15 and 16 series
Thread connectors

- ISO G, ISO R and NPT threads
- Port size: M5, 1/8" ... 1"
- Extensive range of shapes and sizes including manifolds
- High temperature and pressure aluminium sealing washers supplied with ISO G threads



Technical features

Medium:
Compressed air and fluid compatible with sealing materials

Thread forms:
Parallel BSP - ISO 228
Taper BSP - ISO 7
Metric - ISO 262
Taper NPTF - ASME B1.20.1

Operating pressure:
Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts and M5 units). In these cases pressure is limited to 18 bar (261 psi).
Flow regulating banjos are limited to 1 ... 10 bar (1 ... 145 psi) operating range. Suitable for vacuum applications.

Ambient/Media temperature:
Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts, & M5 units). In these cases temperature is limited to
-20 ... +70°C (-4 ... 158°F)

Materials:
Body of the fittings are made from Brass type; OT UNI EN 12164/5 CW 614/7N and undergo to a nickel-plating process.
Other materials will be specified with the fitting details.
All ISO G male threads supplied with flat aluminium washer unless stated otherwise.

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Straight adaptors, connectors and plugs

ISO G - Reducing connector
16023

Page 4

ISO G - Expanding connector
16023

Page 4

ISO G – ISO R Expanding connector
15023

Page 4

ISO G – ISO R Reducing connector
15023

Page 4

NPT - ISO R Adaptor
15423

Page 4

ISO G - NPT Adaptor
17223

Page 4

ISO G and Metric - Bulkhead connector
16029

Page 5

ISO G - Sleeve adaptor
16022

Page 5

ISO G and Metric - Nipple adaptor
16020

Page 5

ISO R - Nipple adaptor
15020

Page 5

ISO R - NPT - Nipple adaptor
15420

Page 5

ISO R - Flat union
15033

Page 6

ISO R - Conical union
1503D

Page 6

ISO R - Hose adaptor
29117

Page 6

ISO G - Hose adaptor
29217

Page 6

ISO G - Plug with flange - hex
16206

Page 7

ISO G - Plug with flange - spanner
16005

Page 7

ISO G - Plug
16213

Page 7

ISO R - Plug
1500

Page 7

ISO R - Plug
15113

Page 7

ISO R - Plug
Brass (unplated)
25013

Page 7

Elbow adaptors and T-connectors

ISO G - Elbow connector
16042

Page 8

ISO R - ISO G - Elbow connector
15043

Page 8

ISO R - Elbow connector
15040

Page 8

ISO G - Tee connector
16062

Page 9

ISO R - Tee connector
15060

Page 9

ISO R - ISO G Tee connector
15069

Page 9

ISO R - ISO G Tee connector
15072

Page 9

ISO G - Cross
16092

Page 9

ISO G - Cross block
16094

Page 9

ISO G - Manifold - singlesided - Brass
34050

Page 10

ISO G - Manifold - single sided - Aluminium
162B4 and 162B6

Page 10

ISO G - Manifold - double sided - Aluminium
162C4 and 162C6

Page 10

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Banjo flow controls and elbows

ISO G - Banjo elbow assembly - regulating out
16K51



Page 11

ISO G - Banjo elbow assembly - non-regulating
16A51



Page 11

ISO G - Banjo elbow body
16051



Page 11

ISO G - Regulating bolt
20K00, 20L00 and 20M00



Page 12

ISO G - Non-regulating bolt
20A00 and 20B00



Page 11

Elbow flow controls

ISO R - Elbow flow control, regulating out
10TA0



Page 12

ISO G - Elbow flow control, regulating out
10KA0



Page 12

Function fittings

ISO R - Pilot operated check valve
101GA



Page 13

ISO G - Pilot operated check valve
102GA



Page 13

ISO G - Pressure reduction valve
102GB



Page 13

ISO G - Pressure sensor valve
102GD



Page 13

Accessories - Stainless steel

Plug
ISO G
66005



Page 14

Sleeve adaptor
ISO G
66022



Page 14

Tee connector
ISO G
66062



Page 14

Seals

Copper sealing washer
480213



Page 15

Bonded sealing washer
480215



Page 15

Aluminium sealing washer



Page 15

Accessories

PTFE sealing tape
DB-R-12



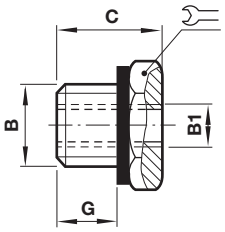
Page 15

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ISO G - Reducing connector 16023

Nickel plated brass, aluminium seals



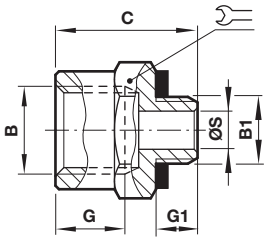


B	B1	C	G	⌯	Model
G1/8	M5	10,5	6	14	160231805
G1/4	G1/8	13	8	17	160232818
G3/8	G1/8	14	9	19	160233818
G3/8	G1/4	14	9	19	160233828
G1/2	G1/8	15,5	10	24	160234818
G1/2	G1/4	15,5	10	24	160234828
G1/2	G3/8	15,5	10	24	160234838
G3/4	G1/4	17,5	12	30	160236828
G3/4	G3/8	17,5	12	30	160236838
G3/4	G1/2	17,5	12	30	160236848

ISO G - Expanding connector 16023

Nickel plated brass, aluminium seals



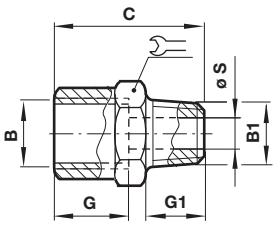


B	B1	C	G	G1	Ø S	⌯	Model
G1/8	M5	14,5	8,5	4	2,5	14	160230518
G1/4	G1/8	20,5	12	6	5,5	17	160231828
G3/8	G1/8	21,5	10,5	6	5,5	22	160231838
G3/8	G1/4	23,5	13	8	8	22	160232838
G1/2	G1/4	26,5	16	8	8	26	160232848
G1/2	G3/8	36,5	16	9	11	26	160233848
G3/4	G1/2	31	16,5	10	15	32	160234868

