under public law.

2. The General Terms and Conditions of Business apply, in particular, to contracts for the sale and/or delivery of movable Goods ("Goods"), irrespective of whether or not we manufacture the Goods ourselves or purchase them from suppliers (Sections 433, 650 BGB). Unless otherwise agreed, the General Terms and Conditions valid at the time of the Buyer's order or, in any case, as stated in the version last communicated to the Buyer in text form, shall also apply as a framework agreement to similar future contracts, without us being required to refer to them again in each individual case.

3. Our General Terms and Conditions of Business apply exclusively. Any varying, conflicting or supplementary general terms and conditions of business of the Buyer shall only become an integral part of the contract if and to the extent that we have expressly agreed to their validity. This consent requirement applies in all cases, for example including if the Buyer refers to their general terms and conditions of Business when placing an order and we do not expressly object to this.

4. Individual agreements (e.g. framework supply agreements, quality assurance agreements) and any information contained in our order confirmations, take precedence over the General Terms and Conditions of Business. In the case of doubt, trade clauses shall be interpreted in accordance with the Incoterms® issued by the International Chamber of Commerce in Paris (ICC), as stated in the version valid at the time of entering into the contract.

5. Legally relevant declarations and notifications by the Buyer in relation to the contract (e.g. setting deadlines, providing notification of defects, withdrawal or reduction), as well as subsequent amendments to the contract, are subject to the written form. The written form within the meaning of these General Terms and Conditions of Business includes written and text form (e.g. letter, e-mail). This does not affect statutory formal requirements or further proof, in particular in cases of doubt regarding the legitimacy of the party issuing a statement.

6. References to the validity of statutory provisions are for clarification purposes only. Even without such clarification, the statutory provisions shall, therefore, apply, unless they are directly amended or expressly excluded in these General Terms and Conditions of Business.

Section 2 Entering into a contract

1. Our offers are subject to change without notice and are non-binding, unless they are expressly marked as having binding force or contain a specific acceptance period. Our Customer may accept orders or contracts within 14 days of receipt.

2. Information made available by us regarding the subject matter of delivery or service (e.g. weights, dimensions, utility values, load-bearing capacity, tolerances and technical data or data sheets), as well as representations thereof (e.g. drawings and illustrations), are only approximate, unless the usability for the contractually agreed purpose requires precise conformity. They are not warranted characteristics, but descriptions or identifications of the delivery. Standard variations and variations due to legal regulations or technical improvements, as well as the replacement of parts with equivalent parts, are permissible, provided they do not impair the usability for the contractually intended purpose. Public statements (e.g. advertising statements, general promotions) made by us or other third parties (e.g. manufacturers) do not constitute an agreement regarding the quality and, in particular, do not contain any promise of guarantee.

3. The written contract, including these General Terms and Conditions of Business, is solely authoritative in respect of our legal relationship with the Buyer. This fully reflects all agreements between us and our Customer regarding the subject matter of contract. Verbal commitments made by us prior to entering into the contract are not legally binding, and verbal agreements between us and the Buyer shall be replaced by the written contract, insofar nothing to the contrary is expressly agreed between us and the Buyer in each case. Supplementary information or amendments to the agreement entered into, including these General Terms and Conditions of Business, are subject to the written form in order to be deemed valid. Telecommunication transmission, e.g. by e-mail, is sufficient to safeguard the written form requirement.

4. The order of Goods by the Buyer applies as a binding contractual offer. Insofar as nothing to the contrary is specified in the order, we shall be entitled to accept this contract offer within 4 weeks of receiving it. Acceptance may be stated either in writing (e.g. by order confirmation) or by delivering the Goods to the Buyer.

Section 3 Samples, product data

1. Delivered samples shall be invoiced at the contract prices and are to be remunerated.

2. The provisions of Section 454 BGB (purchase on trial basis) do not apply to the provision of samples.

3. Insofar as we make product data available to our Customers (e.g. drawings, technical data, data sheets, calculations and estimates) for products purchased by them, such product data may only be used and referenced in direct connection with the sale or resale of the products purchased from us. Furthermore, product data is subject to strict confidentiality. The same applies to visual representations and images (uniformly referred to as representations) that we provide or make available (e.g. on the internet or on our homepage).

4. We expressly prohibit the use of our product data and/or representations thereof to advertise competing products. Using our product data and representations beyond the scope of the distribution of our products for technical and/or sales-related purposes of any kind is similarly prohibited.

Section 4 Delivery period, force majeure, delay in delivery, partial deliveries

1. The delivery period shall be agreed individually or specified by us upon acceptance of the order. The periods and dates we state for deliveries and services are always only approximate, unless a fixed period or date has been expressly agreed. If we are unable to meet binding delivery periods for reasons for which we are not responsible (non-availability of the service), we shall inform the Buyer of this without delay and simultaneously provide notification of the expected new delivery period. The delivery period shall be deemed to have been complied with if, by the end of this period, the Goods have left our factory, or we have notified the Customer that they are ready for dispatch. If shipment has been agreed, delivery periods and delivery dates refer to the time of handover to the forwarding agent, carrier or other third party commissioned with the transport operation.

2. With regard to the start of the delivery period, it is taken for granted that all technical questions have been clarified.

3. We may demand that Customers extend delivery periods or postpone delivery dates by the period during which our Customer fails to fulfil their contractual obligations to us (e.g. failure to cooperate properly in the case of sampling).

