



INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - EC type

EC fittings are designed for low-pressure hoses (with maximum working pressure up to 30 bar, depending on diameter). Widely used for rubber and plastic hoses that are not reinforced, as well as with textile reinforcement or with external steel braid, etc. EC fittings are crimped (H type ferrules) with the use of low pressure crimping machines (see MACHINES AND ACCESORIES).


Contrary to hydraulic fittings, EC fittings are not equipped with a collar joining ferrule with fitting. Widely used in flexible hose assemblies for sanitary, fuel, air installations, etc. EC ferrules can also be used for NiTiO fittings as well as quick release couplings.


H type ferrule			
			
code (galv. steel)	I.D. [mm]	bore diameter [mm]	length [mm]
EC-104038	8	5.6	17
EC-104039	9	4.7	17
EC-104040	9	5.7	17
EC-104050	10	6.7	17
EC-104051	11	6.7	17
EC-104060	11	7.7	17
EC-104062	12	7.7	20
EC-104063	13.5	7.7	20
EC-104065	15	7.6	20
EC-104064	12	10	20
EC-104080	13.5	10.2	20
EC-104084	14	10	20
EC-104085	15	10.2	20
EC-104105	15	11.8	20
EC-104100	16	11.9	20
EC-104107	17	11.9	21
EC-104118	18	13.9	21
EC-104112	19	14	26
EC-104120	20	14	26
EC-104156	21	15.7	25
EC-104122	22	15.7	32
EC-104123	23	17.2	32
EC-104124	24.5	17.2	36
EC-104126	26.5	19.7	32
EC-104128	28	20.7	34
EC-104130	30	24.2	32
EC-104132	32	23.7	34
EC-104133	33	24.2	34
EC-104136	34	25.9	34
EC-104134	32	27.9	34
EC-104137	34.5	27	35
EC-104138	36	27.5	35
EC-104140	38	28.3	35
EC-104142	40	30	40
EC-104145	45	35.1	37
EC-104147	51	41.3	43


H type ferrule			
			
code (AISI 304)	I.D. [mm]	bore diameter [mm]	length [mm]
EC-104240	9	5.5	17
EC-104258	10	6.6	17
EC-104260	11	7.5	17
EC-104262	12	7.5	20
EC-104263	13.5	7.6	20
EC-104278	12.5	10	20
EC-104279	13	9.3	18
EC-104280	13.5	10.1	20
EC-104284	14	9.7	20
EC-104285	15	10	20
EC-104305	15	11.7	20
EC-104300	16	11.7	20
EC-104307	17	12.2	21
EC-104318	18	13.8	21
EC-104312	19	13.8	26
EC-104319	22	15.6	26
EC-104323	23	18.7	28
EC-104324	24.5	17	32
EC-104326	26.5	20	28
EC-104327	29	20.8	30
EC-104332	32	24	34
EC-104334	34.5	26	35
EC-104336	36	27.5	35
EC-104340	40	30.2	35
EC-104345	45	35.1	37
EC-104350	51	41	43
EC-104354	56	42.1	62
EC-104362	61	48	46


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H type ferrule - short			
			
code (galv. steel)	I.D. [mm]	bore diameter [mm]	length [mm]
EC-104082	12.5	9.6	15
EC-104084	14	10.2	20
EC-104106	15	11.8	16
EC-104121	20	13.5	20
EC-104158	22	15.4	20

H type ferrule - short			
			
code (AISI 304)	I.D. [mm]	bore diameter [mm]	length [mm]
EC-104261	12	9	15
EC-104281	13.5	9	15
EC-104320	20	13.5	20

HR type ferrule		
		
code (galv. steel)	I.D. [mm]	length [mm]
EC-1104952	8	10
EC-1104953	9	10
EC-1104954	10	10
EC-1104955	11	10
EC-1104956	12	19

S type fitting (ball end. 60° cone seal. similar to DIN 7608)		
		
code (galv. steel)	hose I.D. [mm]	use nut UM type
EC-105050	5	M10x1 / 1/8"
EC-105060	6	M12x1.5
EC-105068	6	M14x1.5 / 1/4"
EC-105069	6	M16x1.5 / 3/8"
EC-105080	8	M14x1.5 / 1/4"
EC-105081	8	M16x1.5 / 3/8"
EC-105100	10	M16x1.5 / 3/8"
EC-105102	10	M18x1.5
EC-105112	12	M18x1.5
EC-105113	12	1/2"
EC-105114	12	M22x1.5
EC-105150	15	M22x1.5
EC-105151	15	1/2"
EC-105156	15	M26x1.5
EC-105186	18	M26x1.5
EC-105188	20	M30x1.5
EC-105231	20	3/4"
EC-105233	20	1"
EC-105245	25	1"

SF type fitting (flat seal)		
		
code (galv. steel)	hose I.D. [mm]	use nut UM type
EC-105205	5	M10x1 / 1/8"
EC-105206	6	M12x1.5 / 1/4"
EC-105208	8	M14x1.5 / 1/4"
EC-105210	10	M16x1.5 / 3/8"
EC-105212	12	M18x1.5
EC-105213	12	1/2"
EC-105215	15	M22x1.5
EC-105216	15	1/2"
EC-105226	15	M26x1.5
EC-105228	18	M26x1.5
EC-105230	20	3/4"
EC-105232	20	1"
EC-105243	25	1"

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - EC type

Screw nut UM for S and SF fittings



code (galv. steel)	thread size	spanner size [mm]
EC-105510	M10x1	12
EC-105512	M12x1.5	14
EC-105514	M14x1.5	17
EC-105516	M16x1.5	19
EC-105518	M18x1.5	22
EC-105522	M22x1.5	27
EC-105526	M26x1.5	32
EC-105528	M30x1.5	36
EC-105529	M30x12	36
EC-105605	1/8" BSP	14
EC-105608	1/4" BSP	17
EC-105610	3/8" BSP	19
EC-105612	1/2" BSP	24
EC-105620	3/4" BSP	30
EC-105622	1" BSP	36
EC-105609	1/4" BSP (left)	17
EC-105611	3/8" BSP (left)	19

LST type soldering fitting with male metric thread
(60° cone seal)



code (galv. steel)	pipe O.D. [mm]	use nut UM type
EC-109705	5	M10x1
EC-109706	6	M12x1.5
EC-109708	8	M14x1.5
EC-109710	10	M16x1.5
EC-109712	12	M18x1.5
EC-109715	15	M22x1.5
EC-109718	18	M26x1.5

90° elbow hose fitting. RBU type
(ball end. 60° cone seal)



code (galv. steel)	hose I.D. [mm]	thread size [mm]
EC-108210	5	M10x1
EC-108212	6	M12x1.5
EC-108232	6	M14x1.5
EC-108233	6	M16x1.5
EC-108214	8	M14x1.5
EC-108234	8	M16x1.5
EC-108216	10	M16x1.5
EC-108238	10	M18x1.5
EC-108240	12	M16x1.5
EC-108218	12	M18x1.5
EC-108222	15	M22x1.5
EC-108226	15	M26x1.5

90° elbow hose fitting. RBU type
(ball end. 60° cone seal)



code (galv. steel)	hose I.D. [mm]	thread size [inch]
EC-108248	5	1/8
EC-108249	6	1/4
EC-108250	8	1/4
EC-108251	10	3/8
EC-108252	12	1/2
EC-108253	15	1/2

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - EC type

45° elbow hose fitting, RBU type
(ball end. 60° cone seal)



code (galv. steel)	hose I.D. [mm]	thread size [mm]
EC-108211	5	M10x1
EC-108213	6	M12x1.5
EC-108215	8	M14x1.5
EC-108217	10	M16x1.5
EC-108219	12	M18x1.5
EC-108223	15	M22x1.5
EC-108227	18	M26x1.5

45° elbow hose fitting, RBU type
(ball end. 60° cone seal)



code (galv. steel)	hose I.D. [mm]	thread size [inch]
EC-108258	5	1/8
EC-108259	6	1/4
EC-108260	8	1/4
EC-108261	10	3/8
EC-108262	12	1/2
EC-108263	15	1/2

SA type fitting with metric male thread and hose tail
(24° cone seal)



code (galv. steel)	hose I.D. [mm]	pipe O.D. [mm]	thread size [mm]
EC-110205	5	5	M10x1
EC-110206	6	6	M12x1.5
EC-110203	6	8	M14x1.5
EC-110208	8	8	M14x1.5
EC-110204	8	10	M16x1.5
EC-110209	10	8	M14x1.5
EC-110210	10	10	M16x1.5
EC-110212	12	12	M18x1.5
EC-110215	15	15	M22x1.5
EC-110216	15	16	M22x1.5
EC-110217	15	18	M26x1.5
EC-110218	18	18	M26x1.5

SA type fitting with male metric thread and hose tail
(60° cone seal or flat seal)



code (galv. steel)	hose I.D. [mm]	thread size [mm]
EC-110005	6	M10x1 (60°)
EC-110006	6	M12x1.5 (60°)
EC-110008	8	M14x1.5 (60°)
EC-110010	10	M16x1.5 (60°)
EC-110012	12	M18x1.5 (60°)
EC-110122	15	M22x1.5
EC-110125	15	M26x1.5
EC-110126	18	M26x1.5

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - EC type

MS-SA type fitting with male BSP thread and hose tail
(60° cone seal)



code (brass)	hose I.D. [mm]	thread size [inch]
EC-110305	5	1/8
EC-110304	6	1/8
EC-110306	6	1/4
EC-110316	6	3/8
EC-110321	6	1/2
EC-110308	8	1/4
EC-110317	8	3/8
EC-110331	10	1/4
EC-110310	10	3/8
EC-110332	10	1/2
EC-110312	12	1/2
EC-110323	12	3/4
EC-110318	15	3/8
EC-110315	15	1/2

BANJO straight fitting RS type



code (galv. steel)	hose I.D. [mm]	bore diameter [mm]
EC-106006	5	6 mm
EC-106008	5	8 mm
EC-106010	6	10 mm = 1/8"
EC-106012	6	12 mm
EC-106014	6	14 mm = 1/4"
EC-106110	8	10 mm = 1/8"
EC-106112	8	12 mm
EC-106114	8	14 mm = 1/4"
EC-106212	10	12 mm
EC-106214	10	14 mm = 1/4"
EC-106216	10	16 mm
EC-106218	10	18 mm
EC-106314	12	14 mm = 1/4"
EC-106316	12	16 mm
EC-106318	12	18 mm
EC-106418	15	18 mm
EC-106422	15	22 mm = 1/2"
EC-106426	15	26 mm
EC-106522	18	22 mm = 1/2"
EC-106526	18	26 mm
EC-106015	6	1/4"
EC-106113	8	1/4"
EC-106116	8	3/8"
EC-106217	10	3/8"
EC-106313	12	3/8"

LST type soldering fitting with male metric thread
(60° cone seal)



code (galv. steel)	pipe O.D. [mm]	thread size [mm]
EC-109805	5	M10x1
EC-109806	6	M12x1.5
EC-109808	8	M14x1.5
EC-109810	10	M16x1.5
EC-109812	12	M18x1.5
EC-109815	15	M22x1.5
EC-109818	18	M26x1.5

BANJO double fitting DRS type



code (galv. steel)	hose I.D. [mm]	bore diameter
EC-106808	5	8 mm
EC-106810	6	10 mm = 1/8"
EC-106812	8	12 mm
EC-106814	10	14 mm = 1/4"