ISO G - ISO R - Expanding connector 15023

Nickel plated brass





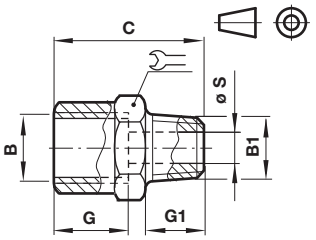
B	B1	C	G	G1	Ø S	⌯	Model
G1/4	R1/8	22	12,5	7,5	5,5	17	150231828
G3/8	R1/8	22,5	7,5	10,5	5	22	150231838
G3/8	R1/4	27	13	11	8	22	150232838
G1/2	R1/4	30	16	11	8	26	150232848
G1/2	R3/8	30,5	16	11	11	26	150233848
G3/4	R3/8	38,5	12,5	16,5	11	32	150233868
G3/4	R1/2	35	16,5	14	15	32	150234868
G1	R3/4	45	19	19	18	41	150236888

ISO G - ISO R - Reducing connector 15023

Dimensions in mm
Projection/First angle

Nickel plated brass



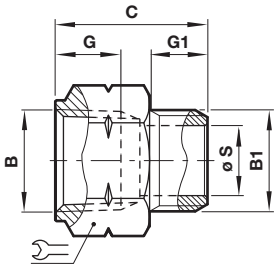


B	B1	C	G	G1	Ø S	⌯	Model
G1/8	R1/8	20	10	7,5	5,5	14	150231818
G1/8	R1/4	16	12	11	6	14	150232818
G1/4	R1/4	26	12	11	8	17	150232828
G1/8	R3/8	16,5	12	11,5	6	17	150233818
G1/4	R3/8	16,5	11,5	13	8,5	17	150233828
G3/8	R3/8	27,5	13	11,5	11	22	150233838
G1/8	R1/2	19,5	12	7,5	5,5	22	150234818
G1/4	R1/2	19,5	13	14	9,5	22	150234828
G3/8	R1/2	19,5	13	14	14	22	150234838
G1/2	R1/2	33	16	14	15	26	150234848
G1/4	R3/4	23,5	16,5	11,5	8	27	150236828
G3/8	R3/4	23,5	11,5	16,5	20	27	150236838
G1/2	R3/4	23,5	17	16,5	16	27	150236848
G1/2	R1	26,5	19	13	15	34	150238848
G3/4	R1	27,5	19	16,5	24,5	34	150238868

NPT Female - ISO R - Adaptor 15423

Nickel plated brass



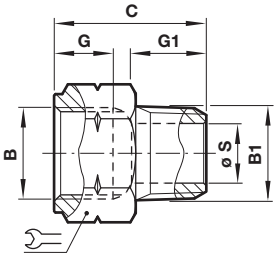


B	B1	C	G	G1	Ø S	⌯	Model
1/8 NPT	R1/8	17	9,5	6	5,5	14	154231818
1/4 NPT	R1/4	23	13,5	8	8	17	154232828
3/8 NPT	R3/8	24	13,5	9	11	22	154233838
1/2 NPT	R1/2	31,5	17,5	12	14,5	27	154234848

ISO G Female - NPT - Adaptor 17223

Nickel plated brass





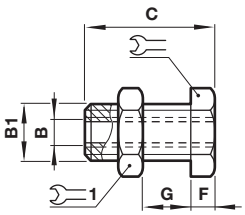
B	B1	C	G	G1	Ø S	⌯	Model
G1/4	1/4 NPT	27	12	13	8	17	172232828
G3/8	3/8 NPT	28	13	13	11	22	172233838

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ISO G and Metric - Bulkhead connector 16029

Nickel plated brass



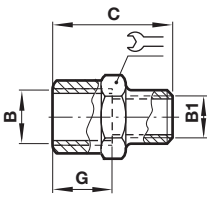


B	B1	C	F	G max.	⌯	⌯1	Model
M5	M10x1,0	14	3,5	7	14	14	160290005
G1/8	M16x1,5	18	4	10	19	22	160290018
G1/4	M20x1,5	25	4	16	24	27	160290028
G3/8	M26x1,5	26	5	15	30	32	160290038
G1/2	M28x1,5	33	6	21	32	36	160290048
G3/4	M33x1,5	36,5	6	22,5	41	41	160290068
G1	M42x1,5	41,5	8	24,5	46	50	160290088

ISO G and Metric - Sleeve adaptor 16022

Nickel plated brass



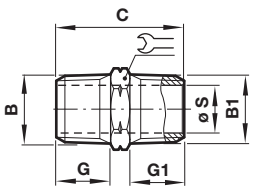


B	B1	C	G	⌯	Model
M5	M5	11	11	8	160220505
G1/8	M5	13	7,5	14	160221805
G1/8	G1/8	15	15	14	160221818
G1/4	G1/8	19	11	17	160222818
G1/4	G1/4	22	22	17	160222828
G3/8	G1/8	20	11,5	22	160223818
G3/8	G1/4	23	11,5	22	160223828
G3/8	G3/8	24	24	22	160223838
G1/2	G1/8	24	14	24	160224818
G1/2	G1/4	25	14	24	160224828
G1/2	G3/8	27,5	16	24	160224838
G1/2	G1/2	30	30	26	160224848
G3/4	G1/2	30	16,5	30	160226848
G3/4	G3/4	32	31	32	160226868
G1	G3/4	41	20	40	160228868

NPT - ISO R - Nipple adaptor 15420

Nickel plated brass





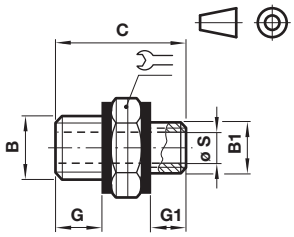
B	B1	C	G	G1	Ø S	⌯	Model
1/8 NPT	R1/8	21,5	8,5	8,5	5,5	12	154201818
1/4 NPT	R1/4	31	13	13	8	14	154202828
3/8 NPT	R3/8	31	13	13	11	19	154203838
1/2 NPT	R1/2	40	17	17	16,5	22	154204848