4. We shall not be liable for the impossibility of delivery or for delays in delivery insofar as these are attributable to force majeure or other events that were not foreseeable at the time of entering into the contract (e.g. operational disruptions of any kind; difficulties in procuring materials or energy; transport delays; strikes; lawful lockouts; shortages of labour, energy or raw materials; difficulties in obtaining necessary official approvals; pandemics or epidemics; official measures or the non-delivery, incorrect delivery or late delivery by suppliers despite a congruent covering transaction entered into by us) for which we are not responsible. We shall be entitled to withdraw from the contract if such events render delivery or performance significantly more difficult or impossible for us, and the hindrance is not only temporary. In the event of temporary obstacles, the delivery or service deadlines shall be extended, or the delivery or service dates postponed by the duration of the hindrance plus a reasonable start-up period. If the Buyer cannot reasonably be expected to accept the delivery or service as a result of the delay, they may withdraw from the contract by notifying us in writing without delay.

5. We are only entitled to make partial deliveries if (i) the partial delivery is usable for the Buyer as part of the contractual purpose, (ii) delivery of the remaining ordered Goods is ensured, and (iii) this does not result in significant additional expenditure or additional costs for the Buyer (unless we agree to bear such costs).

6. The occurrence of delay in the delivery on our part, it shall be determined in accordance with the statutory provisions, subject to the proviso that delay shall only occur after a written reminder and expiry of a reasonable additional period, insofar as a fixed-date transaction does not apply.

7. This does not affect the Buyer's rights in accordance with Section 8 of these General Terms and Conditions of Business and our statutory rights, in particular in the event of an exclusion of the obligation to perform (e.g. due to impossibility or unreasonableness of performance and/or subsequent performance).

Section 5 Delivery, call-off, transfer of risk, default in acceptance

1. Delivery shall be made ex works, which shall also be the place of performance for the delivery and any subsequent performance. The Goods shall be shipped to another destination (sales shipment) at the Buyer's request and expense. Insofar as nothing to the contrary is agreed, we shall be entitled to determine the type of shipment (in particular, the transport company, shipping route and packaging).

2. If delivery on call has been agreed, all call-offs must be made by the Buyer within 12 months of entering into the contract at the latest, insofar as nothing to the contrary is agreed in writing.

3. The risk of accidental loss of and accidental deterioration in the Goods shall pass onto to the Buyer upon delivery at the latest. In the case of sales shipments, the risk of accidental loss of and accidental deterioration in the Goods, as well as the risk of delay, shall pass onto the carrier, freight forwarder or other person or company designated to perform the shipment, at the time the goods are handed over If acceptance has been agreed, this shall be authoritative over the transfer of risk. In other respects, the statutory provisions of the law governing work and service contracts apply accordingly to an agreed acceptance. The handover or acceptance shall be deemed to have occurred if the Buyer defaults in acceptance.

4. If the Buyer defaults in acceptance, fails to cooperate or delays our delivery for any other reason for which the Buyer is responsible, we shall be entitled to demand compensation for the resulting damage, including additional expenses (e.g. storage costs). The same applies following the passing of risk. If we store the Goods, the storage costs shall be 0.25% of the invoice amount of the delivery items for each full week that they are stored. This does not affect proof of higher damages and our legal claims (particularly reimbursement of additional expenses, reasonable compensation, termination). The asserted storage costs are to be counted towards further-reaching monetary claims. The Buyer is entitled to furnish proof that we have incurred no damage at all, or only significantly less damage than the value of the above lump sum.

5. We shall only insure the shipment against theft, breakage, transport damage, fire and water damage or other insurable risks at the Buyer's express request and expense.

6. The Buyer undertakes to return to us free of charge any reusable packaging we use. In the absence of statutory regulations to the contrary, disposable packaging must be disposed of by the Customer at their own expense.

7. If acceptance is required, the object of sale shall be deemed accepted if • Delivery has been completed, • We have notified the Buyer of this with reference to the deemed acceptance in accordance with this sub-section, and requested the Buyer to accept the item, • 20 working days have passed since delivery, or the Buyer has started to use the object of sale (e.g. has further processed the delivered object of sale (e.g. installation in a building) or resold it) and, in this case, 10 working days have passed since delivery, and • The Buyer has failed to accept the Goods within this period for a reason other than a defect reported to us that renders using the object of sale impossible or significantly impairs such use.

Section 6 Prices, terms and conditions of payment

1. Insofar as nothing to the contrary is agreed in individual cases, our prices in EUR valid at the time of entering into the contract shall apply, ex works, plus statutory value added tax. Additional or special services shall be charged separately. Insofar as the agreed prices are based on our list prices and delivery is to occur more than four months after entering into the contract, our list prices valid at the time of delivery shall apply (in each case less an agreed percentage or fixed discount).

2. a) In the case of sales shipments, the Buyer shall bear the transport costs ex works and the cost of any transport insurance requested by the Buyer. **b)** Any customs duties, fees, taxes and other public charges shall be borne by the Buyer.

3. The purchase price falls due and is payable within 14 days of invoicing and delivery or acceptance of the Goods.

4. The Buyer shall be in default upon expiry of the above payment period. During the period of default, interest shall be charged on the purchase price at the applicable statutory default interest rate (9 percentage points above the base rate in accordance with Section 288 (2) BGB). We reserve the right to assert a claim for further-reaching damage caused by default. This does not affect our claim to commercial interest on arrears (Section 353 HGB (German Commercial Code)) in dealings with merchants.

5. The Buyer shall only be entitled to set-off or retention rights, insofar as his claim has become res judicata, is recognised, is undisputed, or results from the same contract under which the affected delivery was made.

