

Fast coupling for:

- Monitoring and control of pressure
- Venting
- Sampling in high, low and vacuum systems

Advantages:

- Coupling at system pressure level
- Leakproof connection before **ball valve** is open
- Simple connection to measuring, control and switching devices
- Self locking metal guard cap

Working pressure:

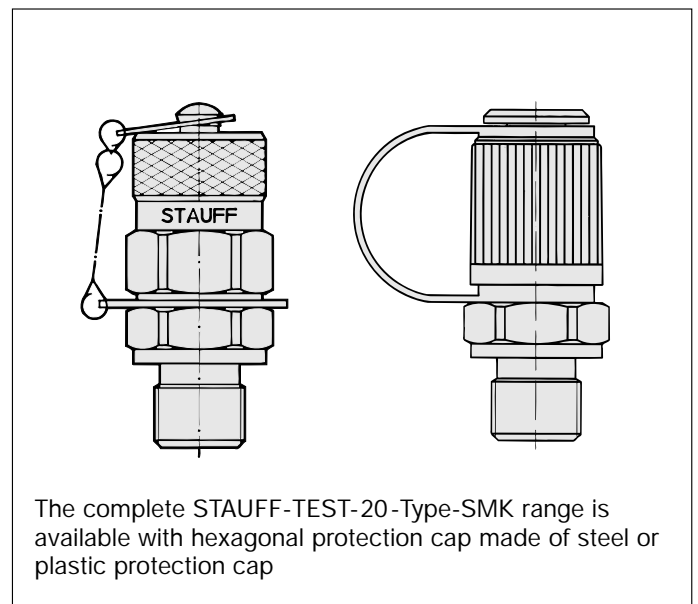
- Max. working pressure 630 bar
For SMK style G, K and S the recommended working pressure of fitting manufacturer has to be applied
- Joining under pressure up to 400 bar max.

Materials:

- Metal parts: Steel, Stainless Steel on request
- Ball: Stainless Steel
- Seals:
P = NBR (Temperature range - 20° C to + 90° C)
V = FPM (Temperature range - 20° C to + 200° C)
E = EPDM Ethylene Propylene (for Break Fluid)
Temperature range - 40° C to + 150° C
- Hose: Polyamide (Temperature range -35° C... 100° C max.)

Media:

- Suitable for hydraulic oils and other mineral oil based fluids (Please pay attention to the sealing materials used!)
- For use in conjunction with other liquid media please consult STAUFF



