

TEST 20 TYPE SMK (M 16 X 2)

- Test Coupling SMKT2-4
- SMK JIC & ORFS ConnectionsT5
- Test Hoses SMST6
- Adaptor SADT6
- Bulkhead SSKT7
- Gauge Adaptor SMA + SMDT7
- Swivel Run Tees SGVT7

TEST 20 TYPE SKK (M 16 x 2)

- Test Coupling SKKT8-10

TEST 15 TYPE SMK (M 16 x 1,5)

- Test Coupling SMKT11-13
- Test Hoses SMST14
- Gauge Adaptor SMAT14
- Bulkhead SSKT15
- Gauge Adaptor SMDT15
- Swivel Run Tees SGVT15

TEST 12 TYPE SKK (S 12,65 x 1,5)

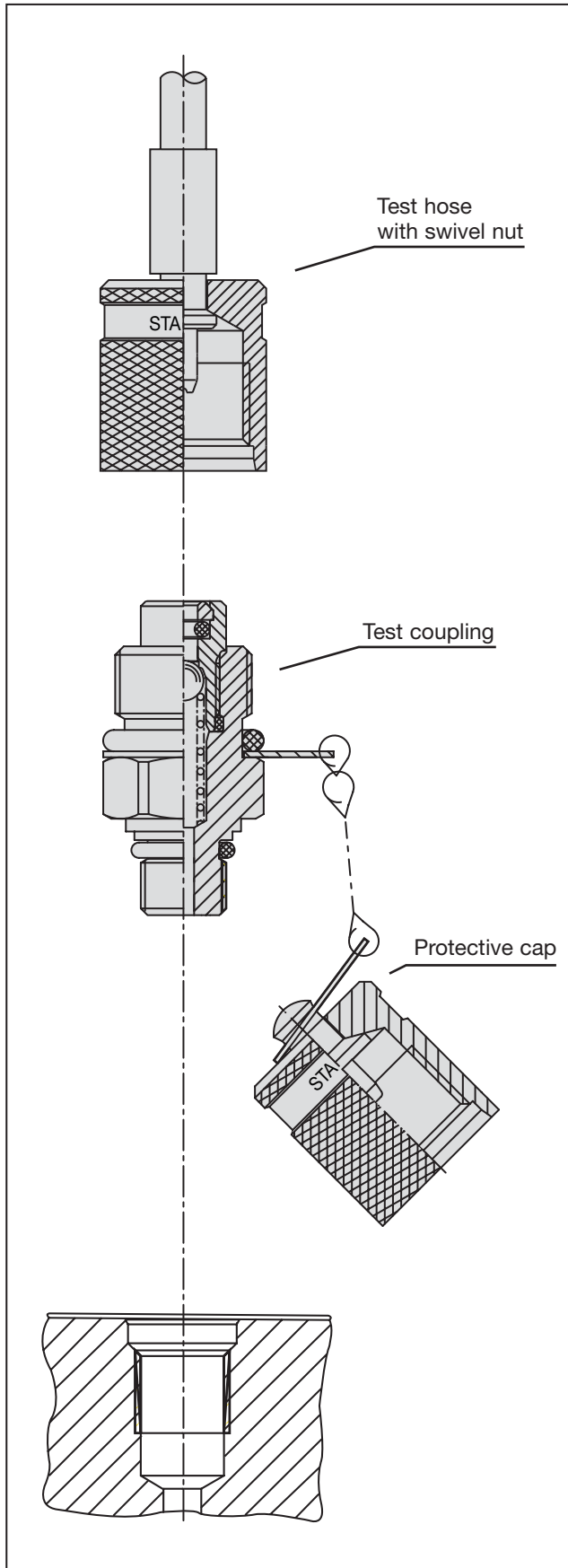
- Test Coupling SKKT16-18
- Test Hoses SMST19
- Adaptor SADT19
- Bulkhead SSKKT20
- Gauge Adaptors SMA + SMDT20
- Swivel Run Tees SGVT20

TEST 10 (PLUG IN SYSTEM)

- Test Coupling SMKT21-22
- Test Hoses SMST23
- Gauge Adaptor SMAT23

TEST HOSES

- DN 2 /DN 4T24
- End ConnectionsT25-28
- Thread Adaptor - SRS SeriesT29
- Welding Adaptor - SAS SeriesT30
- Sampling Hose Adaptor - SHA SeriesT30
- Union Adaptor - SSV SeriesT30



Fast Coupling for:

- Monitoring and control of pressure
- Venting
- Sampling Fluids

Advantages:

- Test system at working pressure
- Connection is leakproof before **ball check** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap
- Minimizes introduction of contamination into hydraulic systems

Working Pressure:

- Max. working pressure 9000 PSI (630 bar)
For SMK style G, K and S the recommended working pressure of fitting manufacturer should be noted
- Connection under pressure up to 5800 PSI (400 bar) max.

Materials:

- Metal parts: Steel, Stainless Steel on request
- Ball: Stainless Steel
- Seals:

Standard

V = FPM-VITON Temperature range – 4°F to +392°F
(– 20° C to +200° C)

Optional

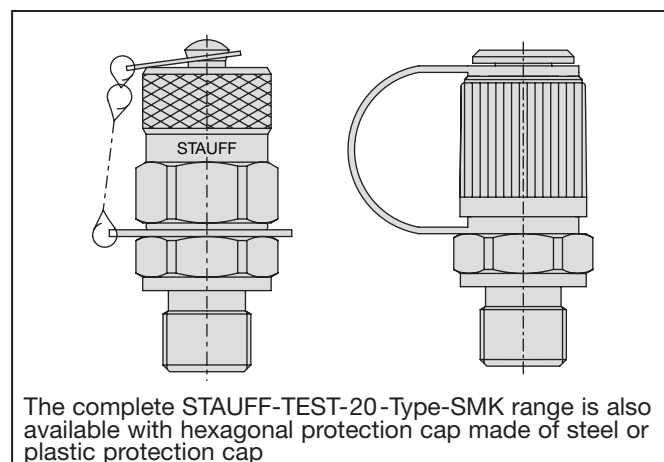
P = NBR-BUNA Temperature range – 4°F to +195°F
(– 20° C to +90° C)

E = EPDM Ethylene Propylene (for Brake Fluid)
Temperature range – 40°F to +302°F
(– 40° C to + 150° C)

- Hose: Polyamide Temperature range –31°F to +212°F
(–35° C to +100° C)

Media:

- Suitable for hydraulic oils and other mineral based fluids (Check compatibility of seal material)
- For use with other liquid media, low viscosity media or gaseous media please consult STAUFF details
- SMK20 - 1/4" NPT - VD-ETG version available for severe shock / vibration applications



The complete STAUFF-TEST-20-Type-SMK range is also available with hexagonal protection cap made of steel or plastic protection cap

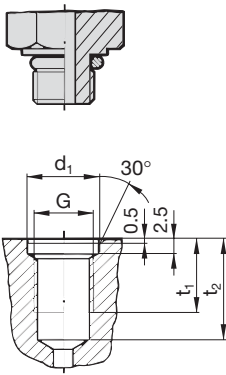
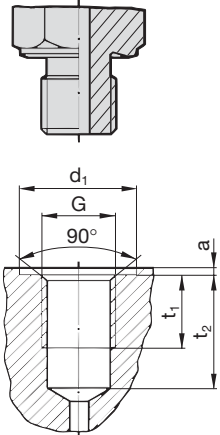
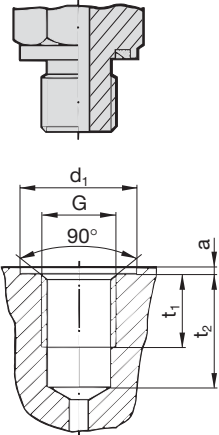
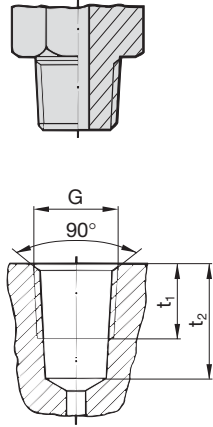
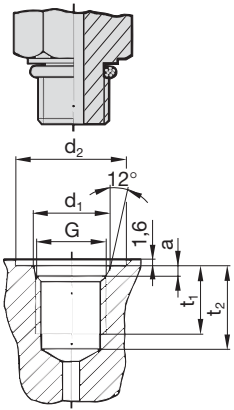
Test Coupling with Protective Cap SMK

	Thread G	h	Hex	Order No.		Seal Type (see below)
		mm in	mm in	NBR (BUNA)	FPM (VITON) (Standard)	
	M8 x 1	37 1.46	17 0.67	SMK 20 – M8 x 1 – PA	SMK 20 – M8 x 1 – VA	O-Ring Type A
	M10 x 1	37 1.46	17 0.67	SMK 20 – M10 x 1 – PA	SMK 20 – M10 x 1 – VA	O-Ring Type A
	M12 x 1,5	37 1.46	17 0.67	SMK 20 – M12 x 1.5 – PC	SMK 20 – M12 x 1.5 – VC	O-Ring Type C
	M14 x 1,5	37 1.46	19 0.75	SMK 20 – M14 x 1.5 – PB	SMK 20 – M14 x 1.5 – VB	Metal joint Type B
	M16 x 1,5	37 1.46	22 0.87	SMK 20 – M16 x 1.5 – PB	SMK 20 – M16 x 1.5 – VB	Metal joint Type B
	G 1/8	39 1.54	17 0.67	SMK 20 – G 1/8 – PC	SMK 20 – G 1/8 – VC	O-Ring Type C
	G 1/4	37 1.46	19 0.75	SMK 20 – G 1/4 – PB	SMK 20 – G 1/4 – VB	Metal joint Type B
	G 3/8	37 1.46	19 0.75	SMK 20 – G 3/8 – PC	SMK 20 – G 3/8 – VC	O-Ring Type C
	G 1/2	37 1.46	22 0.87	SMK 20 – G 1/2 – PB	SMK 20 – G 1/2 – VB	Metal joint Type B
	R 1/8 taper	37 1.46	17 0.67	SMK 20 – R 1/8 K-PD	SMK 20 – R 1/8 K-VD	Taper Type D
	R 1/4 taper	36 1.42	17 0.67	SMK 20 – R 1/4 K-PD	SMK 20 – R 1/4 K-VD	Taper Type D
	1/8 NPT	36 1.42	17 0.67	SMK 20 – 1/8 NPT-PD	SMK 20 – 1/8 NPT-VD	Taper Type D
	1/4 NPT	35 1.38	17 0.67	SMK 20 – 1/4 NPT-PD	SMK 20 – 1/4 NPT-VD	Taper Type D
	5/16 – 24 UNF	38 1.50	17 0.67	SMK 20 – 5/16 UNF-PE	SMK 20 – 5/16 UNF-VE	O-Ring Type E
	7/16 – 20 UNF	38 1.50	17 0.67	SMK 20 – 7/16 UNF-PE	SMK 20 – 7/16 UNF-VE	O-Ring Type E
	1/2 – 20 UNF	38 1.50	17 0.67	SMK 20 – 1/2 UNF-PE	SMK 20 – 1/2 UNF-VE	O-Ring Type E
	9/16 – 18 UNF	37 1.46	19 0.75	SMK 20 – 9/16 UNF-PE	SMK 20 – 9/16 UNF-VE	O-Ring Type E
	3/4 – 16 UNF	37 1.46	19 0.75	—	SMK 20 – 3/4 UNF-VE	O-Ring Type E

To order hexagonal protection cap, add "SK" to part number. To order Plastic Protection cap, add "KK" to part number.
Other port connections and seals on request.

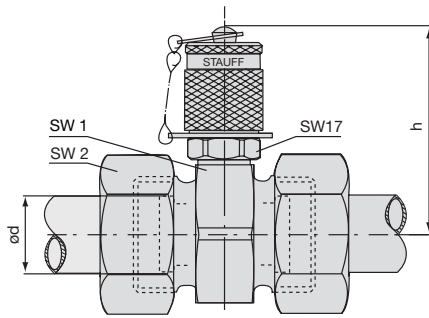
TEST

Port Connections and Seals

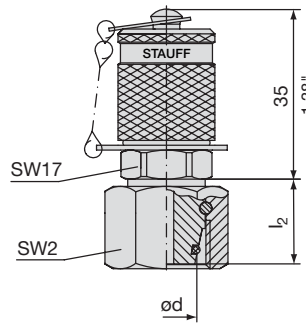
Type A	Type B	Type C	Type D	Type E (ISO 6149)																			
																							
G	d ₁	t ₁	t ₂	G	d ₁	t ₁	t ₂	a	G	d ₁	t ₁	t ₂	a	G	t ₁	t ₂	G	d ₁	d ₂	t ₁	t ₂	a	
	mm	mm	mm		mm	mm	mm	mm		mm	mm	mm	mm		mm	mm			mm	mm	mm	mm	mm
	in	in	in		in	in	in	in		in	in	in	in		in	in			in	in	in	in	in
M 8 x 1	9,5	11	15,5	M 14 x 1,5	20	12	18,5	1,5	M 12 x 1,5	18	12	18,5	1,5	R 1/8 taper	5,5	9,5	5/16 – 24 UNF	9,1	17	10	12	1,9	
	0.37	0.43	0.61		0.79	0.47	0.73	0.06		0.71	0.47	0.73	0.06		0.22	0.37		0.36	0.67	0.39	0.47	0.07	
M 10 x 1	11,5	12	16,5	M 16 x 1,5	22	12	18,5	1,5	G 1/8	15	8	13	1,0	R 1/4 taper	8,5	13,5	7/16 – 20 UNF	12,4	21	11,5	14	2,4	
	0.45	0.47	0.65		0.87	0.47	0.73	0.06		0.59	0.31	0.51	0.04		0.33	0.53		0.49	0.83	0.45	0.55	0.09	
M 10 x 1.25	11,5	12	16,5	G 1/4	19	12	18,5	1,5	G 1/4	19	12	18,5	1,5	1/8 NPT	6,9	11,6	1/2 – 20 UNF	14	23	11,5	14	2,4	
	0.45	0.47	0.65		0.75	0.47	0.73	0.06		0.75	0.47	0.73	0.06		0.27	0.46		0.55	0.91	0.45	0.55	0.09	
				G 3/8	23	12	18,5	2						1/4 NPT	10	16,4	5/16 – 18 UNF	15,6	25	12,7	15,5	2,5	
					0.91	0.47	0.73	0.08							0.39	0.65		0.61	0.98	0.50	0.61	0.10	
																		20,6	30,5	14,3	17,5	2,5	
																		0.81	1.20	0.56	0.69	0.10	

Test Coupling SMK (Compression Ring Fittings acc. to DIN 2353) - Metric Tubing

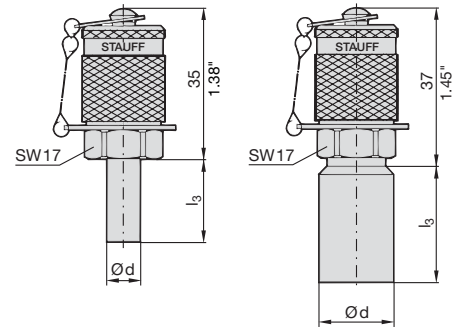
TEST



Type G Test coupling complete with straight fitting



Type K Test coupling for 24° cone fittings



Type S Test coupling for compression ring assembly

Series	PN	Pipe Ød	l ₂		l ₃		h		SW 1		SW 2		Order No.*		
			mm	in	mm	in	mm	in	mm	in	mm	in	Type G	Type K	Type S
L	315	6	15,5	0.61	20	0.79	49	1.93	24	0.94	14	0.55	SMK 20 – 6L-VG	SMK 20 – 6L-VK	SMK 20 – 6-VS
		8	15,5	0.61	20	0.79	49	1.93	24	0.94	17	0.67	SMK 20 – 8L-VG	SMK 20 – 8L-VK	SMK 20 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	19	0.75	SMK 20 – 10L-VG	SMK 20 – 10L-VK	SMK 20 – 10-VS
		12	17,5	0.69	22	0.87	50,5	1.99	27	1.06	22	0.87	SMK 20 – 12L-VG	SMK 20 – 12L-VK	SMK 20 – 12-VS
		15	21	0.83	25	0.98	52	2.05	30	1.18	27	1.06	SMK 20 – 15L-VG	SMK 20 – 15L-VK	SMK 20 – 15-VS
		18	19,5	0.77	28	1.10	53	2.09	32	1.26	32	1.26	SMK 20 – 18L-VG	SMK 20 – 18L-VK	SMK 20 – 18-VS
	160	22	20,5	0.81	30	1.18	55	2.17	36	1.42	36	1.42	SMK 20 – 22L-VG	SMK 20 – 22L-VK	SMK 20 – 22-VS
		28	25	0.98	32	1.26	57,5	2.26	41	1.61	41	1.61	SMK 20 – 28L-VG	SMK 20 – 28L-VK	SMK 20 – 28-VS
		35	30	1.18	42	1.65	60	2.36	46	1.81	50	1.97	SMK 20 – 35L-VG	SMK 20 – 35L-VK	SMK 20 – 35-VS
		42	31	1.22	45	1.77	64,5	2.54	55	2.17	60	2.36	SMK 20 – 42L-VG	SMK 20 – 42L-VK	SMK 20 – 42-VS
S	630	6	14,5	0.57	20	0.79	49	1.93	24	0.94	17	0.67	SMK 20 – 6S-VG	SMK 20 – 6S-VK	SMK 20 – 6-VS
		8	16,5	0.65	20	0.79	49	1.93	24	0.94	19	0.75	SMK 20 – 8S-VG	SMK 20 – 8S-VK	SMK 20 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	22	0.87	SMK 20 – 10S-VG	SMK 20 – 10S-VK	SMK 20 – 10-VS
		12	17,5	0.69	22	0.87	49	1.93	24	0.94	24	0.94	SMK 20 – 12S-VG	SMK 20 – 12S-VK	SMK 20 – 12-VS
		14	19,5	0.77	22	0.87	50,5	1.99	27	1.06	27	1.06	SMK 20 – 14S-VG	SMK 20 – 14S-VK	SMK 20 – 14-VS
		16	18	0.71	28	1.10	52	2.05	30	1.18	30	1.18	SMK 20 – 16S-VG	SMK 20 – 16S-VK	SMK 20 – 16-VS
	400	20	24	0.94	30	1.18	55	2.17	36	1.42	36	1.42	SMK 20 – 20S-VG	SMK 20 – 20S-VK	SMK 20 – 20-VS
		25	26	1.02	36	1.42	57,5	2.26	41	1.61	46	1.81	SMK 20 – 25S-VG	SMK 20 – 25S-VK	SMK 20 – 25-VS
		30	30	1.18	41	1.61	60	2.36	46	1.81	50	1.97	SMK 20 – 30S-VG	SMK 20 – 30S-VK	SMK 20 – 30-VS
		38	34	1.34	48	1.89	64,5	2.54	55	2.17	60	2.36	SMK 20 – 38S-VG	SMK 20 – 38S-VK	SMK 20 – 38-VS

