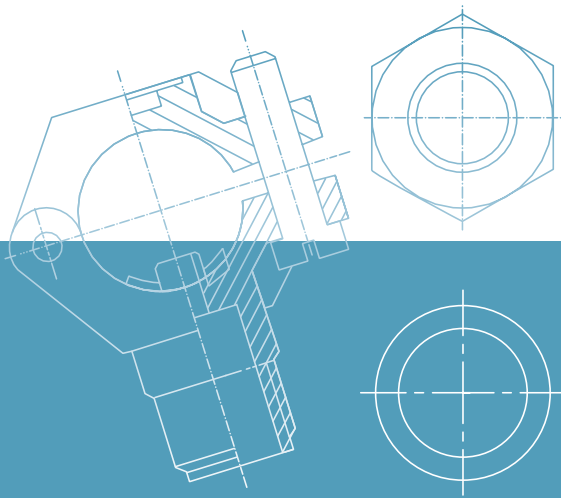


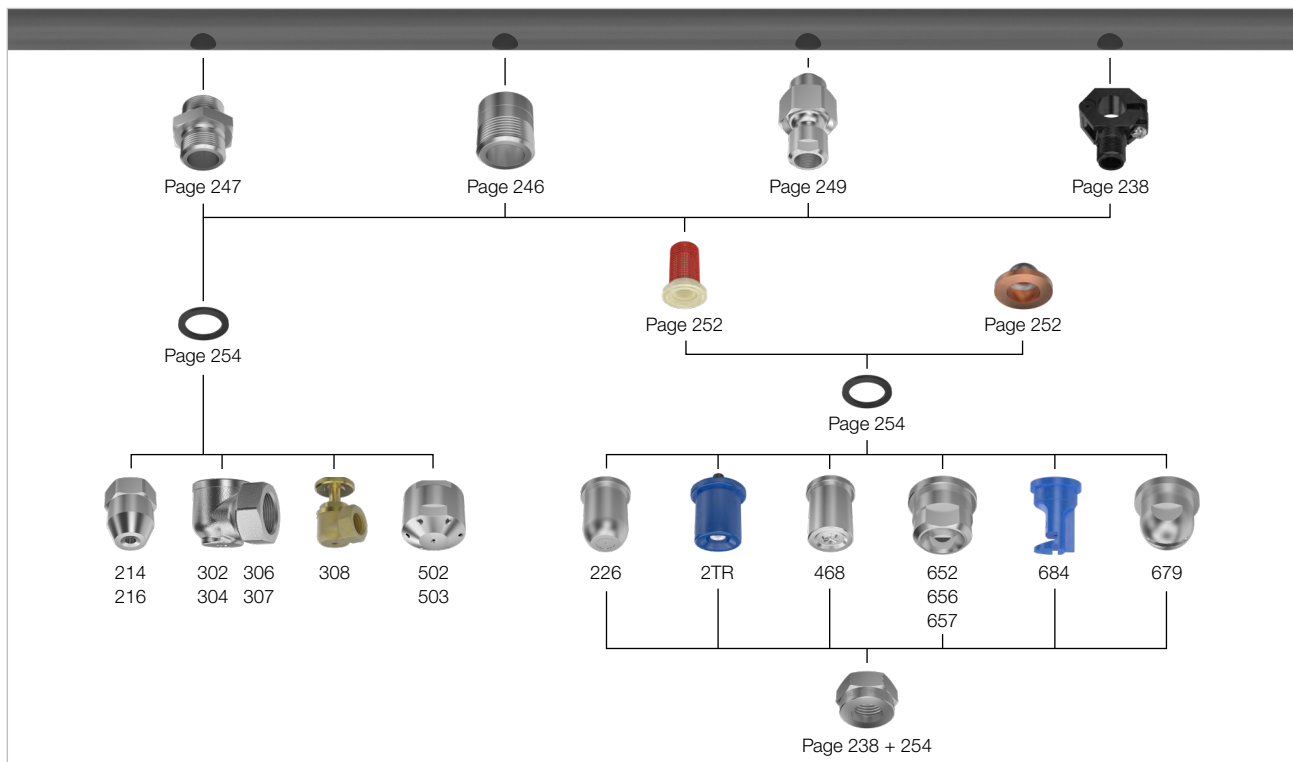
ACCESSORIES



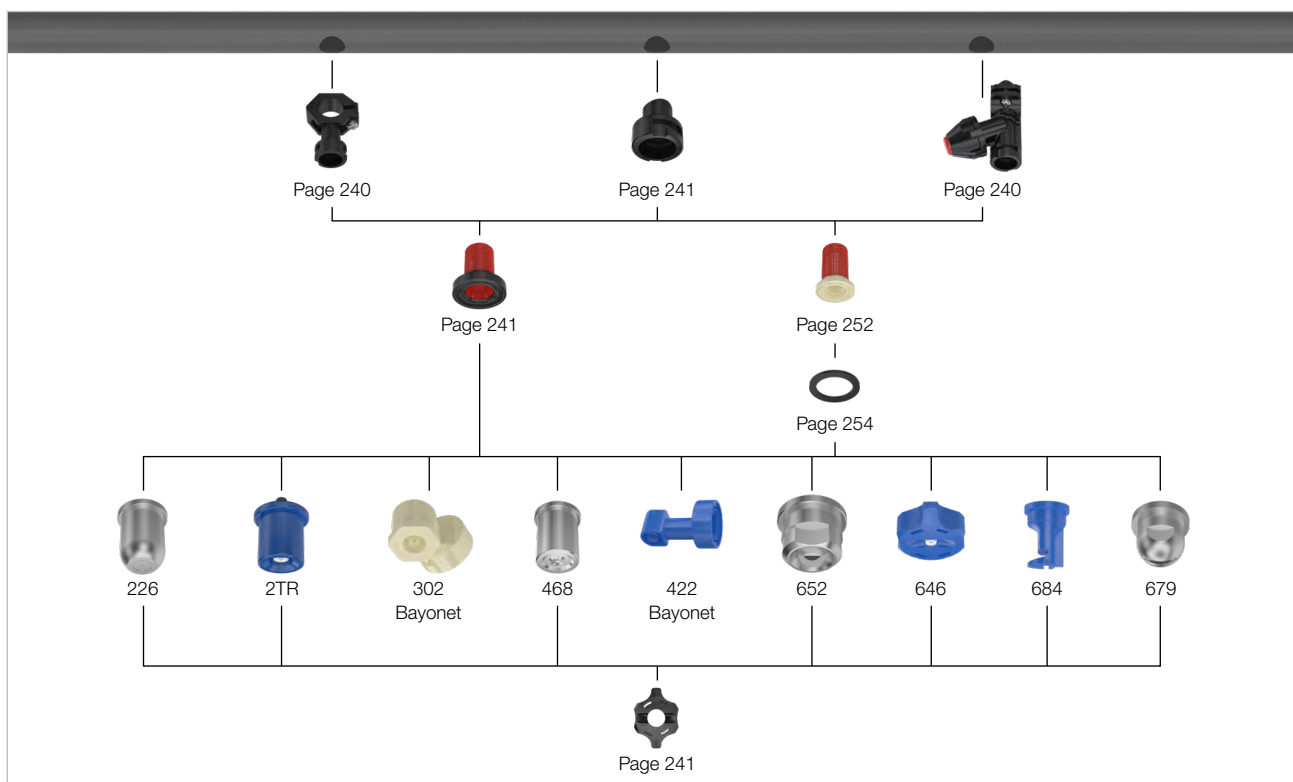
NOZZLE FASTENING ASSEMBLING OPTIONS FOR ALL PURPOSES



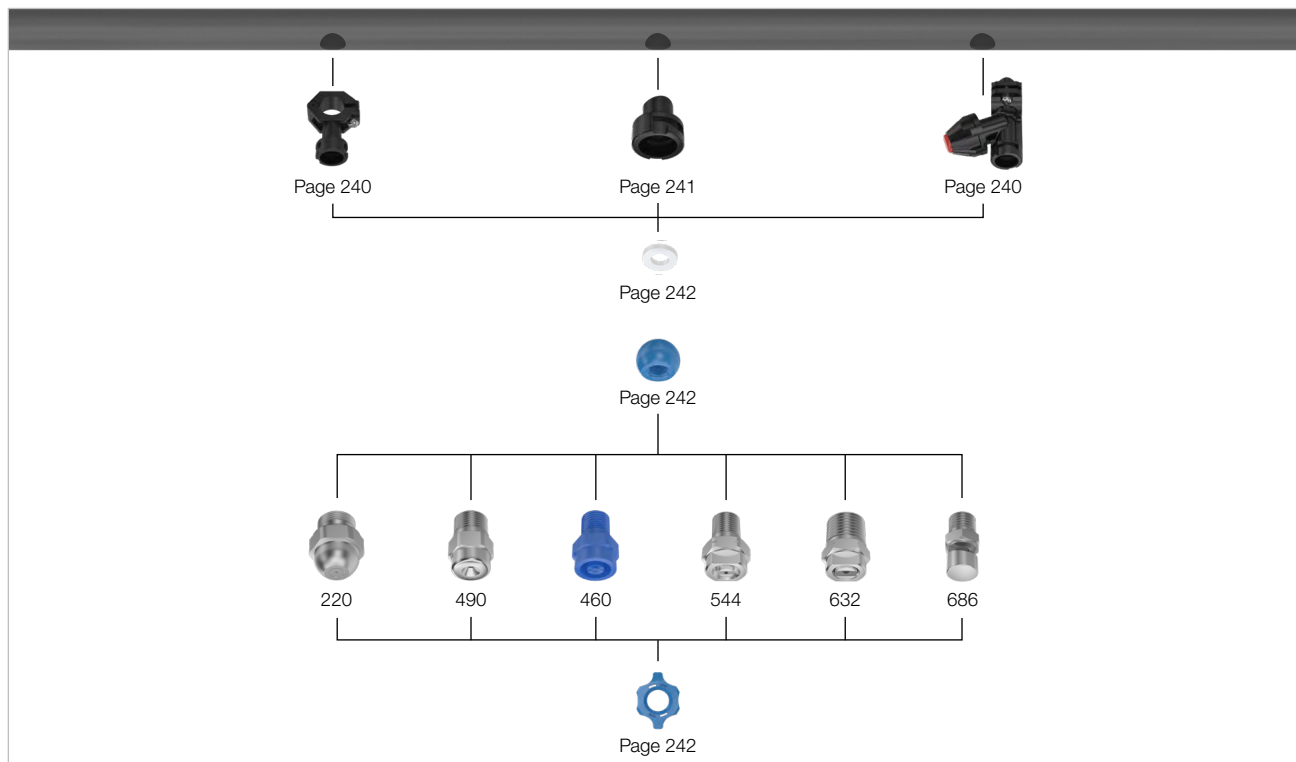
