

JRG

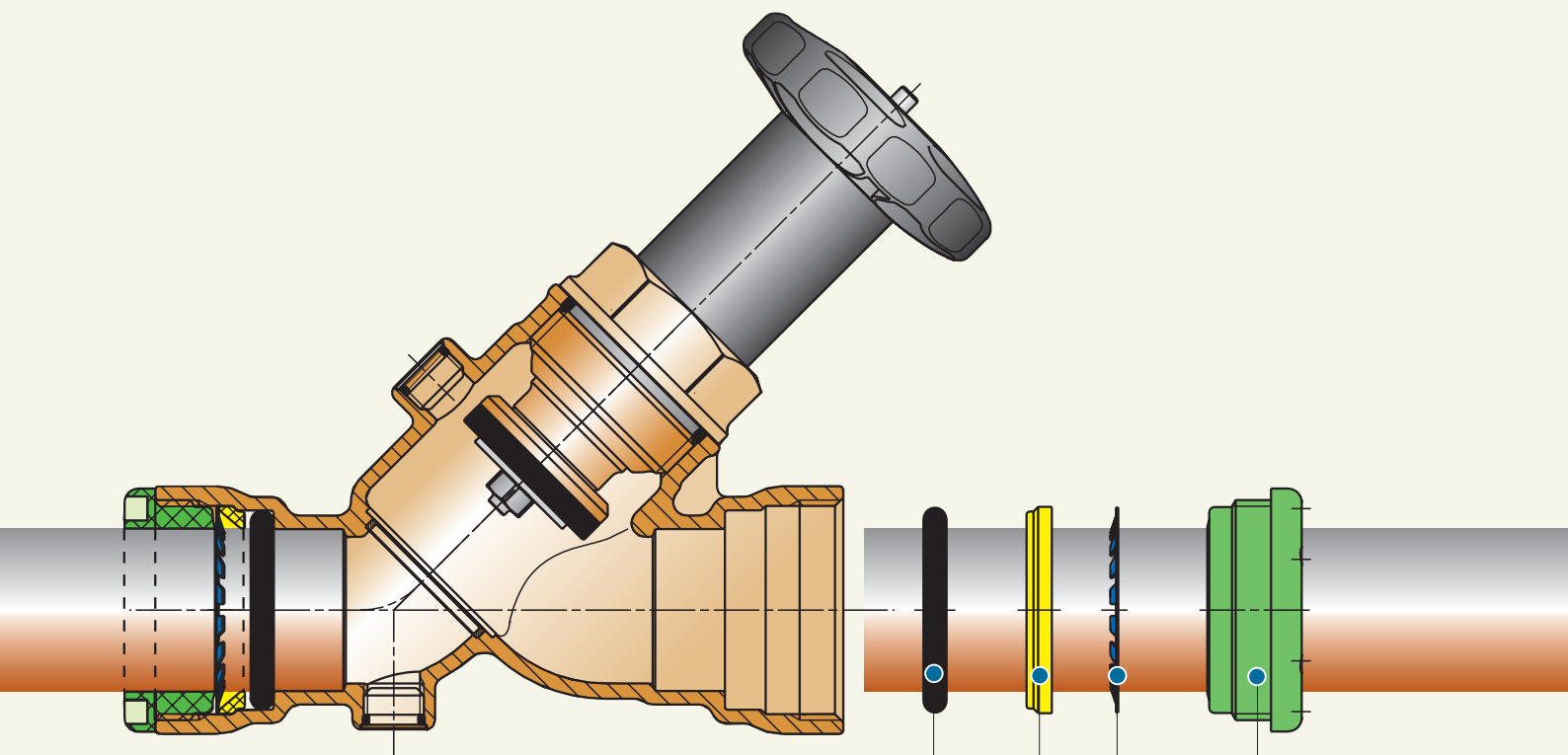
+GF+

JRG Push-in connectors for stainless steel and copper pipes*



Precision manufactured components of the JRG push-in connectors

The JRG push-in connector (sudoFIT) ensures compatibility with other pipe connection techniques for chrome steel and copper* pipes.



The O-ring is made of high-grade EPDM to guarantee that the connection does not leak.

The plastic spacing ring separates the O-ring from the stainless steel locking ring and serves to align the pipe.

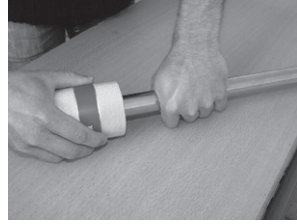
Made of high-grade stainless steel, the serrated locking ring holds the pipe tightly and securely along its longitudinal axis.

The purpose of the plastic sleeve is to keep all the components of the connector in position.