* For EPDM seals replace "V" with "E"

Test Coupling SMK – JIC Connection (to SAE-J514)

Type 1

Type 2

Pipe Size inch	JIC Size	G UNF	H		SW 1	SW 2	Type	Order No.	H		SW	L mm	I mm	Order No.
			mm	inch					mm	inch				
1/4"	- 4	7/16" - 20	52	2.0	17	17	1	SMK20-JIC1/4-VK	61	2.4	24	43	14	SMK20-JIC1/4-VG
5/16"	- 5	1/2" - 20	53	2.0	17	17	1	SMK20-JIC5/16-VK	61	2.4	24	43	14	SMK20-JIC5/16-VG
3/8"	- 6	9/16" - 18	55	2.1	19	17	1	SMK20-JIC3/8-VK	61	2.4	24	43.2	14.1	SMK20-JIC3/8-VG
1/2"	- 8	3/4" - 16	56	2.2	22	19	1	SMK20-JIC1/2-VK	67	2.6	30	48.4	16.7	SMK20-JIC1/2-VG
5/8"	- 10	7/8" - 14	59	2.3	27	22	1	SMK20-JIC5/8-VK	67	2.6	30	53.6	19.3	SMK20-JIC5/8-VG
3/4"	- 12	1-1/16" - 12	70	2.7	32		2	SMK20-JIC3/4-VK	73	2.8	36	58.8	21.9	SMK20-JIC3/4-VG
1"	- 16	1-5/16" - 12	69	2.7	38		2	SMK20-JIC1-VK	78	3.0	41	61.2	23.1	SMK20-JIC1-VG
1 1/4"	- 20	1-5/8" - 12	72	2.8	50		2	SMK20-JIC1 1/4-VK	83	3.3	46	65.6	24.3	SMK20-JIC1 1/4-VG
1 1/2"	- 24	1-7/8" - 12	75	2.9	60		2	SMK20-JIC1 1/2-VK	92	3.6	55	72	27.5	SMK20-JIC1 1/2-VG

Test Coupling SSK/SMK – ORFS Connection

Technical drawing of Type 1 coupling. The drawing shows a cross-section of the coupling with dimensions H (total height), L (height of the hexagonal part), M16 (thread size), STA (seal area), hex 1 (top hexagonal part), hex 2 (bottom hexagonal part), and Thread G (threaded part).

Type 1

Technical drawing of Type 2 coupling. The drawing shows a cross-section of the coupling with dimensions H (total height), L (height of the hexagonal part), M15 (thread size), STA (seal area), hex 1 (top hexagonal part), hex 2 (bottom hexagonal part), and Thread G (threaded part).

Type 2

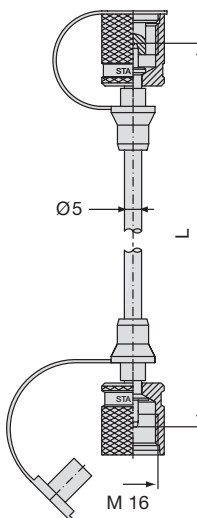
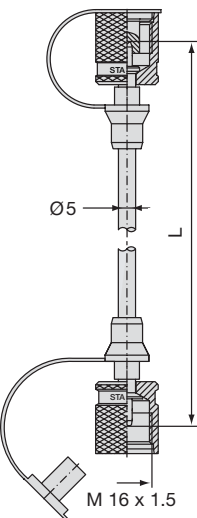
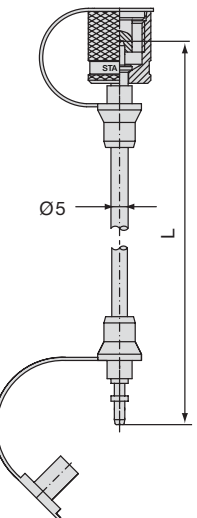
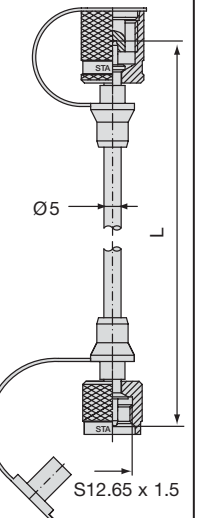
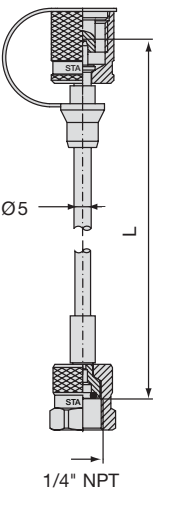
Order Number	Type	Thread G	H		L		Hex 1		Hex 2	
			mm	in	mm	in	mm	in	mm	in
SSK20-04-ORFS-V	2	9/16" – 18 UNF	75	2.9	36	1.40	22	0.87	22	0.87
SSK20-06-ORFS-V	2	11/16" – 16 UNF	75	2.9	36	1.40	27	1.06	27	1.06
SSK20-08-ORFS-V	2	13/16" – 16 UNF	75	2.9	36	1.40	30	1.20	30	1.20
SMK20-04-ORFS-V	1	9/16" – 18 UNF	54	2.1	19	0.75	17	0.67	17	0.67
SMK20-06-ORFS-V	1	11/16" – 16 UNF	54	2.1	19	0.75	19	0.75	21	0.80
SMK20-08-ORFS-V	1	13/16" – 16 UNF	54	2.1	19	0.75	22	0.87	24	0.87

* For EPDM seals replace "V" with "E"

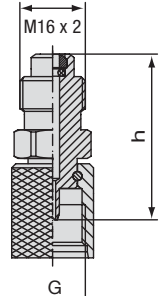
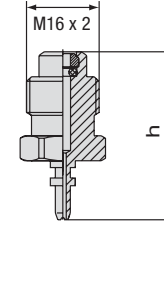
* For EPDM seals replace "V" with "E"

Test Hose SMS (for gaseous media Specify Type SGS)

TEST

Max. working pressure 9000 PSI (630 bar) Test hose: Nominal bore 0.08" (2 mm) Minimum bending radius 0.75" (20 mm) Nominal bore 0.16" 4 mm also available Pressure/t° factor: to 0°C 122 % at 30°C 110 % at 50°C 100 % at 80°C 86 % at 100°C 77 % Hose construction: Hose-core and -cover PA Reinforcement: Synthetic fibre Bursting pressure: 27,000 PSI (1900 bar)	Stauff-Test 20/20		Stauff-Test 15/20		Stauff-Test 10/20		Stauff-Test 12/20 ⁽²⁾		Stauff-Test 20/N¹/₄ ⁽³⁾		
											
	Ø5		Ø5		Ø5		Ø5		Ø5		
	M 16		M 16 x 1.5				S12.65 x 1.5		1/4" NPT		
	STAUFF-TEST 20		STAUFF-TEST 15		STAUFF-TEST 10		STAUFF-TEST 12		GAUGE ADAPTOR		
Length L⁽¹⁾		Order No.									
in	mm										
12	305	SMS-20 – 305mm-B	SMS-15/20 – 305mm-B	SMS-10/20 – 305mm-B	SMS-12/20 – 305mm-B	SMS-20/N ¹ / ₄ – 305mm-B					
24	610	SMS-20 – 610mm-B	SMS-15/20 – 610mm-B	SMS-10/20 – 610mm-B	SMS-12/20 – 610mm-B	SMS-20/N ¹ / ₄ – 610mm-B					
36	915	SMS-20 – 915mm-B	SMS-15/20 – 915mm-B	SMS-10/20 – 915mm-B	SMS-12/20 – 915mm-B	SMS-20/N ¹ / ₄ – 915mm-B					
48	1219	SMS-20 – 1219mm-B	SMS-15/20 – 1219mm-B	SMS-10/20 – 1219mm-B	SMS-12/20 – 1219mm-B	SMS-20/N ¹ / ₄ – 1219mm-B					
60	1524	SMS-20 – 1524mm-B	SMS-15/20 – 1524mm-B	SMS-10/20 – 1524mm-B	SMS-12/20 – 1524mm-B	SMS-20/N ¹ / ₄ – 1524mm-B					
72	1829	SMS-20 – 1829mm-B	SMS-15/20 – 1829mm-B	SMS-10/20 – 1829mm-B	SMS-12/20 – 1829mm-B	SMS-20/N ¹ / ₄ – 1829mm-B					
96	2438	SMS-20 – 2438mm-B	SMS-15/20 – 2438mm-B	SMS-10/20 – 2438mm-B	SMS-12/20 – 2438mm-B	SMS-20/N ¹ / ₄ – 2438mm-B					
120	3048	SMS-20 – 3048mm-B	SMS-15/20 – 3048mm-B	SMS-10/20 – 3048mm-B	SMS-12/20 – 3048mm-B	SMS-20/N ¹ / ₄ – 3048mm-B					
Custom lengths available on request											
⁽¹⁾ Bending protection and other lengths on request			⁽²⁾ Special thread: buttress thread S12,65 x 1,5			⁽³⁾ Gauge adaptor G ¹ / ₄ , G ¹ / ₂ and ¹ / ₂ NPT on request					

Transition Adaptor SAD

 Type A	 Type B	G	h	Type	Order No.	
					NBR (BUNA)	FPM (VITON)
M16 x 2	M16 x 2	in	mm	A	SAD 20/15-P	SAD 20/15-V
					SAD 20/10-P	SAD 20/10-V
plug in		1.45	37	B		
S12 ¹⁾		1.53	39	A	SAD 20/12-P	SAD 20/12-V
¹⁾ Special thread: buttress thread S12,65 x 1,5						

Bulkhead SSK (for gaseous medium use type SSKK)

G	h		Type	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
M16	72	2.8	A	SSK 20-P	SSK 20-V
M16 x 1.5 ¹⁾	72	2.8	B	SSK 20/08 S-P	SSK 20/08 S-V
M18 x 1.5 ¹⁾	72	2.8	B	SSK 20/12 L-P	SSK 20/12 L-V
7/16 UNF (- 4 JIC)	63	2.48	A	N/A	SSK20- 7/16 JIC-MV

¹⁾ Compression ring assembly 8 S/12 L acc. to DIN 2353

Gauge Adaptor SMA

G	h		SW	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
G 1/4	54	2.12	19	SMA 20 - G 1/4 - P-OR	SMA 20 - G 1/4 - V-OR
G 1/2	64	2.52	27	SMA 20 - G 1/2 - P-OR	SMA 20 - G 1/2 - V-OR
1/4 NPT	54	2.12	19	SMA 20 - 1/4 NPT-P	SMA 20 - 1/4 NPT-V
1/2 NPT	64	2.52	27	SMA 20 - 1/2 NPT-P	SMA 20 - 1/2 NPT-V

Snubber on request

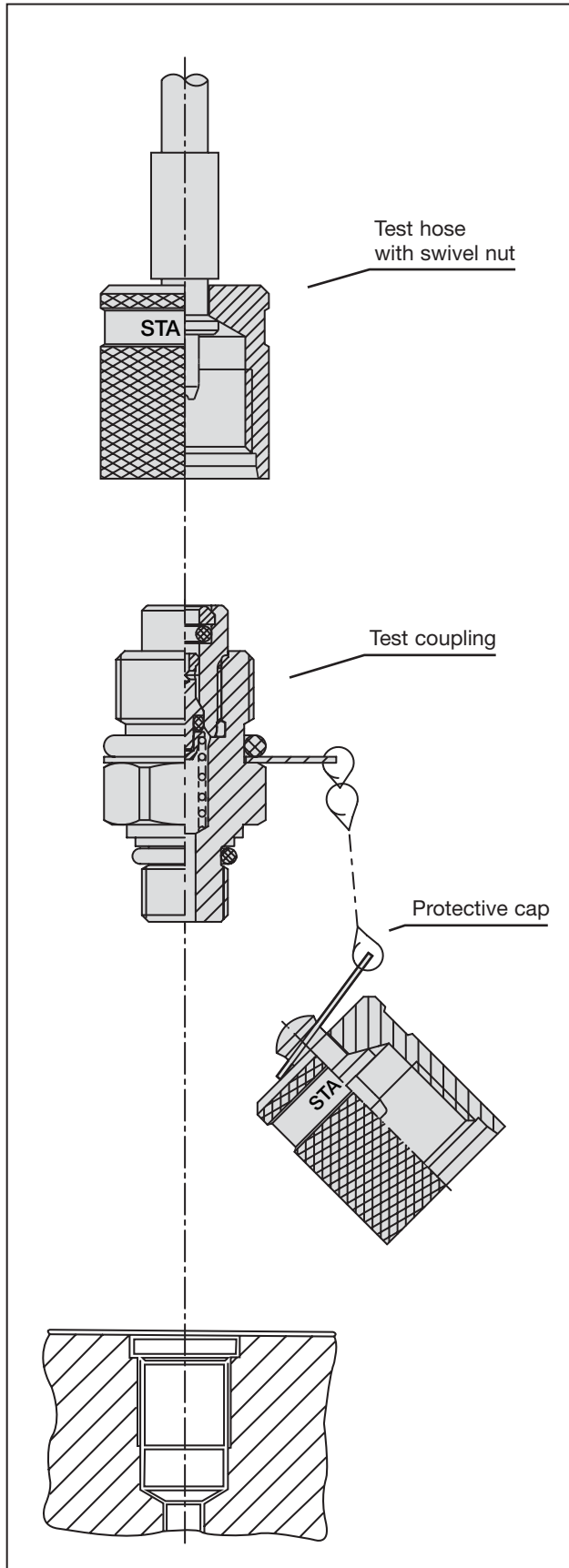
Direct Gauge Adaptor SMD

G	h		SW	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
G 1/4	41	1.61	19	SMD 20 - G 1/4 - P-OR	SMD 20 - G 1/4 - V-OR
G 1/2	51	2.0	27	SMD 20 - G 1/2 - P-OR	SMD 20 - G 1/2 - V-OR
1/4 NPT	41	1.61	19	SMD 20 - 1/4 NPT-P	SMD 20 - 1/4 NPT
1/2 NPT	51	2.0	27	SMD 20 - 1/2 NPT-P	SMD 20 - 1/2 NPT
				—	SMD 20 - 7/16 UNF
				—	SMD 20 - 9/16 UNF

Snubber on request

Swivel Run Tees SGV

Technical drawing of a JIC 20-04 fitting. The drawing shows a cross-section of the fitting with various dimensions and labels. Key dimensions include: 15 (0.59") for the top flange thickness, 7/16-20UNF for the top thread, 37° for the top flange angle, 37° for the bottom flange angle, 15 (0.59") for the bottom flange thickness, 15 (0.59") for the bottom flange diameter, 15 (0.59") for the bottom flange length, 15 (0.59") for the bottom flange width, 15 (0.59") for the bottom flange height, 15 (0.59") for the bottom flange depth, 15 (0.59") for the bottom flange radius, 15 (0.59") for the bottom flange fillet, 15 (0.59") for the bottom flange chamfer, 15 (0.59") for the bottom flange bevel, 15 (0.59") for the bottom flange groove, 15 (0.59") for the bottom flange rib, 15 (0.59") for the bottom flange fillet, 15 (0.59") for the bottom flange chamfer, 15 (0.59") for the bottom flange bevel, 15 (0.59") for the bottom flange groove, 15 (0.59") for the bottom flange rib, 15 (0.59") for the bottom flange fillet, 15 (0.59") for the bottom flange chamfer, 15 (0.59") for the bottom flange bevel, 15 (0.59") for the 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Fast Coupling for:

- Monitoring and control of pressure
- Venting
- Sampling Fluids

Advantages:

- Coupling at system pressure level
- Connection is leakproof before **piston valve** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap
- Minimizes introduction of contamination to hydraulic systems

Working Pressure:

- Max. working pressure 9000 PSI (630 bar)
For SKK type G, K and S the recommended working pressure of fitting manufacturer should be noted
- Connection under pressure up to 5800 PSI (400 bar) max.