Assembly accessories for nozzles without thread or with female thread



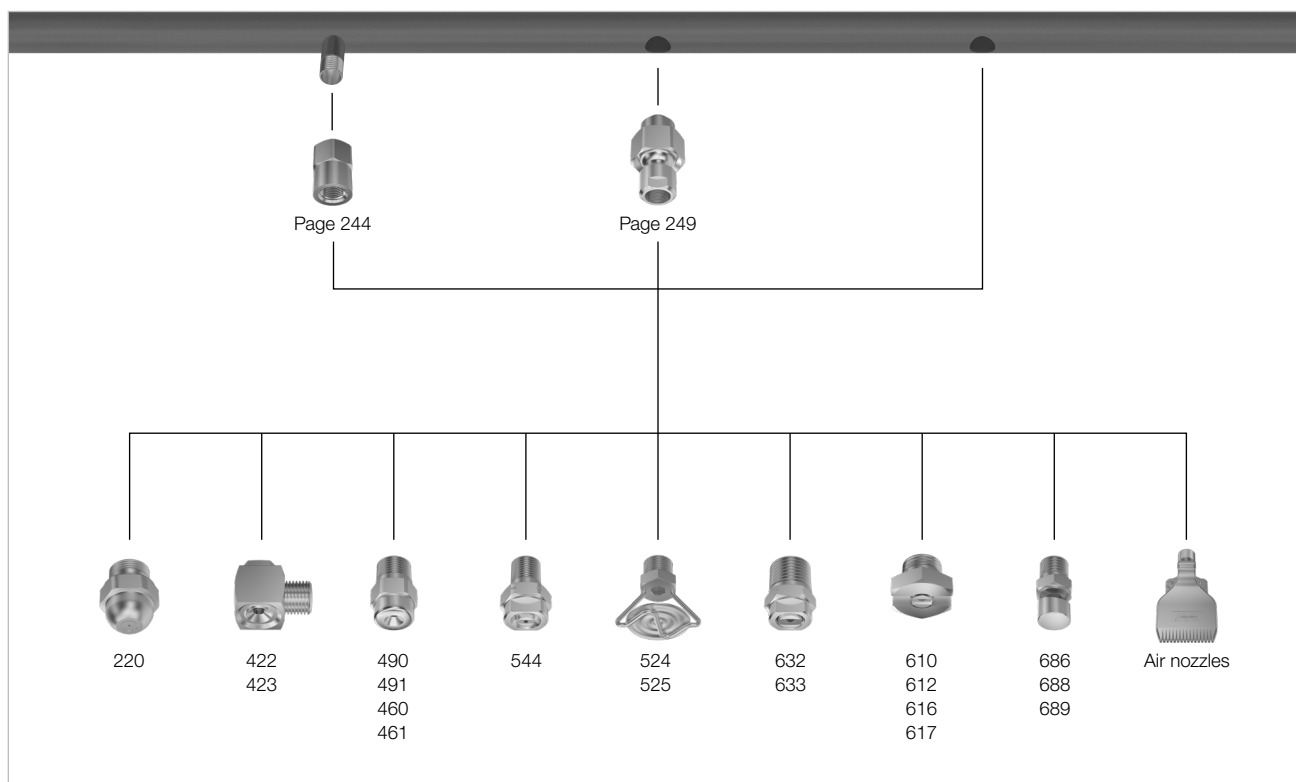
Bayonet quick-release system for nozzles without thread or with bayonet connection