Assembly



1 Cut the stainless steel or copper pipe to length with a commercial pipe cutter or fine-toothed saw.



2 Carefully deburr the pipe inside with a commercial deburring tool.



3 Use the insertion depth tool to mark the insertion depth on the pipe.



4 Before pushing in the pipe, check visually that the fitting is clean and the O-ring is seated correctly. Twisting the pipe gently, push it in until it reaches the marking.

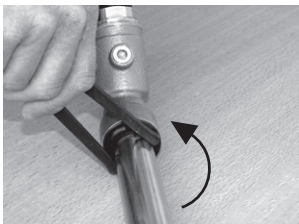
Before pushing a pipe in:

- Ensure the pipe is perfectly round.
- Calibrate soft copper pipes inside and outside.

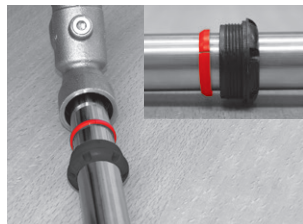
After pushing a pipe in:

- Pull on the pipe to ensure that the connection is tight.

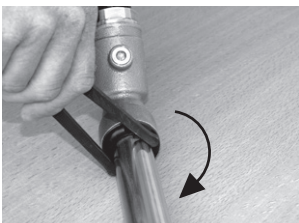
Disassembly



1 Turn the plastic sleeve counter-clockwise with a wrench to release it.



2 Push the red plastic ring, with the taper towards the body of the fitting, between the body and the plastic sleeve over the pipe.



3 Turn the plastic sleeve clockwise with a wrench and tighten it as far as it will go.



4 The pipe can be pulled out of the push-in connection.

+ Advantages

- Slashes installation times
- Can be used on or under wall surfaces
- Resists longitudinal forces, permanently leak-proof connection according to DIN 1988
- Connections can be rotated for easy alignment
- Easy disassembly makes the system suitable for non-stationary systems and temporary arrangements

* JRG push-in connectors are suitable for the following piping types and systems:

Stainless steel pipes

PN16 (Ø12, 15, 18, 22, 28, 35, 42, 54)

Mapress
Optipress / Sanpress
inoxPRES
simplesta
CONNECT INOX

Copper pipes

PN10 (Ø12, 14, 15, 18, 22, 28, 35, 42, 54)

WICU / KME
SANCO / Wieland-Werke
SANCO / KME

For questions regarding approved pipes, tubes for the application, please contact our Technical Sales or Technical Customer Service. If applicable, other system pipes are approved locally for the JRG insert connection or are sold under a different product name. Further approvals for the JRG push-in connectors are available on request.



sudofIT connectors are tested according to DVGW worksheet W534 and approved by the SVGW.



Remove the red plastic ring after releasing the connection.

Reassembling

For safety reasons O-ring and fixing ring have to be replaced before the reassembling socket body made of gunmetal.

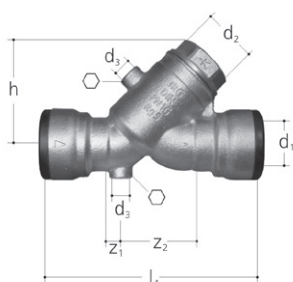
The O-ring may only be lubricated with special O-ring grease JRG Code 8130.090.

Use

Valves with plug connection may only be used as temporary end stop in pressureless systems!

In the case of pressurized systems, a pipe must be mounted on both sides, each of which is fixed with a pipe clamp firmly connected to the building structure.

Product range



JRG Check valve sudoFIT gunmetal

- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Opening pressure: < 5 kPa (< 50 mbar)
- Connection: push-in system sudoFIT

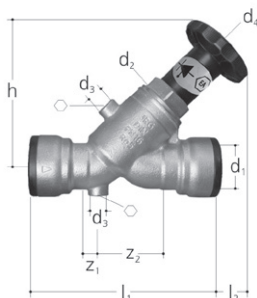
Approved for the following pipe types and systems: (For other approvals, please contact our technical customer service).

Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress / inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke / SANCO, KME

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
12	15	1615.015	351 060 404	0.313
15	18	1615.018	351 060 414	0.360
20	22	1615.022	351 060 424	0.474
25	28	1615.028	351 060 434	0.710
32	35	1615.035	351 060 444	1.070
40	42	1615.042	351 060 674	1.655
50	54	1615.054	351 060 684	2.675

DN (mm)	d (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	h (mm)	l1 (mm)	PN (bar)	z1 (mm)	z2 (mm)	⊙
12	15	15	½	¼	47	82	16/10	8	26	6
15	18	18	½	¼	47	98	16/10	8	31	6
20	22	22	¾	¼	56	103	16/10	7	35	6
25	28	28	1	¼	68	136	16/10	9	44	6
32	35	35	1 ¼	¼	80	164	16/10	11	57	6
40	42	42	1 ½	¼	91	191	16/10	11	62	6
50	54	54	2	¼	107	231	16/10	14	79	6



JRG LegioStop Non-return valve sudoFIT closable gunmetal

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: push-in system sudoFIT

Approved for the following pipe types and systems: (For other approvals, please contact our technical customer service).