Materials:

- Metal parts: Steel, Stainless Steel on request

- Seals:

Standard

V = FPM-VITON Temperature range – 4°F to +392°F
(– 20° C to +200° C)

Optional

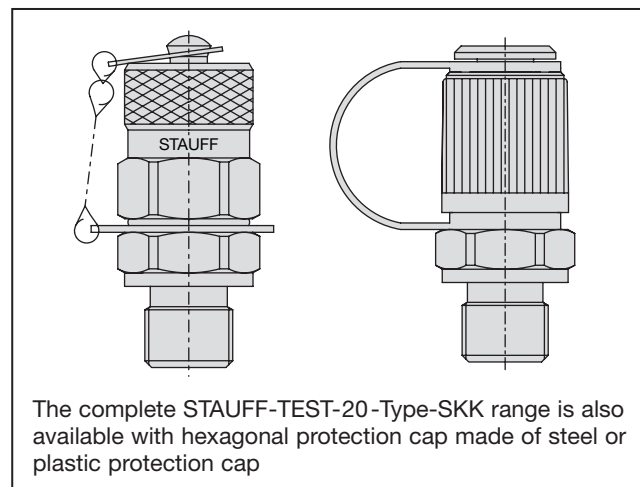
P = NBR-BUNA Temperature range – 4°F to +195°F
(– 20° C to +90° C)

E = EPDM Ethylene Propylene (for Brake Fluid)
Temperature range – 40°F to +302°F
(– 40° C to +150° C)

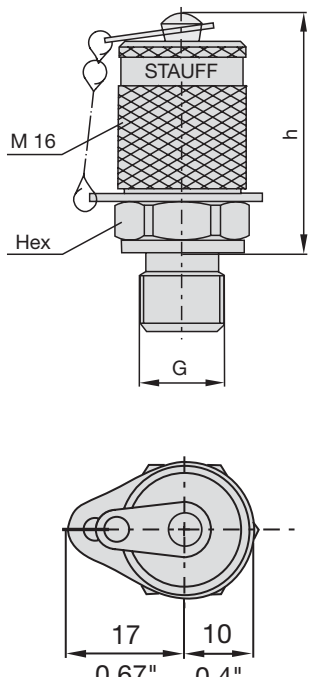
- Hose: Polyamide Temperature range –31°F to +212°F
(–35° C to +100° C)

Media:

- Suitable for hydraulic oils and other low viscosity mineral based fluids (Check compatibility of seal material)
- For use with other liquid or gaseous media please consult STAUFF for details

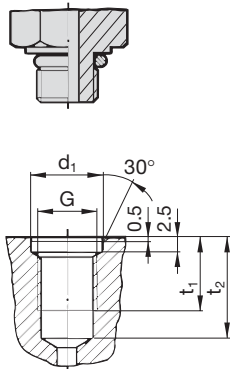
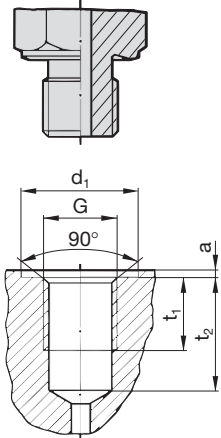
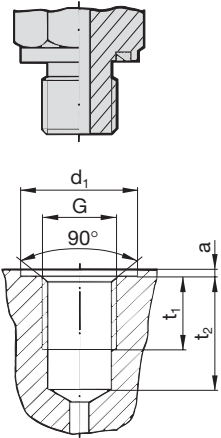
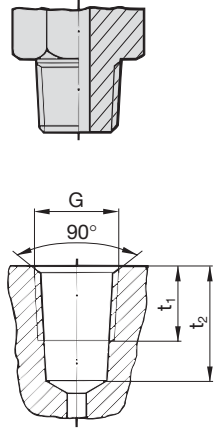
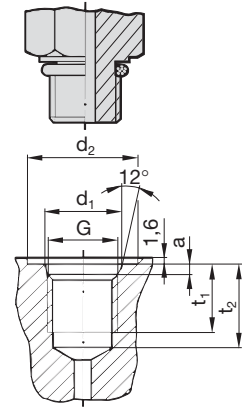


Test Coupling with Protective Cap SKK

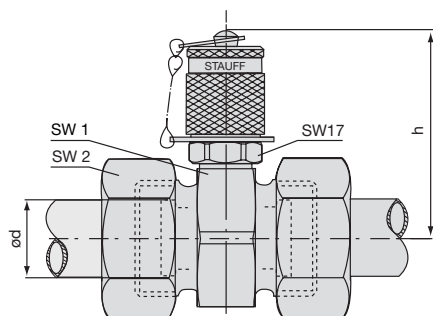
	Thread G	h mm in	Hex mm in	Order No.		Seal Type (see below)
				NBR (BUNA)	FPM (VITON) (Standard)	
	M8 x 1	37 1.45	17 .67	SKK 20 – M8 x 1 – PA	SKK 20 – M8 x 1 – VA	O-Ring Type A
	M10 x 1	37 1.45	17 .67	SKK 20 – M10 x 1 – PA	SKK 20 – M10 x 1 – VA	O-Ring Type A
	M12 x 1,5	37 1.45	17 .67	SKK 20 – M12 x 1,5 – PC	SKK 20 – M12 x 1,5 – VC	O-Ring Type C
	M14 x 1,5	37 1.45	19 .75	SKK 20 – M14 x 1,5 – PB	SKK 20 – M14 x 1,5 – VB	Metal joint Type B
	M16 x 1,5	37 1.45	22 .87	SKK 20 – M16 x 1,5 – PB	SKK 20 – M16 x 1,5 – VB	Metal joint Type B
	G 1/8	39 1.53	17 .67	SKK 20 – G 1/8 – PC	SKK 20 – G 1/8 – VC	O-Ring Type C
	G 1/4	37 1.45	19 .75	SKK 20 – G 1/4 – PB	SKK 20 – G 1/4 – VB	Metal joint Type B
	G 1/4	37 1.45	19 .75	SKK 20 – G 1/4 – PC	SKK 20 – G 1/4 – VC	O-Ring Type C
	G 3/8	37 1.45	22 .87	SKK 20 – G 3/8 – PB	SKK 20 – G 3/8 – VB	Metal joint Type B
	R 1/8 taper	37 1.45	17 .67	SKK 20 – R 1/8 K-PD	SKK 20 – R 1/8 K-VD	Taper Type D
	R 1/4 taper	36 1.41	17 .67	SKK 20 – R 1/4 K-PD	SKK 20 – R 1/4 K-VD	Taper Type D
	1/8 NPT	36 1.41	17 .67	SKK 20 – 1/8 NPT-PD	SKK 20 – 1/8 NPT-VD	Taper Type D
	1/4 NPT	35 1.38	17 .67	SKK 20 – 1/4 NPT-PD	SKK 20 – 1/4 NPT-VD	Taper Type D
	5/16 – 24 UNF	38 1.50	17 .67	SKK 20 – 5/16 UNF-PE	SKK 20 – 5/16 UNF-VE	O-Ring Type E
	7/16 – 20 UNF	38 1.50	17 .67	SKK 20 – 7/16 UNF-PE	SKK 20 – 7/16 UNF-VE	O-Ring Type E
	1/2 – 20 UNF	38 1.50	17 .67	SKK 20 – 1/2 UNF-PE	SKK 20 – 1/2 UNF-VE	O-Ring Type E
	9/16 – 18 UNF	37 1.45	19 .75	SKK 20 – 9/16 UNF-PE	SKK 20 – 9/16 UNF-VE	O-Ring Type E

To order hexagonal protection cap, add "SK" to part number. To order Plastic Protection cap, add "KK" to part number.
Other port connections and seals on request.

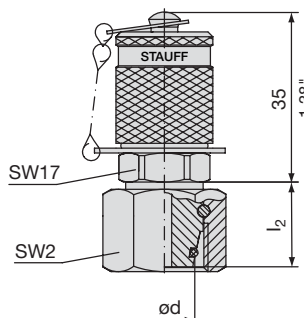
Port Connections and Seals

Type A	Type B	Type C	Type D	Type E (ISO 6149)																		
																						
G mm in	d₁ mm in	t₁ mm in	t₂ mm in	G mm in	d₁ mm in	t₁ mm in	t₂ mm in	a mm in	G mm in	d₁ mm in	t₁ mm in	t₂ mm in	a mm in	G mm in	t₁ mm in	t₂ mm in	G mm in	d₁ mm in	d₂ mm in	t₁ mm in	t₂ mm in	a mm in
M8 x 1	9,5 + 0,1 0,37	11 0,43	15,5 0,61	M14 x 1,5	20 0,79	12 0,47	18,5 0,73	1,5 0,06	M12 x 1,5	18 0,71	12 0,47	18,5 0,73	1,5 0,06	R 1/8 taper	5,5 0,22	9,5 0,37	5/16 – 24 UNF	9,1 0,36	17 0,67	10 0,39	12 0,47	1,9 0,07
M10 x 1	11,5 + 0,1 0,45	12 0,47	16,5 0,65	M16 x 1,5	22 0,87	12 0,47	18,5 0,73	1,5 0,06	G 1/8	15 0,59	8 0,31	13 0,51	1,0 0,04	R 1/4 taper	8,5 0,33	13,5 0,53	7/16 – 20 UNF	12,4 0,49	21 0,83	11,5 0,45	14 0,55	2,4 0,09
				G 1/4	19 0,75	12 0,47	18,5 0,73	1,5 0,06	G 1/4	19 0,75	12 0,47	18,5 0,73	1,5 0,06	1/8 NPT	6,9 0,27	11,6 0,46	1/2 – 20 UNF	14 0,55	23 0,91	11,5 0,45	14 0,55	2,4 0,09
				G 3/8	23 0,91	12 0,47	18,5 0,73	1,5 0,06						1/4 NPT	10 0,39	16,4 0,65	9/16 – 18 UNF	15,6 0,61	25 0,98	12,7 0,50	15,5 0,61	2,5 0,10

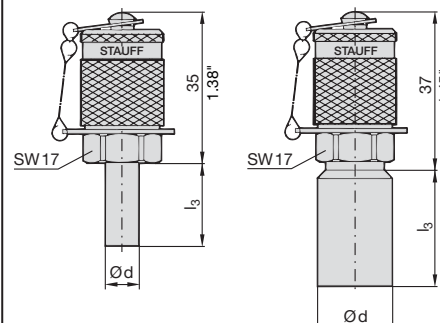
Test Coupling SKK (compression ring fittings acc. to DIN 2353) - Metric Tubing



Type G Test coupling complete with straight fitting



Type K Test coupling for 24° cone fittings



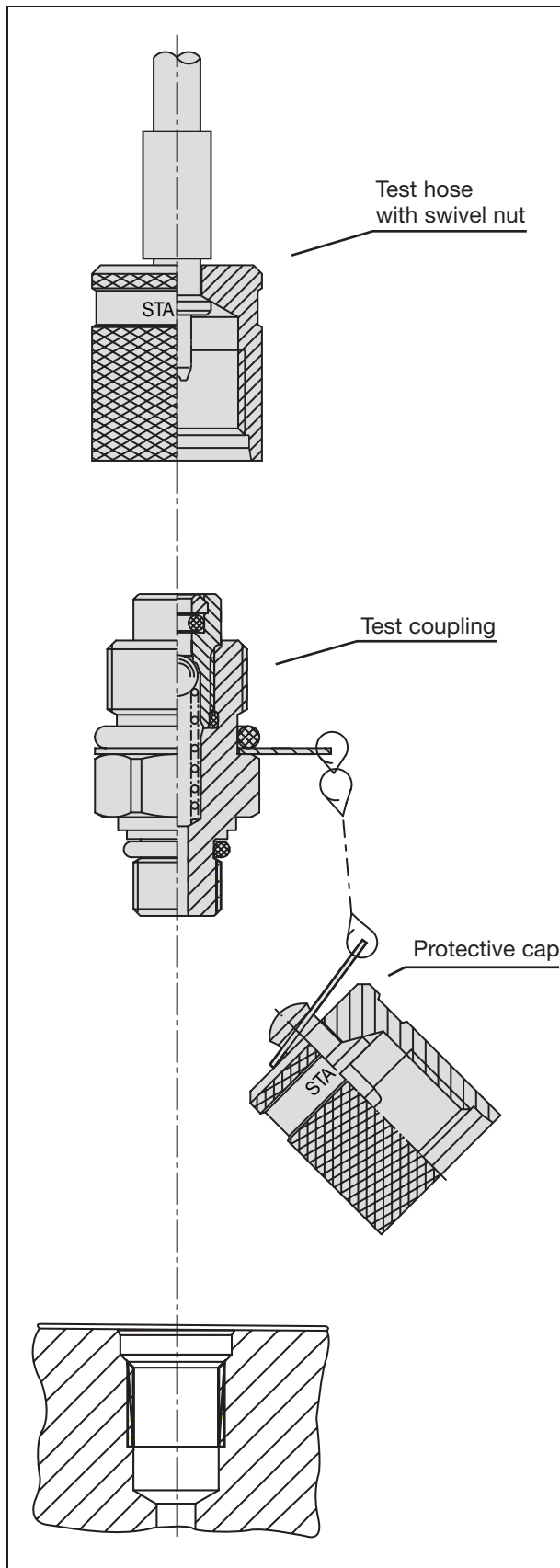
Type S Test coupling for compression ring assembly

Series	PN PSI (Bar)	Pipe Ød	l ₂		l ₃		h		SW 1		SW 2		Order No.*		
			mm	in	mm	in	mm	in	mm	in	mm	in	Type G	Type K	Type S
L	4500 (315)	6	15,5	0.61	20	0.79	49	1.93	24	0.94	14	0.55	SKK 20 – 6L-VG	SKK 20 – 6L-VK	SKK 20 – 6-VS
		8	15,5	0.61	20	0.79	49	1.93	24	0.94	17	0.67	SKK 20 – 8L-VG	SKK 20 – 8L-VK	SKK 20 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	19	0.75	SKK 20 – 10L-VG	SKK 20 – 10L-VK	SKK 20 – 10-VS
		12	17,5	0.69	22	0.87	50	1.97	27	1.06	22	0.87	SKK 20 – 12L-VG	SKK 20 – 12L-VK	SKK 20 – 12-VS
		15	21	0.83	25	0.98	52	2.05	30	1.18	27	1.06	SKK 20 – 15L-VG	SKK 20 – 15L-VK	SKK 20 – 15-VS
		18	19,5	0.77	28	1.10	53	2.09	32	1.26	32	1.26	SKK 20 – 18L-VG	SKK 20 – 18L-VK	SKK 20 – 18-VS
	2300 (160)	22	20,5	0.81	30	1.18	55	2.17	36	1.42	36	1.42	SKK 20 – 22L-VG	SKK 20 – 22L-VK	SKK 20 – 22-VS
		28	25	0.98	32	1.26	57,5	2.26	41	1.61	41	1.61	SKK 20 – 28L-VG	SKK 20 – 28L-VK	SKK 20 – 28-VS
		35	30	1.18	42	1.65	60	2.36	46	1.81	50	1.97	SKK 20 – 35L-VG	SKK 20 – 35L-VK	SKK 20 – 35-VS
		42	31	1.22	45	1.77	64,5	2.54	55	2.17	60	2.36	SKK 20 – 42L-VG	SKK 20 – 42L-VK	SKK 20 – 42-VS
S	9100 (630)	6	14,5	0.57	20	0.79	49	1.93	24	0.94	17	0.67	SKK 20 – 6S-VG	SKK 20 – 6S-VK	SKK 20 – 6-VS
		8	16,5	0.65	20	0.79	49	1.93	24	0.94	19	0.75	SKK 20 – 8S-VG	SKK 20 – 8S-VK	SKK 20 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	22	0.87	SKK 20 – 10S-VG	SKK 20 – 10S-VK	SKK 20 – 10-VS
		12	17,5	0.69	22	0.87	49	1.93	24	0.94	24	0.94	SKK 20 – 12S-VG	SKK 20 – 12S-VK	SKK 20 – 12-VS
		14	19,5	0.77	22	0.87	50,5	1.99	27	1.06	27	1.06	SKK 20 – 14S-VG	SKK 20 – 14S-VK	SKK 20 – 14-VS
	5800 (400)	16	18	0.71	28	1.10	52	2.05	30	1.18	30	1.18	SKK 20 – 16S-VG	SKK 20 – 16S-VK	SKK 20 – 16-VS
		20	24	0.94	30	1.18	55	2.17	36	1.42	36	1.42	SKK 20 – 20S-VG	SKK 20 – 20S-VK	SKK 20 – 20-VS
		25	26	1.02	36	1.42	57,5	2.26	41	1.61	46	1.81	SKK 20 – 25S-VG	SKK 20 – 25S-VK	SKK 20 – 25-VS
		30	30	1.18	41	1.61	60	2.36	46	1.81	50	1.97	SKK 20 – 30S-VG	SKK 20 – 30S-VK	SKK 20 – 30-VS
	4500 (315)	38	34	1.34	48	1.89	64,5	2.54	55	2.17	60	2.36	SKK 20 – 38S-VG	SKK 20 – 38S-VK	SKK 20 – 38-VS

* For ordering BUNA seals please replace "V" with "P"

* For EPDM seals replace "V" with "E"

Test 15 Type SMK Connection Thread M 16 x 1,5



Upon request TEST 15 couplings are available as SKK-type

Fast Coupling for:

- Monitoring and control of pressure
- Venting
- Sampling Fluids

Advantages:

- Coupling at system pressure level
- Connection is leakproof before **ball valve** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap

Working Pressure:

- Max. working pressure 9000 PSI (630 bar)
For SMK type G, K and S the recommended working pressure of fitting manufacturer should be noted
- Connection under pressure up to 5800 PSI (400 bar) max.