Bayonet quick-release system with ball joint for nozzles with male thread

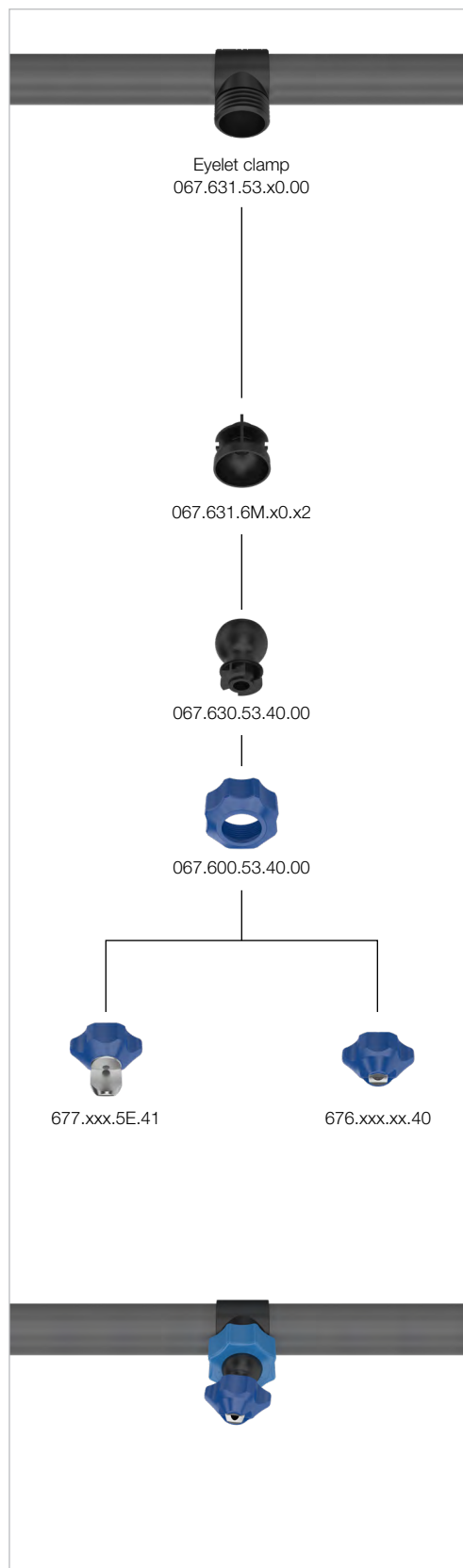
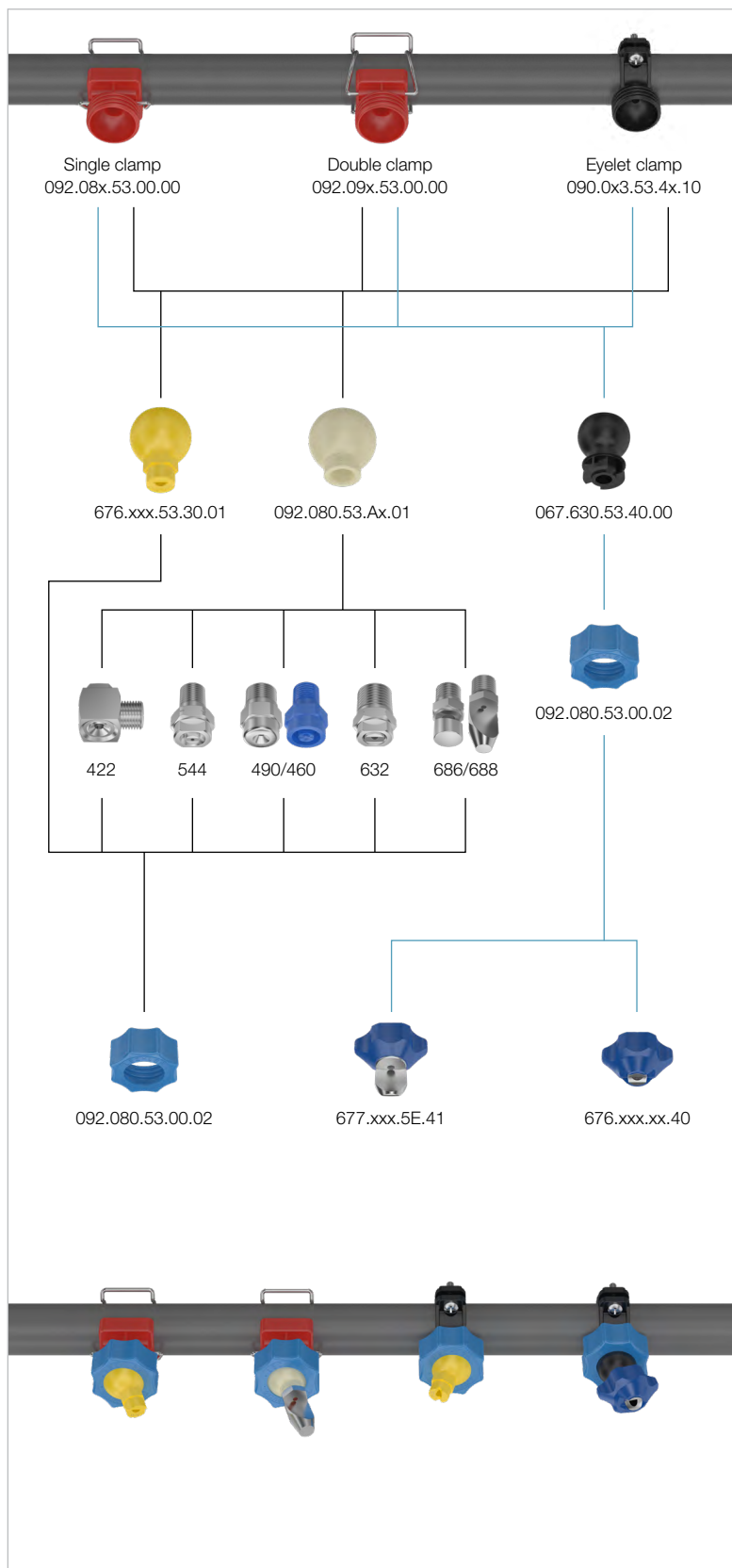


Assembly accessories for nozzles with male thread





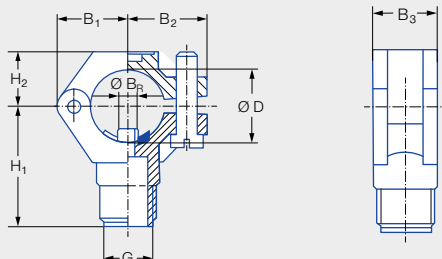
MEMOSPRAY/Easy-Clip combination options



Eyelet clamps with male thread



Eyelet clamps with male thread

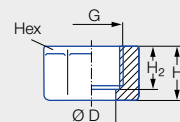
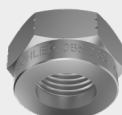


Series	Ordering no.				Screw (material)	G BSPP	Pipe Ø	Dimensions [mm]								Weight [g] (polyamide)
	Type	Mat. no.						B ₁	B ₂	B ₃	H ₁	H ₂	Ø B _R ¹	Ø B ²	Ø D	
		51 Black	53 White	5E Blue												
		Polyam- ide	Polypro- pylene	PVDF												
226/2TR/ 216/302/ 308/350/468/ 652/679/684	090.053	●	●	●	Stainless steel 304	3/8	3/8"	19.0	22.0	18.5	34.5	14.5	6.0	6.2-6.4	16.5-18.0	20.0
	090.003	●	●	●		3/8	1/2"	21.2	23.8	18.5	36.5	16.5	6.0	6.2-6.4	20.0-22.0	20.0
	090.013	●	●	●		3/8	3/4"	24.5	26.5	22.0	39.5	17.5	7.6	7.8-8.0	25.0-27.5	25.0
	090.023	●	●	●		3/8	1"	30.0	31.0	22.0	44.0	21.0	10.6	10.8-11.0	32.0-34.5	32.0
	090.033	●	●	●		3/8	1 1/4"	34.0	35.5	25.0	48.0	25.0	12.6	12.8-13.0	40.0-43.0	38.0

¹ Ø B_R = spigot diameter.

² Ø B = recommended bore diameter.

Retaining nuts for eyelet clamps



Series	Ordering no.						G BSPP	Dimensions [mm]				Weight [g]
	Type	Mat. no.										
		16	17 ¹	30	56 Black	5E Blue						
		Stainless steel 303	Stainless steel 316Ti	Brass	POM	PVDF						
								H ₁	H ₂	Ø D	Hex	
226/2TR/ 468/548/ 652/660/679/ 684	065.200	●	●	●			3/8	13.0	10.0	12.8	22	25.0 (Brass)
	065.200				●	●	3/8	14.5	11.5	12.8	22	5.0 (PVDF)

¹ We reserve the right to supply material 316Ti or 316L under material no. 17.

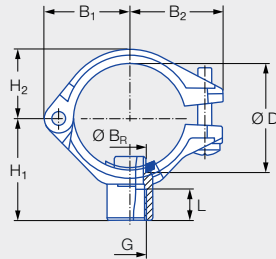
Ordering Type + Material no. = Ordering no.
example: 090.053 + 51 = 090.053.51

Strainers and ball-type non-return valves can be found on Page 252/253.

