

DN	PN	pricked*	øD	part no.
2	400 bar	yes	5	9-946-02-00-012
2	630 bar	-	5	9-946-02-00-020
2	630 bar	yes	5	9-946-02-01-020
4	500 bar	yes	8	9-946-04-00-010

\*for inert gases

**technical data of the hose**

	DN 2	DN 2	DN 2	DN 4
nominal diameter	DN 2	DN 2	DN 2	DN 4
nominal pressure	400 bar	630 bar	630 bar	500 bar
inner material	PA	PA	PA	PA
reinforcement material	polyester fibre	aramid fibre	aramid fibre	aramid fibre
cover material	PA - pricked	PA	PA - pricked	PA - pricked
max. working pressure	400 bar	630 bar	630 bar	500 bar
min. bursting pressure	1200 bar	2000 bar	2000 bar	2000 bar
min. bending radius at working pressure	20 mm	20 mm	20 mm	40 mm
inner diameter	2 mm	2 mm	2 mm	4,1 mm
outer diameter	5 mm	5 mm	5 mm	8 mm
weight / meter	19 g	19 g	19 g	50 gr
temperature strength	-35 °C to +100 °C	-35 °C to +100 °C*	-35 °C to +100 °C	-35 °C to +100 °C
number for the type of hose	970	971	975	974
crimping diameter	7	7	7	9,9

\*for water and hydrous media up to +70 °C

**Check the functionality of the pressed fitting via the nipple incidence**

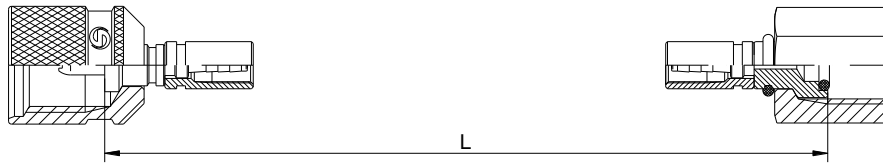
The specified values apply to components from our product range.

DN	crimping diameter (guide values) [mm]
2	7,0
4	9,9

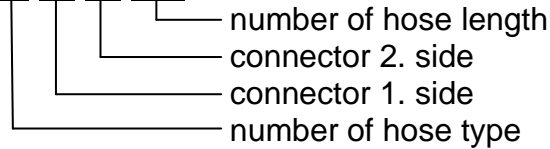
The crimping dimensions are guide values, which have to be adapted to the respective conditions by means of the mandrel test.

Note: Insert fittings dry

## construction of the SPRADOW order number for hose assemblies



**1-971-xx-xx-xxx-CF**



Please take the number for the first and second connector on the following pages.  
The lower number of both should be used first.

		number of hose length	
hose length	number for length	hose length	number for length
200 mm	010	800 mm	080
250 mm	020	1000 mm	090
300 mm	030	1500 mm	100
400 mm	040	2000 mm	110
500 mm	050	2500 mm	120
630 mm	060	3200 mm	130
750 mm	070	4000 mm	140


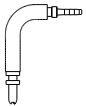
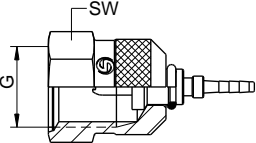
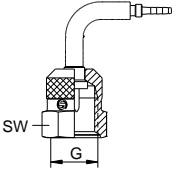
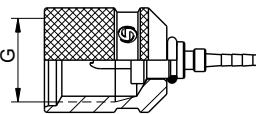
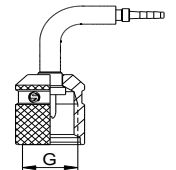
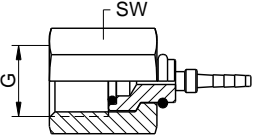
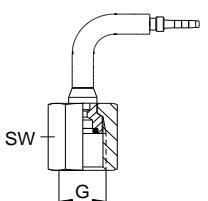
Should you need other length, please use «xxx» as a code on your purchase order or inquiry, putting the desired mm length in brackets. (Example: 1-971-02-04-xxx-CF (5000).)

The information on the definition of the hose assembly lengths and the twisting angle for elbow connectors, please see the annex.