6. If, after entering into the contract, it becomes apparent (e.g. as a result of an application filed for the institution of insolvency proceedings) that our claim to the purchase price is at risk due to the Buyer's inability to pay, we shall be entitled to refuse performance in accordance with the statutory provisions and, if necessary, withdraw from the contract after setting a period (Section 321 BGB). In the case of contracts for the manufacture of non-fungible Goods (custom-made/one-off products), we may state our withdrawal immediately. This does not affect the statutory provisions regarding the dispensability of setting a period. In the event of late payment, we shall be entitled to withhold further deliveries until outstanding invoice amounts, including interest, have been settled.

Section 7 Reservation of title, tools

1. We shall retain ownership of the sold Goods up until all our current and future claims, resulting from the purchase contract and an ongoing business relationship (secured claims), have been paid in full.

2. The reserved Goods may not be pledged to third parties or transferred as security before the secured claims have been paid in full. The Buyer is to notify us without delay in writing if an application is filed for the institution of insolvency proceedings. The same applies in the event of an application for insolvency under self-administration or proceedings under the StaRUG (German Act on the Restructuring of Companies) or insofar as third parties (e.g. seizures) gain access to the Goods in our possession.

3. In the event of a breach of the contract by the Buyer, in particular non-payment of the due purchase price, we shall be entitled to withdraw from the contract in accordance with the statutory provisions and/or demand the return of the Goods as a result of the reservation of title. The demand for surrender does not simultaneously include a statement of withdrawal. Rather, we are entitled to demand only the return of the Goods and reserve the right to withdraw. If the Buyer fails to pay the due purchase price, we may only assert these rights if we have previously set the Buyer a reasonable period for payment in vain, or if such a period is dispensable according to the statutory provisions.

4. Until withdrawn in accordance with sub-section **c)** below, the Buyer shall be authorised to resell and/or process the reserved Goods in the ordinary course of business. In such a case, the following provisions apply in addition. The Customer shall store the Goods for us free of charge and shall be liable for the proper condition of the Goods. **a)** The reservation of title extends to the full value of the products created by processing or combining our Goods, whereby we are deemed the manufacturer. If the third party's ownership rights remain in force in the event of processing or combining with third party Goods, we shall acquire co-ownership in proportion to the invoice values of the processed, mixed or combined Goods. In other respects, the same shall apply to the resulting product as what applies to the delivered reserved Goods. **b)** The Buyer hereby assigns to us as security all claims against third parties resulting from the resale of the Goods or products, either in full or in the amount of our potential co-ownership share, in accordance with the above sub-section. We accept the assignment. The Buyer's obligations referred to in sub-section 2 also apply with regard to the assigned claims. **c)** The Buyer remains authorised to collect the claim alongside us. We undertake not to collect the claim, as long as the Buyer meets his payment obligations to us, there are no shortcomings in respect of his ability to pay and, we do not assert our reservation of title by exercising a right in accordance with sub-section 3. However, if this is the case, we may demand that the Buyer informs us of the assigned claims and their debtors, makes available all information necessary for collection, hands over the relevant documents, and informs the debtors (third parties) of the assignment. In addition, we shall be entitled in such a case to withdraw the Buyer's authority to resell and process the reserved Goods. **d)** If the realisable value of the securities exceeds our claims by more than 10%, we shall release securities of our choice at the Buyer's request.

5. a) Tools shall not become the Buyer's property, including if full costs are charged. They remain our property, unless expressly agreed otherwise. **b)** We draw attention to the fact that we shall scrap or otherwise recycle tools two years after the last parts have been manufactured.

Section 8 Buyer's warranty claims

1. Insofar as nothing to the contrary is specified below, the statutory provisions shall apply to the Buyer's rights in the event of material defects and defects in title, including incorrect or short delivery or faulty instructions. In all cases, this does not affect the special statutory provisions governing the sale of consumer Goods (Sections 474 et seq. BGB) or the Buyer's rights resulting from separately issued guarantees.

2. Our liability for defects is based primarily on the agreement entered into regarding the quality and intended use of the Goods. All product descriptions and manufacturer specifications that are the subject matter of the individual contract shall be deemed to be quality agreements in this sense. If the quality has not been agreed, the statutory provisions shall be used to assess whether or not a defect applies (Section 434 (3) BGB). We accept no liability for public statements made by the manufacturer or other third parties (e.g. advertising claims). 3. The warranty shall lapse if the Buyer modifies the delivery item or has it modified by third parties without our consent, and this renders it impossible or unreasonably difficult to rectify the defect. In any case, the Buyer shall bear the additional cost of rectifying the defect resulting from the modification.

4. We are generally not liable for defects that the Buyer is aware of at the time of entering into the contract or is unaware of due to gross negligence (Section 442 BGB). Furthermore, in the case of the Buyer's claims for defects, it is taken for granted that the Buyer has fulfilled his statutory obligations to inspect and provide notification of defects (Sections 377, 381 HGB). In the case of Goods intended for installation or further processing, an inspection is to be performed without delay at all times prior to installation/processing. If a defect becomes apparent upon delivery, inspection, or at any subsequent time, we are to be notified of this in writing without delay. In any case, written notification of obvious defects is to be provided within seven working days of delivery, and written notification of defects that are not apparent upon inspection is to be provided within the same time period once such defects are identified. If the Buyer fails to conduct the proper inspection and/or provide notification of defects, our liability for defects for which notification is not provided, is not provided in good time, or is not properly provided, is excluded in accordance with the statutory provisions. In the case of Goods intended for fitting, attachment or installation, this shall also apply if the defect only became apparent after processing as a result of a breach of one of these obligations. In such a case, the Buyer shall have no claims for reimbursement of corresponding costs ("Dismantling and installation costs").