Eyelet clamps with female thread



Eyelet clamps
with female thread



For all nozzles with	Ordering no.						Screw (material)	Pipe Ø	Dimensions [mm]									Weight [g] (polyam- ide)
	Type	Mat. no.			Code													
		51 Black	53 White	5E Blue														
		Poly- amide	Polypro- pylene		1/8 BSPP	1/4 BSPP			B ₁	B ₂	B ₃	H ₁	H ₂	L	Ø B _R ¹	Ø B ²	Ø D	
Male thread 1/8 BSPP 1/4 BSPP	090.100	●	●	●	AB	AD	Stainless steel 316	3/8"	20.0	23.0	18.5	28.0	14.0	12.0	6.0	6.2–6.4	16.5–18.0	18.0
	090.110	●	●	●	AB	AD		1/2"	22.0	25.0	18.5	31.0	16.0	12.0	6.0	6.2–6.4	20.0–22.0	19.0
	090.120	●	●	●	AB	AD		3/4"	25.0	28.0	22.0	33.0	19.0	12.0	7.6	7.8–8.0	25.0–27.5	24.0
	090.130	●	●	●	AB	AD		1"	30.0	33.0	22.0	36.0	23.0	12.0	10.6	10.8–11.0	32.0–34.5	34.0
	090.140	●	●	●	AB	AD		1 1/4"	34.0	37.0	25.0	40.0	28.0	12.0	12.6	12.8–13.0	40.0–43.0	39.0

¹ Ø B_R = spigot diameter.

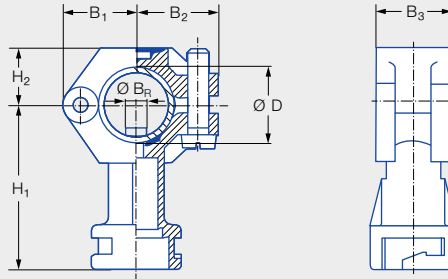
² Ø B = recommended bore diameter.

Ordering Type + Material no. + Code = Ordering no.
example: 090.100 + 51 + AB = 090.100.51.AB

Eyelet clamps with bayonet connection



Eyelet clamps with bayonet quick-release system

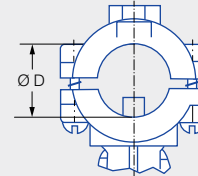
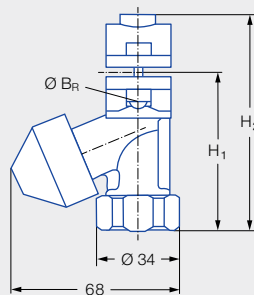


Series	Ordering no.					Screw (material)	Pipe Ø	Dimensions [mm]								Weight [g] (Polyamide)
	Type	Mat. no.			Code											
		51 Black	53 White	5E Blue												
		Poly- amide	Polypro- pylene	PVDF				B ₁	B ₂	B ₃	H ₁	H ₂	Ø B _R ¹	Ø B ²	Ø D	
226/2TR/ 302 bayonet/ 422 bayonet/ 468/652/646/ 684/679	090.003	●	●	●	KA	Stainless steel 304	1/2"	21.2	23.8	18.5	49.5	16.5	6.0	6.2–6.4	20.0–22.0	22.0
	090.013	●	●	●	KA		3/4"	24.5	26.5	22.0	52.5	17.5	7.6	7.8–8.0	25.0–27.5	26.0
	090.023	●	●	●	KA		1"	30.0	31.0	22.0	57.0	21.0	10.6	10.8–11.0	32.0–34.5	32.0

¹ Ø B_R = spigot diameter.

² Ø B = recommended bore diameter.

Diaphragm non-return valve with bayonet quick-release system



Series	Ordering no.			Screw (material)	Pipe Ø	Ø D [mm]	Pressure [bar]		Dimensions [mm]				Weight [g]
	Type	Mat. no.	Code				Opening pressure	Closing pressure	H ₁	H ₂	Ø B _R ¹	Ø B ²	
		56 Black											
		POM											
226/2TR/ 302 bayonet/ 422 bayonet/ 468/652/646/ 684/679	065.272	●	KH	Stainless steel 303	1/2"	20.0–22.0	0.8	0.6	59.0	84.0	6.0	6.2–6.4	48.0
	065.272	●	KL		3/4"	25.0–27.5	0.8	0.6	66.0	90.0	9.6	9.8–10.0	53.0

¹ Ø B_R = spigot diameter.

² Ø B = recommended bore diameter.

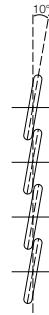
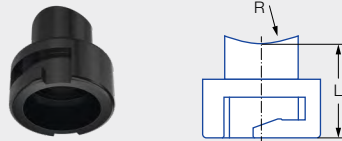
Material	Max. temperature [°C]	Max. pressure [bar]
PA, PP, PVDF, POM	65	10
PA, PP, PVDF, POM	80	8
PVDF	100	4

Notice: Please consider the material combination when using bayonet eyelet clamps with bayonet quick-release system nuts. The nuts may be difficult to turn when using different materials.

Accessories for bayonet system



Bayonet welded nipple

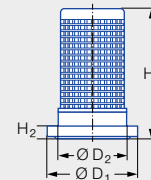


Series	Ordering no.			Dimensions [mm]		Weight [g]
	Type	Mat. no.				
		50	53			
		PVC	Polypropylene	L	R	
226/2TR/302 bayonet/ 422 bayonet/468/ 652/646/684/679	095.016.xx.08.05 ¹	●	●	25.0	16.0	10.0

¹ Replace "xx" with the desired material no.

Strainer with gasket

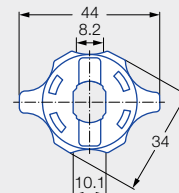
Suitable for bayonet quick-release system
nuts 065.202



Performance size	Ordering no.		Colour	Dimensions [mm]					Weight [g]
	Type	Mat. no.		Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
		7J							
		POM/Santoprene							
xxx.32x-xxx.44x	065.268	●	Blue	0.25	19.20	3.00	18.00	12.00	2.00
xxx.48x-xxx.56x	065.269	●	Red	0.65	19.20	3.00	18.00	12.00	2.00

Bayonet quick-release system nuts

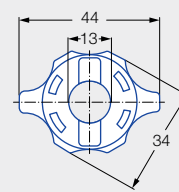
Incl. gasket 065.242.73
(material: Rubber)



Series	Ordering no.				Colour	Weight [g]
	Type	Mat. no.				
		POM	Polypropylene	PVDF		
652/679	065.202.56.00	●			Red	10.0
	065.202.53.00		●		Grey	10.0
	065.202.5E.00			●	Blue	10.0

Bayonet quick-release system nuts

Incl. gasket 065.242.73
(material: Rubber)



Series	Ordering no.		Colour	Weight [g]
	Type	Mat. no.		
		POM	Polypropylene	
226/2TR/ 468/684	065.202.56.11	●		Black 10.0
	065.202.53.11		●	Grey 10.0

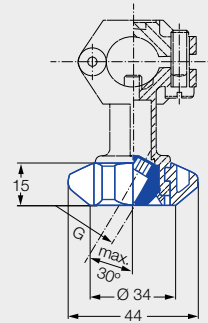
Notice: Please consider the material combination when using bayonet eyelet clamps with bayonet quick-release system nuts. The nuts may be difficult to turn when using different materials.



Ball joints for bayonet quick-release system

Ball joint system for nozzles with 1/8" and 1/4" male thread.

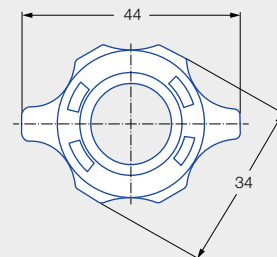
Ball joint for eyelet clamps with bayonet quick-release system



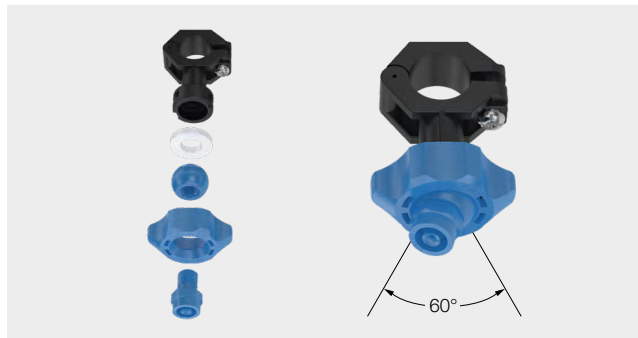
For all nozzles with 1/8" or 1/4" male thread	Ordering no.				Colour	Weight [g]
	Type	Mat. no.	Code			
		PVDF	1/8 BSPP	1/4 BSPP		
Ball joint	092.150	5E	AB	AD	Blue	5.0