90° BANJO elbow RBR type





code (galv. steel)	hose I.D. [mm]	bore diameter [mm]
EC-108008	5	8 mm
EC-108010	6	10 mm = 1/8"
EC-108012	8	12 mm
EC-108014	10	14 mm = 1/4"
EC-108016	12	16


INDUSTRIAL FITTINGS - fittings, connectors


Fittings and connectors - EC type

Soldering BANJO fitting RL type (similar to DIN 7642)		
		
code (galv. steel)	pipe O.D. [mm]	bore diameter [mm]
EC-109008	5	8
EC-109010	6	10
EC-109012	6	12
EC-109014	6	14
EC-109112	8	12
EC-109114	8	14
EC-109213	10	12
EC-109214	10	14
EC-109216	10	16
EC-109316	12	16
EC-109318	12	18
EC-109418	15	18
EC-109422	18	22
EC-109426	18	26
EC-109526	22	26
EC-109530	28	30

BANJO double soldering fitting DRL type		
		
code (galv. steel)	pipe O.D. [mm]	bore diameter [mm]
EC-109608	5	8
EC-109610	6	10
EC-109612	8	12
EC-109614	10	14
EC-109616	12	16

BANJO R-G type adapter with metric male thread, 24° cone seal			
			
code (galv. steel)	bore diameter [mm]	pipe O.D. [mm]	thread size [mm]
EC-106950	8	5	M10x1
EC-106952	10	6	M12x1.5
EC-106954	12	8	M14x1.5
EC-106956	14	8	M14x1.5
EC-106958	14	10	M16x1.5
EC-106960	16	12	M18x1.5
EC-106961	18	12	M18x1.5
EC-106962	18	15	M22x1.5
EC-106964	22	15	M22x1.5
EC-106963	22	18	M26x1.5

BANJO R-G type adapter with metric male thread, 60° cone seal		
		
code (galv. steel)	bore diameter [mm]	thread size
EC-106908	8	M10x1
EC-106910	10	M12x1.5
EC-106912	12	M14x1.5
EC-106913	14	1/4" BSP
EC-106914	14	M14x1.5
EC-106915	14	M16x1.5
EC-106916	16	M18x1.5
EC-106918	18	M22x1.5

Double hollow screw for BANJO DHS type			
			
code (galv. steel)	thread size [mm]	length without head [mm]	spanner size [mm]
EC-107108	M8x1	27	12
EC-107110	M10x1	30	14
EC-107112	M12x1.5	38	17
EC-107114	M14x1.5	42	19
EC-107116	M16x1.5	46	22
EC-107118	M18x1.5	54	24
EC-107122	M22x1.5	66	27
EC-107126	M26x1.5	77	32

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - EC type

Hollow screw for BANJO HS type (similar to DIN 7643)



code (galv. steel)	thread size	length without head [mm]	spanner size [mm]
EC-107006	M6x1	17	11
EC-107008	M8x1	17	12
EC-107009	M8x1.25	17	12
EC-107010	M10x1	19	14
EC-107011	M10x1.5	19	14
EC-107012	M12x1.5	24	17
EC-107014	M14x1.5	26	19
EC-107016	M16x1.5	28	22
EC-107018	M18x1.5	32	24
EC-107022	M22x1.5	39	27
EC-107026	M26x1.5	45	32
EC-107030	M30x1.5	51	36
EC-107040	1/8"	19	14
EC-107041	1/4"	26	19
EC-107042	3/8"	28	22
EC-107043	1/2"	39	27

BE-pipe fitting RST type



code (galv. steel)	hose I.D. [mm]	pipe O.D. [mm]
EC-108504	4	4
EC-108505	5	5
EC-108506	6	6
EC-108508	8	8
EC-108510	10	10
EC-108512	12	12
EC-108515	15	15
EC-108518	18	18

T connector TSM type



code (galv. steel)	agreed nominal diameter DN	hose I.D. [mm]
EC-127829	2	4
EC-127830	4	6
EC-127831	6	8
EC-127832	8	10
EC-127833	10	12

90° elbow fitting RBS type



code (galv. steel)	hose I.D. [mm]	pipe O.D. [mm]
EC-108304	4	4
EC-108305	5	5
EC-108306	6	6
EC-108308	8	8
EC-108310	10	10
EC-108312	12	12
EC-108315	15	15
EC-108318	18	18


45° elbow fitting RBS type




code (galv. steel)	hose I.D. [mm]	pipe O.D. [mm]
EC-108307	5.5	6
EC-108309	7.5	8
EC-108311	9.5	10
EC-108313	11.5	12
EC-108316	14.5	15


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Adapter with metric male thread. DST type, 60° cone		
		
code (galv. steel)	thread size [mm]	spanner size [mm]
EC-122010	M10x1	14
EC-122012	M12x1.5	14
EC-122014	M14x1.5	19
EC-122016	M16x1.5	19
EC-122018	M18x1.5	19
EC-122022	M22x1.5	27
EC-122026	M26x1.5	32

Reduction adapter with metric male thread, RDST type, 60° cone			
			
code (galv. steel)	thread size [mm]	thread size [mm]	spanner size [mm]
EC-122050	M8x1	M10x1	12
EC-122052	M10x1	M12x1.5	17
EC-122054	M12x1.5	M14x1.5	17
EC-122056	M12x1.5	M16x1.5	22
EC-122060	M14x1.5	M16x1.5	22
EC-122065	M16x1.5	M18x1.5	24
EC-122070*	M18x1.5	M22x1.5	27

* - 24° cone

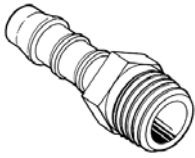
Adapter with BSP male thread, DST type, 60° cone		
		
code (brass)	thread size [inch]	spanner size [mm]
EC-122090	1/8	14
EC-122091	1/4	17
EC-122092	3/8	19
EC-122093	1/2	24
EC-122094	3/4	32
EC-122095	1	36
EC-122096	1.1/4	42
EC-122097	1.1/2	50
EC-122098	2	62

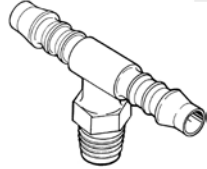
Reduction adapter with BSP male thread, RDST type, 60° cone			
			
code (brass)	thread size [inch]	thread size [inch]	spanner size [mm]
EC-122075	1/8	1/4	17
EC-122076	1/8	3/8	19
EC-122077	1/4	3/8	19
EC-122078	1/4	1/2	24
EC-122079	3/8	1/2	24
EC-122080	3/8	3/4	32
EC-122081	1/2	3/4	32
EC-122082	1/2	1	36
EC-122083	3/4	1	36
EC-122084	1	1.1/4	42
EC-122085	1	1.1/2	50
EC-122086	1.1/4	1.1/2	50
EC-122087	1.1/2	2	62

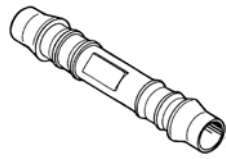
INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - NA type

Fittings and hose connectors designed for control systems, liquid and gas transportation systems, vacuum applications, etc. Fittings made of polyamide (PA6), hose connectors of acetal polyoxymethylene (POM). Fittings with NPT thread are available on request.

Straight fitting with male thread			
			
710			
code (polyamide)	thread size	hose I.D. [mm]	flow DN [mm]
NA-7100052003	M5	3	2.5
NA-7100001004	M8x1	4	2.5
NA-7100002004	M8x1.25	4	2.5
NA-7100003004	M10x1	4	2.5
NA-7100004004	M12x1.5	4	2.5
NA-7100005004	M14x1.5	4	2.5
NA-7100010004	1/8" BSPT	4	2.5
NA-7100011004	1/4" BSPT	4	2.5
NA-7100004005	M12x1.5	5	3
NA-7100005005	M14x1.5	5	3
NA-7100011005	1/4" BSPT	5	3
NA-7100003006	M10x1	6	4
NA-7100004006	M12x1.5	6	4
NA-7100005006	M14x1.5	6	4
NA-7100010006	1/8" BSPT	6	4
NA-7100011006	1/4" BSPT	6	4
NA-7100012006	3/8" BSPT	6	4
NA-7100003008	M10x1	8	5.6
NA-7100004008	M12x1.5	8	5.6
NA-7100005008	M14x1.5	8	5.6
NA-7100007008	M18x1.5	8	5.6
NA-7100049008	M22x1.5	8	5.6
NA-7100009008	M26x1.5	8	5.6
NA-7100010008	1/8" BSPT	8	5.6
NA-7100011008	1/4" BSPT	8	5.6
NA-7100012008	3/8" BSPT	8	5.6
NA-7100013008	1/2" BSPT	8	5.6
NA-7100004010	M12x1.5	10	7
NA-7100005010	M14x1.5	10	7
NA-7100006010	M16x1.5	10	7
NA-7100011010	1/4" BSPT	10	7
NA-7100012010	3/8" BSPT	10	7
NA-7100006012	M16x1.5	12	8.6
NA-7100007012	M18x1.5	12	8.6
NA-7100049012	M22x1.5	12	8.6
NA-7100009012	M26x1.5	12	8.6
NA-7100012012	3/8" BSPT	12	8.6
NA-7100013012	1/2" BSPT	12	8.6
NA-7100007014	M18x1.5	14	10
NA-7100008014	M20x1.5	14	10
NA-7100019014	M22x1.5	14	10
NA-7100012014	3/8" BSPT	14	10
NA-7100013014	1/2" BSPT	14	10
NA-7100009016	M26x1.5	16	12
NA-7100013016	1/2" BSPT	16	12
NA-7100014016	3/4" BSPT	16	12
NA-7100009019	M26x1.5	19	15
NA-7100014019	3/4" BSPT	19	15
NA-7100015025	1" BSPT	25	21

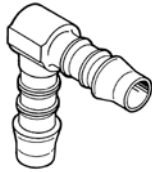
Tee connector			
			
720			
code (polyamide)	thread size	hose I.D. [mm]	flow DN [mm]
NA-7200001004	M8x1	4	2.5
NA-7200003004	M10x1	4	2.5
NA-7200004004	M12x1.5	4	2.9
NA-7200005004	M14x1.5	4	2.5
NA-7200010004	1/8 BSPT	4	2.5
NA-7200011004	1/4 BSPT	4	2.5
NA-7200003006	M10x1	6	4
NA-7200004006	M12x1.5	6	4
NA-7200010006	1/8 BSPT	6	4
NA-7200011006	1/4 BSPT	6	4
NA-7200004008	M12x1.5	8	5.6
NA-7200005008	M14x1.5	8	5.6
NA-7200011008	1/4 BSPT	8	5.6
NA-7200012010	3/8 BSPT	10	7

Straight hose connector		
		
750		
code (POM)	hose I.D. [mm]	flow DN [mm]
NA-7500000003	3	2.5
NA-7500000004	4	2.7
NA-7500000005	5	3
NA-7500000006	6	4
NA-7500000008	8	5.6
NA-7500000010	10	7
NA-7500000012	12	8.6
NA-7500000013	13	8.6
NA-7500000014	14	10
NA-7500000016	16	12
NA-7500000019	19	15
NA-7500000025	25	21