Materials:

- Metal parts: Steel, Stainless Steel on request
- Ball: Stainless Steel
- Seals:

Standard

V = FPM-VITON Temperature range - 4°F to +392°F
 (- 20°C to +200°C)

Optional

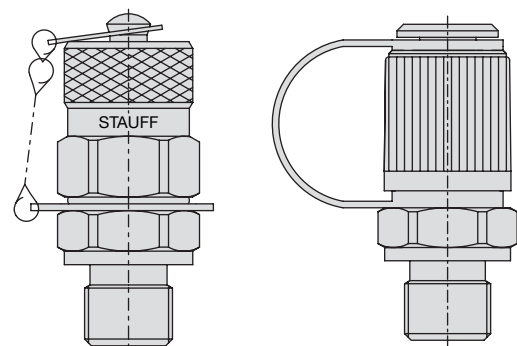
P = NBR-BUNA Temperature range - 4°F to +195°F
 (- 20°C to +90°C)

[illegible]

- Hose: Polyamide Temperature range -31°F to +212°F
(-35°C to +100°C)

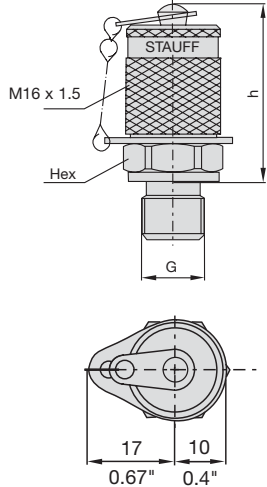
Media:

- Suitable for hydraulic oils and other mineral based fluids (check compatibility of seal material)
- For use with low viscosity fluids or gaseous media, please consult STAUFF for details



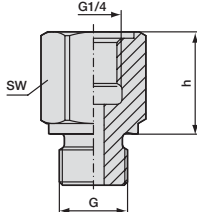
The complete STAUFF-TEST-15-Type-SMK range is also available with hexagonal protection cap made of steel or plastic protection cap

Test Coupling with Protective Cap SMK

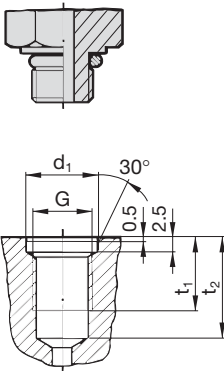
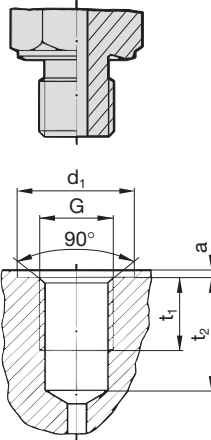
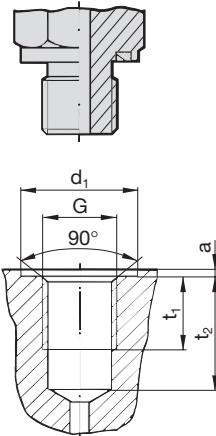
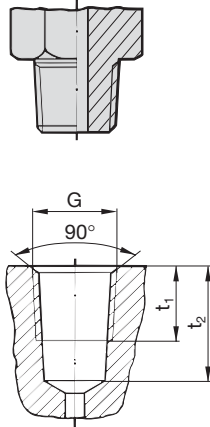
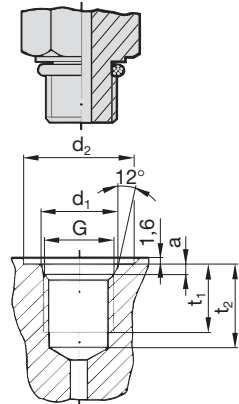
	Thread G	h		SW		Order No.		Seal
		mm	in	mm	in	NBR (BUNA)	FPM (VITON) (Standard)	
	M10 x 1	37	1.46	17	0.67	SMK 15 – M10 x 1 – PA	SMK 15 – M10 x 1 – VA	O-Ring Type A
	M14 x 1,5	37	1.46	19	0.75	SMK 15 – M14 x 1,5 – PB	SMK 15 – M14 x 1,5 – VB	Metal joint Type B
	M16 x 1,5	37	1.46	22	0.87	SMK 15 – M16 x 1,5 – PB	SMK 15 – M16 x 1,5 – VB	Metal joint Type B
	G 1/4	37	1.46	19	0.75	SMK 15 – G 1/4 – PB	SMK 15 – G 1/4 – VB	Metal joint Type B
	G 1/4	37	1.46	19	0.75	SMK 15 – G 1/4 – PC	SMK 15 – G 1/4 – VC	O-Ring Type C
	G 3/8	37	1.46	22	0.87	SMK 15 – G 3/8 – PB	SMK 15 – G 3/8 – VB	Metal joint Type B
	R 1/4 taper	36	1.42	17	0.67	SMK 15 – R 1/4 K-PD	SMK 15 – R 1/4 K-VD	Taper Type D
	1/4 NPT	35	1.38	17	0.67	SMK 15 – 1/4 NPT-PD	SMK 15 – 1/4 NPT-VD	Taper Type D
	9/16 – 18 UNF	37	1.46	19	0.75	SMK 15 – 9/16 UNF-PE	SMK 15 – 9/16 UNF-VE	O-Ring Type E

Other port connections and seals on request.

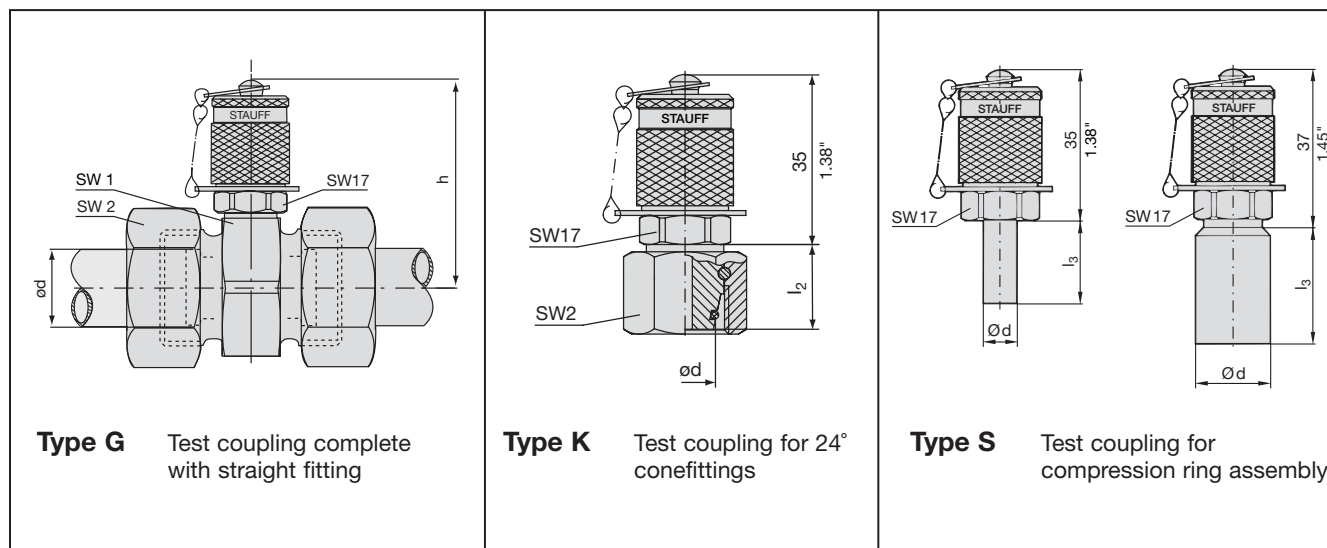
Thread Adaptor SRS

	Thread G	h		SW		Order No.	Seal
		mm	in	mm	in		
	M18 x 1,5	24	0.94	24	0.94	SRS 15 – M18 x 1,5-B	Metal joint DIN 3852 Type B
	M20 x 1,5	10,5	0.41	27	1.06	SRS 15 – M20 x 1,5-B	
	G 3/8	24	0.94	22	0.87	SRS 15 – G 3/8-B	
	G 1/2	10,5	0.41	27	1.06	SRS 15 – G 1/2-B	

Port Connections and Seals

Type A	Type B	Type C	Type D	Type E (ISO 6149)																			
																							
G	d ₁	t ₁	t ₂	G	d ₁	t ₁	t ₂	a	G	d ₁	t ₁	t ₂	a	G	t ₁	t ₂	G	d ₁	d ₂	t ₁	t ₂	a	
	mm in	mm in	mm in		mm in	mm in	mm in	mm in		mm in	mm in	mm in	mm in		mm in	mm in			mm in	mm in	mm in	mm in	mm in
				M14 x 1,5	20 0.79	12 0.47	18,5 0.73	1,5 0.06															
M10 x 1	11,5 +0,1 0.45	12 0.47	16,5 0.65	M16 x 1,5	22 0.87	12 0.47	18,5 0.73	1,5 0.06															
				G ¼	19 0.75	12 0.47	18,5 0.73	1,5 0.06	G ¼	19 0.75	12 0.47	18,5 0.73	1,5 0.06	R ¼ taper	8,5 0.33	13,5 0.53							
				G ⅜	23 0.91	12 0.47	18,5 0.73	2,0 0.08						¼ NPT	10 0.39	16,4 0.65	9/16 – 18 UNF	15,6 0.61	25 0.98	12,7 0.50	15,5 0.61	2,5 0.10	

Test Coupling SMK (compression ring fittings acc. to DIN 2353) - Metric Tubing



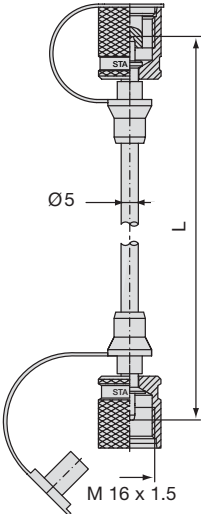
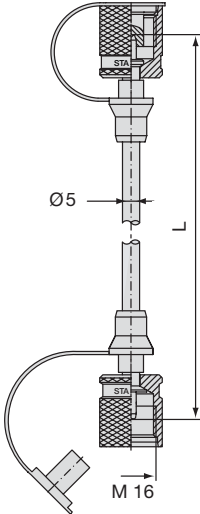
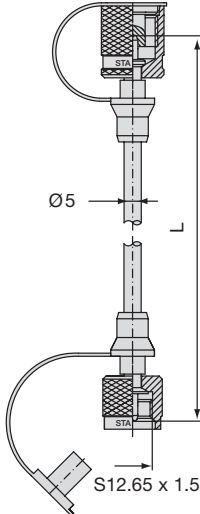
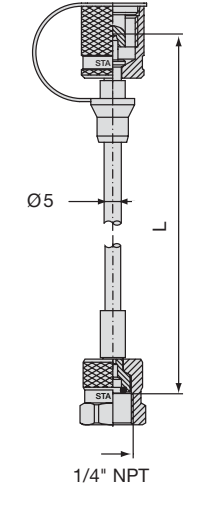
Series	PN* PSI (Bar)	Pipe Ø d	l ₂		l ₃		h		SW 1		SW 2		Order No.*		
			mm	in	mm	in	mm	in	mm	in	mm	in	Type G	Type K	Type S
L	4500 (315)	6	15,5	0.61	20	0.79	49	1.93	24	0.94	14	0.55	SMK 15 – 6L-VG	SMK 15 – 6L-VK	SMK 15 – 6-VS
		8	15,5	0.61	20	0.79	49	1.93	24	0.94	17	0.67	SMK 15 – 8L-VG	SMK 15 – 8L-VK	SMK 15 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	19	0.75	SMK 15 – 10L-VG	SMK 15 – 10L-VK	SMK 15 – 10-VS
		12	17,5	0.69	22	0.87	50,5	1.99	27	1.06	22	0.87	SMK 15 – 12L-VG	SMK 15 – 12L-VK	SMK 15 – 12-VS
		15	21	0.83	25	0.98	52	2.05	30	1.18	27	1.06	SMK 15 – 15L-VG	SMK 15 – 15L-VK	SMK 15 – 15-VS
		18	19,5	0.77	28	1.10	53	2.09	32	1.26	32	1.26	SMK 15 – 18L-VG	SMK 15 – 18L-VK	SMK 15 – 18-VS
	2300 (160)	22	20,5	0.81	30	1.18	55	2.17	36	1.42	36	1.42	SMK 15 – 22L-VG	SMK 15 – 22L-VK	SMK 15 – 22-VS
		28	25	0.98	32	1.26	57,5	2.26	41	1.61	41	1.61	SMK 15 – 28L-VG	SMK 15 – 28L-VK	SMK 15 – 28-VS
		35	30	1.18	42	1.65	60	2.36	46	1.81	50	1.97	SMK 15 – 35L-VG	SMK 15 – 35L-VK	SMK 15 – 35-VS
		42	31	1.22	45	1.77	64,5	2.54	55	2.17	60	2.36	SMK 15 – 42L-VG	SMK 15 – 42L-VK	SMK 15 – 42-VS
S	9000 (630)	6	14,5	0.57	20	0.79	49	1.93	24	0.94	17	0.67	SMK 15 – 6S-VG	SMK 15 – 6S-VK	SMK 15 – 6-VS
		8	16,5	0.65	20	0.79	49	1.93	24	0.94	19	0.75	SMK 15 – 8S-VG	SMK 15 – 8S-VK	SMK 15 – 8-VS
		10	16,5	0.65	22	0.87	49	1.93	24	0.94	22	0.87	SMK 15 – 10S-VG	SMK 15 – 10S-VK	SMK 15 – 10-VS
		12	17,5	0.69	22	0.87	49	1.93	24	0.94	24	0.94	SMK 15 – 12S-VG	SMK 15 – 12S-VK	SMK 15 – 12-VS
		14	19,5	0.77	22	0.87	50,5	1.99	27	1.06	27	1.06	SMK 15 – 14S-VG	SMK 15 – 14S-VK	SMK 15 – 14-VS
	5800 (400)	16	18	0.71	28	1.10	52	2.05	30	1.18	30	1.18	SMK 15 – 16S-VG	SMK 15 – 16S-VK	SMK 15 – 16-VS
		20	24	0.94	30	1.18	55	2.17	36	1.42	36	1.42	SMK 15 – 20S-VG	SMK 15 – 20S-VK	SMK 15 – 20-VS
		25	26	1.02	36	1.42	57,5	2.26	41	1.61	46	1.81	SMK 15 – 25S-VG	SMK 15 – 25S-VK	SMK 15 – 25-VS
		30	30	1.18	41	1.61	60	2.36	46	1.81	50	1.97	SMK 15 – 30S-VG	SMK 15 – 30S-VK	SMK 15 – 30-VS
	4500 (315)	38	34	1.34	48	1.89	64,5	2.54	55	2.17	60	2.36	SMK 15 – 38S-VG	SMK 15 – 38S-VK	SMK 15 – 38-VS

* Working pressure

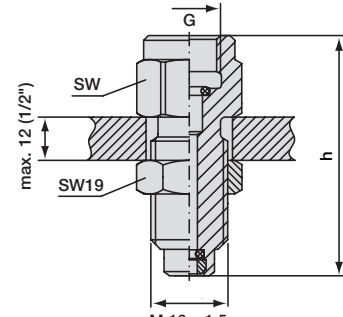
* For EPDM seals replace "V" with "E"