Bayonet quick-release system nut for ball joint

Incl. O-ring
Ordering no. 095.015.7C.04.16.0
(material: 72 NBR 872)



For all nozzles with 1/8" or 1/4" male thread	Ordering no.		Colour	Weight [g]
	Type	Mat. no.		
		PVDF		
Quick-release system nut	092.150.5E.00	●	Blue	28.0



Max. temperature [°C]	Max. pressure [bar]
65	10
80	8
100	4

Ordering Type + Material no. + Code = Ordering no.
example: 092.150 + 5E + AB = 092.150.5E.AB

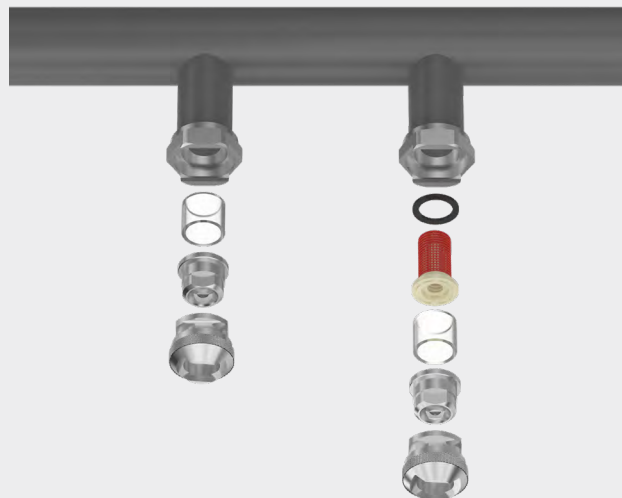
TWISTLOC Quick-change nozzle system

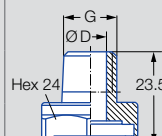
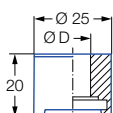
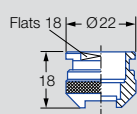


Lechler TWISTLOC, nozzle changing in less than no time.

Save time and money with the quick-change nozzle system.

- **Quick:**
It takes just one twist to install or remove the nozzle.
- **Easy:**
Can be installed without tools – even in difficult-to-access locations and in bad lighting conditions.
- **Safe:**
Installation errors are avoided, as the nozzles are always set to the correct direction.
- **Max. pressure:**
15 bar.

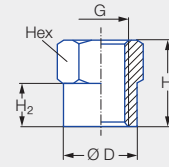


System components		Ordering no.							Inner Ø D [mm]	Weight [g]				
		Type	Mat. no.				Code							
			1C Stainless steel 304	16 Stainless steel 303	5E PVDF	7A Viton						1/4 BSPT	3/8 BSPT	Welded connec- tion
Threaded nipple		092.102		●				CC			8.0	25.0	 Non-return valves, strainers For installation in nipples with inner Ø 11.6 mm (see Page 252/253).	
		092.102		●					CE			11.6		25.0
		092.102			●				CE			8.0		10.0
Welded nipple		092.104	●							00	11.6	45.0		
Gasket for material 304 SS and 303 SS		092.113					●				–	1.0		
Gasket for material PVDF		092.115						●				–	1.0	
Gasket, incl. rubber gasket ring for use with non-return valves or strainers		092.116					●				–	2.0		
Gasket, incl. rubber gasket ring for use with non-return valves or strainers, for PVDF material		092.114						●				–	2.0	
Quick-release system For nozzle series 652/679		092.106		●	●						–	20.0 (stainless steel)		
Quick-release system For nozzle series 226/468/684		092.108		●	●							–	20.0 (stainless steel)	

Ordering Type + Material no. + Code = Ordering no.
example: 092.102 + 16 + CC = 092.102.16.CC



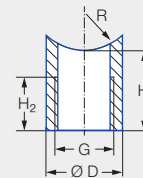
Sockets



For all nozzles with	Ordering no.					G BSPP	Dimensions [mm]				Weight [g] (Brass)
	Type	Mat. no.					H ₁	H ₂	Ø D	Hex	
		1Y	17	30	53						
		Stainless steel 316L	Stainless steel 316Ti	Brass	Polypropyl- ene						
1/8" male thread	040.270	●		●		1/8	20.0	10.0	13.8	14	20.0
1/4" male thread	061.220	●		●		1/4	20.0	10.0	16.8	17	20.0
3/8" male thread	040.271	●		●		3/8	20.0	10.0	21.8	22	25.0
	040.271				●	3/8	20.0	11.0	25.0	22	25.0
1/2" male thread	040.272		●	●		1/2	30.0	15.0	26.5	27	70.0
3/4" male thread	061.620		●	●		3/4	40.0	20.0	31.5	32	108.0

Notice: Sockets are also suitable for welding.

Sockets with radius

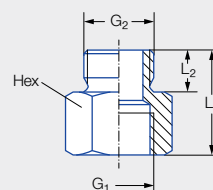


For all nozzles with	Ordering no.		G BSPP	Dimensions [mm]			Weight [g]
	Type	Mat. no.		H ₁	H ₂	Ø D	
		1Y					
		Stainless steel 316L					
1/4" male thread	040.228.1Y.yy ¹	●	1/4	18.0	12.0	17.0	16.0

¹ Replace "yy" with the desired radius R (R = 10/13/16/20/25 or 31 mm).

Ordering Type + Material no. = Ordering no.
example: 040.270 + 1Y = 040.270.1Y

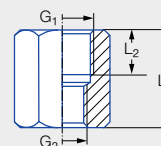
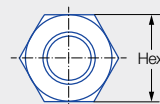
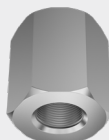
Sockets



Connection components	Ordering no.			G ₁ BSPP	G ₂ BSPP	Dimensions [mm]			Weight [g] (Brass)
	Type	Mat. no.				L ₁	L ₂	Hex	
		17	30						
		Stainless steel 316Ti	Brass						
1/8" to 3/8"	040.211	●	●	1/8	3/8	20.0	10.0	22	40.0
1/4" to 3/8" short	065.221	●	●	1/4	3/8	23.0	10.0	22	40.0
1/4" to 3/8" long	065.228	●	●	1/4	3/8	36.0 ¹	14.0	19	45.0
3/8" to 3/8"	065.220	●	●	3/8	3/8	25.0	10.0	22	40.0
3/4" to 3/4"	065.620	●	●	3/4	3/4	35.0	14.0	32	280.0

¹ Mounting of nozzle filters and ball-type non-return valves possible (see Page 252/253).

Reduction socket

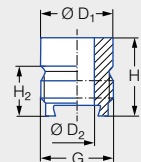


Connection components	Ordering no.			G ₁ BSPP	G ₂ BSPP	Dimensions [mm]			Weight [g]
	Type	Mat. no.							
		1Y	30						
		Stainless steel 316L	Brass			L ₁	L ₂	Hex	
3/8" to 1/4"	095.019.30.00.23			3/8	1/4	26.0	12.0	22	55.0

Ordering Type + Material no. = Ordering no.
example: 040.211 + 17 = 040.211.17

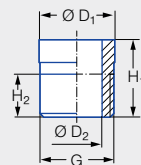


Welded nipple with dovetail guide



Series	Ordering no.		G BSPP	Dimensions [mm]				Weight [g]
	Type	Mat. no.		H ₁	H ₂	Ø D ₁	Ø D ₂	
		17						
		Stainless steel 316Ti						
660	066.011	●	3/8	18.0	11.5	16.5	8.0	21.0
664/665	066.410	●	3/4	27.0	15.5	28.0	14.0	65.0

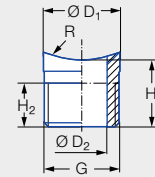
Welded nipple



Series	Ordering no.					G BSPP	Dimensions [mm]				Weight [g] (Brass)
	Type	Mat. no.					H ₁	H ₂	Ø D ₁	Ø D ₂	
		02	17	30	53						
		Steel	Stainless steel 316Ti	Brass	Polypro- pylene						
226/216/2TR/302/308/350/ 468/652/684/548/679	065.210	●	●	●	●	3/8	18.0	10.0	17.2	11.6	20.0
306/307/502/ 503/656/657	065.610	●	●		●	3/4	27.0	14.0	28.0	18.0	61.0

Ordering Type + Material no. = Ordering no.
example: 066.011 + 17 = 066.011.17

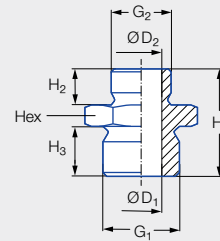
Welded nipple with radius



Series	Ordering no.		G BSPP	Dimensions [mm]				Weight [g]
	Type	Mat. no.		H ₁	H ₂	Ø D ₁	Ø D ₂	
		17						
		Stainless steel 316Ti						
226/216/2TR/302/308/350/ 468/652/684/548/679	065.217.17.yy ¹	●	3/8 A	15.0	10.0	17.2	11.5	20.0
306/307/502/503/656/657	065.612.17.yy ¹	●	3/4 A	23.0	14.0	28.0	18.0	61.0

¹ Replace "yy" with the desired radius R (R = 10/13/16/20/25 or 31 mm).