Test coupling with protective cap SMK

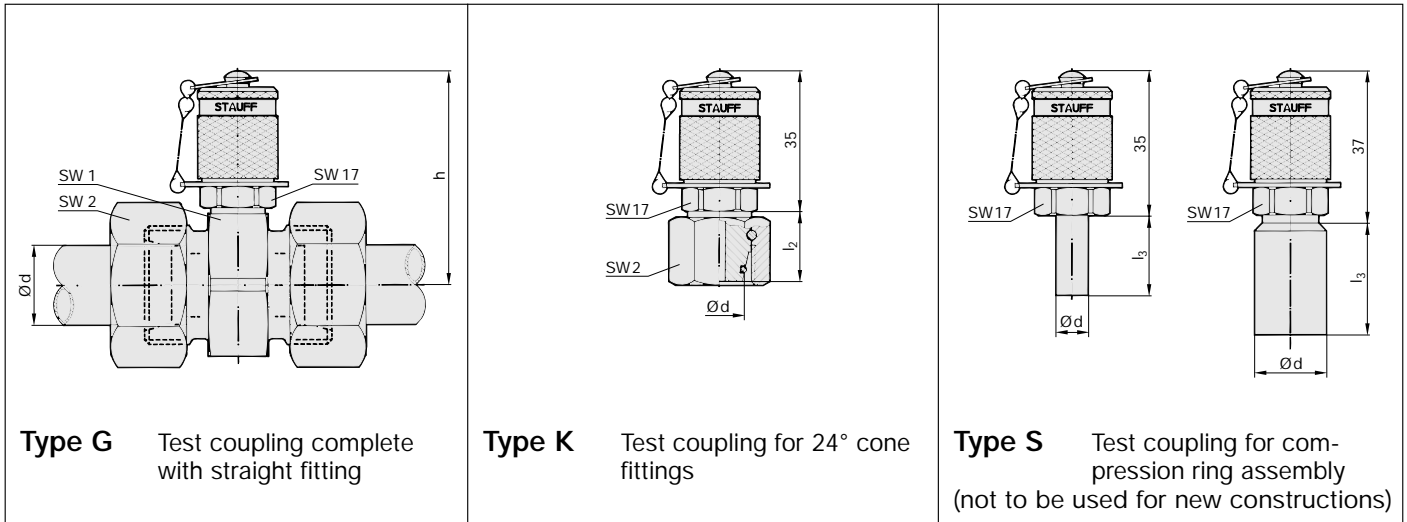
	Thread G	h	SW	Order No.		Seal
				NBR	FPM	
	M8 x 1	37	17	SMK 20 – M8 x 1 – PA	SMK 20 – M8 x 1 – VA	O-Ring Type A
M10 x 1	37	17	SMK 20 – M10 x 1 – PA	SMK 20 – M10 x 1 – VA	O-Ring Type A	
M12 x 1,5	37	17	SMK 20 – M12 x 1,5 – PC	SMK 20 – M12 x 1,5 – VC	O-Ring Type C	
M14 x 1,5	37	19	SMK 20 – M14 x 1,5 – PB	SMK 20 – M14 x 1,5 – VB	Metal joint Type B	
M16 x 1,5	37	22	SMK 20 – M16 x 1,5 – PB	SMK 20 – M16 x 1,5 – VB	Metal joint Type B	
G 1/8	39	17	SMK 20 – G 1/8 – PC	SMK 20 – G 1/8 – VC	O-Ring Type C	
G 1/4	37	19	SMK 20 – G 1/4 – PB	SMK 20 – G 1/4 – VB	Metal joint Type B	
G 1/4	37	19	SMK 20 – G 1/4 – PC	SMK 20 – G 1/4 – VC	O-Ring Type C	
G 3/8	37	22	SMK 20 – G 3/8 – PB	SMK 20 – G 3/8 – VB	Metal joint Type B	
R 1/8 taper	37	17	SMK 20 – R 1/8 K-PD	SMK 20 – R 1/8 K-VD	Taper Type D	
R 1/4 taper	36	17	SMK 20 – R 1/4 K-PD	SMK 20 – R 1/4 K-VD	Taper Type D	
1/8 NPT	36	17	SMK 20 – 1/8 NPT-PD	SMK 20 – 1/8 NPT-VD	Taper Type D	
1/4 NPT	35	17	SMK 20 – 1/4 NPT-PD	SMK 20 – 1/4 NPT-VD	Taper Type D	
5/16 – 24 UNF	38	17	SMK 20 – 5/16 UNF-PE	SMK 20 – 5/16 UNF-VE	O-Ring Type E	
7/16 – 20 UNF	38	17	SMK 20 – 7/16 UNF-PE	SMK 20 – 7/16 UNF-VE	O-Ring Type E	
1/2 – 20 UNF	38	17	SMK 20 – 1/2 UNF-PE	SMK 20 – 1/2 UNF-VE	O-Ring Type E	
9/16 – 18 UNF	37	19	SMK 20 – 9/16 UNF-PE	SMK 20 – 9/16 UNF-VE	O-Ring Type E	

Other port connections and seals on request.