ISO G and Metric - Nipple adaptor 16020

Dimensions in mm
Projection/First angle

Nickel plated brass, aluminium seals



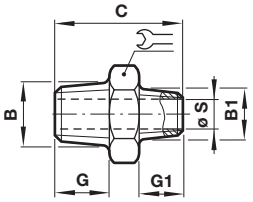


B	B1	C	G	G1	Ø S	Ø S1	⌯	Model
M5	M5	11,5	4	4	2,5	2,5	8	160200505
G1/8	M5	14,5	6	4	5,5	3,5	14	160201805
G1/8	G1/8	16,5	6	6	5,5	5,5	14	160201818
G1/4	G1/8	19	8	6	8	5,5	17	160202818
G1/4	G1/4	21	8	8	8	8	17	160202828
G3/8	G1/4	22	9	8	11	8	19	160203828
G3/8	G3/8	23	9	9	11	11	19	160203838
G1/2	G1/4	23,5	10	8	15	8	24	160204828
G1/2	G3/8	24,5	10	9	15	11	24	160204838
G1/2	G1/2	25,5	10	10	15	15	24	160204848
G3/4	G1/2	27,5	12	10	20	15	30	160206848
G3/4	G3/4	29,5	12	12		20	30	160206868
G1	G1	32	12	12		24	40	160208888

ISO R - Nipple adaptor 15020

Nickel plated brass





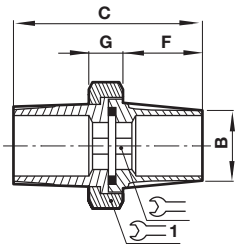
B	B1	C	G	G1	Ø S	Ø S1	⌯	Model
R1/8	R1/8	19,5	7,5	7,5	5,5	5,5	12	150201818
R1/4	R1/8	23,5	11	7,5	8	5,5	14	150202818
R1/4	R1/4	27	11	11	8	8	14	150202828
R3/8	R1/8	24	11,5	7,5	11	5,5	17	150203818
R3/8	R1/4	27,5	11,5	11	11	8	17	150203828
R3/8	R3/8	28	11,5	11,5	11	11	17	150203838
R1/2	R1/8	27	14	7,5	15	5,5	22	150204818
R1/2	R1/4	30,5	14	11	15	8	22	150204828
R1/2	R3/8	31	14	11,5	15	11	22	150204838
R1/2	R1/2	33,5	14	14	15	15	22	150204848
R3/4	R1/2	37,5	16,5	14	19	15	27	150206848
R3/4	R 3/4	40	16,5	16,5	19	19	27	150206868
R1	R3/4	44	19	16,5	24	19	34	150208868
R1	R1	46,5	19	19	24	24	34	150208888

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ISO R - Flat union
15033

Nickel plated brass, O-ring NBR
Temperature: -20 ... +80°C
Operating pressure: -1 ... +15 bar





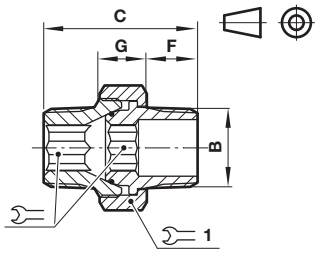
B	C	F	G	⌲	⌲1	Model
R1/8	33,5	10	8,5	5	15	150331818
R1/4	42	13	10,5	8	24	150332828
R3/8	43	13	11	10	27	150333838
R1/2	52	17,5	11,5	14	30	150334848
R3/4	56,5	19	12,5	17	38	150336868
R1	68	23	16	19	46	150338888

ISO R - Conical union
1503D

Dimensions in mm
Projection/First angle

Brass, O-ring NBR
Temperature: -20 ... +80°C
Operating pressure: -1 ... +15 bar



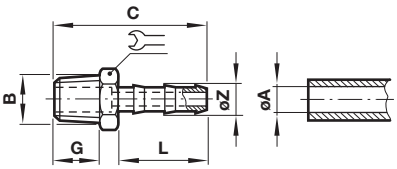


B	C	F	G	⌲	⌲1	Model
R1/8	27	9	8,5	5	15	1503D1818
R1/4	33,5	11,5	9,5	6	19	1503D2828
R3/8	36,5	13	10	8	22	1503D3838
R1/2	45	16	12	12	27	1503D4848
R3/4	54	18	17	14	36	1503D6868
R1	65	21,5	20	19	46	1503D8888

ISO R - Hose adaptor
29117

Nickel plated brass



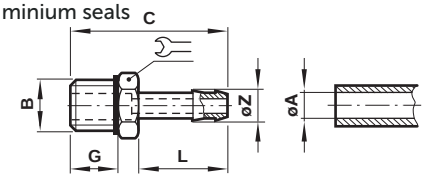


Ø A	B	C	G	L	⌲	Ø Z	Model
4	R1/8	32	7,5	19,5	12	6	291170418
4	R1/4	35,5	11	19,5	14	6	291170428
6	R1/8	32	7,5	19,5	12	8	291170618
6	R1/4	35,5	11	19,5	14	8	291170628
6	R3/8	36	11,5	19,5	17	8	291170638
7	R1/8	32	7,5	19,5	14	9	291170718
7	R1/4	35	11	19,5	17	9	291170728
7	R3/8	36	11,5	19,5	17	9	291170738
8	R1/8	32	7,5	19,5	12	10	291170818
8	R1/4	35,5	11	19,5	14	10	291170828
8	R3/8	36	11,5	19,5	17	10	291170838
8	R1/2	39	14	19,5	22	10	291170848
9	R1/8	32	7,5	19,5	12	11	291170918
9	R1/4	35,5	11	19,5	14	11	291170928
9	R3/8	36	11,5	19,5	17	11	291170938
9	R1/2	39	14	19,5	17	11	291170948
10	R1/4	35,5	11	19,5	14	12	291171028
10	R3/8	36	11,5	19,5	17	12	291171038
10	R1/2	39	14	19,5	22	12	291171048
12	R3/8	36	11,5	19,5	17	14	291171238
12	R1/2	39	14	19,5	22	14	291171248
13	R1/4	35,5	11	19,5	22	15	291171328
13	R3/8	36	11,5	19,5	17	15	291171338
13	R1/2	39	14	19,5	22	15	291171348
13	R3/4	43,5	14,5	19,5	27	15	291171368
16	R3/8	36	11,5	19,5	19	18	291171638
16	R1/2	39	14	19,5	22	18	291171648
16	R3/4	43,5	16,5	19,5	27	18	291171668
19	R3/8	47,5	11,5	30	22	21	291171938
19	R1/2	49,5	14	30	22	21	291171948
19	R3/4	54	16,5	30	27	21	291171968
25	R3/4	52,5	14,5	30	28	27	291172568
25	R1	53,5	16	30	34	27	291172588
32	R1	55	16	30	36	34	291173288