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and connectors - NA type

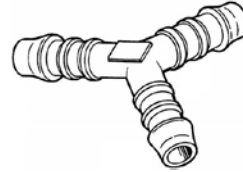
90° elbow hose connector



762

code (POM)	hose I.D. [mm]	flow DN [mm]
NA-7620000003	3	2.5
NA-7620000004	4	2.5
NA-7620000005	5	3
NA-7620000006	6	4
NA-7620000008	8	5.6
NA-7620000010	10	7
NA-7620000012	12	8.6
NA-7620000013	13	8.6
NA-7620000014	14	10
NA-7620000015	15	11
NA-7620000016	16	12
NA-7620000019	19	15
NA-7620000025	25	21

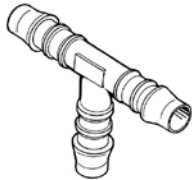
Tee (Y-shaped) hose connector



770

code (POM)	hose I.D. [mm]	flow DN [mm]
NA-7700000003	3	2.5
NA-7700000004	4	2.5
NA-7700000005	5	3
NA-7700000006	6	4
NA-7700000008	8	5.6
NA-7700000010	10	7
NA-7700000012	12	8.6
NA-7700000013	13	9
NA-7700000014	14	10
NA-7700000016	16	12
NA-7700000019	19	15

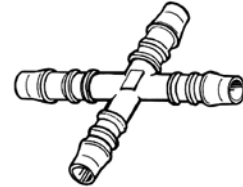
Tee (T-shaped) hose connector



760

code (POM)	hose I.D. [mm]	flow DN [mm]
NA-7600000003	3	2.5
NA-7600000004	4	2.7
NA-7600000005	5	3
NA-7600000006	6	4
NA-7600000007	7	5
NA-7600000008	8	5.6
NA-7600000010	10	7
NA-7600000012	12	8.6
NA-7600000013	13	8.6
NA-7600000014	14	10
NA-7600000015	15	11
NA-7600000016	16	12
NA-7600000019	19	15
NA-7600000025	25	21

Cross hose connector




772

code (POM)	hose I.D. [mm]	flow DN [mm]
NA-7720000004	4	2.9
NA-7720000005	5	3
NA-7720000006	6	4
NA-7720000012	12	8.6


INDUSTRIAL FITTINGS - fittings, connectors

Fittings and hose connectors - EM type (3T series) PN 10 bar


Fittings and hose connectors made of polypropylene, PVDF, PTFE are widely used in laboratory and medicine as well as pharmaceutical, chemical and food industry. Designed for hoses made of plastic materials (see chapters: TYGON, silicone hoses). Available with BSP or NPT threads.

description	code (polypropylene)	code (PVDF)	code (PTFE)	thread size [inch]	hose I.D. [mm]
	EM-PWB3T-02-04-PP	EM-PWB3T-02-04-PV	EM-PWB3T-02-04-PT	1/8	4
	EM-PWB3T-04-06-PP	EM-PWB3T-04-06-PV	-	1/4	6
	EM-PWB3T-06-08-PP	EM-PWB3T-06-08-PV	-	3/8	8
	EM-PWB3T-06-10-PP	EM-PWB3T-06-10-PV	EM-PWB3T-06-10-PT	3/8	10
	EM-PWB3T-08-12-PP	EM-PWB3T-08-12-PV	-	1/2	12
	EM-PWB3T-08-14-PP	EM-PWB3T-08-14-PV	-	1/2	14
	EM-PWB3T-08-16-PP	-	EM-PWB3T-08-16-PT	1/2	16


- exemplary code for NPT thread version: EM-PWN-02-04PP

description	code (polypropylene)	code (PVDF)	code (PTFE)	thread size [inch]	hose I.D. [mm]
	EM-PZB3T-02-04-PP	EM-PZB3T-02-04-PV	EM-PZB3T-02-04-PT	1/8	4
	EM-PZB3T-04-06-PP	EM-PZB3T-04-06-PV	EM-PZB3T-04-06-PT	1/4	6
	EM-PZB3T-06-08-PP	EM-PZB3T-06-08-PV	EM-PZB3T-06-08-PT	3/8	8
	EM-PZB3T-06-10-PP	EM-PZB3T-06-10-PV	EM-PZB3T-06-10-PT	3/8	10
	EM-PZB3T-08-12-PP	EM-PZB3T-08-12-PV	EM-PZB3T-08-12-PT	1/2	12
	EM-PZB3T-08-14-PP	EM-PZB3T-08-14-PV	EM-PZB3T-08-14-PT	1/2	14
	EM-PZB3T-08-16-PP	EM-PZB3T-08-16-PV	EM-PZB3T-08-16-PT	1/2	16

- exemplary code for NPT thread version: EM-PZN-02-04PP

description	code (polypropylene)	code (PVDF)	code (PTFE)	thread size [inch]	hose I.D. [mm]
	EM-KWB3T-02-04-PP	-	-	1/8	4
	EM-KWB3T-04-06-PP	EM-KWB3T-04-06-PV	-	1/4	6
	EM-KWB3T-06-08-PP	EM-KWB3T-06-08-PV	-	3/8	8
	EM-KWB3T-06-10-PP	-	-	3/8	10
	EM-KWB3T-08-12-PP	EM-KWB3T-08-12-PV	-	1/2	12


- exemplary code for NPT thread version: EM-KWN-02-04PP


description	code (polypropylene)	code (PVDF)	code (PTFE)	thread size [inch]	hose I.D. [mm]
	EM-KZB3T-02-04-PP	EM-KZB3T-02-04-PV	EM-KZB3T-02-04-PT	1/8	4
	EM-KZB3T-04-06-PP	EM-KZB3T-04-06-PV	EM-KZB3T-04-06-PT	1/4	6
	EM-KZB3T-06-08-PP	EM-KZB3T-06-08-PV	EM-KZB3T-06-08-PT	3/8	8
	EM-KZB3T-06-10-PP	EM-KZB3T-06-10-PV	EM-KZB3T-06-10-PT	3/8	10
	EM-KZB3T-08-12-PP	EM-KZB3T-08-12-PV	-	1/2	12


- exemplary code for NPT thread version: EM-KZN-02-04PP

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and hose connectors - EM type (3T series) PN 10 bar

description	code (polypropylene)	code (PVDF)	code (PTFE)	hose I.D. [mm]
Straight hose connector 	EM-LP3T-04-PP	EM-LP3T-04-PV	EM-LP3T-04-PT	4
	EM-LP3T-06-PP	EM-LP3T-06-PV	EM-LP3T-06-PT	6
	EM-LP3T-08-PP	EM-LP3T-08-PV	EM-LP3T-08-PT	8
	EM-LP3T-10-PP	EM-LP3T-10-PV	EM-LP3T-10-PT	10
	EM-LP3T-12-PP	EM-LP3T-12-PV	EM-LP3T-12-PT	12


description	code (polypropylene)	code (PVDF)	code (PTFE)	hose I.D. [mm]
90° elbow hose connector 	EM-LK3T-04-PP	EM-LK3T-04-PV	EM-LK3T-04-PT	4
	EM-LK3T-06-PP	EM-LK3T-06-PV	EM-LK3T-06-PT	6
	EM-LK3T-08-PP	EM-LK3T-08-PV	EM-LK3T-08-PT	8
	EM-LK3T-10-PP	EM-LK3T-10-PV	EM-LK3T-10-PT	10
	EM-LK3T-12-PP	EM-LK3T-12-PV	EM-LK3T-12-PT	12


description	code (polypropylene)	code (PVDF)	code (PTFE)	hose I.D. [mm]
Tee hose connector 	EM-LT3T-04-PP	EM-LT3T-04-PV	EM-LT3T-04-PT	4
	EM-LT3T-06-PP	EM-LT3T-06-PV	EM-LT3T-06-PT	6
	EM-LT3T-08-PP	EM-LT3T-08-PV	EM-LT3T-08-PT	8
	EM-LT3T-10-PP	EM-LT3T-10-PV	EM-LT3T-10-PT	10
	EM-LT3T-12-PP	EM-LT3T-12-PV	EM-LT3T-12-PT	12


INDUSTRIAL FITTINGS - fittings, connectors


Fittings and hose connectors - EM type (3F series) PN 10 bar


Plastic fittings and hose connectors made of polypropylene and PVDF are widely used in laboratory and medicine as well as pharmaceutical, chemical and food industry. Available with BSP, NPT and metric threads.

description	code (polypropylene)	code (PVDF)	thread size [inch]
	EM-LPZZB3F-02-PP	EM-LPZZB3F-02-PV	1/8
	EM-LPZZB3F-04-PP	EM-LPZZB3F-04-PV	1/4
	EM-LPZZB3F-06-PP	EM-LPZZB3F-06-PV	3/8
	EM-LPZZB3F-08-PP	EM-LPZZB3F-08-PV	1/2
	EM-LPZZB3F-12-PP	EM-LPZZB3F-12-PV	3/4
	EM-LPZZB3F-16-PP	EM-LPZZB3F-16-PV	1
	EM-LPZZB3F-20-PP	EM-LPZZB3F-20-PV	1.1/4
	EM-LPZZB3F-24-PP	EM-LPZZB3F-24-PV	1.1/2
	-	EM-LPZZB3F-32-PV	2

description	code (polypropylene)	code (PVDF)	thread size [inch]
	EM-LPZWB3F-02-PP	EM-LPZWB3F-02-PV	1/8
	EM-LPZWB3F-04-PP	EM-LPZWB3F-04-PV	1/4
	EM-LPZWB3F-06-PP	EM-LPZWB3F-06-PV	3/8
	EM-LPZWB3F-08-PP	EM-LPZWB3F-08-PV	1/2
	EM-LPZWB3F-12-PP	EM-LPZWB3F-12-PV	3/4
	EM-LPZWB3F-16-PP	EM-LPZWB3F-16-PV	1
	EM-LPZWB3F-20-PP	EM-LPZWB3F-20-PV	1.1/4
	EM-LPZWB3F-24-PP	EM-LPZWB3F-24-PV	1.1/2
	EM-LPZWB3F-32-PP	-	2

description	code (polypropylene)	code (PVDF)	thread size [inch]
	EM-LPWWB3F-02-PP	EM-LPWWB3F-02-PV	1/8
	EM-LPWWB3F-04-PP	EM-LPWWB3F-04-PV	1/4
	EM-LPWWB3F-06-PP	EM-LPWWB3F-06-PV	3/8
	EM-LPWWB3F-08-PP	EM-LPWWB3F-08-PV	1/2
	EM-LPWWB3F-12-PP	EM-LPWWB3F-12-PV	3/4
	EM-LPWWB3F-16-PP	EM-LPWWB3F-16-PV	1
	EM-LPWWB3F-20-PP	-	1.1/4
	EM-LPWWB3F-24-PP	-	1.1/2
	EM-LPWWB3F-32-PP	-	2


description	code (polypropylene)	code (PVDF)	thread size [inch]
	EM-ZZB3F-02-PP	EM-ZZB3F-02-PV	1/8
	EM-ZZB3F-04-PP	EM-ZZB3F-04-PV	1/4
	EM-ZZB3F-06-PP	EM-ZZB3F-06-PV	3/8
	EM-ZZB3F-08-PP	EM-ZZB3F-08-PV	1/2
	EM-ZZB3F-12-PP	EM-ZZB3F-12-PV	3/4
	EM-ZZB3F-16-PP	EM-ZZB3F-16-PV	1
	EM-ZZB3F-20-PP	-	1.1/4
	EM-ZZB3F-24-PP	-	1.1/2


description	code (polypropylene)	code (PVDF)	thread size [inch]
	EM-ZWB3F-02-PP	EM-ZWB3F-02-PV	1/8
	EM-ZWB3F-04-PP	EM-ZWB3F-04-PV	1/4
	EM-ZWB3F-06-PP	EM-ZWB3F-06-PV	3/8
	EM-ZWB3F-08-PP	EM-ZWB3F-08-PV	1/2
	EM-ZWB3F-12-PP	EM-ZWB3F-12-PV	3/4
	EM-ZWB3F-16-PP	-	1
	-	EM-ZWB3F-20-PV	1.1/4
	EM-ZWB3F-24-PP	-	1.1/2