Double nipple



Series	Ordering no.			G ₁ BSPP	G ₂ BSPP	Dimensions [mm]						Weight [g] (Brass)
	Type	Mat. no.				H ₁	H ₂	H ₃	Ø D ₁	Ø D ₂	Hex	
		17	30									
		Stainless steel 316Ti	Brass									
226/216/2TR/ 302/308/350/ 468/652/684/ 548/679	065.215 ¹	●	●	3/8	1/4	25.0	10.0	10.0	10.0	7.0	22	30.0
	065.215.xx.02 ²	●	●	3/8	1/4	35.0	10.0	10.0	11.6	7.0	22	32.0
	065.211	●	●	3/8	3/8	25.0	10.0	10.0	11.5	–	22	25.0
	065.211.xx.04 ²	●	●	3/8	1/2	30.0	10.0	14.0	11.5	–	27	62.0
306/307/502/503/ 656/657	065.611	●	●	3/4	3/4	35.0	14.0	14.0	18.0	–	32	90.0

¹ Not to be used with non-return valve or strainer.

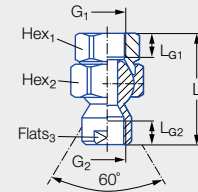
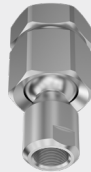
² Replace "xx" with the desired material no.

Ordering Type + Material no. = Ordering no.
example: 065.217.17.yy + 17 = 065.217.17.yy.17

Ball joints with threaded connection

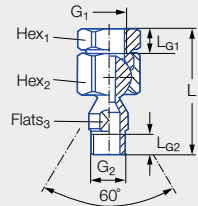


Ball joints with female thread



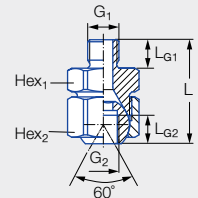
For all nozzles with	Ordering no.				G ₁ BSPP	G ₂ BSPP	Dimensions [mm]						Weight [g] (Brass)
	Type	Mat. no.		Code									
		16	30										
		Stainless steel 303	Brass				L	L _{G1}	L _{G2}	Hex ₁	Hex ₂	Flats	
1/8" male thread	092.010	●	●	AB	1/8	1/8	43.1	8.0	8.0	22	24	13	110.0
1/4" male thread	092.020	●	●	AD	1/4	1/4	60.3	12.0	11.5	27	27	17	200.0
	092.021	●	●	AF	3/8	1/4	58.3	12.0	11.5	27	27	17	160.0
3/8" male thread	092.030	●	●	AF	3/8	3/8	56.0	12.0	12.0	27	30	19	185.0
1/2" male thread	092.040	●	●	AH	1/2	1/2	71.0	15.5	15.5	36	41	24	425.0
3/4" male thread	092.050	●	●	AL	3/4	3/4	80.0	17.0	17.0	41	46	30	595.0

Ball joints with male thread



Series	Ordering no.				G ₁ BSPP	G ₂ BSPP	Dimensions [mm]						Weight [g] (Brass)
	Type	Mat. no.		Code									
		16	30										
		Stainless steel 303	Brass				L	L _{G1}	L _{G2}	Hex ₁	Hex ₂	Flats	
226/216/2TR/ 302/308/350/ 468/652/684/ 548/679	092.022	●	●	AD	1/4	3/8	64.0	12.0	10.0	27	27	17	135.0
	092.022	●	●	AF	3/8	3/8	62.0	12.0	10.0	27	27	17	165.0

Compact ball joints



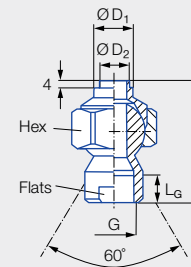
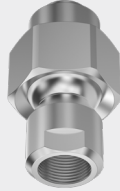
For all nozzles with	Ordering no.				G ₁ BSPP	G ₂ BSPP	Dimensions [mm]					Weight [g] (Brass)
	Type	Mat. no.		Code								
		16	30									
		Stainless steel 303	Brass				L	L _{G1}	L _{G2}	Hex ₁	Hex ₂	
1/8" male thread	092.010	●	●	AA	1/8	1/8	29.3	8.0	8.0	22	24	70.0
1/4" male thread	092.024	●	●	AC	1/4	1/4	44.0	12.0	12.0	27	27	140.0
3/8" male thread	092.030	●	●	AE	3/8	3/8	44.0	12.0	12.0	27	30	160.0

Ordering Type + Material no. + Code = Ordering no.
example: 092.010 + 16 + AB = 092.010.16.AB

Ball joints with welding connection

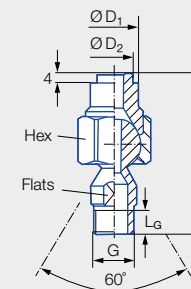
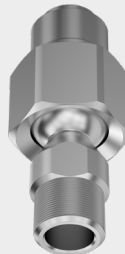


Ball joints with
welding connection and
female thread



For all nozzles with	Ordering no.				G BSPP	Dimensions [mm]						Weight [g] (Brass)
	Type	Mat. no.		Code								
		16	30									
		Stainless steel 303/ 316Ti	Brass/ Stainless steel 1.0159			L	L _G	Ø D ₁	Ø D ₂	Hex	Flats	
1/8" male thread	092.010	●	●	SB	1/8	43.0	8.0	18.0	12.0	24	13	70.0
1/4" male thread	092.020	●	●	SD	1/4	64.5	11.5	20.0	15.0	27	17	150.0
3/8" male thread	092.030	●	●	SF	3/8	59.0	12.0	22.0	15.0	30	19	165.0
1/2" male thread	092.040	●	●	SH	1/2	71.1	15.5	22.0	15.0	41	24	350.0
3/4" male thread	092.050	●	●	SL	3/4	74.8	17.0	22.0	18.0	46	30	470.0

Ball joints with
welding connection and
male thread



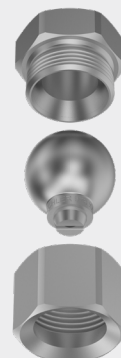
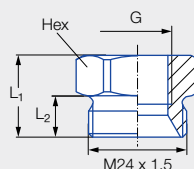
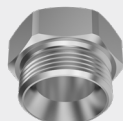
Series	Ordering no.			G BSPP	Dimensions [mm]						Weight [g]
	Type	Mat. no.	Code								
		16									
		Stainless steel 303/316Ti									
				L	L _G	Ø D ₁	Ø D ₂	Hex	Flats		
226/216/2TR/ 302/308/350/ 468/652/684/ 548/679	092.022	●	SE	3/8 A	68.0	10.0	20.0	15.0	27	17	155.0

Ordering Type + Material no. + Code = Ordering no.
example: 092.010 + 16 + SB = 092.010.16.SB

Accessories for nozzle series 676 with integrated ball joint



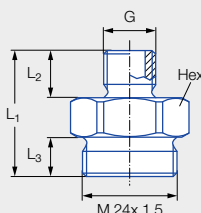
Threaded sockets



Series	Ordering no.			G BSPP	Dimensions [mm]			Weight [g] (Brass)
	Type	Mat. no.			L ₁	L ₂	Hex	
		16	30					
		Stainless steel 303	Brass					
676	092.020.xx.AF.03 ¹	●	●	3/8	20.0	10.0	27	50.0

¹ Replace "xx" by material no.