Metric and ISO G - Hose adaptor
29217

Nickel plated brass, aluminium seals





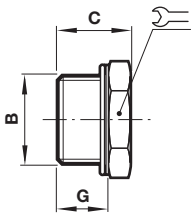
Ø A	B	C	G	L	⌲	Ø Z	Model
3	M5	15,5	4	7,5	8	3,5	292170305
4	G1/8	30	6	20	14	6,5	292170418
4	G1/4	33	8	20	17	6,5	292170428
5	G1/8	30	6	20	14	7,5	292170518
6	G1/8	30	6	20	14	8,5	292170618
6	G1/4	33	8	20	17	8,5	292170628
9	G1/8	30	6	20	14	11,5	292170918
9	G1/4	33	8	20	17	11,5	292170928
9	G3/8	34	9	20	19	11,5	292170938
9	G1/2	35,5	10	20	24	11,5	292170948
10	G1/4	33	8	20	17	12,5	292171028
10	G3/8	34	9	20	19	12,5	292171038
10	G1/2	37,5	10	22	24	12,5	292171048
13	G1/4	33	8	20	17	15,5	292171328
13	G3/8	34	9	20	19	15,5	292171338
13	G1/2	37,5	10	22	24	15,5	292171348
13	G3/4	39,5	12	22	30	15,5	292171368
19	G3/4	41,5	12	24	30	21,5	292171968

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Metric and ISO G - Plug with flange - spanner
16005

Nickel plated brass, aluminium seals





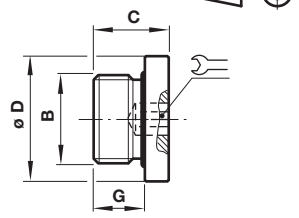
B	C	G		Model
M5	8	4,5	8	160050005
G1/8	10	6,5	14	160050018
G1/4	13	9	17	160050028
G3/8	13,5	9,5	19	160050038
G1/2	14,5	10	24	160050048
G3/4	16	11	30	160050068
G1	17	12	40	160050088

ISO G - Plug with flange - hex
16206

Dimensions in mm
Projection/First angle

Nickel plated brass, O-ring NBR
Temperature: -20 ... +80°C
Operating pressure: -1 ... +15 bar



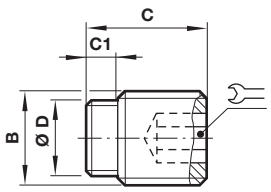


B	C	G	ØD		Model
M5	6	4	8	2	162060005
G1/8	8,5	6	14	5	162060018
G1/4	11	8	17	6	162060028
G3/8	12,5	9	20	8	162060038
G1/2	13,5	10	25	10	162060048

ISO G - Plug
16213

Nickel plated brass



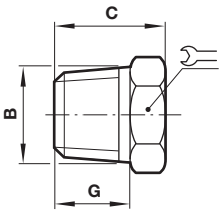


B	C	C1	ØD		Model
G1/8	8	2	8	5	162130018
G1/4	11	3	11	6	162130028
G3/8	12,5	3,5	14,5	8	162130038
G1/2	14	4	18	10	162130048
G3/4	14	3	21,5	12	162130068

ISO R - Plug
15005

Nickel plated brass



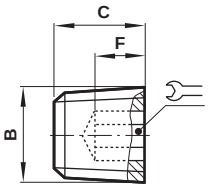


B	C	G		Model
R1/8	11	7,5	10	150050018
R1/4	15	11	14	150050028
R3/8	15,5	11,5	17	150050038
R1/2	18,5	14	22	150050048
R3/4	21,5	16,5	27	150050068
R1	25	19	34	150050088

ISO R - Plug
15113

Nickel plated brass



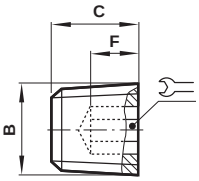


B	C	F		Model
R1/8	7,5	5	5	151130018
R1/4	10	7	6	151130028
R3/8	11	7	8	151130038
R1/2	13	8	10	151130048

ISO R - Plug
25013

Brass (unplated)





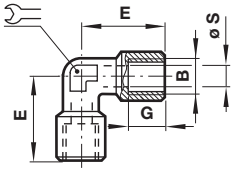
B	C	F		Model
R1/8	7,5	5	5	250130018
R1/4	10	7	6	250130028
R3/8	11	7	8	250130038
R1/2	13	8	10	250130048

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ISO G and metric Elbow connector
16042

Nickel plated brass





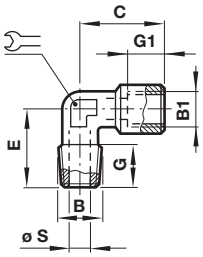
B	E	G	Ø S		Typ
M5	11	5.5	-	9	1604200M5
G1/8	21	7	5,5	11	160420018
G1/4	25,5	8,5	8	13	160420028
G3/8	28	11	11	17	160420038
G1/2	32	15	15	20	160420048
G3/4	36,5	16,5	19	27	160420068
G1	45	19	24	30	160420088