Port connections and seals

Type A					Type B					Type C					Type D			Type E					
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
M8 x 1	9,5 + 0,1	11	15,5		M14 x 1,5	20	12	18,5	1,5	M12 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
M10 x 1	11,5 + 0,1	12	16,5		M16 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
					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
					G 3/8	23	12	18,5	2						1/4 NPT	10	16,4	9/16 – 18 UNF	15,6	25	12,7	15,5	2,5

Test coupling SMK (compression ring fittings acc. to DIN 2353)

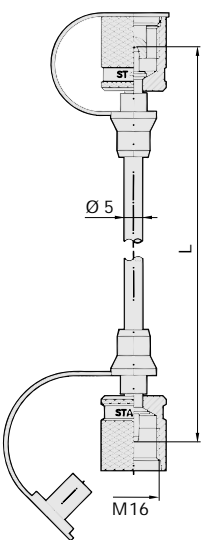
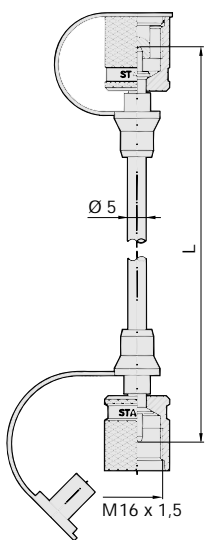
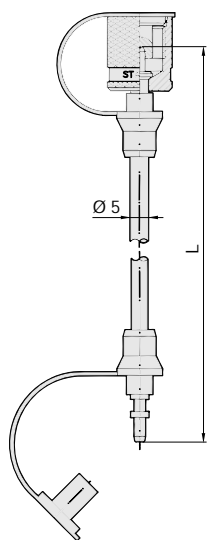
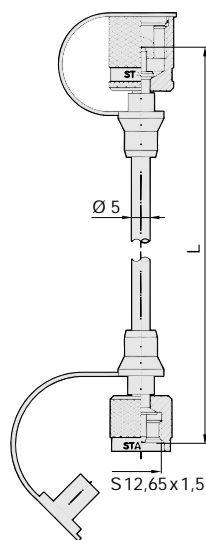
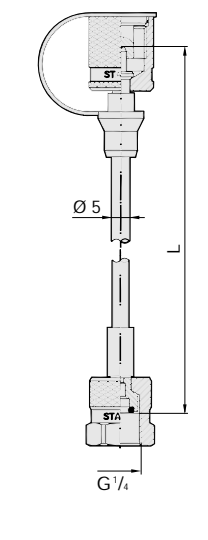


Series	PN	Pipe Ød	l ₂	l ₃	h	SW 1	SW 2	Order No.*		
								Type G	Type K	Type S
L	315	6	15,5	20	49	24	14	SMK 20 - 6L-PG	SMK 20 - 6L-PK	SMK 20 - 6-PS
		8	15,5	20	49	24	17	SMK 20 - 8L-PG	SMK 20 - 8L-PK	SMK 20 - 8-PS
		10	16,5	22	49	24	19	SMK 20 - 10L-PG	SMK 20 - 10L-PK	SMK 20 - 10-PS
		12	17,5	22	50,5	27	22	SMK 20 - 12L-PG	SMK 20 - 12L-PK	SMK 20 - 12-PS
		15	21	25	52	30	27	SMK 20 - 15L-PG	SMK 20 - 15L-PK	SMK 20 - 15-PS
		18	19,5	28	53	32	32	SMK 20 - 18L-PG	SMK 20 - 18L-PK	SMK 20 - 18-PS
	160	22	20,5	30	55	36	36	SMK 20 - 22L-PG	SMK 20 - 22L-PK	SMK 20 - 22-PS
		28	25	32	57,5	41	41	SMK 20 - 28L-PG	SMK 20 - 28L-PK	SMK 20 - 28-PS
35		30	42	60	46	50	SMK 20 - 35L-PG	SMK 20 - 35L-PK	SMK 20 - 35-PS	
42		31	45	64,5	55	60	SMK 20 - 42L-PG	SMK 20 - 42L-PK	SMK 20 - 42-PS	
S	630	6	14,5	20	49	24	17	SMK 20 - 6S-PG	SMK 20 - 6S-PK	SMK 20 - 6-PS
		8	16,5	20	49	24	19	SMK 20 - 8S-PG	SMK 20 - 8S-PK	SMK 20 - 8-PS
		10	16,5	22	49	24	22	SMK 20 - 10S-PG	SMK 20 - 10S-PK	SMK 20 - 10-PS
		12	17,5	22	49	24	24	SMK 20 - 12S-PG	SMK 20 - 12S-PK	SMK 20 - 12-PS
		14	19,5	22	50,5	27	27	SMK 20 - 14S-PG	SMK 20 - 14S-PK	SMK 20 - 14-PS
	400	16	18	28	52	30	30	SMK 20 - 16S-PG	SMK 20 - 16S-PK	SMK 20 - 16-PS
		20	24	30	55	36	36	SMK 20 - 20S-PG	SMK 20 - 20S-PK	SMK 20 - 20-PS
		25	26	36	57,5	41	46	SMK 20 - 25S-PG	SMK 20 - 25S-PK	SMK 20 - 25-PS
		30	30	41	60	46	50	SMK 20 - 30S-PG	SMK 20 - 30S-PK	SMK 20 - 30-PS
		315	38	34	48	64,5	55	60	SMK 20 - 38S-PG	SMK 20 - 38S-PK