INDUSTRIAL FITTINGS - fittings, connectors


Fittings and hose connectors - EM type (1A series) PN 10 bar

Plastic fittings and hose connectors made of polypropylene and PVDF are widely used in laboratory and medicine as well as pharmaceutical, chemical and food industry. Designed for metric plastic hoses (see chapters: PTFE hoses, Pneumatics). Available with BSP and NPT threads.

description	code (polypropylene)	code (PVDF)	hose I.D. x O.D [mm]
	EM-LP1A-04X06-PP	EM-LP1A-04X06-PV	4x6
	EM-LP1A-05X08-PP	EM-LP1A-05X08-PV	5x8
	EM-LP1A-06X08-PP	EM-LP1A-06X08-PV	6x8
	-	EM-LP1A-06X09-PV	6x9
	EM-LP1A-06X10-PP	EM-LP1A-06X10-PV	6x10
	EM-LP1A-08X10-PP	EM-LP1A-08X10-PV	8x10
	EM-LP1A-08X12-PP	EM-LP1A-08X12-PV	8x12
	EM-LP1A-10X12-PP	EM-LP1A-10X12-PV	10x12
	EM-LP1A-10X14-PP	EM-LP1A-10X14-PV	10x14
	EM-LP1A-12X14-PP	EM-LP1A-12X14-PV	12x14
EM-LP1A-12X16-PP	EM-LP1A-12X16-PV	12x16	

description	code (polypropylene)	code (PVDF)	hose I.D. x O.D [mm]
	EM-LPR1A-06X08-04X06-PP	EM-LPR1A-06X08-04X06-PV	6x8 / 4x6
	EM-LPR1A-06X08-05X08-PP	EM-LPR1A-06X08-05X08-PV	6x8 / 5x8
	EM-LPR1A-06X08-08X10-PP	EM-LPR1A-06X08-08X10-PV	6x8 / 8x10
	EM-LPR1A-06X10-04X06-PP	EM-LPR1A-06X10-04X06-PV	6x10 / 4x6
	-	EM-LPR1A-06X10-06X08-PV	6x10 / 6x8
	EM-LPR1A-08X10-04X06-PP	EM-LPR1A-08X10-04X06-PV	8x10 / 4x6
	EM-LPR1A-08X10-10X12-PP	EM-LPR1A-08X10-10X12-PV	8x10 / 10x12
	EM-LPR1A-10X12-04X06-PP	EM-LPR1A-10X12-04X06-PV	10x12 / 4x6
	EM-LPR1A-10X12-06X08-PP	EM-LPR1A-10X12-06X08-PV	10x12 / 6x8
	EM-LPR1A-10X12-12X14-PP	EM-LPR1A-10X12-12X14-PV	10x12 / 12x14


description	code (polypropylene)	code (PVDF)	thread size [inch]	hose I.D. x O.D [mm]
	EM-KZB1A-02-04X06-PP	EM-KZB1A-02-04X06-PV	1/8	4x6
	EM-KZB1A-04-04X06-PP	EM-KZB1A-04-04X06-PV	1/4	4x6
	EM-KZB1A-06-04X06-PP	EM-KZB1A-06-04X06-PV	3/8	4x6
	EM-KZB1A-08-04X06-PP	EM-KZB1A-08-04X06-PV	1/2	4x6
	EM-KZB1A-02-06X08-PP	EM-KZB1A-02-06X08-PV	1/8	6x8
	EM-KZB1A-04-06X08-PP	EM-KZB1A-04-06X08-PV	1/4	6x8
	EM-KZB1A-06-06X08-PP	EM-KZB1A-06-06X08-PV	3/8	6x8
	EM-KZB1A-08-06X08-PP	EM-KZB1A-08-06X08-PV	1/2	6x8
	EM-KZB1A-02-08X10-PP	EM-KZB1A-02-08X10-PV	1/8	8x10
	EM-KZB1A-04-08X10-PP	EM-KZB1A-04-08X10-PV	1/4	8x10
	EM-KZB1A-06-08X10-PP	EM-KZB1A-06-08X10-PV	3/8	8x10
	EM-KZB1A-08-08X10-PP	EM-KZB1A-08-08X10-PV	1/2	8x10


description	code (polypropylene)	code (PVDF)	thread size [inch]	hose I.D. x O.D [mm]
	EM-KWB1A-02-04X06-PP	EM-KWB1A-02-04X06-PV	1/8	4x6
	EM-KWB1A-04-04X06-PP	EM-KWB1A-04-04X06-PV	1/4	4x6
	EM-KWB1A-06-04X06-PP	EM-KWB1A-06-04X06-PV	3/8	4x6
	EM-KWB1A-08-04X06-PP	EM-KWB1A-08-04X06-PV	1/2	4x6
	EM-KWB1A-02-06X08-PP	EM-KWB1A-02-06X08-PV	1/8	6x8
	EM-KWB1A-04-06X08-PP	EM-KWB1A-04-06X08-PV	1/4	6x8
	EM-KWB1A-06-06X08-PP	EM-KWB1A-06-06X08-PV	3/8	6x8
	EM-KWB1A-08-06X08-PP	EM-KWB1A-08-06X08-PV	1/2	6x8
	EM-KWB1A-02-08X10-PP	EM-KWB1A-02-08X10-PV	1/8	8x10
	EM-KWB1A-04-08X10-PP	EM-KWB1A-04-08X10-PV	1/4	8x10
	EM-KWB1A-06-08X10-PP	EM-KWB1A-06-08X10-PV	3/8	8x10
	EM-KWB1A-08-08X10-PP	EM-KWB1A-08-08X10-PV	1/2	8x10


INDUSTRIAL FITTINGS - fittings, connectors

Fittings and hose connectors - EM type (1B series) PN 10 bar

Plastic fittings and hose connectors made of polypropylene and PVDF are widely used in laboratory and medicine as well as pharmaceutical, chemical and food industry. Designed for plastic hoses reinforced with braid. Available with BSP and NPT threads.

description	code (polypropylene)	code (PVDF)	hose I.D. x O.D [mm]
Straight connector 	EM-LP1B-04X10-PP	EM-LP1B-04X10-PV	4x10
	EM-LP1B-05X11-PP	EM-LP1B-05X11-PV	5x11
	EM-LP1B-06X12-PP	EM-LP1B-06X12-PV	6x12
	EM-LP1B-08X14-PP	EM-LP1B-08X14-PV	8x14
	EM-LP1B-09X15-PP	EM-LP1B-09X15-PV	9x15
	EM-LP1B-10X16-PP	EM-LP1B-10X16-PV	10x16
	EM-LP1B-12X18-PP	EM-LP1B-12X18-PV	12x18
	EM-LP1B-13X19-PP	EM-LP1B-13X19-PV	13x19
	EM-LP1B-13X20-PP	EM-LP1B-13X20-PV	13x20
EM-LP1B-19X27-PP	EM-LP1B-19X27-PV	19x27	


description	code (polypropylene)	code (PVDF)	thread size [inch]	hose I.D. x O.D [mm]
Straight fitting with BSP male 	EM-KZB1B-02-10-PP	EM-KZB1B-02-10-PV	1/8	4x10
	EM-KZB1B-04-10-PP	EM-KZB1B-04-10-PV	1/4	4x10
	EM-KZB1B-06-10-PP	EM-KZB1B-06-10-PV	3/8	4x10
	EM-KZB1B-08-10-PP	EM-KZB1B-08-10-PV	1/2	4x10
	EM-KZB1B-12-10-PP	-	3/4	4x10
	EM-KZB1B-02-12-PP	EM-KZB1B-02-12-PV	1/8	6x12
	EM-KZB1B-04-12-PP	EM-KZB1B-04-12-PV	1/4	6x12
	EM-KZB1B-06-12-PP	EM-KZB1B-06-12-PV	3/8	6x12
	EM-KZB1B-08-12-PP	EM-KZB1B-08-12-PV	1/2	6x12
	EM-KZB1B-12-12-PP	EM-KZB1B-12-12-PV	3/4	6x12
	EM-KZB1B-02-14-PP	-	1/8	8x14
	EM-KZB1B-04-14-PP	EM-KZB1B-04-14-PV	1/4	8x14
	EM-KZB1B-06-14-PP	EM-KZB1B-06-14-PV	3/8	8x14
	EM-KZB1B-08-14-PP	EM-KZB1B-08-14-PV	1/2	8x14
	EM-KZB1B-12-14-PP	-	3/4	8x14
	EM-KZB1B-02-15-PP	EM-KZB1B-02-15-PV	1/8	9x15
	EM-KZB1B-04-15-PP	EM-KZB1B-04-15-PV	1/4	9x15
	EM-KZB1B-06-15-PP	EM-KZB1B-06-15-PV	3/8	9x15
EM-KZB1B-08-15-PP	EM-KZB1B-08-15-PV	1/2	9x15	
EM-KZB1B-12-15-PP	EM-KZB1B-12-15-PV	3/4	9x15	


description	code (polypropylene)	code (PVDF)	thread size [inch]	hose I.D. x O.D [mm]
Straight fitting with BSP female 	-	EM-KWB1B-02-10-PV	1/8	4x10
	-	EM-KWB1B-04-10-PV	1/4	4x10
	EM-KWB1B-06-10-PP	EM-KWB1B-06-10-PV	3/8	4x10
	EM-KWB1B-08-10-PP	-	1/2	4x10
	EM-KWB1B-04-12-PP	EM-KWB1B-04-12-PV	1/4	6x12
	EM-KWB1B-06-12-PP	EM-KWB1B-06-12-PV	3/8	6x12
	EM-KWB1B-08-12-PP	EM-KWB1B-08-12-PV	1/2	6x12
	EM-KWB1B-12-12-PP	-	3/4	6x12
	EM-KWB1B-04-14-PP	-	1/4	8x14
	EM-KWB1B-06-14-PP	EM-KWB1B-06-14-PV	3/8	8x14
	EM-KWB1B-08-14-PP	EM-KWB1B-08-14-PV	1/2	8x14
	EM-KWB1B-12-14-PP	-	3/4	8x14
	-	EM-KWB1B-02-15-PV	1/8	9x15
	-	EM-KWB1B-04-15-PV	1/4	9x15
	EM-KWB1B-06-15-PP	EM-KWB1B-06-15-PV	3/8	9x15
	EM-KWB1B-08-15-PP	EM-KWB1B-08-15-PV	1/2	9x15
	EM-KWB1B-12-15-PP	EM-KWB1B-12-15-PV	3/4	9x15