ISO G - ISO R Elbow connector
15043

Dimensions in mm
Projection/First angle

Nickel plated brass



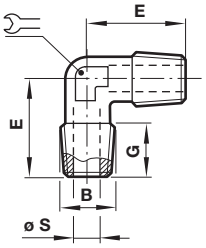


B	B1	C	E	G	G1	Ø S		Model
M5	M5	11.5	11.5	4	5.5	-	9	1604300M5
R1/8	G1/8	21	18	7,5	8,5	5,5	12	150430018
R1/4	G1/4	25,5	24	11	11	8	13	150430028
R3/8	G3/8	28	27	11,5	12	11	16	150430038
R1/2	G1/2	32	29,5	14	15	15	20	150430048
R3/4	G3/4	36,5	32	14,5	16,5	19	27	150430068
R1	G1	45	39	16	19	24	30	150430088

ISO R - Elbow connector
15040

Nickel plated brass





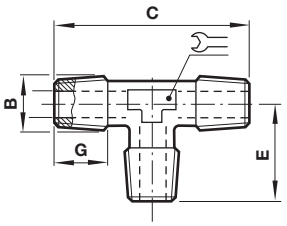
B	E	G	Ø S		Model
R1/8	18	7,5	6	11	150400018
R1/4	24	11	8	13	150400028
R3/8	27	12	11	17	150400038
R1/2	29,5	14	15	20	150400048
R3/4	32	14,5	19	27	150400068
R1	39	17	24	30	150400088

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ISO R - Tee connector
15060

Nickel plated brass





B	C	E	G	Ø S	⌯	Model
R1/8	35	17,5	8	5,5	12	150600018
R1/4	46	23	11	8	13	150600028
R3/8	51,5	25,5	11,5	11	16	150600038
R1/2	59	29,5	14	15	20	150600048
R3/4	64	32	14,5	19	27	150600068
R1	78	39	17	24	30	150600088

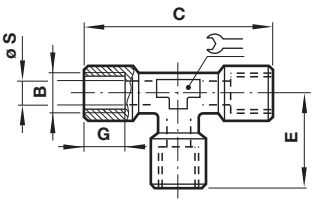
ISO G - Tee connector
16062

Dimensions in mm
Projection/First angle



Nickel plated brass



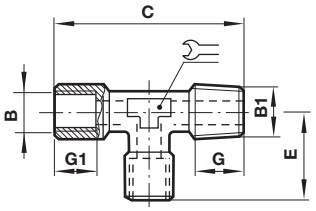


B	C	E	G	Ø S	⌯	Model
G1/8	39	19,5	8,5	6	12	160620018
G1/4	49	24,5	11	8	13	160620028
G3/8	54	27	12	11	16	160620038
G1/2	64	32	15	15	20	160620048
G3/4	73	36,5	16,5	19	27	160620068
G1	90	45	19	24	30	160620088

ISO R and Metric - ISO G - Tee connector
15072

Nickel plated brass



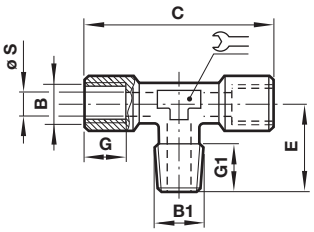


B	B1	C	E	G	G1	⌯	Model
M5	M5	22	11	4	5.5	9	1607200M5
G1/8	R1/8	37	19,5	8	8,5	12	150720018
G1/4	R1/4	47,5	24,5	11	11	13	150720028
G3/8	R3/8	52,5	27	11,5	12	16	150720038
G1/2	R1/2	61,5	32	14	15	20	150720048
G3/4	R3/4	68,5	36,5	14,5	16,5	27	150720068
G1	R1	84	45	17	19	30	150720088

ISO R and Metric - ISO G - Tee connector
15069

Nickel plated brass



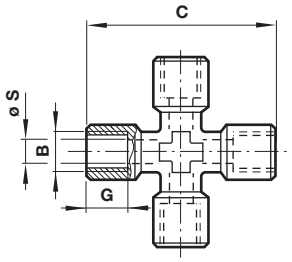


B	B1	C	E	G	G1	Ø S	⌯	Model
M5	M5	22	11	5.5	4	-	9	1606900M5
G1/8	R1/8	39	17,5	8,5	8	6	12	150690018
G1/4	R1/4	49	23	11	11	8	13	150690028
G3/8	R3/8	54	25,5	12	11,5	11	16	150690038
G1/2	R1/2	64	29	15	14	15	20	150690048
G3/4	R3/4	73	32	16,5	14,5	19	27	150690068
G1	R1	90	39	19	17	24	30	150690088

ISO G - Cross
16092

Nickel plated brass



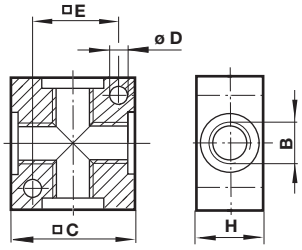


B	C	G	Ø S	⌯	Model
G1/8	39	8,5	6	11	160920018
G1/4	50	11	8	13	160920028
G3/8	56	12	11	17	160920038
G1/2	64	15	15	20	160920048

ISO G - Cross block
16094

Aluminium





B	C	Ø D	E	H	Model
G1/8	25	4,5	17,5	16	160940018
G1/4	40	5,5	27	20	160940028
G3/8	50	5,5	35	25	160940038
G1/2	50	5,5	35	32	160940048

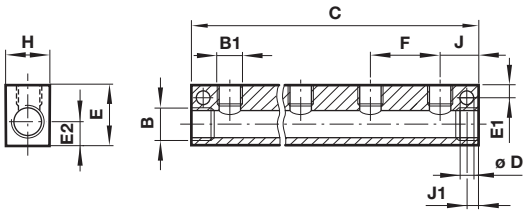
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ISO G - Manifold - single sided
34050

Brass

Dimensions in mm
Projection/First angle





Numbers of outputs: 4

B	B1	C	ØD	E	E1	E2	F	H	J	J1	Model
G1/4	G1/4	109	5,5	31	5	20	23	23	20	5	34050402
G3/8	G3/8	127	6,5	35	6	23	27	25,5	20	6	34050403