Test Hose SMS (for gaseous media Specify Type SGS)

TEST

Max. working pressure 9000 PSI (630 bar) Test hose: Nominal bore 0.08" (2 mm) Minimum bending radius 0.75" (20 mm) Pressure/t° factor: to 0°C 122 % at 30°C 110 % at 50°C 100 % at 80°C 86 % at 100°C 77 % Hose construction: Hose-core and -cover PA Reinforcement: Synthetic fibre Bursting pressure: 27,000 PSI (1900 bar)		Stauff-Test 15/15  STAUFF-TEST 15		Stauff-Test 15/20  STAUFF-TEST 20		Stauff-Test 12/15⁽²⁾  STAUFF-TEST 12		Stauff-Test 15/N 1/4⁽³⁾  GAUGE ADAPTOR	
		Length L⁽¹⁾ in mm		Order No.					
		12	305	SMS-15-305mm-B	SMS-15/20-305mm-B	SMS-12/15-305mm-B	SMS-15/N ¹ / ₄ -305mm-B		
		24	610	SMS-15-610mm-B	SMS-15/20-610mm-B	SMS-12/15-610mm-B	SMS-15/N ¹ / ₄ -610mm-B		
		36	915	SMS-15-915mm-B	SMS-15/20-915mm-B	SMS-12/15-915mm-B	SMS-15/N ¹ / ₄ -915mm-B		
48	1219	SMS-15-1219mm-B	SMS-15/20-1219mm-B	SMS-12/15-1219mm-B	SMS-15/N ¹ / ₄ -1219mm-B				
60	1524	SMS-15-1524mm-B	SMS-15/20-1524mm-B	SMS-12/15-1524mm-B	SMS-15/N ¹ / ₄ -1524mm-B				
72	1829	SMS-15-1829mm-B	SMS-15/20-1829mm-B	SMS-12/15-1829mm-B	SMS-15/N ¹ / ₄ -1829mm-B				
96	2438	SMS-15-2438mm-B	SMS-15/20-2438mm-B	SMS-12/15-2438mm-B	SMS-15/N ¹ / ₄ -2438mm-B				
120	3048	SMS-15-3048mm-B	SMS-15/20-3048mm-B	SMS-12/15-3048mm-B	SMS-15/N ¹ / ₄ -3048mm-B				
Custom lengths available on request									
⁽¹⁾ Bending protection and other lengths on request			⁽²⁾ Special thread: buttress thread S12,65 x 1,5			⁽³⁾ Gauge adaptor G¹/₄, G¹/₂ and 1/2 NPT on request			

Gauge Adaptor SMA

 max. 12 (1 1/2") SW19 M 16 x 1.5 Through-hole Ø 18 mm	G	h	SW	Order No.	
		mm in	mm in	NBR (BUNA)	FPM (VITON) (Standard)
	G 1/4	54 2.13	19 0.75	SMA 15 - G 1/4 - P-OR	SMA 15 - G 1/4 - V-OR
	G 1/2	64 2.52	27 1.06	SMA 15 - G 1/2 - P-OR	SMA 15 - G 1/2 - V-OR
	1/4 NPT	54 2.13	19 0.75	SMA 15 - 1/4 NPT-P	SMA 15 - 1/4 NPT-V
	1/2 NPT	64 2.52	27 1.06	SMA 15 - 1/2 NPT-P	SMA 15 - 1/2 NPT-V
Damping element on request					

Bulkhead SSK (for gaseous media use Type SSKK)

G	h		Type	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
M 16 x 1,5	72	2.83	A	SSK 15-P	SSK 15-V
M 16 x 1,5 ¹⁾	72	2.83	B	SSK 15/08 S-P	SSK 15/08 S-V

¹⁾ Compression ring assembly 8 S acc. to DIN 2353

Direct Gauge Adaptor SMD

G	h		SW	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
G 1/4	41	1.61	19	SMD 15 - G 1/4 - P-OR	SMD 15 - G 1/4 - V-OR
G 1/2	51	2.01	27	SMD 15 - G 1/2 - P-OR	SMD 15 - G 1/2 - V-OR
1/4 NPT	41	1.61	19	SMD 15 - 1/4 NPT-P	SMD 15 - 1/4 NPT
1/2 NPT	51	2.01	27	SMD 15 - 1/2 NPT-P	SMD 15 - 1/2 NPT

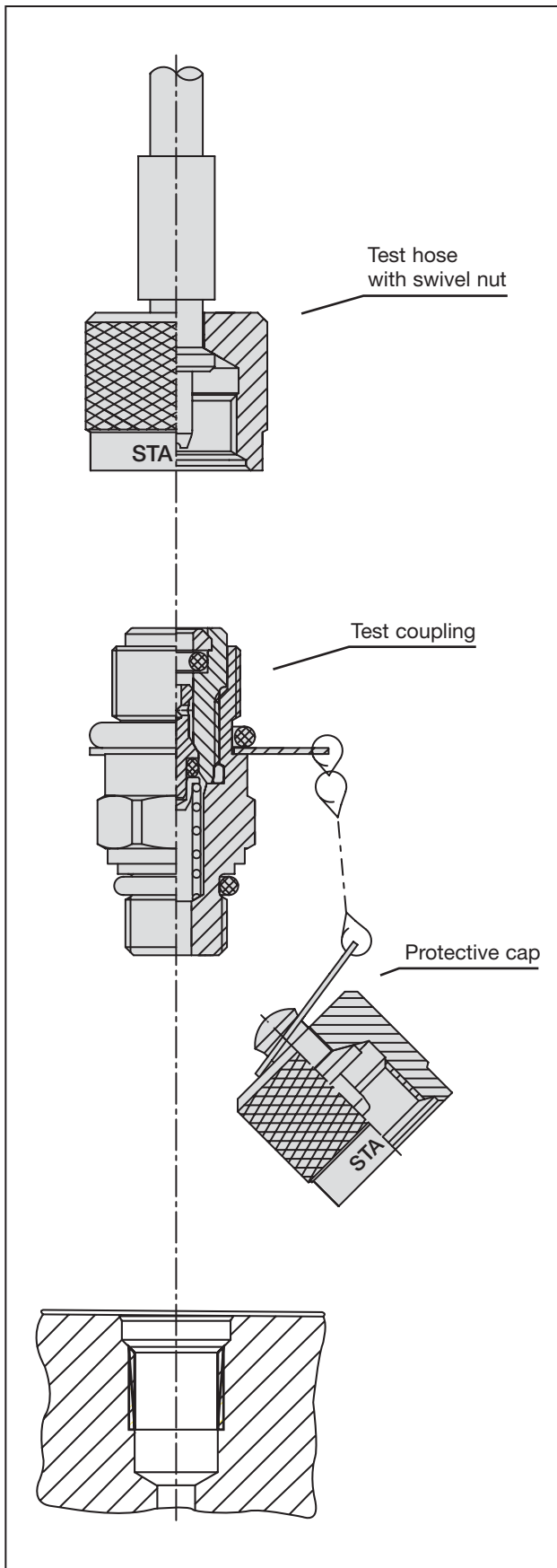
Damping element upon request

Swivel Run Tees SGV

Order Code Without Test Point									
Thread G	Ød1	Ød1	l1	l2	l3	l4	Hex1	Hex2	Order No.
	mm	mm	mm	mm	mm	mm	mm	mm	
7/16 - 20 UNF	7.49	4.9	9	14	37	8	27	17	SGV 7/16 UNF - 04 - JIC 1/4 F/M
9/16 - 18 UNF	11.05	8.08	10.5	14.1	37.6	8.5	27	19	SGV 9/16 UNF - 06 - JIC 3/8 F/M
3/4 - 16 UNF	14.48	10.82	10.5	16.7	48.7	8.5	27	22	SGV 3/4 UNF - 08 - JIC 1/2 F/M

Order Code Including Test Point (SMK 15 - 7/16 UNF - VE)									
SMK 15 - 04- JIC 1/4 - F/M-1137									
SMK 15 - 06- JIC 3/8 - F/M-1137									
SMK 15 - 08- JIC 1/2 - F/M-1137									

Other threads available upon request.



Fast Coupling for:

- Monitoring and control of pressure
- Venting
- Sampling Fluids

Advantages:

- Coupling at system pressure level
- Connection is leakproof before **piston valve** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap

Working Pressure:

- Max. working pressure 9000 PSI (630 bar)
For SKK type G, K and S the recommended working pressure of fitting manufacturer should be noted
- Connection under pressure up to 5800 PSI (400 bar) max.

Materials:

- Metal parts: Steel, Stainless Steel on request
- Seals:

Standard

V = FPM-VITON Temperature range – 4°F to + 392°F
(– 20°C to + 200°C)

Optional

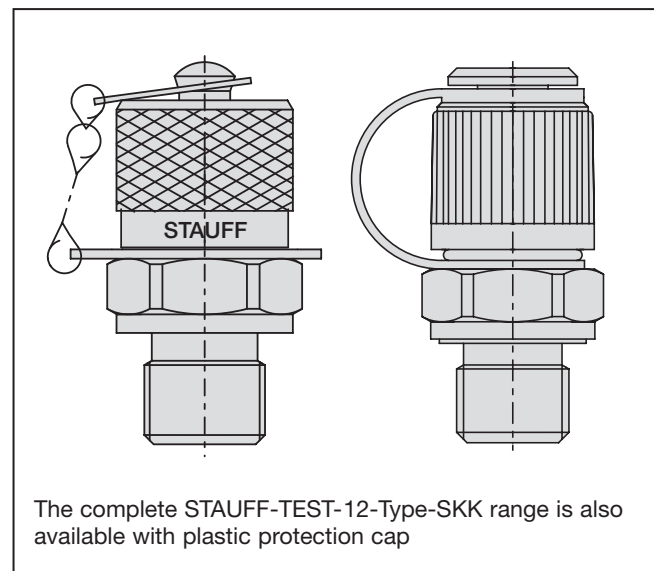
P = NBR-BUNA Temperature range – 4°F to + 195°F
(– 20°C to + 90°C)

E = EPDM Ethylene Propylene (for Brake Fluid)
Temperature range – 40°F to + 302°F
(– 40°C to + 150°C)

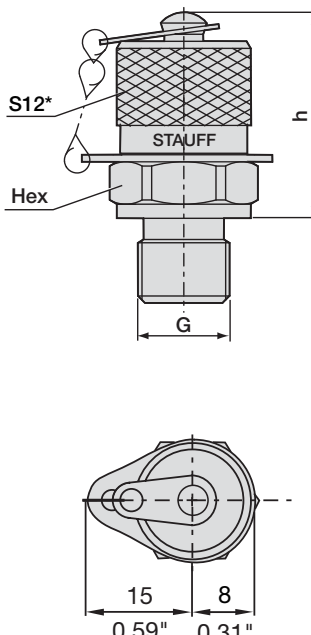
- Hose: Polyamide Temperature range – 31°F to + 212°F
(– 35°C to + 100°C)

Media:

- Suitable for hydraulic oils and other low viscosity mineral oil based fluids (check compatibility of seal material)
- For use with other liquid or gaseous media, please consult STAUFF for details



Test Coupling with Protective Cap SKK

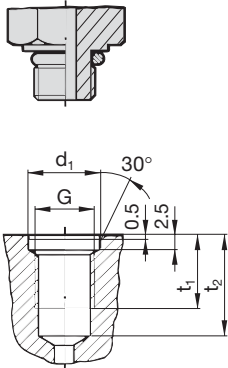
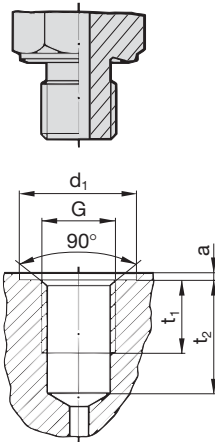
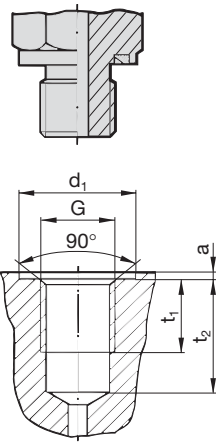
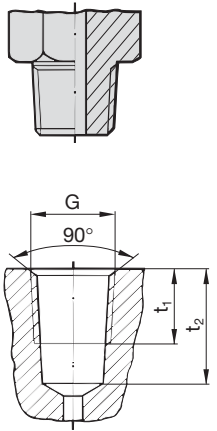
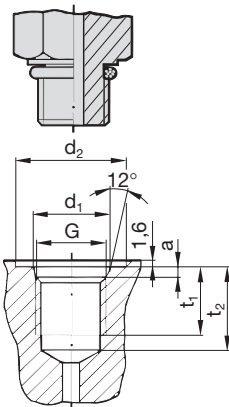
	Thread G	h mm in	Hex mm in	Order No.		Seal
				NBR (BUNA)	FPM (VITON) (Standard)	
	M8 x 1	37 1.46	14 0.55	SKK 12 – M8 x 1 – PA	SKK 12 – M8 x 1 – VA	O-Ring Type A
	M10 x 1	34 1.34	14 0.55	SKK 12 – M10 x 1 – PA	SKK 12 – M10 x 1 – VA	O-Ring Type A
	M12 x 1,5	31 1.22	17 0.67	SKK 12 – M12 x 1,5 – PC	SKK 12 – M12 x 1,5 – VC	O-Ring Type C
	M14 x 1,5	31 1.22	19 0.75	SKK 12 – M14 x 1,5 – PB	SKK 12 – M14 x 1,5 – VB	Metal joint Type B
	M16 x 1,5	31 1.22	22 0.87	SKK 12 – M16 x 1,5 – PB	SKK 12 – M16 x 1,5 – VB	Metal joint Type B
	G 1/8	40 1.57	14 0.55	SKK 12 – G 1/8 – PC	SKK 12 – G 1/8 – VC	O-Ring Type C
	G 1/4	31 1.22	19 0.75	SKK 12 – G 1/4 – PB	SKK 12 – G 1/4 – VB	Metal joint Type B
	G 1/4	31 1.22	19 0.75	SKK 12 – G 1/4 – PC	SKK 12 – G 1/4 – VC	O-Ring Type C
	G 3/8	31 1.22	22 0.87	SKK 12 – G 3/8 – PB	SKK 12 – G 3/8 – VB	Metal joint Type B
	R 1/8 taper	33 1.30	14 0.55	SKK 12 – R 1/8 K-PD	SKK 12 – R 1/8 K-VD	Taper Type D
	R 1/4 taper	30 1.18	14 0.55	SKK 12 – R 1/4 K-PD	SKK 12 – R 1/4 K-VD	Taper Type D
	1/8 NPT	33 1.30	14 0.55	SKK 12 – 1/8 NPT-PD	SKK 12 – 1/8 NPT-VD	Taper Type D
	1/4 NPT	28 1.10	14 0.55	SKK 12 – 1/4 NPT-PD	SKK 12 – 1/4 NPT-VD	Taper Type D
	5/16 – 24 UNF	34,5 1.36	17 0.67	SKK 12 – 5/16 UNF-PE	SKK 12 – 5/16 UNF-VE	O-Ring Type E
	7/16 – 20 UNF	33 1.30	17 0.67	SKK 12 – 7/16 UNF-PE	SKK 12 – 7/16 UNF-VE	O-Ring Type E
	1/2 – 20 UNF	32 1.26	17 0.67	SKK 12 – 1/2 UNF-PE	SKK 12 – 1/2 UNF-VE	O-Ring Type E
	9/16 – 18 UNF	32 1.26	19 0.75	SKK 12 – 9/16 UNF-PE	SKK 12 – 9/16 UNF-VE	O-Ring Type E

* Special thread:
buttress thread S 12.65 x 1.5

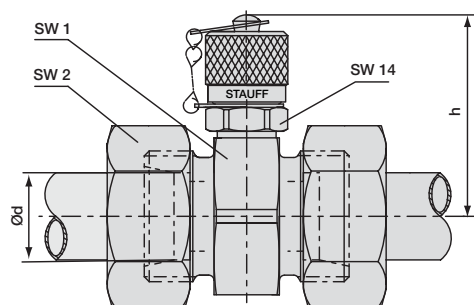
* Special thread:
buttress thread S12.65 x 1.5

Other port connections and seals available upon request.