5. a) If the delivered item is faulty, we may initially choose whether or not to provide subsequent performance by eliminating the fault (subsequent improvement) or by delivering a fault-free item (substitute delivery). If the type of subsequent performance chosen by us is unreasonable for the Buyer in individual cases, the Buyer may reject it. This does not affect our right to refuse subsequent performance under the statutory conditions. At our request, an existing delivery item is to be returned to us carriage paid. In the event of a justified complaint, we shall reimburse the costs of the cheapest shipping method. However, this shall not apply if the costs are increased by the fact that the delivery item is located at a place other than the place of intended use. **b)** In the event of defects in Goods from other manufacturers, which we are unable to rectify for licensing or practical reasons, we shall be entitled, at our discretion, to assert our warranty claims against the manufacturer or Supplier at the Buyer's expense or assign them to the Buyer. Warranty claims against us for such defects shall only apply under the other conditions and in accordance with these General Terms and Conditions of Business if the legal enforcement of the aforementioned claims against the manufacturer or Supplier was unsuccessful or offers no prospects of success, for example, due to insolvency.

6. We are entitled to render the required subsequent performance dependent on the Buyer paying the due purchase price. However, the Buyer is entitled to retain a portion of the purchase price that is proportionate to the defect.

7. The Buyer is to grant us the time and opportunity required to rectify the defect, in particular, to hand over for inspection the Goods for which a complaint has been lodged. In the event of a substitute delivery, the Buyer is to return the faulty item to us at our request in accordance with the statutory provisions. However, the Buyer has no right to demand a return. Subsequent performance shall neither include the removal, dismantling or uninstalling of the faulty item, nor the fitting, attachment or fitting of a non-faulty item, if we did not originally undertake to render these services. This does not affect claims by the Buyer for reimbursement of corresponding costs ("Dismantling and installation costs").

8. We shall bear or reimburse the expenses required for the purpose of inspection and subsequent performance, in particular transport, travel, labour and material costs and, where applicable, removal and installation costs, in accordance with the statutory provisions and these General Terms and Conditions, if a defect actually exists. Otherwise, we may demand reimbursement from the Buyer for the costs incurred as a result of the unjustified request to rectify the defect, if the Buyer knew or could have realised that in fact no defect existed.

9. In urgent cases, e.g. if operational safety is at risk or to prevent disproportionate damage, the Buyer has the right to rectify the defect himself and demand that we reimburse him for the objectively required expenses incurred in that regard. We are to be notified without delay, if possible, in advance, of any such action taken by the Buyer. The right to independently take such action shall not apply if we were entitled to refuse corresponding subsequent performance in accordance with the statutory provisions.

10. If a reasonable period set by the Buyer for subsequent performance has expired in vain, or is dispensable according to the statutory provisions, the Buyer may withdraw from the purchase contract or reduce the purchase price in accordance with the statutory provisions. However, there is no right of withdrawal in the case of an insignificant defect.

11. The Buyer's claims for reimbursement of expenses in accordance with Section 445a (1) BGB are excluded, unless the last contract in the supply chain is a consumer Goods purchase (Sections 478, 474 BGB). The Buyer's claims for damages or reimbursement of expenses in vain (Section 284 BGB) shall only exist in the event of defects in the Goods in accordance with the following provisions in Section 9 and Section 11.

12. In the case of the sale of used movable items, rights resulting from defects and all claims for damages are excluded. The above provisions on the exclusion of claims for damages in the case of used Goods neither apply to damage resulting from loss of life, physical injury or detrimental effects on health if we are responsible for the breach of duty, nor to other damage resulting from an intentional or grossly negligent breach of duty on our part. Breaches of duty by our legal representatives or vicarious agents are deemed equivalent breaches. This does not affect claims in accordance with the German Product Liability Act or the assumption of a guarantee or procurement risk.

Section 9 Other liability

1. Insofar as nothing to the contrary is specified in these General Terms and Conditions of Business, including the following provisions, we shall be liable for any breach of contractual and non-contractual obligations in accordance with the statutory provisions.

2. We shall be liable for damages – irrespective on whichever grounds these apply, – as part of fault-based liability in cases of intent and gross negligence. In cases of simple negligence, we shall only be liable, subject to statutory limitations of liability (e.g. diligence in our own affairs; insignificant breach of duty), **a)** for damages resulting from the loss of life, physical injury or detrimental effects on health, **b)** for damages resulting from the breach of an essential contractual obligation (an obligation the fulfilment of which is essential for the proper execution of the contract and on whose compliance the contractual partner regularly relies and may rely). However, in such a case, our liability is limited to compensation for foreseeable, common damage.

3. The limitations of liability resulting from sub-section 2 shall also apply to third parties and in the event of breaches of duty by persons (including for their benefit) for whose fault we are responsible under statutory provisions. The above exclusions and limitations of liability apply, in particular, to the same extent in favour of our executive bodies, legal representatives, employees and other vicarious agents. They shall neither apply in cases in which a defect has been fraudulently concealed, or a guarantee has been provided for the quality of the Goods, nor shall they apply to claims by the Buyer in accordance with the German Product Liability Act.

4. In the event of a breach of duty that does not constitute a defect, the Buyer may only withdraw from the contract or terminate it if we are responsible for the breach of duty. The Buyer's right to arbitrarily terminate the contract (in particular in accordance with Sections 650 and 648 BGB) is excluded. In other respects, the statutory requirements and legal consequences apply.

Section 10 Industrial property rights, copyrights

1. In accordance with this Section 10, we provide a guarantee such that the delivery item is free from third party industrial property rights or copyrights. Each contracting party shall notify the other without delay in writing if claims are asserted against them for the infringement of such rights.