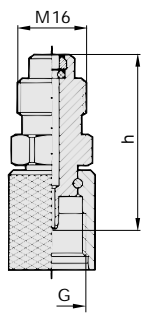
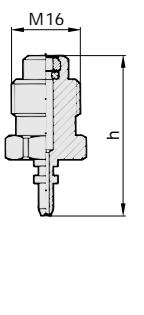
* For ordering FPM seals please replace "P" by "V"

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

Test hose SMS (for gaseous medium Type SGS)

Max. working pressure 400 bar Test hose: Nominal bore 2 mm Minimum bending radius 20 mm Nominal bore 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: 1100 bar	Stauff-Test 20/20 STAUFF-TEST 20  STAUFF-TEST 20	Stauff-Test 15/20 STAUFF-TEST 20  STAUFF-TEST 15	Stauff-Test 10/20 STAUFF-TEST 20  STAUFF-TEST 10	Stauff-Test 12/20 ²⁾ STAUFF-TEST 20  STAUFF-TEST 12	Stauff-Test 20/M ¹ / ₂ -P-OR ³⁾ STAUFF-TEST 20  GAUGE ADAPTOR
	Length L ¹⁾	Order No.			
200	SMS-20 – 200-A	SMS-15/20 – 200-A	SMS-10/20 – 200-A	SMS-12/20 – 200-A	SMS-20/M ¹ / ₂ -P-OR – 200-A
400	SMS-20 – 400-A	SMS-15/20 – 400-A	SMS-10/20 – 400-A	SMS-12/20 – 400-A	SMS-20/M ¹ / ₂ -P-OR – 400-A
630	SMS-20 – 630-A	SMS-15/20 – 630-A	SMS-10/20 – 630-A	SMS-12/20 – 630-A	SMS-20/M ¹ / ₂ -P-OR – 630-A
800	SMS-20 – 800-A	SMS-15/20 – 800-A	SMS-10/20 – 800-A	SMS-12/20 – 800-A	SMS-20/M ¹ / ₂ -P-OR – 800-A
1000	SMS-20 – 1000-A	SMS-15/20 – 1000-A	SMS-10/20 – 1000-A	SMS-12/20 – 1000-A	SMS-20/M ¹ / ₂ -P-OR – 1000-A
1500	SMS-20 – 1500-A	SMS-15/20 – 1500-A	SMS-10/20 – 1500-A	SMS-12/20 – 1500-A	SMS-20/M ¹ / ₂ -P-OR – 1500-A
2000	SMS-20 – 2000-A	SMS-15/20 – 2000-A	SMS-10/20 – 2000-A	SMS-12/20 – 2000-A	SMS-20/M ¹ / ₂ -P-OR – 2000-A
2500	SMS-20 – 2500-A	SMS-15/20 – 2500-A	SMS-10/20 – 2500-A	SMS-12/20 – 2500-A	SMS-20/M ¹ / ₂ -P-OR – 2500-A
3200	SMS-20 – 3200-A	SMS-15/20 – 3200-A	SMS-10/20 – 3200-A	SMS-12/20 – 3200-A	SMS-20/M ¹ / ₂ -P-OR – 3200-A
4000	SMS-20 – 4000-A	SMS-15/20 – 4000-A	SMS-10/20 – 4000-A	SMS-12/20 – 4000-A	SMS-20/M ¹ / ₂ -P-OR – 4000-A
¹⁾ Bending protection and other lengths on request		²⁾ Special thread: buttress thread S 12,65 x 1,5		³⁾ Gauge adaptor 1/4 NPT, G 1/2 and 1/2 NPT on request	