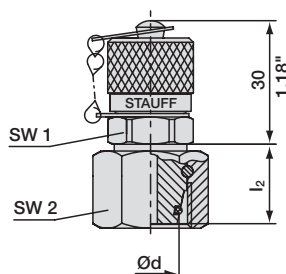
Port Connections and Seals

Type A	Type B	Type C	Type D	Type E (ISO 6149)																			
																							
G	d ₁	t ₁	t ₂	G	d ₁	t ₁	t ₂	a	G	d ₁	t ₁	t ₂	a	G	t ₁	t ₂	G	d ₁	d ₂	t ₁	t ₂	a	
	mm in	mm in	mm in		mm in	mm in	mm in	mm in		mm in	mm in	mm in	mm in		mm in	mm in	mm in		mm in	mm in	mm in	mm in	mm in
M8 x 1	9,5 + 0,1 0.37	11 0.43	15,5 0.61	M14 x 1,5	20 0.79	12 0.47	18,5 0.73	1,5 0.06	M12 x 1,5	18 0.71	12 0.47	18,5 0.73	1,5 0.06	R 1/8 taper	5,5 0.22	9,5 0.37		5/16 – 24 UNF	9,1 0.36	17 0.67	10 0.39	12 0.47	1,9 0.07
M10 x 1	11,5 + 0,1 0.45	12 0.47	16,5 0.65	M16 x 1,5	22 0.87	12 0.47	18,5 0.73	1,5 0.06	G 1/8	15 0.59	8 0.31	13 0.51	1,0 0.04	R 1/4 taper	8,5 0.33	13,5 0.53		7/16 – 20 UNF	12,4 0.49	21 0.83	11,5 0.45	14 0.55	2,4 0.09
				G 1/4	19 0.75	12 0.47	18,5 0.73	1,5 0.06	G 1/4	19 0.75	12 0.47	18,5 0.73	1,5 0.06	1/8 NPT	6,9 0.27	11,6 0.46		1/2 – 20 UNF	14 0.55	23 0.91	11,5 0.45	14 0.55	2,4 0.09
				G 3/8	23 0.91	12 0.47	18,5 0.73	2 0.08						1/4 NPT	10 0.39	16,4 0.65		9/16 – 18 UNF	15,6 0.61	25 0.98	12,7 0.50	15,5 0.61	2,5 0.10

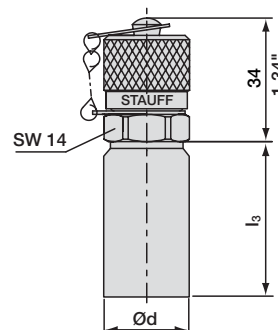
Test Coupling SKK (compression ring fittings acc. to DIN 2353) - Metric Tubing



Type G Test coupling complete with straight fitting



Type K Test coupling for 24° cone fittings

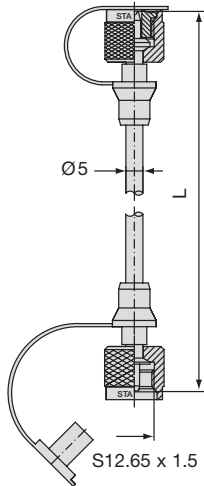
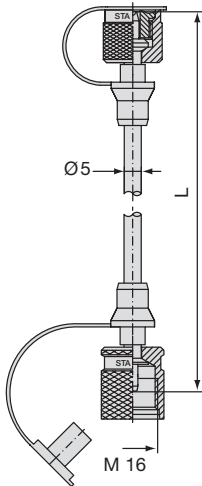
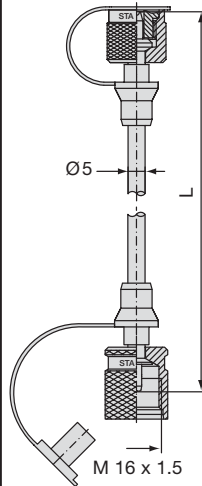
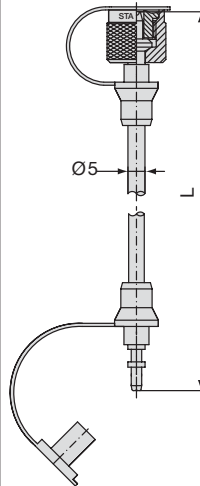
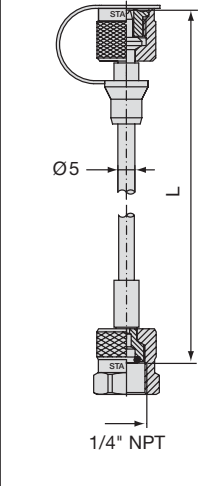


Type S Test coupling for compression ring assembly

Series	PN	Pipe Ød	l ₂		l ₃		h		SW 1		SW 2		Order No.*		
			mm	in	mm	in	mm	in	mm	in	mm	in	Type G	Type K	Type S
L	315	6	15,5	0.61	20	0.79	46	1.81	24	0.94	14	0.55	SKK 12 - 6L-VG	SKK 12 - 6L-VK	SKK 12 - 6-VS
		8	15,5	0.61	20	0.79	46	1.81	24	0.94	17	0.67	SKK 12 - 8L-VG	SKK 12 - 8L-VK	SKK 12 - 8-VS
		10	16,5	0.65	22	0.87	46	1.81	24	0.94	19	0.75	SKK 12 - 10L-VG	SKK 12 - 10L-VK	SKK 12 - 10-VS
		12	17,5	0.69	22	0.87	47,5	1.87	27	1.06	22	0.87	SKK 12 - 12L-VG	SKK 12 - 12L-VK	SKK 12 - 12-VS
		15	21	0.83	25	0.98	49	1.93	30	1.18	27	1.06	SKK 12 - 15L-VG	SKK 12 - 15L-VK	SKK 12 - 15-VS
		18	19,5	0.77	28	1.10	50	1.97	32	1.26	32	1.26	SKK 12 - 18L-VG	SKK 12 - 18L-VK	SKK 12 - 18-VS
	160	22	20,5	0.81	30	1.18	52	2.05	36	1.42	36	1.42	SKK 12 - 22L-VG	SKK 12 - 22L-VK	SKK 12 - 22-VS
		28	25	0.98	32	1.26	54,5	2.15	41	1.61	41	1.61	SKK 12 - 28L-VG	SKK 12 - 28L-VK	SKK 12 - 28-VS
		35	30	1.18	42	1.65	57	2.24	46	1.81	50	1.97	SKK 12 - 35L-VG	SKK 12 - 35L-VK	SKK 12 - 35-VS
		42	31	1.22	45	1.77	61,5	2.42	55	2.17	60	2.36	SKK 12 - 42L-VG	SKK 12 - 42L-VK	SKK 12 - 42-VS
S	630	6	14,5	0.57	20	0.79	46	1.81	24	0.94	17	0.67	SKK 12 - 6S-VG	SKK 12 - 6S-VK	SKK 12 - 6-VS
		8	16,5	0.65	20	0.79	46	1.81	24	0.94	19	0.75	SKK 12 - 8S-VG	SKK 12 - 8S-VK	SKK 12 - 8-VS
		10	16,5	0.65	22	0.87	46	1.81	24	0.94	22	0.87	SKK 12 - 10S-VG	SKK 12 - 10S-VK	SKK 12 - 10-VS
		12	17,5	0.69	22	0.87	46	1.81	24	0.94	24	0.94	SKK 12 - 12S-VG	SKK 12 - 12S-VK	SKK 12 - 12-VS
		14	19,5	0.77	22	0.87	47,5	1.87	27	1.06	27	1.06	SKK 12 - 14S-VG	SKK 12 - 14S-VK	SKK 12 - 14-VS
	400	16	18	0.71	28	1.10	49	1.93	30	1.18	30	1.18	SKK 12 - 16S-VG	SKK 12 - 16S-VK	SKK 12 - 16-VS
		20	24	0.94	30	1.18	52	2.05	36	1.42	36	1.42	SKK 12 - 20S-VG	SKK 12 - 20S-VK	SKK 12 - 20-VS
		25	26	1.02	36	1.42	54,5	2.15	41	1.61	46	1.81	SKK 12 - 25S-VG	SKK 12 - 25S-VK	SKK 12 - 25-VS
		30	30	1.18	41	1.61	57	2.24	46	1.81	50	1.97	SKK 12 - 30S-VG	SKK 12 - 30S-VK	SKK 12 - 30-VS
	315	38	34	1.34	48	1.89	61,5	2.42	55	2.17	60	2.36	SKK 12 - 38S-VG	SKK 12 - 38S-VK	SKK 12 - 38-VS

* For EPDM seals replace "V" with "E"

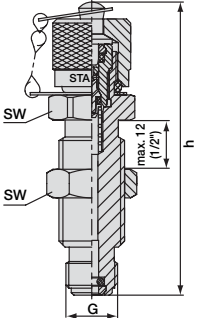
Test Hose SMS (for gaseous media Specify Type SGS)

Max. working pressure 9000 PSI (630 bar) Test hose: Nominal bore 0.08" (2 mm) Minimum bending radius 0.75" (20 mm) Nominal bore 0.16" (4 mm) also available Pressure/t° factor: to 0°C 122 % at 30°C 110 % at 50°C 100 % at 80°C 86 % at 100°C 77 % Hose construction: Hose-core and -cover PA 11/12 Reinforcement: Synthetic fibre Bursting pressure: 27,000 PSI (1900 bar)	Stauff-Test 12/12⁽²⁾	Stauff-Test 12/20	Stauff-Test 12/15	Stauff-Test 10/12⁽²⁾	Stauff-Test 12/N^{1/4}⁽³⁾	
	STAUFF-TEST 12	STAUFF-TEST 12	STAUFF-TEST 12	STAUFF-TEST 12	STAUFF-TEST 12	
						
	Ø5	Ø5	Ø5	Ø5	Ø5	
	S12.65 x 1.5	M 16	M 16 x 1.5		1/4" NPT	
	STAUFF-TEST 12	STAUFF-TEST 20	STAUFF-TEST 15	STAUFF-TEST 10	GAUGE ADAPTOR	
Length L⁽¹⁾		Order No.				
in	mm					
12	305	SMS-12-305mm-B	SMS-12/20-305mm-B	SMS-12/15-1305-B	SMS-10/12-305mm-B	SMS-12/N ^{1/4} -305mm-B
24	610	SMS-12-610mm-B	SMS-12/20-610mm-B	SMS-12/15-610-B	SMS-10/12-610mm-B	SMS-12/N ^{1/4} -610mm-B
36	915	SMS-12-915mm-B	SMS-12/20-915mm-B	SMS-12/15-915-B	SMS-10/12-915mm-B	SMS-12/N ^{1/4} -915mm-B
48	1219	SMS-12-1219mm-B	SMS-12/20-1219mm-B	SMS-12/15-1219-B	SMS-10/12-1219mm-B	SMS-12/N ^{1/4} -1219mm-B
60	1524	SMS-12-1524mm-B	SMS-12/20-1524mm-B	SMS-12/15-1524-B	SMS-10/12-1524mm-B	SMS-12/N ^{1/4} -1524mm-B
72	1829	SMS-12-1829mm-B	SMS-12/20-1829mm-B	SMS-12/15-1829-B	SMS-10/12-1829mm-B	SMS-12/N ^{1/4} -1829mm-B
96	2438	SMS-12-2438mm-B	SMS-12/20-2438mm-B	SMS-12/15-2438-B	SMS-10/12-2438mm-B	SMS-12/N ^{1/4} -2438mm-B
120	3048	SMS-12-3048mm-B	SMS-12/20-3048mm-B	SMS-12/15-3048-B	SMS-10/12-3048mm-B	SMS-12/N ^{1/4} -3048mm-B
Custom lengths available upon request						
⁽¹⁾ Bending protection and other lengths on request		⁽²⁾ Special thread: buttress thread S12,65 x 1,5			⁽³⁾ Gauge adaptor G ^{1/4} , G ^{1/2} and 1/2 NPT on request	

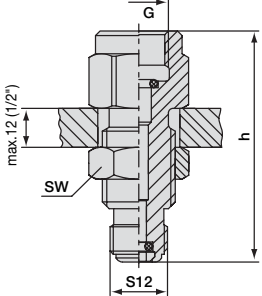
Adaptor SAD

G	h		Type	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
M 16 x 1,5	33	1.30	A	SAD 12/15-P	SAD 12/15-V
plug in	31	1.22	B	SAD 12/10-P	SAD 12/10-V
M 16 x 2	33	1.30	A	SAD 12/20-P	SAD 12/20-V
¹⁾ Special thread: buttress thread S12,65 x 1,5					

Bulkhead SSKK

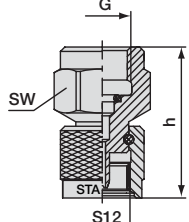
	G	h		SW		Order No.	
		mm	in	mm	in	NBR (BUNA)	FPM (VITON) (Standard)
	S 12	63	2.48	19	0.75	SSKK 12-P	SSKK 12-V

Gauge Adaptor SMA

 Through-hole Ø 18 mm	G	h		SW		Order No.	
		mm	in	mm	in	NBR (BUNA)	FPM (VITON) (Standard)
	G 1/4	51	2.00	19	0.75	SMA 12 - G 1/4 - P-OR	SMA 12 - G 1/4 - V-OR
	G 1/2	61	2.40	27	1.06	SMA 12 - G 1/2 - P-OR	SMA 12 - G 1/2 - V-OR
	1/4 NPT	51	2.00	19	0.75	SMA 12 - 1/4 NPT-P	SMA 12 - 1/4 NPT-V
	1/2 NPT	61	2.40	27	1.06	SMA 12 - 1/2 NPT-P	SMA 12 - 1/2 NPT-V

Snubber on request

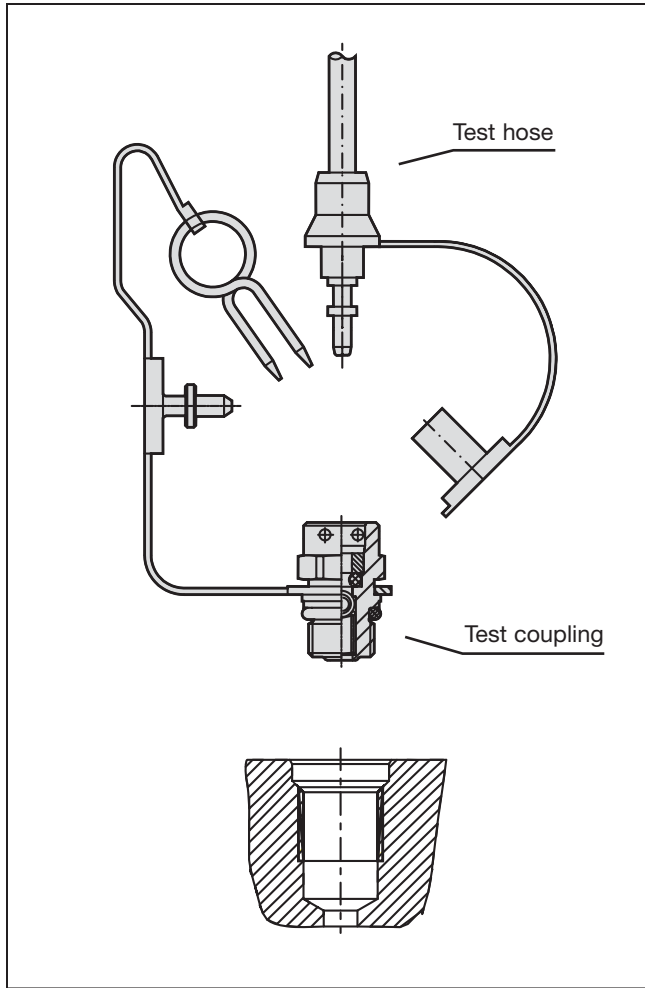
Direct Gauge Adaptor SMD

	G	h		SW		Order No.	
		mm	in	mm	in	NBR (BUNA)	FPM (VITON) (Standard)
	G 1/4	35	1.38	19	0.75	SMD 12 - G 1/4 - P-OR	SMD 12 - G 1/4 - V-OR
	G 1/2	45	1.77	27	1.06	SMD 12 - G 1/2 - P-OR	SMD 12 - G 1/2 - V-OR
	1/4 NPT	35	1.38	19	0.75	SMD 12 - 1/4 NPT-P	SMD 12 - 1/4 NPT
	1/2 NPT	45	1.77	27	1.06	SMD 12 - 1/2 NPT-P	SMD 12 - 1/2 NPT

Snubber on request

Swivel Run Tees SGV

Thread G	Order Code Without Test Point								Order No.
	Ød1	Ød1	I1	I2	I3	I4	Hex1	Hex2	
	mm	mm	mm	mm	mm	mm	mm	mm	
7/16 - 20 UNF	7.49 .29	4.9 .19	9 .35	14 .55	37 1.46	8 .31	27 1.06	17 .67	SGV 7/16 UNF - 04 - JIC 1/4 F/M
9/16 - 18 UNF	11.05 .44	8.08 .32	10.5 .41	14.1 .56	37.6 1.48	8.5 .33	27 1.06	19 .75	SGV 9/16 UNF - 06 - JIC 3/8 F/M
3/4 - 16 UNF	14.48 .57	10.82 .43	10.5 .41	16.7 .66	48.7 1.92	8.5 .33	27 1.06	22 .87	SGV 3/4 UNF - 08 - JIC 1/2 F/M
Order Code Including Test Point (SKK 12 - 7/16 UNF - VE)									
SKK 12 - 04- JIC 1/4 - F/M-1137									
SKK 12 - 06- JIC 3/8 - F/M-1137									
SKK 12 - 08- JIC 1/2 - F/M-1137									
Other threads available upon request.									