2. In the event that the delivery item infringes a third party's industrial property right or copyright, we shall, at our discretion and expense, modify or replace the delivery item in such a way that no third party rights are infringed, but the delivery item continues to fulfil the contractually agreed functions, or procure the right of use for the Buyer by entering into a licensing agreement with the third party. If we do not succeed in doing so within a reasonable period of time, the Buyer shall be entitled to withdraw from the contract or reduce the purchase price appropriately. Any claims for damages by the Buyer are subject to the limitations of these General Terms and Conditions of Business.

3. We reserve the right of ownership and copyright to all offers and cost estimates we submit, as well as any documents made available to our Customers, such as drawings, technical data, data sheets, illustrations, calculations, catalogues, models, tools and other documents and aids. The Customer may not make such items or documents available to third parties, disclose them, use them himself or via third parties, or reproduce them without our express consent. At our request, our Customer is to return the items to us in full and destroy any copies made if they are no longer required by the Customer in the ordinary course of business, or if negotiations do not result in the parties entering into a contract. This does not apply to the storage of data made available electronically for the purpose of standard data back-up.

4. If we manufacture according to the Buyer's instructions, or render services according to their specifications, the Buyer undertakes – contrary to the preceding sub-sections – to indemnify us and, as part of a contract for the benefit of third parties, our suppliers against any third party claims resulting from infringements of property rights/copyrights and the like that are asserted against us.

Section 11 Statute of limitations

1. Irrespective of Section 438 (1) No. 3 BGB, the general limitation period for claims resulting from material defects and defects of title is one year from delivery. If acceptance has been agreed, the limitation period shall commence upon acceptance.

2. If the Goods are items that have been used for a building in accordance with their normal use and have caused its faulty nature, the limitation period shall be 5 years from delivery in accordance with the statutory provision (Section 438 (1) No. 2 BGB). Similarly, this does not affect other special statutory provisions on the statute of limitations (in particular Section 438 (1) No. 1, (3), Sections 444, 445b BGB).

3. The above limitation periods under sales law also apply to contractual and non-contractual claims for damages by the Buyer based on a defect in the Goods, unless application of the regular statutory limitation period (Sections 195, 199 BGB) would lead to a shorter limitation period in individual cases. The Buyer's claims for damages in accordance with Section 9 (2) Sentence 1 and Sentence 2 a), and in accordance with the German Product Liability Act, shall fall under the statute of limitations exclusively in accordance with the statutory limitation periods.

Section 12 Reservation of title

1. Executing the contract is subject to the proviso that no obstacles arise due to government sanctions or other delivery restrictions under foreign trade law, and that no embargo or other sanctions prevent delivery. The Buyer undertakes to furnish information and documents required for delivery or import.

2. This does not affect the provision in Section 4 (4) (force majeure and self-supply etc.).

Section 13 Choice of law, place of jurisdiction, contract language

1. The law of the Federal Republic of Germany, excluding international uniform law, in particular the UN Convention on Contracts for the International Sale of Goods (CISG), applies to these General Terms and Conditions and the contractual relationship between us and the Buyer.

2. German is deemed the contract language.

3. If the Buyer is a merchant within the meaning of the German Commercial Code, a legal entity under public law or a special fund under public law, our registered office shall be deemed the exclusive – including international – place of jurisdiction for all disputes resulting directly or indirectly from the contractual relationship. The same applies if the Buyer is an entrepreneur within the meaning of Section 14 BGB. However, in all cases we shall also be entitled to bring legal action at the place of performance of the delivery obligation in accordance with these General Terms and Conditions of Business or a prior individual agreement, or at the Buyer's general place of jurisdiction. This does not affect legal provisions that have priority, in particular those relating to exclusive competences.

puteus GmbH, Lenenweg 6, D-47918 Tönisvorst as of 2025

TECHNICAL INFORMATION

Size and weight

Unless otherwise stated, all dimensions are in millimeters (mm) and weights are in grams (g).

PN = nominal pressure in bars 1 bar 10N / cm² => ca. 10 m column of water
DN = nominal diameter in inches or mm 1" = 25,4 mm => ca. 25 mm

Nominal pressure is the maximum applicable pressure at the standard temperature, which, unless otherwise stated, is 20°C.

Nominal diameter is the excess pressure when all operational conditions are taken into consideration, including pressure surges. It depends on the operating temperature, the medium, the size of the component/valve, and, where applicable, the type of seal.

There are legal provisions or regulations that apply to certain areas of application and that take precedence over the guidelines provided in this catalog.

Medium

The details presented in this catalog with respect to pressure and temperature conditions refer to water.

Suitability for gases, oils, or glycolic or other media should be investigated in light of the operating pressure and operating temperature. Our applicability information may not be applied to media or operating conditions other than those that have been approved without our clearance.

Custom models

If there are no articles in our standard program that are suitable for your needs, we can also create custom models upon request. For this, we would need a detailed letter of inquiry with the corresponding number of units as well as drawings or sample parts.

Installation instructions

A)Screw thread

Connection dimensions and screw thread of complementary proportions must always be selected.

The screw thread should not be too strongly sealed with hemp or sealing tape, which is to say that after the hemp has been applied, the crest of the thread must still be visible. Sealing the thread too strongly will increase the pressure in the component. Over time, that pressure can cause cracks.

To avoid causing damage during installation, the components should be conventionally screwed in with the appropriate, customary tools, without ex cessive force and without lever extension.