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and hose connectors - EM type (3C series) PN 6 bar


Plastic Tri-Clamp fittings made of polypropylene, PVDF and PTFE. Depending on the medium, seals can be made of EPDM, FPM, PTFE or FFKM. Sizes and diameters compliant with DIN 32676, ISO 2852 and BS 4825 standard. Available with BSP and NPT thread.


picture	code	plate diameter [mm]	thread size [inch]	material
	EM-3C100MG25116-PF	25	1/16	PFA
	EM-3C100MG2518-PV	25	1/8	PVDF
	EM-3C100MG2514-PF	25	1/4	PFA
	EM-3C100MG2514-PP	25	1/4	PP
	EM-3C100MG2514-PN	25	1/4	PP-NATURE
	EM-3C100MG2514-PT	25	1/4	PTFE
	EM-3C100MG2514-PV	25	1/4	PVDF
	EM-3C100MG3414-PT	34	1/4	PTFE
	EM-3C100MG3414-PV	34	1/4	PVDF
	EM-3C100MG3438-PT	34	3/8	PTFE
	EM-3C100MG3438-PV	34	3/8	PVDF
	EM-3C100MG3412-PT	34	1/2	PTFE
	EM-3C100MG3412-PV	34	1/2	PVDF
	EM-3C100MG5014-PV	50.5	1/4	PVDF
	EM-3C100MG5012-PP	50.5	1/2	PP
	EM-3C100MG5012-PT	50.5	1/2	PTFE
	EM-3C100MG5012-PV	50.5	1/2	PVDF
	EM-3C100MG5034-PP	50.5	3/4	PP
	EM-3C100MG5034-PT	50.5	3/4	PTFE
	EM-3C100MG5034-PV	50.5	3/4	PVDF
EM-3C100MG50100-PP	50.5	1	PP	
EM-3C100MG50100-PT	50.5	1	PTFE	
EM-3C100MG50100-PV	50.5	1	PVDF	
EM-3C100MG50114-PP	50.5	1.1/4	PP	

picture	code	plate diameter [mm]	thread size [inch]	material
	EM-3C100FG2518-PN	25	1/8	PP-NATURE
	EM-3C100FG5018-PP	50.5	1/8	PP
	EM-3C100FG5014-PV	50.5	1/4	PVDF
	EM-3C100FG5012-PV	50.5	1/2	PVDF
	EM-3C100FG5034-PP	50.5	3/4	PP
	EM-3C100FG50100-PV	50.5	1	PVDF

INDUSTRIAL FITTINGS - fittings, connectors

Fittings and hose connectors - EM type (3C series) PN 6 bar

picture	code	plate diameter [mm]	hose diameter [mm]	material
	EM-3C100TA2540-PP	25	4/6	PP
	EM-3C100TA2540-PV	25	4/6	PVDF
	EM-3C100TA2543-PP	25	6/8	PP
	EM-3C100TA2543-PV	25	6/8	PVDF
	EM-3C100TA2545-PP	25	8/10	PP
	EM-3C100TA2545-PV	25	8/10	PVDF
	EM-3C100TA2548-PV	25	10/12	PVDF
	EM-3C100TA3443-PP	34	6/8	PP
	EM-3C100TA3443-PN	34	6/8	PP-NATUR
	EM-3C100TA3443-PV	34	6/8	PVDF
	EM-3C100TA3445-PP	34	8/10	PP
	EM-3C100TA3445-PV	34	8/10	PVDF
	EM-3C100TA3448-PP	34	10/12	PP

picture	code	plate diameter [mm]	hose diameter [mm]	material
	EM-3C100TT3440-PV	34	6	PVDF
	EM-3C100TT3448-PV	34	10	PVDF
	EM-3C100TT3451-PV	34	12	PVDF
	EM-3C100TT5048-PV	50.5	10	PVDF
	EM-3C100TT5051-PV	50.5	12	PVDF

INDUSTRIAL FITTINGS - fittings, connectors

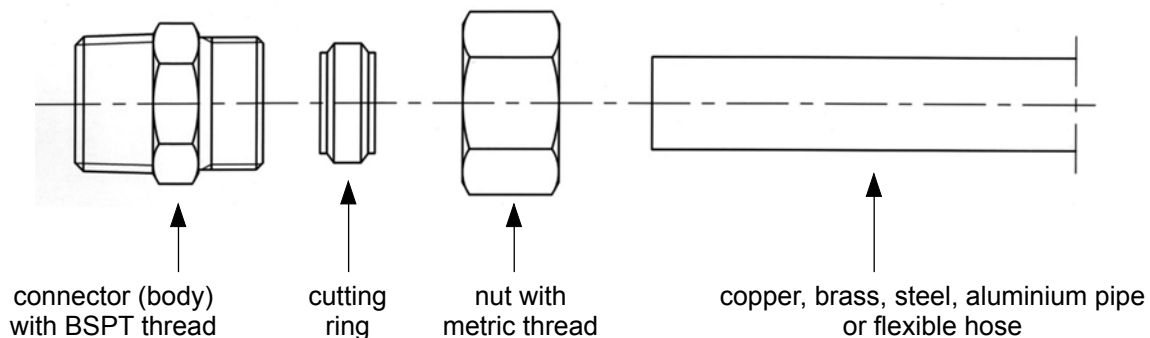
Brass connectors - AI 13000 type

General purpose connectors with cutting ring of a symmetric shape, designed to connect copper, brass, steel, aluminium pipes, etc. as well as plastic pipes and hoses (e.g. polyamide) in accordance to EN 1254-2 standard. Body, nut and ring made of brass. Pipe O.D., capable of being connected, from 4 to 22 mm. Sealing of the connection is obtained by cutting ring biting into the pipe and simultaneously pressing the pipe (with cutting ring) against the socket with the use of nut. Array of connectors designed to connect pipes (straight connectors, elbows, tees, crosses), stud couplings to be screwed into the body (straight, elbow, tee, BANJO), adapters, cutting rings, nuts and others. General purpose brass connectors designed for water, air, oil, fuels, etc. especially applied in installations built of brass pipes.

Maximum working pressure for connection of brass pipes with wall thickness of 1 mm (pre-set safety factor 4:1, temperature +20°C)

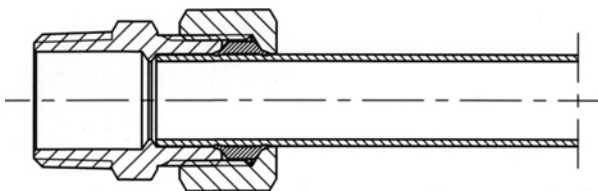
pipe O.D. [mm]	4	6	8	10	12	14	16	18	22
working press. [bar]	150	150	135	95	75	100	95	70	70

Note: for pipes and hoses made of different materials, tests in real working conditions are recommended, taking the influence of working temperature into consideration.



CONNECTOR AFTER ASSEMBLY

Attention: for flexible hoses, reinforcing ferrule is recommended. For bended pipes, straight piece of the pipe (min. 2x height of the nut) should be retained - measured from nut after assembly.




ASSEMBLY OF CONNECTOR ON PIPE


1. Pipe must be cut off at the right angle.
2. Put mineral oil on outside thread, ring and inside thread.
3. Insert the pipe into the connector, put ring and nut, screw the nut by hand.
4. Be sure the pipe reached the bottom of connector.
5. Screw the nut by 1 and 1/4 turn.
6. Unscrew the nut, take the pipe out, check the position of cutting ring.
7. Screw the connection with a spanner by additional 1/4 turn.


INDUSTRIAL FITTINGS - fittings, connectors

Brass connectors - AI 13000 type

Straight connector		
		
13460		
code	pipe O.D. [mm]	spanner size [mm]
AI-13460-04	4	10
AI-13460-06	6	11
AI-13460-08	8	13
AI-13460-10	10	16
AI-13460-12	12	18
AI-13460-14	14	21
AI-13460-15	15	21
AI-13460-16	16	22
AI-13460-18	18	26
AI-13460-22	22	30

90° elbow connector		
		
13260		
code	pipe O.D. [mm]	spanner size [mm]
AI-13260-04	4	8
AI-13260-06	6	9
AI-13260-08	8	11
AI-13260-10	10	13
AI-13260-12	12	14
AI-13260-14	14	17
AI-13260-15	15	17
AI-13260-16	16	17
AI-13260-18	18	20
AI-13260-22	22	27

Tee connector		
		
13200		
code	pipe O.D. [mm]	spanner size [mm]
AI-13200-04	4	8
AI-13200-06	6	9
AI-13200-08	8	12
AI-13200-10	10	13
AI-13200-12	12	14
AI-13200-14	14	18
AI-13200-15	15	18
AI-13200-16	16	17
AI-13200-18	18	20
AI-13200-22	22	27

Cross connector		
		
13510		
code	pipe O.D. [mm]	spanner size [mm]
AI-13510-04	4	8
AI-13510-06	6	9
AI-13510-08	8	11
AI-13510-10	10	13
AI-13510-12	12	17
AI-13510-14	14	17

INDUSTRIAL FITTINGS - fittings, connectors

Brass connectors - AI 13000 type

Straight connector BSPT male



13480

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13480-04-02	4	1/8	11
AI-13480-04-04	4	1/4	14
AI-13480-06-02	6	1/8	11
AI-13480-06-04	6	1/4	14
AI-13480-06-06	6	3/8	17
AI-13480-08-02	8	1/8	13
AI-13480-08-04	8	1/4	14
AI-13480-08-06	8	3/8	17
AI-13480-10-04	10	1/4	16
AI-13480-10-06	10	3/8	17
AI-13480-10-08	10	1/2	21
AI-13480-12-04	12	1/4	18
AI-13480-12-06	12	3/8	18
AI-13480-12-08	12	1/2	21
AI-13480-14-06	14	3/8	20
AI-13480-14-08	14	1/2	21
AI-13480-15-08	15	1/2	21
AI-13480-16-08	16	1/2	22
AI-13480-16-12	16	3/4	27
AI-13480-18-08	18	1/2	24
AI-13480-18-12	18	3/4	27
AI-13480-22-08	22	1/2	30
AI-13480-22-12	22	3/4	30

Straight connector BSP female



13500

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13500-04-02	4	1/8	14
AI-13500-04-04	4	1/4	17
AI-13500-06-02	6	1/8	14
AI-13500-06-04	6	1/4	17
AI-13500-08-02	8	1/8	14
AI-13500-08-04	8	1/4	17
AI-13500-08-06	8	3/8	20
AI-13500-10-04	10	1/4	17
AI-13500-10-06	10	3/8	20
AI-13500-10-08	10	1/2	24
AI-13500-12-04	12	1/4	18
AI-13500-12-06	12	3/8	20
AI-13500-12-08	12	1/2	24
AI-13500-14-06	14	3/8	20
AI-13500-14-08	14	1/2	24
AI-13500-15-08	15	1/2	24
AI-13500-16-08	16	1/2	24
AI-13500-16-12	16	3/4	30
AI-13500-18-08	18	1/2	24
AI-13500-18-12	18	3/4	30
AI-13500-22-12	22	3/4	30