Fast Coupling for:

- Monitoring and control of pressure
- Venting
- Sampling Fluids

Advantages:

- Coupling at system pressure level
- Connection is leakproof before **ball valve** is open
- Simple connection to measurement, control and switching devices

Working Pressure:

- Max. working pressure 5800 PSI (400 bar)
For SMK Type G, K and S the recommended working pressure of fitting manufacturer should be noted

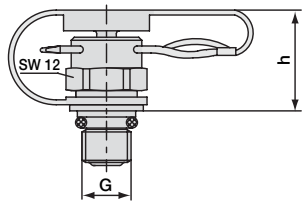
Materials:

- Metal parts: Steel, Stainless Steel on request
- Ball: Stainless Steel
- Seals:
 - Standard
V = FPM-VITON Temperature range – 4°F to + 392°F
(– 20°C to + 200°C)
 - Optional
P = NBR-BUNA Temperature range – 4°F to + 195°F
(– 20°C to + 90°C)
E = EPDM Ethylene Propylene (for Brake Fluid)
Temperature range – 40°F to + 302°F
(– 40°C to + 150°C)
- Hose: Polyamide Temperature range –31°F to + 212°F
(–35°C to + 100°C)

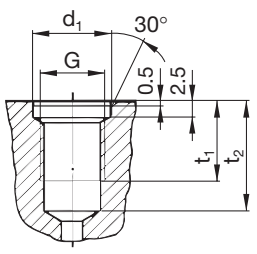
Media:

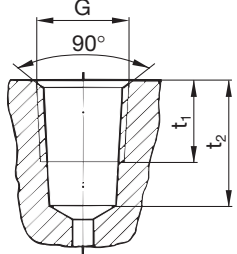
- Suitable for hydraulic oils and other mineral based fluids (check compatibility of seal material)
- For use with low viscosity media or gaseous media, please consult STAUFF details

Test Coupling with Protective Cap SMK

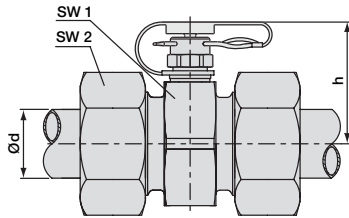
	Thread G	H mm in	Order No.		Seal
			NBR (BUNA)	FPM (VITON) (Standard)	
	M8 x 1	17,5 0.69	SMK 10 – M8 x 1 – PA	SMK 10 – M8 x 1 – VA	O-Ring Type A
	M10 x 1	17,5 0.69	SMK 10 – M10 x 1 – PA	SMK 10 – M10 x 1 – VA	O-Ring Type A
	R 1/8" taper	17,5 0.69	SMK 10 – R 1/8" K-PD	SMK 10 – R 1/8" K-VD	Taper Type D

Port Connections

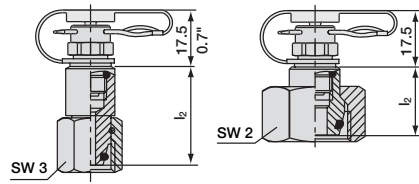
	d ₁ (G)	d ₂		t ₁		t ₂	
		mm	in	mm	in	mm	in
Type A	M 8 x 1	9,5 + 0,1		11		15,5	
			0.37		0.43		0.61
	M 10 x 1	11,5 + 0,1		12		16,5	
			0.45		0.47		0.65

	d ₁ (G)	t ₁		t ₂	
		mm	in	mm	in
Type D	R 1/8" taper	5,5		9,5	
			0.22		0.37

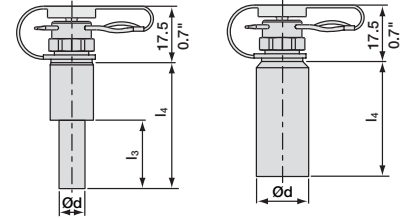
Test Coupling SMK (compression ring fittings acc. to DIN 2353) - Metric Tubing



Type G Test coupling complete with straight fitting



Type K Test coupling for 24° cone fittings



Type S Test coupling for compression ring assembly

Series	PN	Pipe Ø d	l ₂				l ₃				l ₄				h				SW 1				SW 2				SW 3				Order No.*		
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	Type G	Type K	Type S
L	315	6	30,5	1.20	20	0.79	36	1.42	29,5	1.16	24	0.94	14	0.55	24	0.94	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	SMK 10 - 6L-VG	SMK 10 - 6L-VK	SMK 10 - 6-VS
		8	30,5	1.20	20	0.79	36	1.42	29,5	1.16	24	0.94	17	0.67	24	0.94	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	SMK 10 - 8L-VG	SMK 10 - 8L-VK	SMK 10 - 8-VS
		10	31,5	1.24	22	0.87	38	1.50	29,5	1.16	24	0.94	19	0.75	24	0.94	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	SMK 10 - 10L-VG	SMK 10 - 10L-VK	SMK 10 - 10-VS
		12	32,5	1.28	22	0.87	38	1.50	31	1.22	27	1.06	22	0.87	27	1.06	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	SMK 10 - 12L-VG	SMK 10 - 12L-VK	SMK 10 - 12-VS
		15	21	0.83			28	1.10	32,5	1.28	30	1.18	27	1.06			38	1.50	38	1.50	38	1.50	38	1.50	38	1.50	38	1.50	38	1.50	SMK 10 - 15L-VG	SMK 10 - 15L-VK	SMK 10 - 15-VS
		18	19,5	0.77			28	1.10	33,5	1.32	32	1.26	32	1.26			40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	SMK 10 - 18L-VG	SMK 10 - 18L-VK	SMK 10 - 18-VS
	160	22	20,5	0.81			30	1.18	35,5	1.40	36	1.42	36	1.42			42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	SMK 10 - 22L-VG	SMK 10 - 22L-VK	SMK 10 - 22-VS
		28	25	0.98			32	1.26	38	1.50	41	1.61	41	1.61			46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	SMK 10 - 28L-VG	SMK 10 - 28L-VK	SMK 10 - 28-VS
		35	30	1.18			42	1.65	40,5	1.59	46	1.81	50	1.97			50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	SMK 10 - 35L-VG	SMK 10 - 35L-VK	SMK 10 - 35-VS
		42	31	1.22			45	1.77	45	1.77	55	2.17	60	2.36			55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	SMK 10 - 42L-VG	SMK 10 - 42L-VK	SMK 10 - 42-VS
S	630	6	29,5	1.16	20	0.79	36	1.42	29,5	1.16	24	0.94	17	0.67	24	0.94	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	27	1.06	SMK 10 - 6S-VG	SMK 10 - 6S-VK	SMK 10 - 6-VS
		8	31,5	1.24	20	0.79	36	1.42	29,5	1.16	24	0.94	19	0.75	24	0.94	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	32	1.26	SMK 10 - 8S-VG	SMK 10 - 8S-VK	SMK 10 - 8-VS
		10	31,5	1.24	22	0.87	38	1.50	29,5	1.16	24	0.94	22	0.87	24	0.94	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	34	1.34	SMK 10 - 10S-VG	SMK 10 - 10S-VK	SMK 10 - 10-VS
		12	32,5	1.28	22	0.87	38	1.50	29,5	1.16	24	0.94	24	0.94	24	0.94	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	36	1.42	SMK 10 - 12S-VG	SMK 10 - 12S-VK	SMK 10 - 12-VS
		14	19,5	0.77	22	0.87	38	1.50	31	1.22	27	1.06	27	1.06			40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	40	1.57	SMK 10 - 14S-VG	SMK 10 - 14S-VK	SMK 10 - 14-VS
		16	28	1.10			28	1.10	32,5	1.28	30	1.18	30	1.18			42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	42	1.65	SMK 10 - 16S-VG	SMK 10 - 16S-VK	SMK 10 - 16-VS
	400	20	24	0.94			30	1.18	35,5	1.40	36	1.42	36	1.42			46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	46	1.81	SMK 10 - 20S-VG	SMK 10 - 20S-VK	SMK 10 - 20-VS
		25	26	1.02			36	1.42	38	1.50	41	1.61	46	1.81			50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	SMK 10 - 25S-VG	SMK 10 - 25S-VK	SMK 10 - 25-VS
		30	30	1.18			41	1.61	40,5	1.59	46	1.81	50	1.97			50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	50	1.97	SMK 10 - 30S-VG	SMK 10 - 30S-VK	SMK 10 - 30-VS
		315	34	1.34			48	1.89	45	1.77	55	2.17	60	2.36			55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	55	2.17	SMK 10 - 38S-VG	SMK 10 - 38S-VK	SMK 10 - 38-VS

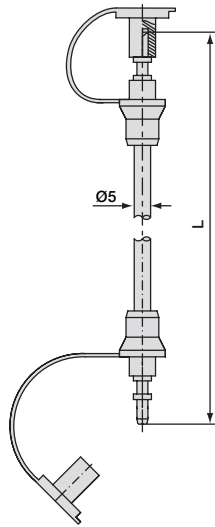
* For EPDM seals replace "P" with "E"

Test Hose SMS

The image shows a technical drawing of a hose assembly. It consists of a vertical section with a hose at the top, a connector, a long central section, another connector, and a hose at the bottom. A vertical dimension line on the right side of the assembly is labeled 'L', indicating the total length. A callout 'Ø5' with arrows points to the diameter of the central section.

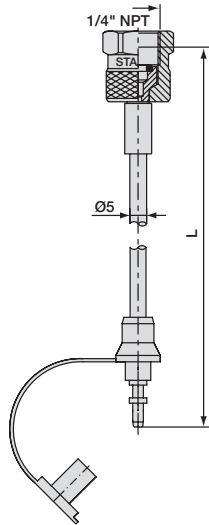
Length L		Order No.	Notice
mm	in		
305	12	SMS-10-305-B	Nominal bore 0.08" (2 mm) Minimum bending radius 0.75" (20 mm)
610	24	SMS-10-610-B	
915	36	SMS-10-915-B	
1219	48	SMS-10-1219-B	Pressure/t° factor to 0°C 122 % at 30°C 110 % at 50°C 100 % at 80°C 86 % at 100°C 77 %
1524	60	SMS-10-1524-B	
1829	72	SMS-10-1829-B	
2438	96	SMS-10-2438-B	Bending protection and other lengths on request.
3048	120	SMS-10-3048-B	

Hose length is in millimeters



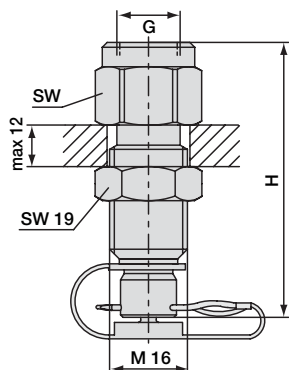
Test Hose SMS for direct gauge adaptor

Length L		Order No.	Notice
mm	in		
305	12	SMS-10/N¼-305mm-B	Nominal bore 0.08" (2 mm) Minimum bending radius 0.75" 20 mm Pressure/t° factor to 0°C 122 % at 30°C 110 % at 50°C 100 % at 80°C 86 % at 100°C 77 % Bending protection and other lengths on request.
610	24	SMS-10/N¼-610mm-B	
915	36	SMS-10/N¼-915mm-B	
1219	48	SMS-10/N¼-1219mm-B	
1524	60	SMS-10/N¼-1524mm-B	
1829	72	SMS-10/N¼-1829mm-B	
2438	96	SMS-10/N¼-2438mm-B	
3048	120	SMS-10/N¼-3048mm-B	



Gauge Adaptor SMA

G	H		SW	Order No.	
	mm	in		NBR (BUNA)	FPM (VITON) (Standard)
G ¼	57	2.24	19	SMA 10 – G ¼ – P-OR	SMA 10 – G ¼ – V-OR
G ½	67	2.64	27	SMA 10 – G ½ – P-OR	SMA 10 – G ½ – V-OR
¼ NPT	57	2.24	19	SMA 10 – ¼ NPT-P	SMA 10 – ¼ NPT-V
½ NPT	67	2.64	27	SMA 10 – ½ NPT-P	SMA 10 – ½ NPT-V
Damping element on request					



Through-hole
Ø 18

Working Pressure Up to 9000 PSI (630 bar)

Technical Data for Test-Hoses (Type B is Standard)

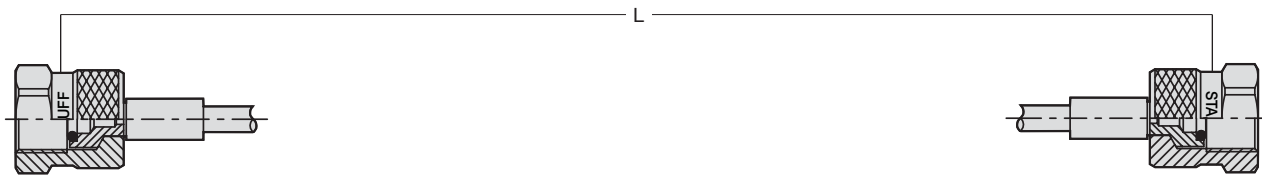
Ordering Code			A	B*	C
Nominal Bore (DN)			DN 2	DN 2	DN 4
Max. Working Pressure (PN)			6000 (400)	9000 (630)	4900 (340)
Min. Bursting Pressure			15950 (1100)	27000 (1900)	12325 (850)
Testing Pressure			8700 (600)	13775 (950)	8265 (570)
Pressure rating in bar at indicated temperature	at 32°F (0°C)	PSI/(bar)	6500 (488)	11136 (768)	6713 (463)
	at 86°F (30°C)	PSI/(bar)	6380 (440)	10048 (693)	6061 (418)
	at 122°F (50°C)	PSI/(bar)	5800 (400)	9138 (630)	5510 (380)
	at 176°F (80°C)	PSI/(bar)	4988 (344)	7859 (542)	4741 (327)
	at 212°F (100°C)	PSI/(bar)	446 (308)	7032 (485)	4248 (293)
Working Temperature			-31°F ... 212°F (-35°C ... 100°C)		
Inside Diameter			0.08" (2)	0.08" (2)	0.16" (4)
Outside Diameter			0.2" (5)	0.2" (5)	0.34" (8,6)
Bending Radius	at working pressure	0.79" (20)	0.79" (20)	1.57" (40)	
	at -4°F (-20°C)	1.18" (30)	1.18" (30)	2.36" (60)	
Max. Coil Length			325' (100)	325' (100)	325' (100)
Weight/m			0.5 (16)	0.5 (16)	1.35 (42)
Inner/outer tube			PA	PA	PA
Reinforcement			Synthetic fiber	Synthetic fiber	Synthetic fiber

Hose ends made of 9 S Mn Pb 28 (1.0718), zinc plated and chromated

Stainless steel on request

*Standard version

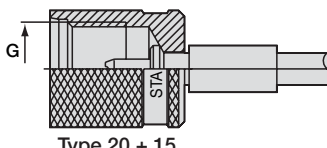
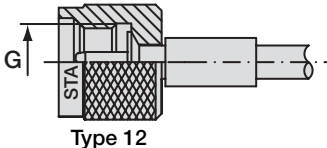
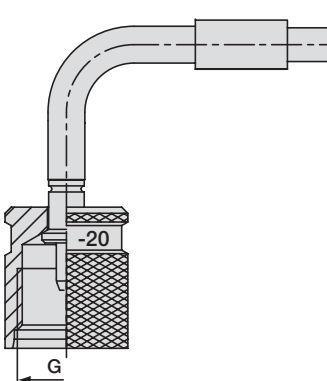
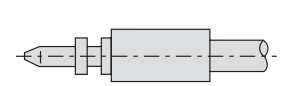
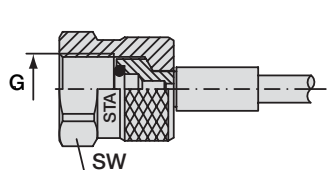
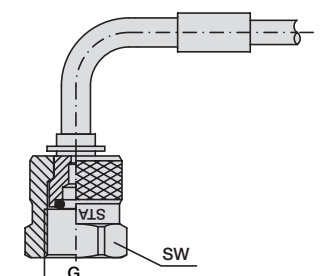
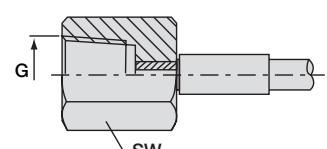
Ordering Code