Self-sealing valves must not be sealed further with hemp or sealing tape. The corresponding mating thread must be of sufficient length (min. 12 mm). Where applicable, components are only to be installed on the spanner flats provided for that purpose by means of a suitable spanner/pliers. Our products must be installed without tension in due consideration for the information above. Alignment, e.g., of connections that we provide by means of heating appliances, is prohibited because this can also cause tension cracks and secondary damage later on.

Where applicable, connecting different metals or alloys can cause corrosion, for which puteus GmbH cannot be held liable (e.g., connections between brass and stainless steel or copper with zinc-plated metals). These characteristics are to be checked before our products are installed. The components' pressure and sealing are to be carefully tested after installation. Where applicable, the installation instructions that are enclosed with the components are to be observed when doing so.

B) Gate valve

After disassembly/repairs/maintenance work, the upper section is only to be reassembled with a raised sealing wedge. Do not damage sealing surfaces/key seats. Tops are not available as spare parts.

C) Socket slide valve

These must only be installed in closed position. Key seats must not be damaged by screwing in pipes by force.

D) Ball valves

To ensure operability, for example, only set ball valves on very low static and dynamic power. Where applicable, the component should be supported by appropriate measures (e.g., pipe clamps or similar). The torque to be applied to the ball valve must only be applied to the spanner flats at the end that is being screwed in, otherwise there is a risk that the ball valve could be unsealed or cracked. Likewise, bodies and ball valve screwing components must not be screwed against one another. Doing so would also cause leaks and/or the risk of breakage.

E) Pipe and hose connections

According to DIN EN 1717 pipe and hose connections for devices that contain non-potable water (e.g. washing machines) must be connected to a water intake using a backflow preventer to avoid any backflow of polluted water into the potable water line.

Recommendations for the use of ball valves

1. General information

Ball valves serve as shut-off valves for pressurized media. The manufacturer's information on flow media, operating pressure and temperature range must be respected. Using other than approved media may shorten the ball valve´s lifespan or lead to a failure of the ball valve.

The installation may only be carried out in systems with equal pressures. Any possible pressure surges due to the quick-lock system must be taken into account as these may damage the piping system. The valve can be opened and closed by a 90° turn of the lever, intermediate positions of the lever are not allowed during the operating condition.

Ball valves should be stored in a dry place, free of dirt and without direct sunlight.

2. Installation and removal instructions

Ball valves may only be used in compliance with the requirements for their intended use. The installation must be carried out stress-free and with appropriate tools in a pressure less state only by qualified and trained staff. Do not turn the ball valve forcibly and do not use it to align the pipeline. The ball valve must be checked for damage before installation. Plumbing lines must be rinsed before first commissioning after maintenance and repairs.

Do not clamp the ball valve too tightly in a vise or something similar for pre-assembly in order to avoid damage and stress cracks on the body. According to the general installation instructions you must not seal the threads with too much hemp. The tips of the threads must remain visible. When in stalling the ball valve only use the designated spanner flat at the installation side to apply the counter-torque. Never apply the wrench to the body or to the side opposite of the installation side. Do not exceed the recommended tightening torque, any existing sensor plugs must be tightened to 15 Nm.

The handle must not be used as a mounting lever.

The use of quarter-turn ball taps is only allowed with free outflow to avoid a backflow of sewage into the pipeline. Quarter-turn ball taps are not suitable for the use in domestic water-pipe systems or as device connection taps. It is necessary to carry out functional and leak tests after installing and before the ball valve is put into operation for the first time.

3. Commissioning

Operating conditions and installation works must be checked again before commissioning. Notice: Due to a long-term storage or long downtimes the release torque may be much higher than the usual turning moment.

Before initial start-up or putting into operation after maintenance work the pipeline has to be deaerated. In case of pressure surges air bubbles may cause explosions or damages to the piping system. Therefore the pressure should only be slowly increased.

Ball valves at the end of a pipeline must be sealed professionally with a blind flange to avoid the valve being forcibly teared off. Caution! Danger!

The ball valve may not be operated with a tool that shall serve to increase the leverage (e.g. hammer, pliers, extension tubes etc.)

4. Maintenance and inspection

Depending on the assembly situation, ball valves have to be drained before the first frost sets in as well as before cleaning works. When emptying the valve the handle should be in a 45-degree-position to make sure that the dead space may be emptied, too. Tests for tightness, functionality and damages should be carried out regularly. Depending on the operating situation this should be done in shorter time intervals. During long periods of disuse the ball valve should be put into operation every few months to guarantee proper functioning.

Defective or corroded valves or valves that do not work properly must be replaced during maintenance work. Replacement and removal may only be carried out by qualified personnel whilst the pipeline is not under pressure.

5. Warnings

The manufacturer will not accept any liability for deficiencies caused by assembly errors, improper handling, the use of impermissible media or not allowed operating situations as well as for damages due to normal wear and tear.

Ball valves may not be used as throttle valves! They may only be used in a fully opened or closed situation to avoid damages to seals in the spherical area. Depending on the operating situation the ball valve´s body can get very warm. Caution!

Legal health and safety regulations, national rules and technical rules and standards for certain operating and mounting situations have to be observed Viscous fluids or hardenable media as well as certain chemical substances may impede the funcion or make it impossible. Please refer to the manufacturer´s information.

Polluted or sandy media may cause damages to the seals. In case of neglecting the given information on working pressure or working temperature leaks may occur or the ball valve may tear apart. Caution! (as of November 2023)

Further Information:

Unless otherwise indicated or unless they are provided with drain plugs that are used to empty the valve before the frost season, no valves (taps, check valves, foot valves, gate valves, ball valves, etc.) are frost-resistant.

Our ball valves, valves and fittings have to be installed without mechanical tension. They must not be used for adjusting pipings.