## technical data of the hose fittings

material	steel, 1.0718 (stainless steel upon request)
sealings	NBR (other material upon request)

## connectors for hose

view	Nr.	G	SW / øD	DN	WP (bar)	without ferrule	description
	01			2	400	2-971-01-00-001-CF	connector for test coupling series: Steck
	01			4	400	2-971-01-04-001-CF	incl. Strap (DN2)
	16			2	400	2-971-16-00-001-CF	connector for test coupling series: Steck
	16			4	400	2-971-16-04-001-CF	90° elbow incl. Strap (DN2)
	03	M16x2	19	2	630	2-971-03-02-001-CF	connector for test coupling metal cap type A (universal)
	09	M16x1,5	19	2	630	2-971-09-02-001	incl. Strap (DN2)
	03	M16x2	19	4	630	2-971-03-04-001-CF	
	09	M16x1,5	19	4	630	2-971-09-04-001	
	0J	M16x2	19	2	630	2-971-0J-02-001-CF	connector for test coupling metal cap type A (universal)
	0Z	M16x1,5	19	2	630	2-971-0Z-02-001	90° elbow
	0J	M16x2	19	4	630	2-971-0J-04-001-CF	incl. Strap (DN2)
	0Z	M16x1,5	19	4	630	2-971-0Z-04-001	
	04	M16x2		2	630	2-971-04-02-001-CF	connector for test coupling metal cap type B (round) incl. Strap (DN2)
	10	M16x1,5		2	630	2-971-10-02-001	
	12	S12x1,5		2	630	2-971-12-02-001-CF	
	04	M16x2		4	630	2-971-04-04-001-CF	series 1604
	10	M16x1,5		4	630	2-971-10-04-001	
	12	S12x1,5		4	630	2-971-12-04-001-CF	
	50	M16x2		2	630	2-971-50-02-001-CF	connector for test coupling metal cap type B (round) 90° elbow incl. Strap (DN2)
	61	M16x1,5		2	630	2-971-61-02-001	
	57	S12x1,5		2	630	2-971-57-02-001-CF	
	50	M16x2		4	630	2-971-50-04-001-CF	
	61	M16x1,5		4	630	2-971-61-04-001	
	57	S12x1,5		4	630	2-971-57-04-001-CF	
	02	G 1/4	17	2	630	2-971-02-02-004-CF	pressure gauge connector with whitworth- or metric thread sealing to pressure gauge by o-ring
	25	G 1/2	27	2	630	2-971-25-02-001-CF	
	69	M14x1,5	17	2	630	2-971-69-02-001-CF	
	55	M20x1,5	27	2	630	2-971-55-02-001-CF	
	02	G 1/4	17	4	630	2-971-02-04-004-CF	
	25	G 1/2	27	4	630	2-971-25-04-001-CF	
	58	G 1/4	17	2	630	2-971-58-02-001-CF	pressure gauge connector with Whitworth - thread sealing to pressure gauge by o-ring 90° elbow
	54	G 1/2	27	2	630	2-971-54-02-001-CF	
	58	G 1/4	17	4	630	2-971-58-04-001-CF	
	54	G 1/2	27	4	630	2-971-54-04-001-CF	

Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.

## connectors for hose

view	no.	G	SW / øD	DN	WP (bar)	without ferrule	description
	26	1/4 NPT	17	2	-	2-971-26-00-001-CF	pressure gauge connector with NPT-thread
	27	1/2 NPT	27	2	-	2-971-27-00-001-CF	
	26	1/4 NPT	17	4	-	2-971-26-04-001-CF	
	27	1/2 NPT	27	4	-	2-971-27-04-001-CF	
	75		8	2	200	2-971-75-00-001-CF	ring connection to hollow screw (RGN)
	74		10	2	200	2-971-74-00-001-CF	
	2C		14	2	200	2-971-2C-02-001-CF	
	75		8	4	200	2-971-75-04-001-CF	
	74		10	4	200	2-971-74-04-001-CF	
	2C		14	4	200	2-971-2C-04-001-CF	
	19	M12x1,5	6L	2	415	2-971-19-02-001-CF	seal cone with o-ring and swivel nut for 24° cone fitting (DKO)
	20	M14x1,5	6S	2	630	2-971-20-02-001-CF	
	21	M14x1,5	8L	2	400	2-971-21-02-001-CF	
	22	M16x1,5	8S	2	630	2-971-22-02-001-CF	
	23	M16x1,5	10L	2	350	2-971-23-02-001-CF	
	24	M18x1,5	10S	2	630	2-971-24-02-001-CF	
	19	M12x1,5	6L	4	415	2-971-19-04-001-CF	
	20	M14x1,5	6S	4	630	2-971-20-04-001-CF	
	21	M14x1,5	8L	4	400	2-971-21-04-001-CF	
	22	M16x1,5	8S	4	630	2-971-22-04-001-CF	
	23	M16x1,5	10L	4	350	2-971-23-04-001-CF	
	24	M18x1,5	10S	4	630	2-971-24-04-001-CF	
	44	M12x1,5	6L	2	415	2-971-44-02-001-CF	seal cone with o-ring and swivel nut for 24° cone fitting (DKO) 90° elbow
	45	M14x1,5	6S	2	630	2-971-45-02-001-CF	
	46	M14x1,5	8L	2	400	2-971-46-02-001-CF	
	47	M16x1,5	8S	2	630	2-971-47-02-001-CF	
	48	M16x1,5	10L	2	350	2-971-48-02-001-CF	
	49	M18x1,5	10S	2	630	2-971-49-02-001-CF	
	44	M12x1,5	6L	4	415	2-971-44-04-001-CF	
	45	M14x1,5	6S	4	630	2-971-45-04-001-CF	
	46	M14x1,5	8L	4	400	2-971-46-04-001-CF	
	47	M16x1,5	8S	4	630	2-971-47-04-001-CF	
	48	M16x1,5	10L	4	350	2-971-48-04-001-CF	
	49	M18x1,5	10S	4	630	2-971-49-04-001-CF	
	64		4	2	100	2-971-64-00-001-CF	standpipe for use with nut and ring (BE) acc. to DIN 2353
	13		6	2	630 (only with S-nut)	2-971-13-00-001-CF	
	15		8	2	630 (only with S-nut)	2-971-15-00-001-CF	
	64		4	4	100	2-971-64-04-001-CF	
	13		6	4	630 (only with S-nut)	2-971-13-04-001-CF	
	15		8	4	630 (only with S-nut)	2-971-15-04-001-CF	
	28		6	2	630 (only with S-nut)	2-971-28-00-001-CF	standpipe for use with nut and ring (BE) acc. to DIN 2353 90° elbow
	94		8	2	630 (only with S-nut)	2-971-94-00-001-CF	
	28		6	4	630 (only with S-nut)	2-971-28-04-001-CF	
	94		8	4	630 (only with S-nut)	2-971-94-04-001-CF	

Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.

## connectors for hose

view	no.	G	SW / øD	DN	WP (bar)	without ferrule	description
	32	M12x1,5	17	2	400	2-971-32-00-001-CF	connector with male thread (AGM/AGR) acc. to DIN 3852
	33	G 1/8 A	14	2	250	2-971-33-00-001-CF	
	34	G 1/4 A	19	2	400	2-971-34-00-001-CF	
	32	M12x1,5	17	4	400	2-971-32-04-001-CF	
	33	G 1/8 A	14	4	250	2-971-33-04-001-CF	
	34	G 1/4 A	19	4	400	2-971-34-04-001-CF	

	35	1/8 NPT	12	2	-	2-971-35-00-001-CF	connector with male thread (AGN) acc. to ANSI-Norm
	36	1/4 NPT	17	2	-	2-971-36-00-001-CF	
	35	1/8 NPT	12	4	-	2-971-35-04-001-CF	
	36	1/4 NPT	17	4	-	2-971-36-04-001-CF	

	41	7/16 UNF	14	2	310	2-971-41-02-001-CF	connector to fit male connection acc. to SAE J514 (DKJ)
	42	1/2 UNF	17	2	275	2-971-42-02-001-CF	
	43	9/16 UNF	19	2	275	2-971-43-02-001-CF	
	41	7/16 UNF	14	4	310	2-971-41-04-001-CF	
	42	1/2 UNF	17	4	275	2-971-42-04-001-CF	
	43	9/16 UNF	19	4	275	2-971-43-04-001-CF	

	0K	7/16 UNF	14	2	310	2-971-0K-02-001-CF	connector to fit male connection acc. to SAE J514 (DKJ) 90° elbow
	1E	9/16 UNF	19	2	275	2-971-1E-02-001-CF	
	0K	7/16 UNF	14	4	310	2-971-0K-04-001-CF	
	1E	9/16 UNF	19	4	275	2-971-1E-04-001-CF	

	37	7/16 UNF	14	2	345	2-971-37-00-001-CF	connector with male thread acc. to SAE J514 (AGJ)
	38	1/2 UNF	17	2	345	2-971-38-00-001-CF	
	39	9/16 UNF	19	2	345	2-971-39-00-001-CF	
	37	7/16 UNF	14	4	345	2-971-37-04-001-CF	
	38	1/2 UNF	17	4	345	2-971-38-04-001-CF	
	39	9/16 UNF	19	4	345	2-971-39-04-001-CF	

	60	G1/8	14	2	350	2-971-60-02-001-CF	connector with 60° cone (DKR) acc. BS5200
	40	G1/4	17	2	630	2-971-40-02-001-CF	
	60	G1/8	14	4	350	2-971-60-04-001-CF	
	40	G1/4	17	4	630	2-971-40-04-001-CF	

	L	DA	DI	BLD	PM	DN	part no.	ferrule (The crimping diameter PM are guide values, which have to be adapted to the respective conditions by means of mandrel testing.)
	14	8	5,6	4,5	7	2	4-999-03-01-160-CF	
	17	11,5	8,4	7	9,9	4	6-999-03-01-010-CF	

	L	DI	DN	part no.	bend protection
	50	7	2	4-946-00-05-020	
	50	10	4	4-946-00-05-030	

	DN	part no.	strap
	2	4-934-00-08-170	

Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.