



Standard Bourdon tube pressure gauges for gas applications Type D3



Benefits

- Version safety pressure gauge S2 as per EN 837-1
- Dual scale for measurement of different media (option)
- Rear blow-out
- Many customised versions available

Application

For gaseous and liquid media which are not highly viscous and do not crystallise. Specially designed for gas technology devices, fittings and installations.

! For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical specifications

Type

D3

Nominal size

40 – 50 – 63

Version

EN 837-1-S2

Accuracy class (EN 837-1/6)

1,6

Ranges (EN 837-1/5)

See ordering table

Application area

Static load: $\frac{1}{4}$ x full scale value

Dynamic load: $\frac{1}{2}$ x full scale value

Short-term: Full scale value

Operating temperature range

Medium: Max. 60 °C

Ambient: -20/+60 °C

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:

at rising temperature approx. ± 0.4 %/10 K

falling temperature approx. ± 0.4 %/10 K

of full scale value

Degree of protection

IP 32 (EN 60529)

Standard version

Connection

- D301:Brass
- D302:Stainless steel 316 Ti/316 L
- D311:Brass
- Bottom or centre back

Measuring element

- Bourdon tube
- D301:Copper alloy
- D302:Stainless steel 316 Ti/316 L
- D311:Copper alloy
- ≤ 40 bar:"C" type tube
- > 40 bar:Helical tube

Movement

Brass

Dial

- Aluminium, white
- Scaling black

Pointer

Aluminium, black

Housing

Stainless steel 304, with rear blow-out

Window

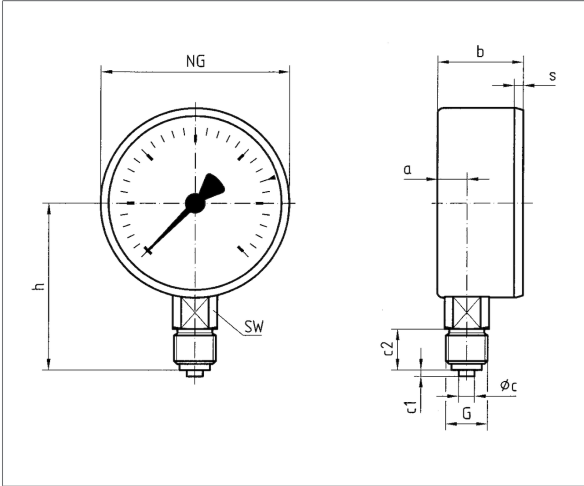
Plastic, snapped in

Options

- Wetted parts stainless steel
- Wetted parts oil-free and grease-free
- Helium leak test
- Damping screw
- Special scales
- Other connection threads

Technical drawings

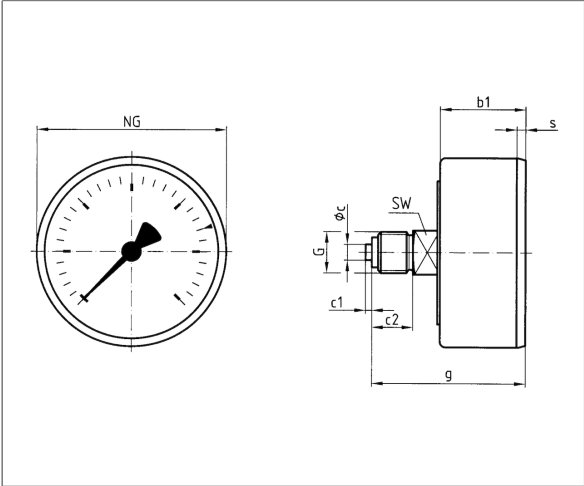
Bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	s	SW
40	8,2	23,5	4	2	10	G½B	36	3	12
50	10,5	29	5	2	13	G½B	46	3,8	14
63	11	29,5	5	2	13	G¾B	53	3,7	14

Centre back connection



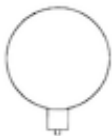
Dimensions (mm)

NG	b1	Øc	c1	c2	G	g	s	SW
50	26	5	2	13	G½B	47	3,8	14
63	29,5	5	2	13	G¾B	50,5	3,7	14