Chrome plated surfaces, e.g., on bathroom fixtures or device connector valves, are sensitive to lime-dissolving agents, acidic cleaners, and all types of abrasives. These surfaces must only be cleaned with clear water and a soft cloth (leather).

Our pumps, wall and standing fountains are provided with a protective coating for transport purposes by the manufacturer. This first layer of paint is not considered to be a permanent corrosion protection or optical coating.

Our products are covered by statutory warranty rights.

We are not liable for any damage or malfunction resulting from normal wear and tear, limescale buildup, unsuitable water quality or contaminated water pipes, improper installation or handling, or chemical or mechanical influences occurring during transportation, storage, connection, repair, or use.

Statutory warranty rights remain unaffected.

Previous documents cease to be valid upon publication of the catalog. Our catalog serves exclusively as a basis for wholesale, industrial, and technical information and work. It is not a sales document.

Returns are only permitted based on prior written agreement; this particularly applies to custom production. Return deliveries that are not prepaid will not be accepted.

Recommendations for the handling of hoses

A number of factors can have an impact on how long the hose lasts:

- application
- medium
- abrasion
- storage etc.

Therefore it is not possible to give a general information about the durability of a hose. The end user should regularly check the hose for leaks and replace it if necessary.

The rubber compound can change its characteristics over time because of its chemical properties. This process can be accelerated by improper use of the hose or other influences. Therefore we give the following recommendations:

Storage

1. Avoid long storage periods! Otherwise, a check is important at the 1st use.
2. Ideally you should store the hose at a temperature between +10°C and +25°C. Temperatures of less than 0°C or more than +40°C will damage the hose. Keep the hose away from all sources of heat! Avoid dry air as well as high air humidity!
3. No direct solar radiation or aggressive artificial light!
4. Airflow and ozone can ruin the material. Do not store near electric motors, high-voltage units etc. because of the danger of sparks or electrostatic charge or uncontrolled heating of eventually mounted metal couplings.
5. Different substances can affect the material of the hose. Therefore please avoid any contacts with: solvents, fuels, acids, disinfectants, wood preservers, volatile or organic chemical substances or mixtures. Manganese, iron, copper and copper alloys may affect some kinds of rubber mixtures.
6. Store loosely rolled and stress-free to avoid compressing the tube. Coiled hose should be stored in a horizontal position. Do not pile up and pay attention to the weight to avoid any deformations! If given by the supplier, please note the minimum bend radii to prevent kinks.
7. Check the hose for suitability and proper seat of mounted couplings before delivery or resale.
8. Clean the hose before re-storage (please check suitability of the cleaning agent !). This applies particularly in case of the use of chemical, explosive or abrasive materials. Checks for reusability are essential.

Use

1. Hoses should only be used in accordance to their intended purpose. The misuse – e.g. as towing rope – is not allowed.
2. Before using the hose you have to check its suitability with regard to its characteristics, type or size.
3. Exercise due diligence when transporting the hose. The hose may not be exposed to severe shocks or tensile forces across rough surfaces. Avoid twisting, kinks and knots.
4. Please note the mentioned operating pressures! If checking the hose for leaks, the pressure in a hose free of air bubbles must only be increased gradually until the maximum pressure is reached.
5. The hose has been developed to channel liquids which are approved by the manufacturer. This does not give the permission to immerse the hose in the liquids.
6. Please note the ambient temperature and the maximum operating temperature which depend on the medium. Keep hose line away from sources of heat!
7. The material of the hose must be resistant to all media used. Check this before use. Changes in the concentration of media, period of use or temperature may cause changes in the suitability and chemical resistance of the hose.
8. Varying degrees of abrasion may occur depending on the kind of medium used or pulling the hose across different surfaces. Therefore you have to control the wear and tear of the tube regularly.

9. Make sure that installed hoses and hose connections are protected against impurities to avoid a contamination of hose and medium; particularly when used with drinking water.
10. Do not install hose lines on driveways or rather protect them against running over. If necessary, use hose bridges or the like.
11. Mounted hose fittings or spray nozzles should not be used as end or shut-off valves as they are not constructed for that purpose. Do not expose them to a permanent water pressure to prevent the valve/nozzles from being torn off and/or avoid bursting of the hose. After finishing work the water supply to the hose has to be shut off.

Assembly and commissioning of hose lines in technical fields

Please note:

1. When using hoses fitted with connectors, ensure that they are the correct length. An extension through the use of several connecting hoses is not permissible.
2. Before putting a hose line into operation please check if it is in accordance with eligible regulations and directives, e.g. the instructions of the Trade Association To02,§§14 and 15; the Industrial Safety Regulation (BetrSichV) or the Technical Rules for operating safety (TRBS).
3. Do not use a hose line if there are any visible damages!
4. Hose lines with given inspection intervals may not be used when the inspection date has expired. After repair or modification the hose line must be checked.
5. The hose line must be cleaned before putting it into operation. Do not forget to check the suitability of the cleaning agent!
6. With regard to electrostatic discharge the following instructions have to be observed: TRBS 2153
   ("Avoiding of ignition hazards due to electrostatic charges")
7. The hose line must be cleaned when changing from one to another flow medium to avoid a possible chemical reaction or contamination of the new medium.
8. For special applications or construction projects, it is essential to comply with the manufacturer's instructions.

Disposal

Please follow local regulations if you want to dispose hose materials and/or hose fittings.

Legal information: According to the Drinking Water Ordinance [esp. §§ 3 and 17], every tapping point of water that is not intended for human use must be permanently marked with a notice "no drinking water" and safeguarded against inappropriate use!