Threaded nipple

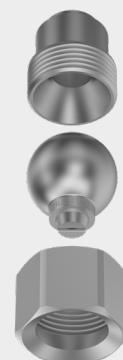
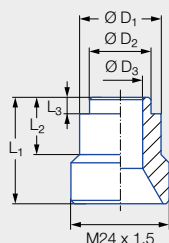


Series	Ordering no.			G BSPP	Dimensions [mm]				Weight [g] (Brass)
	Type	Mat. no.			L ₁	L ₂	L ₃	Hex	
		16	30						
		Stainless steel 303	Brass						
676	092.024.xx.AC.03 ¹	●	●	1/4	32.0	12.0	10.0	27	70.0

¹ Replace "xx" by material no.

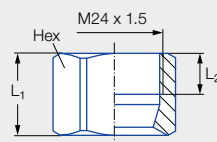
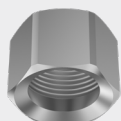
Order Type + Material no. = Ordering no.
example: 092.020.xx.AF.03 + 16 = 092.020.16.AF.03

Welded nipple



Series	Ordering no.		Dimensions [mm]						Weight [g]
	Type	Mat. no.							
		17							
		Stainless steel 316Ti	L ₁	L ₂	L ₃	Ø D ₁	Ø D ₂	Ø D ₃	
676	092.020.17.00.04	●	26.0	14.0	4.0	20.0	15.0	11.0	45.0

Retaining nuts



Series	Ordering no.			Dimensions [mm]			Weight [g] (Brass)
	Type	Mat. no.					
		16	30				
		Stainless steel 303	Brass	L ₁	L ₂	Hex	
676	092.020.xx.00.02 ¹	●	●	20.0	10.0	27	35.0

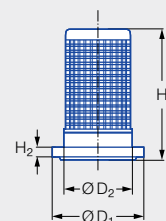
¹ Replace "xx" by material no.

Notice: The assembly accessories shown can be used with the low pressure flat fan nozzle with ball joint (series 676) (see Page 140/252).

Order Type + Material no. = Ordering no.
example: 092.020.xx.00.02 + 16 = 092.020.16.00.02

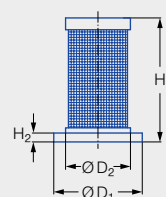


Filter



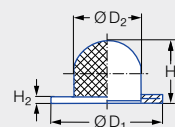
Series	Nozzle size	Ordering no.		Colour	Dimensions [mm]					Weight [g]
		Type	Mat. no.		Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
			56							
216/2TR/ 302/468/ 422 bayonet/ 652/646/684	xxx.32x-xxx.44x	065.257	●	Blue	0.25	21.40	2.00	14.80	11.00	2.00
	xxx.48x-xxx.56x	065.256	●	Red	0.65	21.40	2.00	14.80	11.00	2.00

Filter



Series	Nozzle size	Ordering no.		Colour	Dimensions [mm]					Weight [g]
		Type	Mat. no.		Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
			53							
			Polypropylene							
216/2TR/ 302/468/ 422 bayonet/ 652/646/684	xxx.32x-xxx.44x	095.016.53.15.62 Strainer insert 304 SS	●	Light pink	0.08	21.00	1.60	15.00	11.00	1.00

Cup strainer



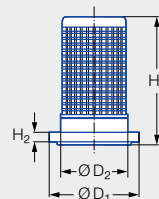
Series	Nozzle size	Ordering no.		Dimensions [mm]					Weight [g]
		Type	Mat. no.						
			26						
			Monel/Copper	Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
216/2TR/ 302/468/ 422 bayonet/ 652/646/684	xxx.32x-xxx.44x	065.252	●	0.5	8.5	1.6	14.8	9.0	1.0

Ordering Type + Material no. = Ordering no.
example: 065.257 + 56 = 065.257.56

Filters with ball-type non-return valve

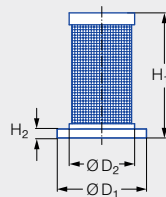


**Ball-type non-return valve
with integrated filter**
 $p_{max} = 20 \text{ bar}$



Series	Nozzle size	Ordering no.		Colour	Pressure [bar]		Dimensions [mm]					Weight [g]
		Type	Mat. no.									
			56		Opening pressure	Closing pressure	Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
216/2TR/ 302/468/ 422 bayonet/ 652/646/684	xxx.32x-xxx.44x	065.265 Ball 420 SS Spring 302 SS	●	Blue	0.40-0.50	0.35-0.45	0.25	21.40	2.00	14.80	11.00	2.00
	xxx.48x-xxx.56x	065.266 Ball 420 SS Spring 302 SS	●	Red	0.40-0.50	0.35-0.45	0.65	21.40	2.00	14.80	11.00	2.00

**Ball-type non-return valve
with integrated filter**



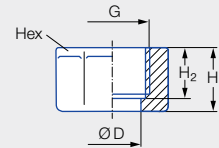
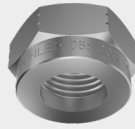
Series	Nozzle size	Ordering no.		Colour	Pressure [bar]		Dimensions [mm]					Weight [g]
		Type	Mat. no.									
			53		Opening pressure	Closing pressure	Mesh size	H ₁	H ₂	Ø D ₁	Ø D ₂	
216/2TR/ 302/468/ 422 bayonet/ 652/646/684	xxx.14x-xxx.36x	095.016.53.11.00 Strainer insert/ Ball 304 SS Spring 302 SS	●	Blue	approx. 0.50	approx. 0.30	0.08	21.00	1.60	15.00	11.00	2.00
	xxx.14x-xxx.36x	095.016.53.14.63 Strainer insert/ Ball 304 SS Spring 302 SS	●	Green	approx. 2.80	approx. 1.60	0.08	21.00	1.50	15.00	11.00	2.00

Ordering Type + Material no. = Ordering no.
example: 065.265 + 56 = 065.265.56

Retaining nuts and gaskets



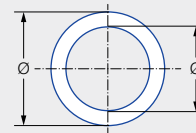
Retaining nuts



Series	Ordering no.							G BSPP	Dimensions [mm]				Weight [g] (Brass)
	Type	Mat. no.							H ₁	H ₂	Ø D	Hex	
		16	17 ¹	1Y	30	56 Black	5E Blue						
		Stainless steel 303	Stainless steel 316Ti	Stainless steel 316L	Brass	POM	PVDF						
226/2TR/ 468/652/660/ 684/548/679	065.200	●	●		●			3/8	13.0	10.0	12.8	22	25.0
	065.200					●	●	3/8	14.5	11.5	13.0	22	25.0
	069.000	●		●	●			UNF 11/16	14.3	9.7	13.1	20.6	25.0
656/657/ 664/665	065.600	●	●		●		●	3/4	16.0	13.0	20.1	32	60.0

¹ We reserve the right to supply material 316Ti or 316L under material no. 17.

Gaskets



Series	Nozzle Code	Ordering no.					Dimensions [mm]	Weight [g]
		Type	Mat. no.					
			55	71	72	73		
			PTFE	Cu. ISO PL. 7504	EWP 210 (asbestos-free)	Soft rubber		
610	1/8 BSPP	061.040			●		Ø 10.00 x Ø 14.00 x 1.00	0.13
220/612	1/4 BSPP	061.240	●	● ¹	●		Ø 13.20 x Ø 17.00 x 1.00	0.20
490/491/ 460/461/ 616/617/689	3/4 BSPP	061.640		● ²	●		Ø 26.50 x Ø 32.00 x 1.00	0.50
405	1 1/4 BSPP	062.140			●		Ø 42.00 x Ø 50.00 x 1.00	1.20
405	2 BSPP	062.540			●		Ø 60.00 x Ø 70.00 x 2.00	3.92
226/468/652/ 684/679	Retaining nut 3/8	065.240	●		●	●	Ø 11.00 x Ø 15.00 x 1.00	0.14
656/657	Retaining nut 3/4	065.640			●		Ø 18.00 x Ø 24.00 x 1.00	0.50
PTFE sealing tape For connecting cylindrical female threads and tapered male threads BSPT		095.009.55.09.30.0					12 mm x 0.1 mm x 12 m	–

¹ Dimensions [mm] for mat. no. 71: 13.20 x 17.00 x 2.00.