Adaptor SAD

 Type A	 Type B	G	h	Type	Order No.		
					NBR	FPM	
		M16 x 1,5	39	A	SAD 20/15-P	SAD 20/15-V	
		plug in	37	B	SAD 20/10-P	SAD 20/10-V	
			S 12 ¹⁾	39	A	SAD 20/12-P	SAD 20/12-V
¹⁾ Special thread: buttress thread S 12,65 x 1,5							

Bulkhead SSK (for gaseous medium Type SSKK)

	G	h	Type	Order No.	
				NBR	FPM
	M16	72	A	SSK 20-P	SSK 20-V
	M16 x 1,5 ¹⁾	72	B	SSK 20/08 S-P	SSK 20/08 S-V
	M18 x 1,5 ¹⁾	72	B	SSK 20/12 L-P	SSK 20/12 L-V
¹⁾ Compression ring assembly 8 S/12 L acc. to DIN 2353					

Gauge adaptor SMA

	G	h	SW	Order No.	
				NBR	FPM
	G 1/4	54	19	SMA 20 - G 1/4 - P-OR	SMA 20 - G 1/4 - V-OR
	G 1/2	64	27	SMA 20 - G 1/2 - P-OR	SMA 20 - G 1/2 - V-OR
	1/4 NPT	54	19	SMA 20 - 1/4 NPT-P	SMA 20 - 1/4 NPT-V
	1/2 NPT	64	27	SMA 20 - 1/2 NPT-P	SMA 20 - 1/2 NPT-V
Damping element on request					

Direct gauge adaptor SMD

	G	h	SW	Order No.	
				NBR	FPM
	G 1/4	41	19	SMD 20 - G 1/4 - P-OR	SMD 20 - G 1/4 - V-OR
	G 1/2	51	27	SMD 20 - G 1/2 - P-OR	SMD 20 - G 1/2 - V-OR
	1/4 NPT	41	19	SMD 20 - 1/4 NPT-P	SMD 20 - 1/4 NPT-V
	1/2 NPT	51	27	SMD 20 - 1/2 NPT-P	SMD 20 - 1/2 NPT-V
Damping element on request					

Welding adaptor SAS

	Coupling thread G	h	Ød	Order No.
	M10 x 1	25	20	SAS - M10 x 1
	G 1/4	30	22	SAS - G 1/4
Material: St 37				

Thread adaptor SRS

	Thread G	h	SW	Order No.	Seal
	M16 x 1,5	8	22	SRS 20 - M16 x 1,5-B	Metal joint DIN 3852 Type B
	G 1/8	15,5	17	SRS 20 - G 1/8-B	
	G 3/8	10,5	22	SRS 20 - G 3/8-B	
	G 1/2	10,5	27	SRS 20 - G 1/2-B	Port Connection Type D
	R 1/4 taper	13	17	SRS 20 - R 1/4 K-D	