Tapping systems for non-drinking water that are installed in the household in addition to the drinking water supply system must be reported to the health authority!

Specifications and illustrations as well as descriptions and packing units are non-binding. They are purely informational and no legal obligation may be derived from them.

We reserve the right to make technical and formal changes in the interest of further technical development or that are necessary for financial reasons.

Alterations and additions are made continuously.

We assume no liability for any printing errors or divergent illustrations. In the event of erroneous size information, the figures at the start of printing will no longer apply.

Conversion table inch/millimetre

inch fractional value	mm metric	inch fractional value	mm metric
1/8"	3,175 mm	1 ¾"	44,450 mm
1/4"	6,350 mm	**2**"	50,800 mm
3/8"	9,525 mm	2 ¼"	57,150 mm
1/2"	12,700 mm	2 ½"	63,500 mm
5/8"	15,875 mm	2 ¾"	69,850 mm
3/4"	19,050 mm	**3**"	76,200 mm
7/8"	22,225 mm	3 ¼"	82,550 mm
1"	25,400 mm	3 ½"	88,900 mm
1 ¼"	31,750 mm	3 ¾"	95,250 mm
1 ½"	38,100 mm	**4**"	101,600 mm

We keep an eye on our qualities:

Both our quality and environmental management system have been certified on the standard basis DIN EN 9001 (Nov. 2015) and DIN EN 14001 (Nov.2015). We face the challenge to guarantee highest qua-lities for our products and services. All raw materials and external products are checked for quality and suitability. Our own products are tested on a random basis during the production processes, final lea-king and material tests are performed.

Our products meet several requirements, such as DVGW, SVGW, KTW, noise class tests (PA-Nr.), ACS and are also complying with binding DIN standards in respect to dimensions or noise behaviour.

With regard to the brass alloy puteus valves, fittings and the seals we use are in full compliance with the amended requirements of the drinking water ordinance. Long before the reference date in April 2017 we made sure that the regulations of the valuation basis of the Federal Environmental Agency (UBA) were implemented. These regulations apply to metallic materials which may get in contact with drinking water. They also include the list of materials that are in accordance with the drinking water hygiene (known as the “UBA Positive List”). On the basis of these standards our quality management has also been certified for the process to comply with the nickel values for valves, fittings and other components in drinking water under the terms of the drinking water regulations and recommendations of the Federal Environmental Agency.

Therefore we can ensure a high product quality for our customers because of our high quality awareness.

CERTIFICATE

TÜV AUSTRIA

Management system as per
EN ISO 9001:2015, EN ISO 14001:2015, ISO 45001:2018

puteus

puteus GmbH
Lenerweg 6
D-47918 Tönisvorst

Design, purchase, storage and distribution of fittings, valves and other components for water application and other liquids

The process to comply with the nickel values for valves, fittings and other components in drinking water under the terms of drinking water regulations and recommendations of the Federal Environmental Agency

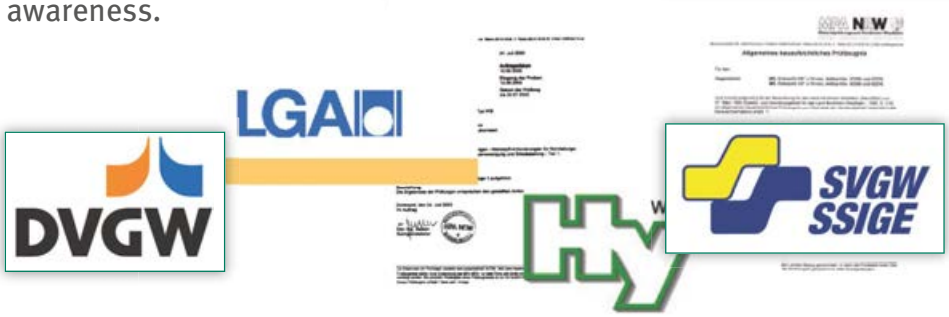
The process to comply with drinking water regulations in terms of deploying metallic materials for the manufacture and distribution of valves, fittings and other components according to the valid assessment base of the Federal Environmental Agency

IAF

Fraunhofer

Geräuschverhalten von Sanitärarmaturen nach DIN EN ISO 3822

noise emission from sanitary tabs according to EN ISO 3822



Disclaimer:
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Our packaging and labelling proposals

Four-colour cartons – version 1 –

with Euro-standard-holes, colour prints and product descriptions on the front-side, pictographs and installation dimensions on the back, top and bottom. Items that are available in carton packaging can be found in our catalogue. The item numbers are marked with an additional “-K”.

Four-colour cartons – version 2 –

Promotional four-colour cartons with product photos and descriptions.

Labels with EAN-barcodes

Nearly all articles can be labelled with EAN-codes. The self-adhesive and tear-resistant labels contain a product description, barcode and EAN-code.
The complete EAN-code consists of:
4012167 + item-no. + verification digit
(without “-E” or other extensions).

Self-service cards

These cards can be used for certain products of the irrigation sector. The cards are printed with article descriptions, sizes and EAN-codes.

Polybags

We offer customized polybags for single products. Each polybag can be printed according to your wishes.

Note: All information is subject to possible printing errors or changes in design or construction. Reprinting and photomechanical reproduction- also including excerpts - only with the authorization of puteus GmbH, Lenenweg 6, D-47918 Tönisvorst.

Other catalogs to our range:

1 Appliance connection fittings

2 Sanitary fittings, kitchen + bathroom

3 Garden fittings + valves

4 Fittings

5 Ball valves + heating valves

6 Hand pumps, hoses + accessories

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