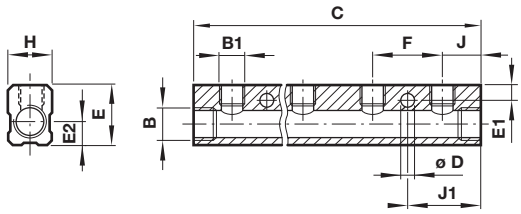
Numbers of outputs: 6

B	B1	C	ØD	E	E1	E2	F	H	J	J1	Model
G1/4	G1/4	155	5,5	31	5	20	23	23	20	5	34050602

ISO G - Manifold - single sided
162B4 and 162B6

Aluminium





Numbers of outputs: 4

B	B1	C	ØD	E	E1	E2	F	H	J	J1	Model
G1/4	G1/8	125	4,5	24	6	9	30	18	17,5	32,5	162B42818
G3/8	G1/4	148	5,5	30	7	11	36	22	20	38	162B43828
G1/2	G3/8	170	5,5	35	7,5	13	40	26	25	45	162B44838

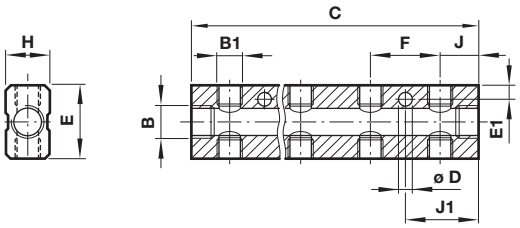
Numbers of outputs: 6

B	B1	C	ØD	E	E1	E2	F	H	J	J1	Model
G1/4	G1/8	185	4,5	24	6	9	30	18	17,5	32,5	162B62818
G3/8	G1/4	220	5,5	30	7	11	36	22	20	38	162B63828
G1/2	G3/8	250	5,5	35	7,5	13	40	26	25	45	162B64838

ISO G - Manifold - double sided
162C4 and 162C6

Aluminium





Numbers of outputs: 8

B	B1	C	ØD	E	E1	F	H	J	J1	Model
G1/4	G1/8	125	4,5	30	6	30	18	17,5	32,5	162C42818
G3/8	G1/4	148	5,5	38	7	36	22	20	38	162C43828
G1/2	G3/8	170	5,5	44	7,5	40	26	25	45	162C44838

Numbers of outputs: 12

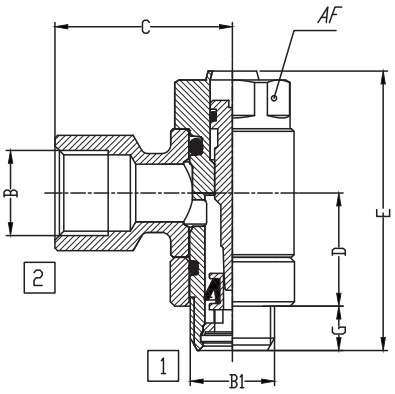
B	B1	C	ØD	E	E1	F	H	J	J1	Model
G1/4	G1/8	185	4,5	30	6	30	18	17,5	32,5	162C62818
G3/8	G1/4	220	5,5	38	7	36	22	20	38	162C63828
G1/2	G3/8	250	5,5	44	7,5	40	26	25	45	162C64838

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ISO G - Elbow banjo assembly regulating-out BSP parallel

16K51





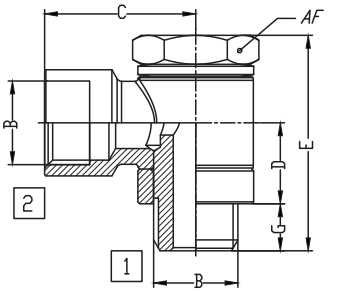
B	B1	C	D	E	G	AF	Weight (g)	Model
G1/8	G1/8	20	12,5	31,5	5	12	30	16K511818
G1/4	G1/4	23,5	12,5	32,5	6	15	47	16K512828
G3/8	G3/8	26,5	12,5	42	8	19	74	16K513838
G1/2	G1/2	34,5	24,5	70,5	8	27	235	16K514848

ISO G - Banjo elbow non-regulating, BSP parallel to BSP parallel

Dimensions in mm
Projection/First angle

16A51



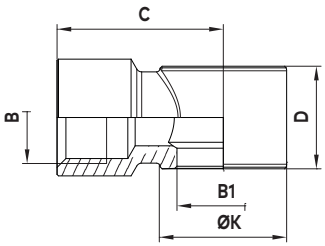


B	C	D	E	G	AF	Weight (g)	Model
G1/8	20	12,5	31	6	14	29	16A511818
G1/4	23,5	12,5	33,5	8	17	48	16A512828
G3/8	26,5	12,5	34	8	19	64	16A513838
G1/2	34	12,5	35	9	27	104	16A514848

Banjo elbow body

16051





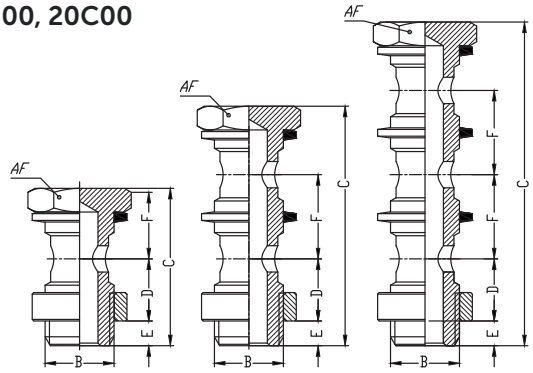
B	Bolt size B	ØB1	ØK	D	C	Weight (g)	Model
G1/8	G1/8	9,8	14	14,5	20	14	160511818Z
G1/4	G1/4	13,2	18	14,5	23,5	21	160512828Z
G3/8	G3/8	16,7	21	14,5	26,5	27	160513838Z
G1/2	G1/2	21	44	14,5	34	44	160514848Z

Note: Banjo elbow bodies with suffix Z at the end of the model number are not interchange with the previous series without the suffix Z.