Versions

RF40GT D301

	Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/4 bar	RF40GT D301	85013301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/6 bar	RF40GT D301	85014301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/10 bar	RF40GT D301	85015301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/16 bar	RF40GT D301	85016301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/25 bar	RF40GT D301	85017301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/40 bar	RF40GT D301	85018301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/60 bar	RF40GT D301	85019301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/100 bar	RF40GT D301	85020301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/160 bar	RF40GT D301	85021301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/250 bar	RF40GT D301	85022301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/315 bar	RF40GT D301	85023301GT
	40 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/400 bar	RF40GT D301	85024301GT

Blue part no. = in-stock items

RF50GT D301

	Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/0 bar	RF50GT D301	85051301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+0.6 bar	RF50GT D301	85052301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+1.5 bar	RF50GT D301	85053301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+3 bar	RF50GT D301	85054301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+5 bar	RF50GT D301	85055301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+9 bar	RF50GT D301	85056301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	-1/+15 bar	RF50GT D301	85057301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/0.6 bar	RF50GT D301	85059301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/1 bar	RF50GT D301	85060301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/1.6 bar	RF50GT D301	85061301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/2.5 bar	RF50GT D301	85062301GT
	50 mm	G $\frac{1}{4}$ B	Bottom	Stainless steel 304	1,6	0/2.5 bar	RF50GT D301	85062301GT

Blue part no. = in-stock items



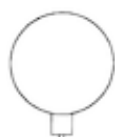
Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/4 bar	RF50GT D301	85063301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/6 bar	RF50GT D301	85064301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/10 bar	RF50GT D301	85065301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/16 bar	RF50GT D301	85066301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/25 bar	RF50GT D301	85067301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/40 bar	RF50GT D301	85068301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/60 bar	RF50GT D301	85069301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/100 bar	RF50GT D301	85070301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/160 bar	RF50GT D301	85071301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/250 bar	RF50GT D301	85072301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/400 bar	RF50GT D301	85073301GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/315 bar	RF50GT D301	85079301GT

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RF63GT D301

Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/0 bar	RF63GT D301	85101301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+0.6 bar	RF63GT D301	85102301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+1.5 bar	RF63GT D301	85103301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+3 bar	RF63GT D301	85104301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+5 bar	RF63GT D301	85105301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+9 bar	RF63GT D301	85106301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+15 bar	RF63GT D301	85107301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/0.6 bar	RF63GT D301	85109301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1 bar	RF63GT D301	85110301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1.6 bar	RF63GT D301	85111301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/2.5 bar	RF63GT D301	85112301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/4 bar	RF63GT D301	85113301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/6 bar	RF63GT D301	85114301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/10 bar	RF63GT D301	85115301GT

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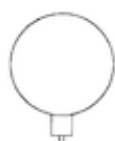
Housing [⊗]	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/16 bar	RF63GT D301	85116301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/25 bar	RF63GT D301	85117301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/40 bar	RF63GT D301	85118301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/60 bar	RF63GT D301	85119301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/100 bar	RF63GT D301	85120301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/160 bar	RF63GT D301	85121301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/250 bar	RF63GT D301	85122301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/400 bar	RF63GT D301	85123301GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/315 bar	RF63GT D301	85129301GT

Blue part no. = in-stock items

RF50GT D302

Housing [⊗]	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/0 bar	RF50GT D302	85051302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+0.6 bar	RF50GT D302	85052302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+1.5 bar	RF50GT D302	85053302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+3 bar	RF50GT D302	85054302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+5 bar	RF50GT D302	85055302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+9 bar	RF50GT D302	85056302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+15 bar	RF50GT D302	85057302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/0.6 bar	RF50GT D302	85059302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1 bar	RF50GT D302	85060302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1.6 bar	RF50GT D302	85061302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/2.5 bar	RF50GT D302	85062302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/4 bar	RF50GT D302	85063302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/6 bar	RF50GT D302	85064302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/10 bar	RF50GT D302	85065302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/16 bar	RF50GT D302	85066302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/25 bar	RF50GT D302	85067302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/40 bar	RF50GT D302	85068302GT