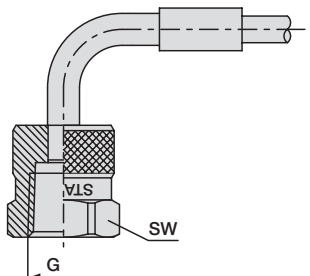
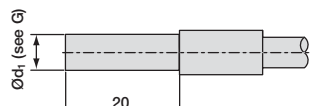
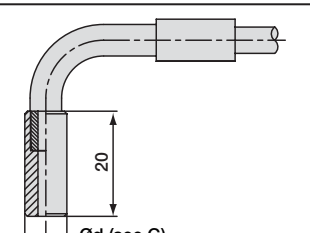
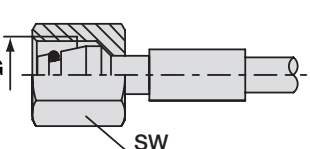
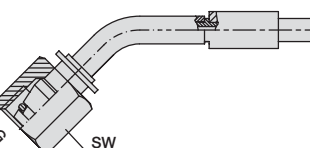
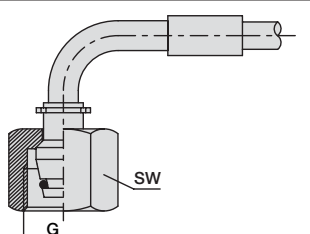


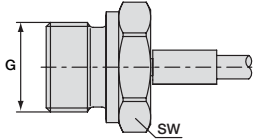
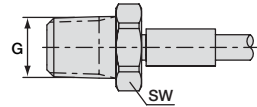
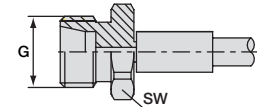
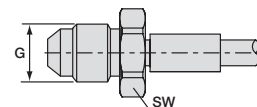
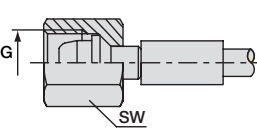
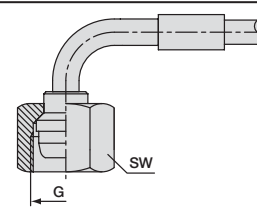
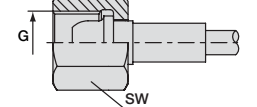
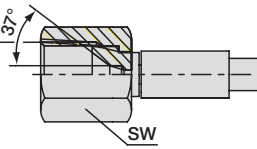
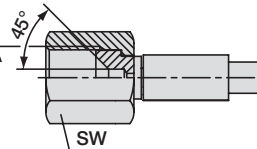
SMS			20	/ M ...	—	1219 mm	—	B
Hose End 1 (see Type page T25...T28)			Hose End 2 (see Type page T25 - T28)			Length (L)	Nominal bore/Pressure Rating	
20	A	J	only specify when 2 different hose ends are required			Length in mm (mm)	A	= DN 2 400 bar – 6000 PSI (400 bar)
15	S	D					B*	= DN 2 630 bar – 9100 PSI (630 bar)
12	K	B					C	= DN 4 340 bar – 4900 PSI (340 bar)
10	L	U					D	= DN 4 630 bar – 9100 PSI (630 bar)
M	G	P						
N	F							
W	C							

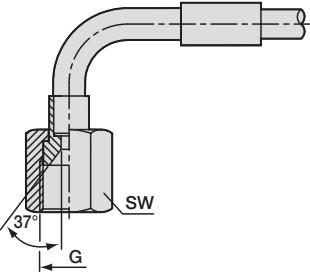
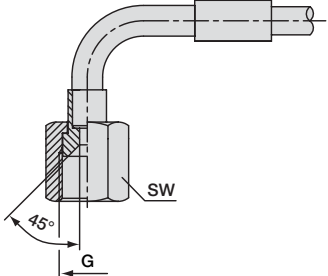
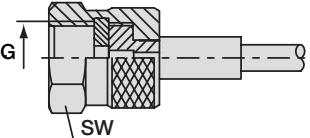
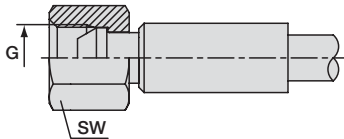
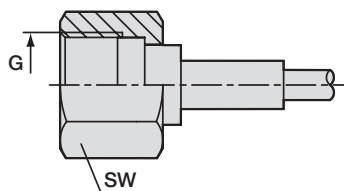
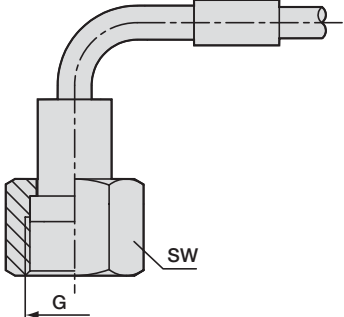
For Gaseous Media Type Code is "SGS" instead of "SMS".

* Standard version

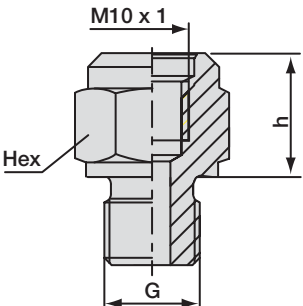
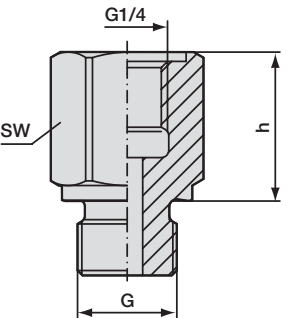
Description	Hose end	Type	G	SW		Nominal Bore Hose DN
				mm	in	
STAUFF-TEST Screw-type Suitable for test points	 Type 20 + 15  Type 12		20	M 16	x 2	2 and 4
			15	M 16	x 1,5	
			12	S 12,65	x 1,5	
STAUFF-TEST Screw-type 90° elbow Suitable for test points	 -20	O	20	M 16	x 2	2
			15	M 16	x 1,5	
			12	S 12,65	x 1,5	
STAUFF-TEST Plug in-type			10	Plug in system		2
Gauge adapter BSP-thread for G 3/8 and G 1/2 BSP is similar to swivel nut type N	 SW	M	1/4	G 1/4	19 0.75	2 and 4
			1/2	G 1/2	27 1.06	
			3/8	G 3/8	22 0.87	
						2
90° elbow gauge adapter BSP-thread for G 3/8 and G 1/2 is similar to swivel nut type N	 SW	W	1/4	G 1/4	19 0.75	2 and 4
			1/2	G 1/2	27 1.06	
Gauge adapter NPT-thread	 SW	N	1/4	1/4 NPT	19 0.75	2
			1/2	1/2 NPT	27 1.06	

Description	Hose end	Type	G	SW		Nominal Bore Hose DN
				mm	in	
90° elbow gauge adapter NPT-thread		A	1/4	1/4 NPT	19	2 and 4
			1/2	1/2 NPT	27	
					0.75	
					1.06	
Standpipe according to DIN 2353		S	4	4 LL		2
			6	6 L – 6 S		2/4
			8	8 L – 8 S		2/4
			10	10 L – 10 S		2/4
			12	12 L – 12 S		2
			15	15 L		2
			1/4	1/4		2/4
Standpipe according to DIN 2353 90° elbow		on request				2 and 4
Seal with O-ring for 24° cone fitting according to DIN 2353 c/w swivel nut		K	6 LL	M10 x 1,0	12	4
			6 L	M12 x 1,5	14	2/4
			8 L	M14 x 1,5	17	2/4
			10 L	M16 x 1,5	19	2/4
			12 L	M18 x 1,5	22	2/4
			6 S	M14 x 1,5	17	2/4
			8 S	M16 x 1,5	19	2/4
			10 S	M18 x 1,5	22	2/4
			12 S	M20 x 1,5	24	2/4
Seal with O-ring for 24° cone fitting according to DIN 2353 c/w swivel nut 45° elbow		R	6 S	M14 x 1,5	17	2 and 4
					0.67	
Seal with O-ring for 24° cone fitting according to DIN 2353 c/w swivel nut 90° elbow		L	6 L	M12 x 1,5	14	2 and 4
			8 L	M14 x 1,5	17	
			10 L	M16 x 1,5	19	
			6 S	M14 x 1,5	17	
			8 S	M16 x 1,5	19	
			10 S	M18 x 1,5	24	

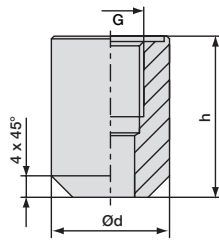
Description	Hose end	Type	G	SW		Nominal Bore Hose DN
				mm	in	
Male thread according to DIN 3852		G	12	M12 x 1,5	17 / 0.67	2 and 4
			1/8	G 1/8	14 / 0.55	
			1/4	G 1/4	19 / 0.75	
			1/2	G 1/2	27 / 1.06	
Male thread NPT according to ANSI-Norm		F	1/8	1/8 NPT	13 / 0.51	
			1/4	1/4 NPT	17 / 0.67	
Male thread for 24° cone fitting according to DIN 3852		C	6 L	M12 x 1,5	14 / 0.55	
			8 L	M14 x 1,5	17 / 0.67	
			6 S	M14 x 1,5	17 / 0.67	
			8 S	M16 x 1,5	17 / 0.67	
Male thread according to SAE J 514		J	1/4	7/16 - UNF	14 / 0.55	
			5/16	1/2 - UNF	14 / 0.55	
			3/8	9/16 - UNF	17 / 0.67	
Universal sealing head with swivel nut for 24° cone fitting according to DIN 2353		D	6 L	M12 x 1,5	14 / 0.55	
			8 L	M14 x 1,5	17 / 0.67	
			10 L	M16 x 1,5	19 / 0.75	
			12 L	M18 x 1,5	22 / 0.87	
			6 S	M14 x 1,5	17 / 0.67	
			8 S	M16 x 1,5	19 / 0.75	
			10 S	M18 x 1,5	22 / 0.87	
			12 S	M20 x 1,5	24 / 0.94	
Universal sealing head with swivel nut for 24° cone fitting according to DIN 2353 90° elbow		Q	10 L	M16 x 1,5	19 / 0.75	
			10 S	M18 x 1,5	22 / 0.87	
Sealing head with swivel nut for cone fitting according to DIN 8542		B	1/4	G 1/4	17 / 0.67	
Sealing head with swivel nut according to SAE J 514 37° cone		U	1/4	7/16 - 20 UNF	14 / 0.55	
			5/16	1/2 - 20 UNF	17 / 0.67	
			3/8	9/16 - 18 UNF	19 / 0.75	
Sealing head with swivel nut according to SAE J 514 f 45° cone		UR	1/4	7/16 - 20 UNF	14 / 0.55	2

Description	Hose end	Type	G	SW		Nominal Bore Hose DN
				mm	in	
Sealing head with swivel nut according to SAE J 514 37° cone 90° elbow		E	1/4	7/16 - 20 UNF	14 / 0.55	2
Sealing head with swivel nut according to SAE J 514 f 45° cone 90° elbow		ER	1/4	7/16 - 20 UNF	14 / 0.55	2
Test hose for air brake systems		P	2	M 16 x 1,5	19 / 0.75	
Sealing head with swivel nut 60° cone		H	1/4	G 1/4	17 / 0.67	4
Screw-type ORS according to SAE J 1453		T	11/16	11/16 - 16 UN	21 / 0.83	2
Screw-type ORS according to SAE J 1453 90° elbow		V	11/16	11/16 - 16 UN	21 / 0.83	2 and 4

Thread adaptor SRS

	Thread G	Seal	h		Hex		Version	Order No. SRS
			mm	in	mm	in		
 Version A	M10x1	Metal joint Type B	15,5	0.61	17	0.67	A	SRS20-M10x1-B
	M12x1,5		15	0.59	19	0.75	A	SRS20-M12x1,5-B
	M14x1,5		15	0.59	19	0.75	A	SRS20-M14x1,5-B
	M16x1,5		8	0.31	22	0.87	A	SRS20-M16x1,5-B
	M18x1,5		15	0.59	24	0.94	A	SRS20-M18x1,5-B
	M22x1,5		10,5	0.41	27	1.06	A	SRS20-M22x1,5-B
	G¹/₈		15,5	0.61	17	0.86	A	SRS20-G ¹ / ₈ -B
	G¹/₄		15	0.59	19	0.75	A	SRS20-G ¹ / ₄ -B
	G³/₈		10,5	0.41	22	0.87	A	SRS20-G ³ / ₈ -B
	G¹/₂		10,5	0.41	27	1.06	A	SRS20-G ¹ / ₂ -B
	M12x1,5	Elastomeric seal Type C	15	0.59	19	0.75	A	SRS20-M12x1,5-PC
	M14x1,5		15	0.59	19	0.75	A	SRS20-M14x1,5-PC
	M18x1,5		15	0.59	24	0.94	A	SRS20-M18x1,5-PC
	G¹/₈		16	0.63	17	0.67	A	SRS20-G ¹ / ₈ -PC
	G¹/₄		15	0.59	19	0.75	A	SRS20-G ¹ / ₄ -PC
	G³/₈		10,5	0.41	22	0.87	A	SRS20-G ³ / ₈ -PC
	G¹/₂		10,5	0.41	27	1.06	A	SRS20-G ¹ / ₂ -PC
	R¹/₄K	Taper Type D suitable sealant required	13	0.51	17	0.67	A	SRS20-R ¹ / ₄ K-D
	R³/₈K		13	0.51	19	0.75	A	SRS20-R ³ / ₈ K-D
	R¹/₂K		8	0.31	22	0.87	A	SRS20-R ¹ / ₂ K-D
	1/4NPT		10	0.39	17	0.67	A	SRS20-1/4NPT-D
	1/2NPT		8	0.31	22	0.87	A	SRS20-1/2NPT-D
 Version B	7/16-20UNF	O-Ring Type E	9	0.35	17	0.67	A	SRS20-7/16UNF-PE
	1/2-20UNF		15	0.59	17	0.67	A	SRS20-1/2UNF-PE
	9/16-18UNF		15,5	0.61	19	0.75	A	SRS20-9/16UNF-PE
	7/8-14UNF		11	0.43	27	1.06	A	SRS20-7/8UNF-PE
	M14x1,5		14,5	0.57	19	0.75	A	SRS20-M14x1,5-PE
	M16x1,5		8,5	0.33	22	0.87	A	SRS20-M16x1,5-PE
	M22x1,5		10	0.39	27	1.06	A	SRS20-M22x1,5-PE
	M27x2		10	0.39	32	1.26	A	SRS20-M27x2-PE
	M14x1,5	Metal joint Type B	24	0.94	19	0.75	B	SRS15-M14x1,5-B
	M16x1,5		24	0.94	22	0.87	B	SRS15-M16x1,5-B
	M18x1,5		24	0.94	24	0.94	B	SRS15-M18x1,5-B
	M20x1,5		10,5	0.41	27	1.06	B	SRS15-M20x1,5-B
	G³/₈		24	0.94	22	0.87	B	SRS15-G ³ / ₈ -B
	G¹/₂		10,5	0.41	27	1.06	B	SRS15-G ¹ / ₂ -B
	M14x1,5	Elastomeric seal Type C	24	0.94	19	0.75	B	SRS15-M14x1,5-PC
	M16x1,5		24	0.94	22	0.87	B	SRS15-M16x1,5-PC
	M18x1,5		24	0.94	24	0.94	B	SRS15-M18x1,5-PC
	G³/₈		24	0.94	22	0.87	B	SRS15-G ³ / ₈ -PC

Welding adaptor SAS

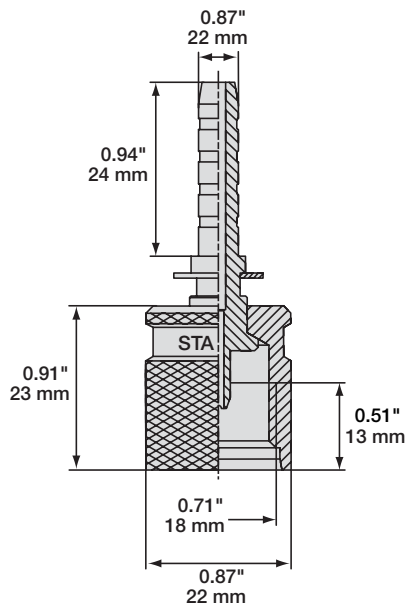


Material: St 37, black finished

Thread G	Port connection	h		Ød		Order No. SAS
		mm	in	mm	in	
M10x1	Type A	25	0.98	20	0.79	SAS-M10x1
G ¹ / ₈	Type B/C	25	0.98	20	0.79	SAS-G ¹ / ₈
G ¹ / ₄		30	1.18	22	0.87	SAS-G ¹ / ₄
G ³ / ₈		30	1.18	25	0.98	SAS-G ³ / ₈
¹ / ₄ NPT	Type D	25	0.98	20	0.79	SAS- ¹ / ₄ NPT
¹ / ₂ -20UNF	Type E	25	0.98	20	0.79	SAS- ¹ / ₂ UNF

TEST

Sampling Hose Adaptor-SHA



- Special Hose Adaptor for taking oil samples from Hydraulic Systems.
- Uses 1/4" O.D. Polyurethane Hose.
- Stauff Test 20 Connection
- Order No. SHA 20 - 5.5 mm

Union Adaptor SSV (for connecting 2 SMS Hoses)



Connection	Order Number
Stauff Test 20	SSV 20/20
Stauff Test 12	SSV 12/12
Stauff Test 15	SSV 15/15