ISO G - Banjo bolt, non-regulating stacking

20A00, 20B00, 20C00





B	C	D	E	F	AF	Type	Weight (g)	Model
M5	18	5,5	4	-	8	Single	4	20A000005Z
G1/8	31	12,5	6	-	14	Single	15	20A000018Z
G1/4	33,5	12,5	8	-	17	Single	27	20A000028Z
G3/8	34	12,5	8	-	19	Single	37	20A000038Z
G1/2	35	12,5	9	-	27	Single	60	20A000048Z
G1/8	56	12,5	6	25	14	Double	26	20B000018Z
G1/4	58,5	12,5	8	25	17	Double	44	20B000028Z
G3/8	59	12,5	8	25	19	Double	64	20B000038Z
G1/4	61,5	12,5	8	25	17	Triple	42	20C000028Z
G3/8	62	12,5	8	25	19	Triple	62	20C000038Z

Note:

Banjo bolts are supplied with a spacing washer with integral retention lug. The washer must be installed with the mounting lug at the lowest position to ensure retention on to thread.

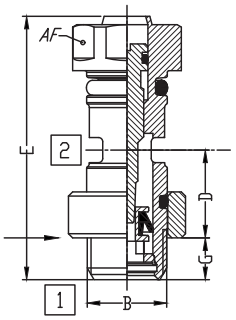
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ISO G - Banjo bolt, regulating out, 20K00





RETAINING LUG POSITION



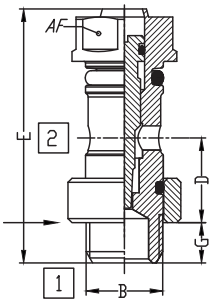
B	D	E	G	AF	Weight (g)	Model
G1/8	12,5	31,5	5	12	15	20K000018Z
G1/4	12,5	32,5	6	15	25	20K000028Z
G3/8	12,5	42	8	19	45	20K000038Z

ISO G - Banjo bolt, regulating bi-directional, 20M00





RETAINING LUG POSITION

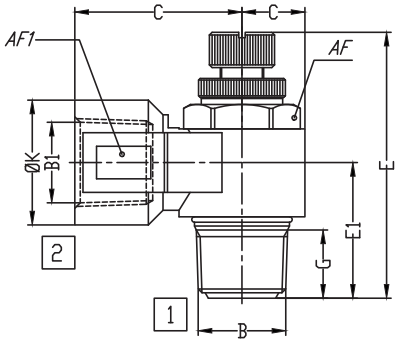


B	D	E	G	AF	Weight (g)	Model
G1/8	12,5	31,5	5	12	17	20M000018Z
G1/4	12,5	32,5	6	15	27	20M000028Z

ISO R - Elbow flow control, regulating out 10TA0







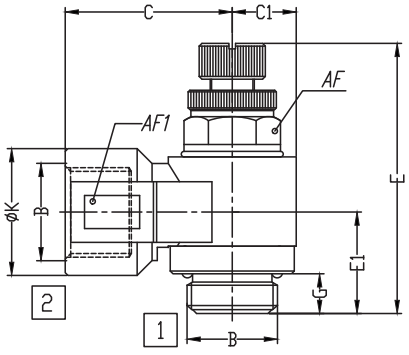
B	B1	C	C1	E Max	E1	G	ØK	AF	AF1	Weight (g)	Model
R1/8	Rc1/8	18.2	7.3	40.7	16.0	7.6	14.5	12	15	30	10TA01818
R1/4	Rc1/4	26.5	9.5	46.6	21.1	10.6	18.0	15	19	60	10TA02828
R3/8	Rc3/8	30.8	11.6	54.9	25.0	12.6	23.0	19	24	107	10TA03838
R1/2	Rc1/2	38.7	14.0	60.1	29.1	14.5	26.5	24	28	170	10TA04848

Material: Body - Zinc die-casting

ISO G - Elbow flow control, regulating out 10KA0







B	C	C1	E Max	E1	G	ØK	AF	AF1	Weight (g)	Model
G1/8	17.7	7.3	40.7	14.8	6.0	14.5	8	15	31	10KA01818
G1/4	26.0	9.5	46.6	15.8	8.0	18	12	19	66	10KA02828
G3/8	30.3	11.6	54.9	18.4	8.0	23	15	24	117	10KA03838
G1/2	38.2	14.0	60.1	22.1	9.0	26.5	19	28	180	10KA04848

Material: Body - Zinc die-casting

ISO G - Banjo bolt, regulating in, BSP parallel

Dimensions in mm
Projection/First angle

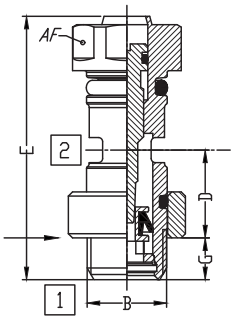


20L00





RETAINING LUG POSITION



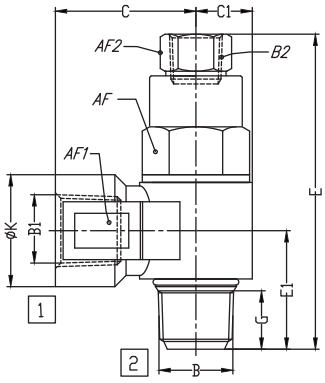
B	D	E	G	AF	Weight (g)	Model
G1/8	12,5	31,5	5	12	15	20L000018Z
G1/4	12,5	32,5	6	15	25	20L000028Z

Note: Banjo bolts, regulating, non-regulating and stacking with suffix Z at the end of the model number are not interchange with the previous series without the suffix Z.