² Dimensions [mm] for mat. no. 71: 26.50 x 32.00 x 2.50.

Ordering Type + Material no. = Ordering no.
example: 065.200 + 16 = 065.200.16

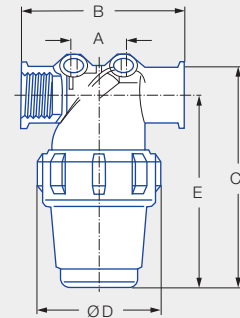
Strainers

Max. 12 bar



Standard strainer for industrial application

- For operating pressure levels up to 12 bar.
With large filter surfaces
- Mesh size is colour coded:
 - 0.6 mm = red
 - 0.3 mm = blue
 - 0.2 mm = green
- Easy handling
- Robust version
- Slender design



Type		Code BSPP	Dimensions [mm]					Weight [g]
			A	B	C	E	Ø D	
S.GA2.	S.GI2.	1/2	27.0	97.0	140.0	118.0	74.0	200.0
S.GA3.	S.GI3.	3/4	27.0	97.0	140.0	118.0	74.0	200.0
S.GA4.	S.GI4.	1	40.0	112.0	175.0	143.0	86.0	300.0
S.GA5.	S.GI5.	1 1/4	39.0	146.0	280.0	239.0	116.0	630.0
S.GA6.	S.GI6.	1 1/2	39.0	146.0	280.0	239.0	116.0	630.0

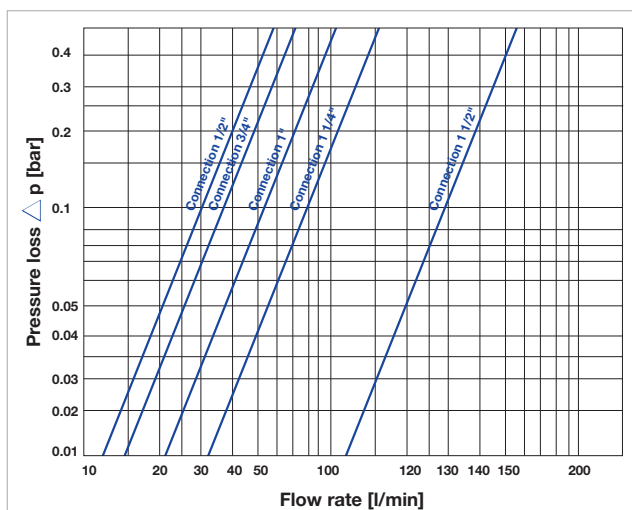
Pressure/Temperature ranges

Max. temperature [°C]	p _{max} [bar]
20	12
60	7

	Ordering no.		Standard strainer insert/Standard filter		
	Type	Size	Mat. no.	Mesh size [mm]	Type (blue)
			53 Polypropylene		
Male thread	S.GA2.	012.	●	0.3	S.000.012.00.26.03
	S.GA3.	034.	●	0.3	S.000.012.00.26.03
	S.GA4.	100.	●	0.3	S.000.100.00.26.03
	S.GA5.	114.	●	0.3	S.000.114.00.26.03
	S.GA6.	112.	●	0.3	S.000.114.00.26.03
Female thread	S.GI2.	012.	●	0.3	S.000.012.00.26.03
	S.GI3.	034.	●	0.3	S.000.012.00.26.03
	S.GI4.	100.	●	0.3	S.000.100.00.26.03
	S.GI5.	114.	●	0.3	S.000.114.00.26.03
	S.GI6.	112.	●	0.3	S.000.114.00.26.03

Optional strainer inserts			
Mesh size [mm]	Type (red)	Mesh size [mm]	Type (green)
0.6	S.000.012.00.26.06	0.2	S.000.012.00.26.02
0.6	S.000.012.00.26.06	0.2	S.000.012.00.26.02
0.6	S.000.100.00.26.06	0.2	S.000.100.00.26.02
0.6	S.000.100.00.26.06	0.2	S.000.100.00.26.02
0.6	S.000.114.00.26.06	0.2	S.000.114.00.26.02
0.6	S.000.114.00.26.06	0.2	S.000.114.00.26.02
0.6	S.000.012.00.26.06	0.2	S.000.012.00.26.02
0.6	S.000.012.00.26.06	0.2	S.000.012.00.26.02
0.6	S.000.012.00.26.06	0.2	S.000.012.00.26.02
0.6	S.000.100.00.26.06	0.2	S.000.100.00.26.02
0.6	S.000.114.00.26.06	0.2	S.000.114.00.26.02
0.6	S.000.114.00.26.06	0.2	S.000.114.00.26.02

Notice: Standard strainer insert (blue) included in the scope of supply.



Correction factors for Δp

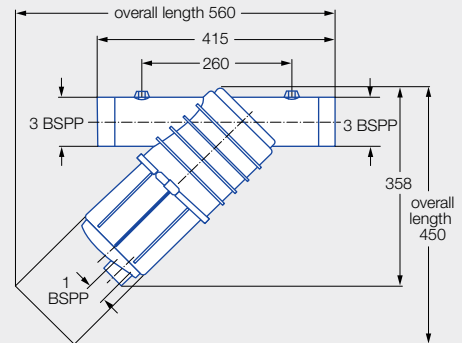
Viscosity [mPa·s]	Basket – mesh size [mm]		
	0.6	0.3	0.2
1.0 (water)	1.0	1.2	1.4
100.0	1.6	1.9	2.0
200.0	1.7	2.2	2.3

Ordering Type + Size + Material no. = Ordering no.
example: S.GA2. + 012. + 53 = S.GA2.012.53



Strainer with high flow rate and low resistance

- Integrated flow deflector prevents clogging of the filter insert
- Dirt particles can be removed via an offset outlet port
- Prepared for the install of two pressure gauges



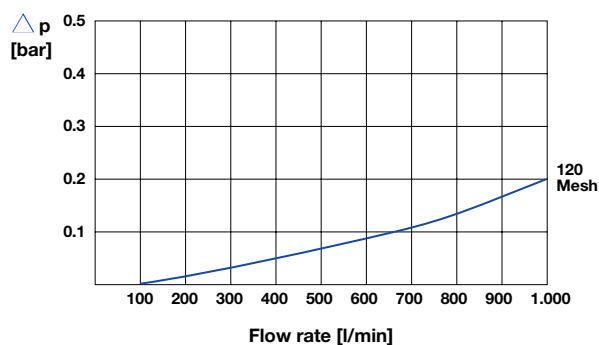
Strainer with screen

Ordering no.			Screen mesh size [µm/mesh]
Type	Size	Mat. no.	
		53	
		Polypropylene	
S.GA2.	300.	●	594/32
S.GA3.	300.	●	365/50
S.GA4.	300.	●	173/100
S.GA5.	300.	●	144/120

Screen

Ordering no.		Mat. no.		Screen mesh size [µm/mesh]
Type	Size	26	5A	
		Stainless steel 304	Polyester/ Stainless steel	
S.002.	300.00.	●		594/32
S.003.	300.00.	●		365/50
S.004.	300.00.	●		173/100
S.005.	300.00.		●	144/120

Pressure loss chart



Technical data

Screening surface	860 cm ²
Screening insert Ø	145 mm
Height of screening insert	320 mm
Inflow/Outflow port Ø	3"
Pressure gauge connection Ø	1/4 BSPP
Max. operating pressure	8 bar

Ordering example for strainer:

Ordering Type + Size + Material no. = Ordering no.
example: S.GA2. + 300. + 53 = S.GA2.300.53

Ordering example for strainer insert:

Ordering Type + Size + Material no. = Ordering no.
example: S.002. + 300.00. + 26 = S.002.300.00.26