Straight connector BSP male



13485

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13485-04-02	4	1/8	13
AI-13485-06-02	6	1/8	13
AI-13485-06-04	6	1/4	17
AI-13485-08-02	8	1/8	13
AI-13485-08-04	8	1/4	17
AI-13485-08-06	8	3/8	22
AI-13485-10-04	10	1/4	17
AI-13485-10-06	10	3/8	22
AI-13485-14-06	14	3/8	22
AI-13485-14-08	14	1/2	27
AI-13485-22-12	22	3/4	32
AI-13485-22-16	22	1	40

Straight pipe connector BSP male



13530

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13530-06-02	6	1/8"	13
AI-13530-06-04	6	1/4"	17
AI-13530-08-02	8	1/8"	13
AI-13530-08-04	8	1/4"	17
AI-13530-08-06	8	3/8"	22
AI-13530-10-04	10	1/4"	17
AI-13530-10-06	10	3/8"	22
AI-13530-14-06	14	3/8"	22
AI-13530-14-08	14	1/2"	27

INDUSTRIAL FITTINGS - fittings, connectors

Brass connectors - AI 13000 type

Tee connector (T type) BSPT male



13220

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13220-04-02	4	1/8	8
AI-13220-06-02	6	1/8	9
AI-13220-06-04	6	1/4	9
AI-13220-08-02	8	1/8	12
AI-13220-08-04	8	1/4	12
AI-13220-08-06	8	3/8	13
AI-13220-10-04	10	1/4	13
AI-13220-10-06	10	3/8	13
AI-13220-10-08	10	1/2	14
AI-13220-12-04	12	1/4	14
AI-13220-12-06	12	3/8	14
AI-13220-12-08	12	1/2	14
AI-13220-14-06	14	3/8	16
AI-13220-14-08	14	1/2	18
AI-13220-15-08	15	1/2	18
AI-13220-16-08	16	1/2	17
AI-13220-18-08	18	1/2	20
AI-13220-18-12	18	3/4	20
AI-13220-22-12	22	3/4	27

Tee connector (T type) BSP female



13240

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13240-04-02	4	1/8	8
AI-13240-06-02	6	1/8	9
AI-13240-06-04	6	1/4	13
AI-13240-08-02	8	1/8	12
AI-13240-08-04	8	1/4	13
AI-13240-10-04	10	1/4	13
AI-13240-10-06	10	3/8	14
AI-13240-10-08	10	1/2	15
AI-13240-12-04	12	1/4	14
AI-13240-12-06	12	3/8	14
AI-13240-12-08	12	1/2	15
AI-13240-14-08	14	1/2	18
AI-13240-15-08	15	1/2	18
AI-13240-16-08	16	1/2	17
AI-13240-18-08	18	1/2	20
AI-13240-18-12	18	3/4	20

Tee connector (L type) BSPT male



13230

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13230-04-02	4	1/8	8
AI-13230-06-02	6	1/8	9
AI-13230-06-04	6	1/4	9
AI-13230-08-02	8	1/8	12
AI-13230-08-04	8	1/4	12
AI-13230-08-06	8	3/8	13
AI-13230-10-04	10	1/4	13
AI-13230-10-06	10	3/8	13
AI-13230-12-06	12	3/8	14
AI-13230-12-08	12	1/2	15
AI-13230-14-08	14	1/2	18

BANJO connector BSP male



13550

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13550-04-02	4	1/8	14
AI-13550-06-02	6	1/8	14
AI-13550-06-04	6	1/4	17
AI-13550-08-02	8	1/8	14
AI-13550-08-04	8	1/4	17
AI-13550-08-06	8	3/8	19
AI-13550-10-04	10	1/4	17
AI-13550-10-06	10	3/8	19
AI-13550-14-04	14	1/4	17
AI-13550-14-06	14	3/8	22
AI-13550-14-08	14	1/2	24
AI-13550-22-12	22	3/4	32

INDUSTRIAL FITTINGS - fittings, connectors

Brass connectors - AI 13000 type

90° elbow connector BSPT male



13280

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13280-04-02	4	1/8	8
AI-13280-06-02	6	1/8	9
AI-13280-06-04	6	1/4	9
AI-13280-08-02	8	1/8	11
AI-13280-08-04	8	1/4	11
AI-13280-08-06	8	3/8	13
AI-13280-10-04	10	1/4	13
AI-13280-10-06	10	3/8	13
AI-13280-10-08	10	1/2	14
AI-13280-12-04	12	1/4	14
AI-13280-12-06	12	3/8	14
AI-13280-12-08	12	1/2	14
AI-13280-14-06	14	3/8	17
AI-13280-14-08	14	1/2	17
AI-13280-15-08	15	1/2	17
AI-13280-16-08	16	1/2	17
AI-13280-18-08	18	1/2	20
AI-13280-18-12	18	3/4	20
AI-13280-22-12	22	3/4	27

90° elbow connector BSP female



13290

code	pipe O.D. [mm]	thread size [inch]	spanner size [mm]
AI-13290-04-02	4	1/8	8
AI-13290-06-02	6	1/8	9
AI-13290-06-04	6	1/4	11
AI-13290-08-02	8	1/8	11
AI-13290-08-04	8	1/4	13
AI-13290-08-06	8	3/8	14
AI-13290-10-04	10	1/4	13
AI-13290-10-06	10	3/8	14
AI-13290-10-08	10	1/2	15
AI-13290-12-04	12	1/4	14
AI-13290-12-06	12	3/8	14
AI-13290-12-08	12	1/2	15
AI-13290-14-08	14	1/2	18
AI-13290-15-08	15	1/2	18
AI-13290-16-08	16	1/2	18
AI-13290-18-08	18	1/2	20
AI-13290-18-12	18	3/4	20

Straight pipe connector with hose tail



13540

code	pipe O.D. [mm]	hose I.D. [mm]
AI-13540-06-07	6	7
AI-13540-08-07	8	7
AI-13540-08-10	8	10
AI-13540-10-07	10	7
AI-13540-10-10	10	10
AI-13540-12-10	12	10
AI-13540-12-13	12	13
AI-13540-14-13	14	13

Nut




13680


code	pipe O.D. [mm]	thread size [mm]	spanner size [mm]
AI-13680-04	4	M8x1	10
AI-13680-06	6	M10x1	13
AI-13680-08	8	M12x1	14
AI-13680-10	10	M16x1.5	19
AI-13680-12	12	M18x1.5	22
AI-13680-14	14	M20x1.5	24
AI-13680-15	15	M20x1.5	24
AI-13680-16	16	M22x1.5	27
AI-13680-18	18	M24x1.5	30
AI-13680-22	22	M30x1.5	36


INDUSTRIAL FITTINGS - fittings, connectors

Brass connectors - AI 13000 type

Ring		
		
13740		
code	pipe O.D. [mm]	height [mm]
AI-13740-04	4	6
AI-13740-06	6	6.5
AI-13740-08	8	7
AI-13740-10	10	8
AI-13740-12	12	8.5
AI-13740-14	14	8.5
AI-13740-15	15	8.5
AI-13740-16	16	9
AI-13740-18	18	9.5
AI-13740-22	22	10

Blank cap		
		
13780		
code	pipe O.D. [mm]	length [mm]
AI-13780-04	4	10
AI-13780-06	6	10.5
AI-13780-08	8	10.5
AI-13780-10	10	11.5
AI-13780-12	12	12
AI-13780-14	14	14
AI-13780-15	15	14
AI-13780-16	16	14
AI-13780-18	18	16
AI-13780-22	22	15

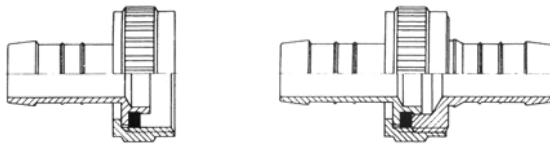
Reinforcing ferrule			
			
13770			
code	pipe O.D. x I.D. [mm]	O.D. [mm]	I.D. [mm]
AI-10770-04X2,7	4 x 2.7	2.7	1.5
AI-10770-06X04	6 x 4	4	3
AI-10770-08X06	8 x 6	6	5
AI-10770-10X08	10 x 8	8	7
AI-10770-12X09	12 x 9	9	8
AI-10770-12X10	12 x 10	10	9
AI-10770-14X12	14 x 12	12	11
AI-10770-15X12,5	15 x 12.5	12.5	11.5
AI-10770-16X13	16 x 13	13	12
AI-10770-18X15	18 x 15	15	14
AI-10770-18X16	18 x 16	16	15
AI-10770-22X18	22 x 18	18	16.5


Reduction		
		
13600		
code	pipe O.D. [mm]	pipe O.D. [mm]
AI-13600-04-06	4	6
AI-13600-06-08	6	8
AI-13600-08-10	8	10
AI-13600-10-12	10	12
AI-13600-12-14	12	14


INDUSTRIAL FITTINGS - fittings, connectors


NiTO fittings and hose connectors


Material: Brass
Working press.: 25 bar
Working temp.: Up to +80°C

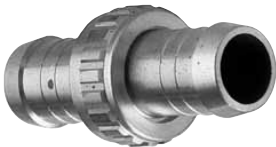



Fitting BSP male with hose tail		
		
code	thread size [inch]	hose I.D. [inch]
NT-27110A4	1/2	1/2
NT-27210A4	3/4	3/4
NT-27240A4	3/4	1
NT-27790A4	3/4	1/2
NT-27410A4	1	1
NT-27710A4	1.1/4	1.1/4
NT-27810A4	1.1/2	1.1/2
NT-27910A4	2	2

Fitting BSP female with hose tail		
		
code	thread size [inch]	hose I.D. [inch]
NT-27150A4	1/2"	1/2
NT-2715AA4	M22x1	3/4
NT-2715BA4	1/2"	1/4
NT-2721MA4	1/2"	5/8
NT-2722MA4	3/4"	5/8
NT-27250A4	3/4"	3/4
NT-27350A4	3/4"	1/2

Fitting BSP female with hose tail		
		
code	thread size [inch]	hose I.D. [inch]
NT-27450A4	1	1
NT-27550A4	1	1/2
NT-27650A4	1	3/4
NT-27750A4	1.1/4	1.1/4
NT-27850A4	1.1/2	1.1/2
NT-27950A4	2	2

General purpose fitting BSP female with hose tail		
		
code	thread size [inch]	hose I.D. [mm]
NT-27L42A4	1/2	15 ÷ 6.3

Screw-to-connect hose connector		
		
code	thread size [inch]	hose I.D. [inch]
NT-27160A4	1/2	1/2
NT-27260A4	3/4	3/4
NT-27360A4	1/2	3/4

Seal		
		
code	thread size [inch]	dimensions [mm]
NT-1-290A8	1/2	18x12.4x2
NT-1-300A8	3/4	23x16.7x2
NT-1-320A8	1	29x23x2.5
NT-1-900A8	1.1/4	38x29x2
NT-1-910A8	1.1/2	44x34x2
NT-1-920A8	2	55x45x2