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ISO R - Pilot operated check valve
101GA





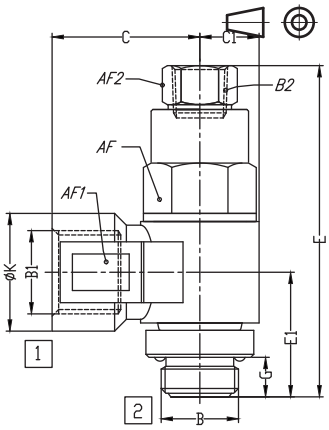
B	B1	B2	C	C1	E	E1	G	ØK	AF	AF1	AF2	Weight (g)	Model
R1/8	Rc1/8	M5	18.2	7.3	40.8	15.4	7.6	14.5	12	15	8	35	101GA1818
R1/4	Rc1/4	Rc1/8	26.5	9.5	48.9	21.1	10.6	18.0	17	19	12	75	101GA2828
R3/8	Rc3/8	Rc1/8	30.8	11.6	56.7	24.8	12.6	23.0	20	24	12	123	101GA3838
R1/2	Rc1/2	Rc1/4	38.7	14.0	70.6	31.0	14.5	26.5	24	28	17	207	101GA4848

Material: Body - Zinc die-casting

ISO G - Pilot operated check valve
102GA

Dimensions in mm
Projection/First angle



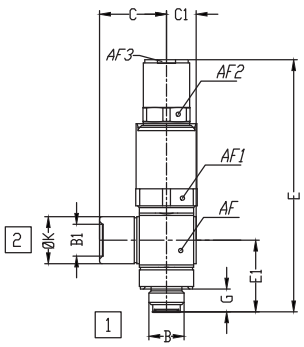


B	B1	B2	C	C1	E	E1	G	ØK	AF	AF1	AF2	Weight (g)	Model
G1/8	G1/8	M5	17.7	7.3	40.8	16.2	5.1	14.5	12	15	8	35	102GA1818
G1/4	G1/4	G1/8	26.0	9.5	48.9	21.3	6.6	18.0	17	19	12	77	102GA2828
G3/8	G3/8	G1/8	30.3	11.6	56.7	24.8	7.2	23.0	20	24	12	128	102GA3838
G1/2	G1/2	G1/4	38.2	14.0	70.6	29.6	8.7	26.5	24	28	17	219	102GA4848

Material: Body - Zinc die-casting

ISO G - Pressure reduction valve
102GB



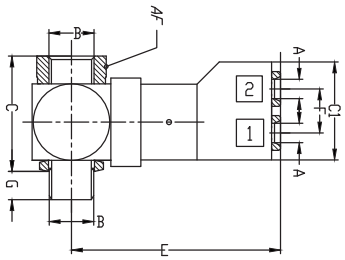


B	B1	C	C1	E	E1	G	ØK	AF	AF1	AF2	AF3	Weight (g)	Model
G1/8	G1/8	18.5	8.4	70	19.8	6.3	13	15	17	13	5	57	102GB1818
G1/4	G1/4	22.5	10.4	78	25.8	9.5	18	19	17	13	5	76	102GB2828
G3/8	G3/8	28.5	12.5	85.7	29	9.7	23	23	23	17	6	132	102GB3838
G1/2	G1/2	31	15.3	86.7	32	9.5	25	28	27	17	6	181	102GB4848

Materials: Body - PA, Banjo bolt - nickel plated brass

ISO G - Pressure sensor valve
102GD





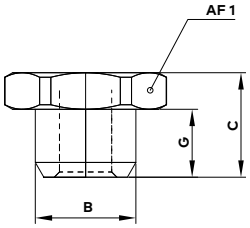
ØA	B	C	C1	E	F	G	AF	Weight (g)	Model
4	G1/8	25	21	45.2	9.5	5.5	15	38	102GD0418
4	G1/4	29	21	47.2	9.5	6.5	19	55	102GD0428

Materials: Body - PA, Banjo bolt - nickel plated brass

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Plug - Stainless steel
66005

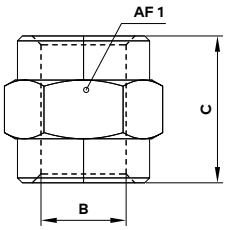




B	C	G	AF	Weight (g)	Model
G 1/8	10	6,5	14	7	660050018
G 1/4	13	9	17	14	660050028
G 3/8	13,5	9,5	19	17	660050038
G 1/2	14,5	10	24	26	660050048

Sleeve adaptor - Stainless steel
66022

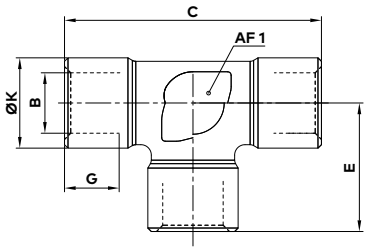




B	C	Ø K	AF	Weight (g)	Model
G 1/8	15	13,5	14	11	660221818
G 1/4	22	16,5	17	21	660222828
G 3/8	24	21,5	22	33	660223838
G 1/2	30	25,5	27	62	660224848

Tee connector - Stainless steel
66062

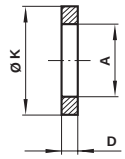




B	C	E	G	Ø K	Ø S	AF	Weight (g)	Model
G 1/8	37	18,5	8,5	18,5	6	12	32	660620018
G 1/4	49	24,5	11	24,5	8	12	50	660620028
G 3/8	54	27	12	27	11	15	77	660620038
G 1/2	64	32	15	32	15	20	146	660620048

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ISO G - Copper sealing washer 480213

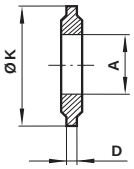




A for thread	D	K	Model
G1/8	1,8	13,5	48021301
G1/4	1,8	17,6	48021302
G3/8	1,8	20,9	48021303
G1/2	1,8	26,4	48021304
G3/4	1,8	32,4	48021306
G1	1,8	38,9	48021308

Operating Pressure: 20 Bar (max)
Temperature: -10°C ... +80°C

ISO G - Bonded sealing washer 480215

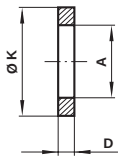




A for thread	D	K	Model
G1/8	2	15,9	48021501
G1/4	2	20,6	48021502
G3/8	2	23,8	48021503
G1/2	2	28,6	48021504
G3/4	2	34,9	48021506
G1	2,5	42,8	48021508

Operating Pressure: 128 Bar (max)
Temperature: -30°C ... +110°C

ISO G - Aluminium sealing washer (supplied with ISO G male connectors)





A for thread	D	K
G1/8	1,5	14
G1/4	1,5	18
G3/8	1,5	21
G1/2	1,5	26
G3/4	2,5	32
G1	2,5	39,5

Operating Pressure: 20 Bar (max)
Temperature: -10°C ... +80°C

PTFE - sealing tape DB-R-12



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«.**
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren Ltd.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

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