Blue part no. = in-stock items





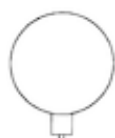
Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/60 bar	RF50GT D302	85069302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/100 bar	RF50GT D302	85070302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/160 bar	RF50GT D302	85071302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/250 bar	RF50GT D302	85072302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/400 bar	RF50GT D302	85073302GT
50 mm	G¼B	Bottom	Stainless steel 304	1,6	0/315 bar	RF50GT D302	85079302GT

Blue part no. = in-stock items

RF63GT D302

Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/0 bar	RF63GT D302	85101302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+0.6 bar	RF63GT D302	85102302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+1.5 bar	RF63GT D302	85103302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+3 bar	RF63GT D302	85104302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+5 bar	RF63GT D302	85105302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+9 bar	RF63GT D302	85106302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	-1/+15 bar	RF63GT D302	85107302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/0.6 bar	RF63GT D302	85109302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1 bar	RF63GT D302	85110302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/1.6 bar	RF63GT D302	85111302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/2.5 bar	RF63GT D302	85112302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/4 bar	RF63GT D302	85113302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/6 bar	RF63GT D302	85114302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/10 bar	RF63GT D302	85115302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/16 bar	RF63GT D302	85116302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/25 bar	RF63GT D302	85117302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/40 bar	RF63GT D302	85118302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/60 bar	RF63GT D302	85119302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/100 bar	RF63GT D302	85120302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/160 bar	RF63GT D302	85121302GT

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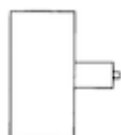
Housing ^ø	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/250 bar	RF63GT D302	85122302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/400 bar	RF63GT D302	85123302GT
63 mm	G¼B	Bottom	Stainless steel 304	1,6	0/315 bar	RF63GT D302	85129302GT

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RF50GT D311

Housing ^ø	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/0 bar	RF50GT D311	85051311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+0.6 bar	RF50GT D311	85052311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+1.5 bar	RF50GT D311	85053311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+3 bar	RF50GT D311	85054311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+5 bar	RF50GT D311	85055311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+9 bar	RF50GT D311	85056311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+15 bar	RF50GT D311	85057311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/0.6 bar	RF50GT D311	85059311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/1 bar	RF50GT D311	85060311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/1.6 bar	RF50GT D311	85061311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/2.5 bar	RF50GT D311	85062311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/4 bar	RF50GT D311	85063311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/6 bar	RF50GT D311	85064311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/10 bar	RF50GT D311	85065311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/16 bar	RF50GT D311	85066311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/25 bar	RF50GT D311	85067311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/40 bar	RF50GT D311	85068311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/60 bar	RF50GT D311	85069311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/100 bar	RF50GT D311	85070311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/160 bar	RF50GT D311	85071311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/250 bar	RF50GT D311	85072311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/315 bar	RF50GT D311	85073311GT
50 mm	G¼B	Centre back	Stainless steel 304	1,6	0/400 bar	RF50GT D311	85079311GT

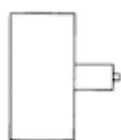
Blue part no. = in-stock items





RF63GT D311

	Housing ^ø	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/0 bar	RF63GT D311	85101311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+0.6 bar	RF63GT D311	85102311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+1.5 bar	RF63GT D311	85103311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+3 bar	RF63GT D311	85104311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+5 bar	RF63GT D311	85105311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+9 bar	RF63GT D311	85106311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	-1/+15 bar	RF63GT D311	85107311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/0.6 bar	RF63GT D311	85109311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/1 bar	RF63GT D311	85110311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/1.6 bar	RF63GT D311	85111311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/2.5 bar	RF63GT D311	85112311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/4 bar	RF63GT D311	85113311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/6 bar	RF63GT D311	85114311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/10 bar	RF63GT D311	85115311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/16 bar	RF63GT D311	85116311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/25 bar	RF63GT D311	85117311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/40 bar	RF63GT D311	85118311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/60 bar	RF63GT D311	85119311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/100 bar	RF63GT D311	85120311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/160 bar	RF63GT D311	85121311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/250 bar	RF63GT D311	85122311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/400 bar	RF63GT D311	85123311GT
	63 mm	G¼B	Centre back	Stainless steel 304	1,6	0/315 bar	RF63GT D311	85129311GT



Blue part no. = in-stock items