INDUSTRIAL FITTINGS - fittings, connectors

NiTO fittings and hose connectors

Fitting BSP male with hose tail



code	thread size [inch]	hose I.D.
NT-2760AA4	1/8	1/8" (3.5 mm)
NT-2764AA4	1/8	1/4" (6.5 mm)
NT-2766AA4	1/8	3/8" (10.2 mm)
NT-2760BA4	1/4	1/4" (6.5 mm)
NT-2768BA4	1/4	5/16" (8.5 mm)
NT-2764BA4	1/4	3/8" (10.2 mm)
NT-2766BA4	1/4	1/2" (13.5 mm)
NT-2764CA4	3/8	1/4" (6.5 mm)
NT-2760CA4	3/8	3/8" (10.2 mm)
NT-2766CA4	3/8	1/2" (13.5 mm)
NT-2764DA4	1/2	1/4" (6.5 mm)
NT-2768DA4	1/2	5/16" (8.5 mm)
NT-2766DA4	1/2	3/8" (10.2 mm)
NT-2760DA4	1/2	1/2" (13.5 mm)
NT-2764NA4	1/2	5/8" (16.5 mm)
NT-2766NA4	1/2	3/4" (19.5 mm)
NT-2766EA4	3/4	1/2" (13.5 mm)
NT-2760EA4	3/4	3/4" (19.5 mm)
NT-2760FA4	1	1" (26 mm)
NT-2760GA4	1.1/4	1.1/4" (32 mm)
NT-2760HA4	1.1/2	1.1/2" (39 mm)
NT-2760IA4	2	2" (51 mm)

Fitting BSPT male with hose tail



code	thread size [inch]	hose I.D.
NT-2660AA4	1/8	1/8" (3.5 mm)
NT-2664AA4	1/8	1/4" (6.5 mm)
NT-2666AA4	1/8	3/8" (10.2 mm)
NT-2660BA4	1/4	1/4" (6.5 mm)
NT-2668BA4	1/4	5/16" (8.5 mm)
NT-2664BA4	1/4	3/8" (10.2 mm)
NT-2666BA4	1/4	1/2" (13.5 mm)
NT-2664CA4	3/8	1/4" (6.5 mm)
NT-2660CA4	3/8	3/8" (10.2 mm)
NT-2666CA4	3/8	1/2" (13.5 mm)
NT-2664EA4	3/8	3/4" (19.5 mm)
NT-2664DA4	1/2	1/4" (6.5 mm)
NT-2668DA4	1/2	5/16" (8.5 mm)
NT-2666DA4	1/2	3/8" (10.2 mm)
NT-2660DA4	1/2	1/2" (13.5 mm)
NT-2664NA4	1/2	5/8" (16.5 mm)
NT-2666NA4	1/2	3/4" (19.5 mm)
NT-2666EA4	3/4	1/2" (13.5 mm)
NT-2660EA4	3/4	3/4" (19.5 mm)
NT-2660FA4	1	1" (26 mm)

Hose connector



code	hose I.D. [inch]
NT-15020A4	1/2
NT-15030A4	3/4
NT-15040A4	1


Clamp with 3/4" male thread for valve without thread





code	thread size [inch]	clamping range [mm]
NT-57078A5	3/4	14 ÷ 20
NT-57079A5	3/4	22 ÷ 30

INDUSTRIAL FITTINGS - fittings, connectors

CN type fittings

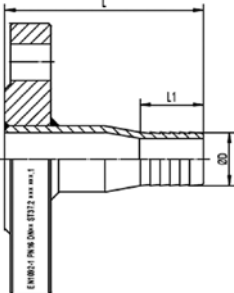
picture	code (galvanized steel)	code (AISI 304)	hose I.D. [mm]	hose I.D. [inch]
	AC-CND-025	AC-CND-025-SS	6	1/4
	AC-CND-038	AC-CND-038-SS	10	3/8
	AC-CND-050	AC-CND-050-SS	13	1/2
	AC-CND-058	AC-CND-058-SS	16	5/8
	AC-CND-075	AC-CND-075-SS	19	3/4
	AC-CND-100	AC-CND-100-SS	25	1
	AC-CND-125	AC-CND-125-SS	32	1.1/4
	AC-CND-138	AC-CND-138-SS	35	1.3/8
	AC-CND-150	AC-CND-150-SS	40	1.1/2
	AC-CND-200	AC-CND-200-SS	50	2
	AC-CND-250	AC-CND-250-SS	65	2.1/2
	AC-CND-300	AC-CND-300-SS	75	3
	AC-CND-400	AC-CND-400-SS	100	4
	AC-CND-500	AC-CND-500-SS	125	5
	AC-CND-600	AC-CND-600-SS	150	6
AC-CND-800	AC-CND-800-SS	200	8	
AC-CND-1000	AC-CND-1000-SS	250	10	

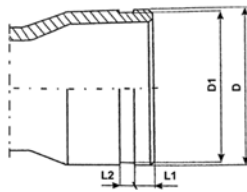
picture	code (galvanized steel)	code (AISI 304)	code (AISI 316)	hose I.D. [mm]	thread size [inch]
	AC-CNP-050	AC-CNP-050-SS	AC-CNP-050-SS316	13	1/2
	AC-CNP-075	AC-CNP-075-SS	AC-CNP-075-SS316	19	3/4
	AC-CNP-100	AC-CNP-100-SS	AC-CNP-100-SS316	25	1
	AC-CNP-125	AC-CNP-125-SS	AC-CNP-125-SS316	32	1.1/4
	AC-CNP-150	AC-CNP-150-SS	AC-CNP-150-SS316	40	1.1/2
	AC-CNP-200	AC-CNP-200-SS	AC-CNP-200-SS316	50	2
	AC-CNP-250	AC-CNP-250-SS	AC-CNP-250-SS316	65	2.1/2
	AC-CNP-300	AC-CNP-300-SS	AC-CNP-300-SS316	75	3
	AC-CNP-400	AC-CNP-400-SS	AC-CNP-400-SS316	100	4
	AC-CNP-500	AC-CNP-500-SS	AC-CNP-500-SS316	125	5
	AC-CNP-600	AC-CNP-600-SS	AC-CNP-600-SS316	150	6
	AC-CNP-800	AC-CNP-800-SS	AC-CNP-800-SS316	200	8


picture	code (carbon steel)	code (AISI 304)	hose I.D. [mm]	hose I.D. [inch]
	AC-CNW-050	AC-CNW-050-SS	13	1/2
	AC-CNW-075	AC-CNW-075-SS	19	3/4
	AC-CNW-100	AC-CNW-100-SS	25	1
	AC-CNW-125	AC-CNW-125-SS	32	1.1/4
	AC-CNW-150	AC-CNW-150-SS	40	1.1/2
	AC-CNW-200	AC-CNW-200-SS	50	2
	AC-CNW-250	AC-CNW-250-SS	65	2.1/2
	AC-CNW-300	AC-CNW-300-SS	75	3
	AC-CNW-400	AC-CNW-400-SS	100	4
	AC-CNW-500	AC-CNW-500-SS	125	5
	AC-CNW-600	AC-CNW-600-SS	150	6
AC-CNW-800	AC-CNW-800-SS	200	8	

INDUSTRIAL FITTINGS - fittings, connectors

CN type fittings


picture	code (carbon steel)	code (AISI 304)	DN [mm]	D [mm]	L [mm]	L1 [mm]
<p>Flange fitting PN16, CNWF type</p> 	AC-CNWF-015	AC-CNWF-015SS	15	13.5	74.5	30
	AC-CNWF-020	AC-CNWF-020SS	20	20	76	33
	AC-CNWF-025	AC-CNWF-025SS	25	26	86	36
	AC-CNWF-032	AC-CNWF-032SS	32	32	91	36
	AC-CNWF-040	AC-CNWF-040SS	40	39	99	42.5
	AC-CNWF-050	AC-CNWF-050SS	50	51.5	118	51.5
	AC-CNWF-065	AC-CNWF-065SS	65	64	143	62
	AC-CNWF-080	AC-CNWF-080SS	80	77	150	68
	AC-CNWF-100	AC-CNWF-100SS	100	102.5	182.5	94.5


picture	code (carbon steel)	hose I.D. [mm]	hose I.D. [inch]	D [mm]	D1 [mm]	L1 [mm]	L2 [mm]
<p>CNG type fitting with groove</p> 	AC-CNG-075	19	3/4	26.9	24	16	7.95
	AC-CNG-100	25	1	33.7	31	16	7.95
	AC-CNG-125	32	1.1/4	42.4	40	16	7.95
	AC-CNG-150	40	1.1/2	48.3	45	16	7.95
	AC-CNG-200	50	2	60.3	57	16	7.95
	AC-CNG-250	65	2.1/2	73	69	16	7.95
	AC-CNG-300	75	3	88.9	85	16	7.95
	AC-CNG-400	100	4	114.3	110	16	9.53
	AC-CNG-500	125	5	141.3	137	16	9.53
	AC-CNG-600	150	6	168.3	164	16	9.53
	AC-CNG-800	200	8	219.1	215	19	11.13


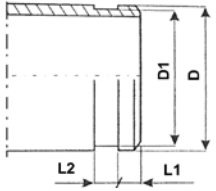
picture	code (AISI 304)	code (AISI 316)	thread size [inch]	length [mm]
<p>CNS type fitting, butt weld, with BSPT male thread</p> 	AC-CNS-025-051-SS	AC-CNS-025-051-SS316	1/4	51
	AC-CNS-038-038-SS	AC-CNS-038-038-SS316	3/8	38
	AC-CNS-038-051-SS	AC-CNS-038-051-SS316	3/8	51
	AC-CNS-050-051-SS	AC-CNS-050-051-SS316	1/2	51
	AC-CNS-075-051-SS	AC-CNS-075-051-SS316	3/4	51
	AC-CNS-075-076-SS	AC-CNS-075-076-SS316	3/4	76
	AC-CNS-100-051-SS	AC-CNS-100-051-SS316	1	51
	AC-CNS-100-076-SS	AC-CNS-100-076-SS316	1	76
	AC-CNS-150-051-SS	AC-CNS-150-051-SS316	1.1/2	51
	AC-CNS-150-064-SS	AC-CNS-150-064-SS316	1.1/2	64
	AC-CNS-150-076-SS	AC-CNS-150-076-SS316	1.1/2	76
	AC-CNS-200-051-SS	AC-CNS-200-051-SS316	2	51
	AC-CNS-200-064-SS	AC-CNS-200-064-SS316	2	64
	AC-CNS-200-076-SS	AC-CNS-200-076-SS316	2	76
	AC-CNS-200-102-SS	AC-CNS-200-102-SS316	2	102
	AC-CNS-200-152-SS	AC-CNS-200-152-SS316	2	152
	AC-CNS-300-076-SS	AC-CNS-300-076-SS316	3	76
	AC-CNS-300-102-SS	AC-CNS-300-102-SS316	3	102
AC-CNS-400-102-SS	AC-CNS-400-102-SS316	4	102	