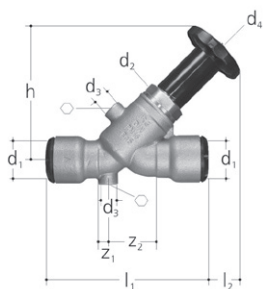
Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress / inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke / SANCO, KME

d (mm)	DN (mm)	JRG Code	GF Code	Weight (kg)
15	12	5265.015	351 060 403	0.350
18	15	5265.018	351 060 413	0.390
22	20	5265.022	351 060 423	0.540
28	25	5265.028	351 060 433	0.930
35	32	5265.035	351 060 443	1.330
42	40	5265.042	351 060 673	1.830
54	50	5265.054	351 060 683	2.840

d (mm)	DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	h (mm)	l1 (mm)	l2 (mm)	PN (bar)	z1 (mm)	z2 (mm)	⊙
15	12	15	½	¼	53	87	82	37	10/16	8	26	6
18	15	18	½	¼	53	87	98	27	10/16	8	31	6
22	20	22	¾	¼	53	105	103	39	10/16	7	35	6
28	25	28	1	¼	60	117	136	31	10/16	9	44	6
35	32	35	1 ¼	¼	70	130	164	26	10/16	11	57	6
42	40	42	1 ½	¼	90	148	191	27	10/16	11	62	6
54	50	54	2	¼	90	169	231	21	10/16	14	79	6

Product range



JRG LegioStop Y-type valve sudoFIT gunmetal

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: push-in system sudoFIT

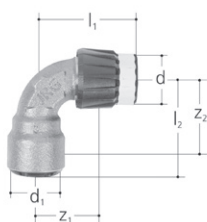
Approved for the following pipe types and systems: (For other approvals, please contact our technical customer service).

Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress /inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke /SANCO, KME

d (mm)	DN (mm)	JRG Code	GF Code	Weight (kg)
15	12	5225.015	351 060 406	0.354
18	15	5225.018	351 060 416	0.401
22	20	5225.022	351 060 426	0.550
28	25	5225.028	351 060 436	0.930
35	32	5225.035	351 060 446	1.370
42	40	5225.042	351 060 676	2.018
54	50	5225.054	351 060 686	2.990

d (mm)	DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	h (mm)	l1 (mm)	l2 (mm)	z1 (mm)	z2 (mm)	⊘	PN (bar)
15	12	15	½	¼	53	87	82	37	8	26	6	10/16
18	15	18	½	¼	53	87	98	27	8	31	6	10/16
22	20	22	¾	¼	53	105	103	39	7	35	6	10/16
28	25	28	1	¼	60	117	136	31	9	44	6	10/16
35	32	35	1 ¼	¼	70	130	164	26	11	57	6	10/16
42	40	42	1 ½	¼	90	148	191	27	11	62	6	10/16
54	50	54	2	¼	90	169	231	21	14	79	6	10/16



JRG Sanipex MT Transition bend gunmetal With push-in connection

- Description: for stainless steel / copper pipes
- Temperature: max. 90°C
- Material: gunmetal, PPSU
- Connection: push-in system sudoFIT

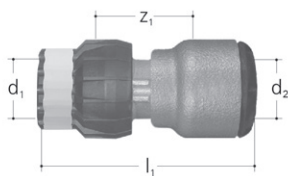
Approved for the following pipe types and systems: (For other approvals, please contact our technical customer service).

Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress /inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke /SANCO, KME

d (mm)	DN (mm)	JRG Code	Weight (kg)	GF Code	d1 (mm)	d2 (mm)	l1 (mm)	l2 (mm)	z1 (mm)	z2 (mm)
16 - 12	10	4673.098	0.095	351 060 574	16	12	39	47	16	26
16 - 15	12	4673.100	0.104	351 060 570	16	15	44	47	20	28

Product range



JRG Sanipex MT Transition gunmetal With push-in connection

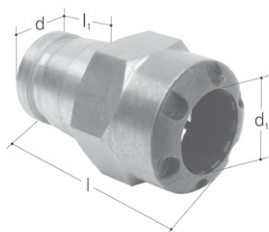
- Description: for stainless steel / copper pipes
 - Temperature: max. 90°C
 - Material: gunmetal, PPSU
 - Connection: push-in system sudoFIT
- Permissible tubes can be found in the installation instructions for the fitter's toolkit JRG code 8130.000

Approved for the following pipe types and systems:(For other approvals, please contact our technical customer service).

Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress /inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke /SANCO, KME

d (mm)	DN (mm)	JRG Code	GF Code	Weight (kg)	d1 (mm)	d2 (mm)	l1 (mm)	z1 (mm)
16 - 12	10	4714.098	351 060 500	0.065	16	12	55	16
16 - 15	12	4714.100	351 060 501	0.075	16	15	62	21
20 - 18	15	4714.104	351 060 511	0.125	20	18	76	24
20 - 22	15	4714.105	351 060 516	0.140	20	22	82	25
26 - 22	20	4714.106	351 060 521	0.140	26	22	75	15
32 - 28	25	4714.108	351 060 531	0.245	32	28	93	14
40 - 35	32	4714.110	351 060 541	0.380	40	35	107	16



iFIT Transition module brass With sudoFIT connector

- Material: brass
- Permissible tubes can be found in the installation instructions for the fitter's toolkit JRG code 8130.000

Approved for the following pipe types and systems:(For other approvals, please contact our technical customer service).

Stainless steel pipes / PN16 / Ø 15, 18, 22, 28, 35, 42, 54 / Mapress / Optipress, Sanpress /inox-PRES

Copper pipes / PN10 / Ø 15, 18, 22, 28, 35, 42, 54 / WICU, KME / SANCO, Wieland-Werke /SANCO, KME

d (mm)	Code	Weight (kg)	d1 (mm)	l (mm)	l1 (mm)
16 - 20	762 101 243	0.054	12	42	20
16 - 20	762 101 244	0.060	14	42	20
16 - 20	762 101 245	0.060	15	42	20
16 - 20	762 101 246	0.120	18	53	20
16 - 20	762 101 247	0.140	22	54	20
25 - 32	762 101 248	0.190	22	62	28

Tools and spare parts



JRG sudoFIT fitter's toolkit d12-54

- Description: to push-in connection sudoFIT
- Consisting of: 8130.090 silicon, 8130.114 device for insert measures, 8130.150 key d12-28, 8130.152 key d35-54, 8135 red plastic rings, 8137 spare part set, marker

d (mm)	JRG Code	GF Code	Weight (kg)
12 - 54	8130.000	351 060 660	2.840

Tools and spare parts



sudoFIT device for insert measurements d12-54

- Description: to push-in connection sudoFIT

d (mm)	JRG Code	GF Code	Weight (kg)
12 - 54	8130.114	351 060 612	0.040



JRG Silicon grease for O-ring

- Description: to push-in connection sudoFIT

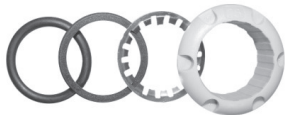
JRG Code	GF Code	Weight (kg)
8130.090	351 060 650	0.010



JRG sudoFIT key steel

- Description: to push-in connection sudoFIT
- Material: steel

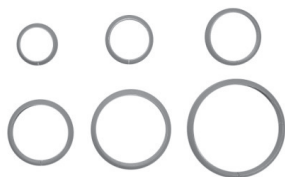
d (mm)	JRG Code	GF Code	Weight (kg)
12 - 28	8130.150	351 060 701	0.120
35 - 54	8130.152	351 060 702	0.246



Single part set

- Description: to push-in connection sudoFIT
- Consisting of: O-ring, distance ring, fixation ring, sleeve

d (mm)	JRG Code	GF Code	Weight (kg)
12	8137.012	351 060 900	0.02
15	8137.015	351 060 901	0.02
18	8137.018	351 060 902	0.03
22	8137.022	351 060 903	0.04
28	8137.028	351 060 904	0.07
35	8137.035	351 060 905	0.06
42	8137.042	351 060 936	0.08
54	8137.054	351 060 937	0.18



Red plastic rings

- Description: to push-in connection sudoFIT

d (mm)	JRG Code	GF Code	Weight (kg)
12	8135.012	351 060 808	0.002
15	8135.015	351 060 801	0.002
18	8135.018	351 060 802	0.003
22	8135.022	351 060 803	0.005
28	8135.028	351 060 804	0.004
35	8135.035	351 060 805	0.005
42	8135.042	351 060 806	0.010
54	8135.054	351 060 807	0.008

Local support around the world

Visit our webpage to get in touch with your local specialist:

www.gfps.com/our-locations



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