INDUSTRIAL FITTINGS - fittings, connectors

CN type fittings


picture	code (galvanized steel)	code (AISI 304)	code (AISI 316)	hose I.D. [mm]	thread size [inch]
<p>CNPH type fitting (HEAVY DUTY) with BSPT male thread</p> 	AC-CNPH-150	AC-CNPH-150-SS	AC-CNPH-150-SS316	40	1.1/2
	AC-CNPH-200	AC-CNPH-200-SS	AC-CNPH-200-SS316	50	2
	AC-CNPH-250	AC-CNPH-250-SS	AC-CNPH-250-SS316	65	2.1/2
	AC-CNPH-300	AC-CNPH-300-SS	AC-CNPH-300-SS316	75	3
	AC-CNPH-400	AC-CNPH-400-SS	AC-CNPH-400-SS316	100	4
	AC-CNPH-500	AC-CNPH-500-SS	AC-CNPH-500-SS316	125	5
	AC-CNPH-600	AC-CNPH-600-SS	AC-CNPH-600-SS316	150	6
	AC-CNPH-800	-	-	200	8


picture	code (carbon steel)	code (AISI 304)	hose I.D. [mm]	hose I.D. [inch]
<p>CNWH (HEAVY DUTY) type fitting, butt weld</p> 	AC-CNWH-200	AC-CNWH-200-SS	50	2
	AC-CNWH-250	AC-CNWH-250-SS	65	2.1/2
	AC-CNWH-300	AC-CNWH-300-SS	75	3
	AC-CNWH-400	AC-CNWH-400-SS	100	4
	AC-CNWH-500	AC-CNWH-500-SS	125	5
	AC-CNWH-600	AC-CNWH-600-SS	150	6
	AC-CNWH-800	AC-CNWH-800-SS	200	8

picture	code (carbon steel)	hose I.D. [mm]	hose I.D. [inch]	D [mm]	D1 [mm]	L1 [mm]	L2 [mm]
<p>CNGH type fitting (HEAVY DUTY) with groove</p>  	AC-CNGH-200	50	2	60.3	57	16	7.95
	AC-CNGH-250	65	2.1/2	73	69	16	7.95
	AC-CNGH-300	75	3	88.9	85	16	7.95
	AC-CNGH-400	100	4	114.3	110	16	9.53
	AC-CNGH-500	125	5	141.3	137	16	9.53
	AC-CNGH-600	150	6	168.3	164	16	9.53
	AC-CNGH-800	200	8	219.1	215	19	11.13

INDUSTRIAL FITTINGS - fittings, connectors


CN type fittings


picture	code (galvanized steel)	hose I.D. [inch]	hose I.D. [mm]	range of hose I.D. [mm]	ferrule I.D. [mm]	ferrule length [mm]
<p>CNFH (HEAVY DUTY) type crimp ferrule for hoses</p> 	AC-CNFH-200A	2	51	63.5 ÷ 67	69.9	88.9
	AC-CNFH-200B	2	51	67 ÷ 73	76.2	88.9
	AC-CNFH-200C	2	51	73 ÷ 79	82.5	88.9
	AC-CNFH-250A	2.1/2	63	76 ÷ 79	82.5	108
	AC-CNFH-250B	2.1/2	63	79 ÷ 92	95.2	108
	AC-CNFH-300A	3	76	89 ÷ 92	95.2	127
	AC-CNFH-300B	3	76	92 ÷ 98	101.6	127
	AC-CNFH-300C	3	76	98 ÷ 102	104.8	127
	AC-CNFH-300D	3	76	102 ÷ 105	108	127
	AC-CNFH-300E	3	76	105 ÷ 108	114.3	127
	AC-CNFH-400A	4	102	114 ÷ 121	123.8	139.7
	AC-CNFH-400B	4	102	121 ÷ 125	128.6	139.7
	AC-CNFH-400C	4	102	125 ÷ 128	131.8	139.7
	AC-CNFH-400D	4	102	128 ÷ 132	134.9	139.7
	AC-CNFH-400E	4	102	133 ÷ 136	139.7	139.7
	AC-CNFH-400F	4	102	133 ÷ 140	142.9	139.7
	AC-CNFH-500A	5	127	146 ÷ 152	155.6	174.6
	AC-CNFH-500B	5	127	152 ÷ 162	165.1	178.3
	AC-CNFH-600A	6	152	171 ÷ 181	184.1	190.5
	AC-CNFH-600B	6	152	181 ÷ 187	190.5	190.5
AC-CNFH-600C	6	152	187 ÷ 192	195.3	190.5	
AC-CNFH-600D	6	152	194 ÷ 203	206.4	190.5	
AC-CNFH-800A	8	204	229 ÷ 238	241.3	215.9	
AC-CNFH-800B	8	204	240 ÷ 257	260.3	215.9	


picture	code (galvanized steel)	hose I.D. [inch]	hose I.D. [mm]	range of hose I.D. [mm]	ferrule I.D. [mm]	ferrule length [mm]
<p>CNFL type crimp ferrule for hoses</p> 	AC-CNFL-150-1	1.1/2	38	49 ÷ 51	53.8	74
	AC-CNFL-150-2	1.1/2	38	51 ÷ 54	56.9	74
	AC-CNFL-150-3	1.1/2	38	54 ÷ 57	60	74
	AC-CNFL-200-1	2	51	65 ÷ 67	70	90
	AC-CNFL-200-2	2	51	67 ÷ 70	73	90
	AC-CNFL-200-3	2	51	70 ÷ 73	76.2	90
	AC-CNFL-250-1	2.1/2	63	78 ÷ 82.5	82.3	89
	AC-CNFL-250-2	2.1/2	63	80 ÷ 82.5	85.1	89
	AC-CNFL-300-1	3	76	90.5 ÷ 92	94.5	117
	AC-CNFL-300-2	3	76	92.5 ÷ 95	98	117
	AC-CNFL-300-3	3	76	95.5 ÷ 98.5	100	117
	AC-CNFL-400-1	4	102	117.5 ÷ 119	124	135
	AC-CNFL-400-2	4	102	119.5 ÷ 122	128	135
	AC-CNFL-400-3	4	102	122.5 ÷ 125.5	130	135


INDUSTRIAL FITTINGS - fittings, connectors

Suction strainers

picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-RH20A	1.1/2	121	87	Cylindrical strainer with round holes, with BSPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-RH25A	2	150	98	
	PM-RH30A	2.1/2	150	98	
	PM-RH35A	3	165	130	
	PM-RH40A	4	165	130	
	PM-RH60A	6	225	230	
	PM-RH80A	8	280	290	


picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-RH20B	1.1/2	121	87	Cylindrical strainer with round holes, with NPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-RH25B	2	150	98	
	PM-RH30B	2.1/2	150	98	
	PM-RH35B	3	165	130	
	PM-RH40B	4	165	130	
	PM-RH60B	6	225	230	
	PM-RH80B	8	280	290	

picture	code	hose I.D. [mm]	O.D. [mm]	height [mm]	description
	PM-RD20T	40	121	165	Cylindrical strainer with round holes, with hose tail. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-RD25T	50	150	165	
	PM-RD35T	75	165	221	
	PM-RD40T	100	165	221	


picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-RS20A	1.1/2	56	165	Long cylindrical strainer with round holes, with BSPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-RS25A	2	66	165	
	PM-RS30A	2.1/2	80	245	
	PM-RS35A	3	97	245	
	PM-RS40A	4	124	245	
	PM-RS60A	6	180	315	
	PM-RS80A	8	233	370	


INDUSTRIAL FITTINGS - fittings, connectors

Suction strainers

picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-RS20B	1.1/2	56	165	Long cylindrical strainer with round holes, with NPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-RS25B	2	66	165	
	PM-RS30B	2.1/2	80	245	
	PM-RS35B	3	97	245	
	PM-RS40B	4	124	245	
	PM-RS60B	6	180	315	
	PM-RS80B	8	233	370	

picture	code	thread size [inch]	base diameter [mm]	height [mm]	description
	PM-SK20BHA	1.1/2	240	64	Conical suction strainer with holes in the bottom, with BSPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SK25BHA	2	240	64	
	PM-SK35BHA	3	305	100	


picture	code	thread size [inch]	base diameter [mm]	height [mm]	description
	PM-SK20BHB	1.1/2	240	64	Conical suction strainer with holes in the bottom, with NPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SK25BHB	2	240	64	
	PM-SK35BHB	3	305	100	


picture	code	thread size [inch]	base diameter [mm]	height [mm]	description
	PM-SK20THA	1.1/2	240	64	Conical suction strainer with holes in the bottom, with BSPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SK25THA	2	240	64	
	PM-SK35THA	3	305	100	

INDUSTRIAL FITTINGS - fittings, connectors

Suction strainers


picture	code	thread size [inch]	base diameter [mm]	height [mm]	description
	PM-SK20THB	1.1/2	240	64	Conical suction strainer with holes in the top, with NPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SK25THB	2	240	64	
	PM-SK35THB	3	305	100	

picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-SH20A	1.1/2	121	87	Cylindrical suction strainer with square holes, with BSPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SH25A	2	150	98	
	PM-SH30A	2.1/2	150	98	
	PM-SH35A	3	165	130	
	PM-SH40A	4	165	130	
	PM-SH60A	6	225	230	
	PM-SH80A	8	280	290	


picture	code	thread size [inch]	O.D. [mm]	height [mm]	description
	PM-SH20B	1.1/2	121	87	Cylindrical suction strainer with square holes, with NPT thread. Material: zinc-plated steel. (AISI 304 and AISI 316 steel available on request).
	PM-SH25B	2	150	98	
	PM-SH30B	2.1/2	150	98	
	PM-SH35B	3	165	130	
	PM-SH40B	4	165	130	
	PM-SH60B	6	225	230	
	PM-SH80B	8	280	290	

INDUSTRIAL FITTINGS - fittings, connectors

Fittings - AK type

picture	code	thread size [BSP]	flange size [mm]	hose I.D. [inch]	flow diameter [mm]	description
	AK-RVST13-C17-SP	1/2	17	1/2	10	Fitting with BSP male thread with 200 mm hose protection spring. Material: stainless steel. Working press.: up to 40 bar.
	AK-RVST13-C20-SP	1/2	20	1/2	10	
	AK-RVST16-C21-SP	1/2	21	5/8	13	
	AK-RVST19-C24-SP	1/2	24	3/4	14	

picture	code	thread size [BSPT]	flange size [mm]	hose I.D. [inch]	flow diameter [mm]	description
	AK-SWIFB13-C17	1/2	17	1/2	10	Swivel fitting with NPT male thread. Material: stainless steel. Working press.: up to 40 bar. * - with 200 mm hose protection spring.
	AK-SWIFB13-C20	1/2	20	1/2	10	
	AK-SWIFB13-C20-SP*	1/2	20	1/2	10	
	AK-SWIFB16-C21	1/2	21	5/8	13	
	AK-SWIFB16-C21SP*	1/2	21	5/8	13	
	AK-SWIFB19-C24	1/2	24	3/4	14	
	AK-SWIFB19-C24SP*	1/2	24	3/4	14	

picture	code	female thread size	male thread size	flow diameter [mm]	material	description
	AK-SWM-09-08	1/2"	1/2"	9	brass	Swivel fitting with BSP female and BSP male thread. Working press.: up to 30 bar. Seal: - EPDM for brass - Viton for stainless steel
	AK-SWM-09-12	3/4"	1/2"	9		
	AK-SWM-12-12	3/4"	3/4"	12		
	AK-SWM-14-12-08	3/4"	1/2"	14		
	AK-SWM-18-16	1"	1"	18		
	AK-SWR-09-08	1/2"	1/2"	9	stainless steel	
	AK-SWR-09-12-08	3/4"	1/2"	9		
	AK-SWR-12-12	3/4"	3/4"	12		
	AK-SWR-14-12-08	3/4"	1/2"	14		
	AK-SWR-18-16	1"	1"	18		
	AK-SWC-09-08	1/2"	1/2"	9	brass chromium	
	AK-SWC-09-12-08	3/4"	1/2"	9		
AK-SWC-14-12-08	3/4"	1/2"	14			