

**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

**Working pressure:**

- Max. working pressure 400 bar  
For SMK Type G, K and S the recommended working pressure of fitting manufacturer has to be applied

**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

**Port connections**

Type A					Type D			
	d <sub>1</sub> (G)	d <sub>2</sub>	t <sub>1</sub>	t <sub>2</sub>		d <sub>1</sub> (G)	t <sub>1</sub>	t <sub>2</sub>
	M 8 x 1	9,5 + 0,1	11	15,5		R 1/8" taper	5,5	9,5
	M10 x 1	11,5 + 0,1	12	16,5				

**Test coupling with protective cap SMK**

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

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

**Type G** Test coupling complete with straight fitting

**Type K** Test coupling for 24° cone fittings

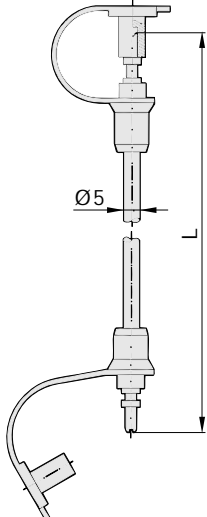
**Type S** Test coupling for compression ring assembly (not to be used for new constructions)

Series	PN	Pipe Ød	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	h	SW 1	SW 2	SW 3	Order No.*		
										Type G	Type K	Type S
L	315	6	30,5	20	36	29,5	24		14	SMK 10 – 6L-PG	SMK 10 – 6L-PK	SMK 10 – 6-PS
		8	30,5	20	36	29,5	24		17	SMK 10 – 8L-PG	SMK 10 – 8L-PK	SMK 10 – 8-PS
		10	31,5	22	38	29,5	24		19	SMK 10 – 10L-PG	SMK 10 – 10L-PK	SMK 10 – 10-PS
		12	32,5	22	38	31	27		22	SMK 10 – 12L-PG	SMK 10 – 12L-PK	SMK 10 – 12-PS
		15	21		28	32,5	30	27		SMK 10 – 15L-PG	SMK 10 – 15L-PK	SMK 10 – 15-PS
		18	19,5		28	33,5	32	32		SMK 10 – 18L-PG	SMK 10 – 18L-PK	SMK 10 – 18-PS
	160	22	20,5		30	35,5	36	36		SMK 10 – 22L-PG	SMK 10 – 22L-PK	SMK 10 – 22-PS
		28	25		32	38	41	41		SMK 10 – 28L-PG	SMK 10 – 28L-PK	SMK 10 – 28-PS
		35	30		42	40,5	46	50		SMK 10 – 35L-PG	SMK 10 – 35L-PK	SMK 10 – 35-PS
		42	31		45	45	55	60		SMK 10 – 42L-PG	SMK 10 – 42L-PK	SMK 10 – 42-PS
S	630	6	29,5	20	36	29,5	24		17	SMK 10 – 6S-PG	SMK 10 – 6S-PK	SMK 10 – 6-PS
		8	31,5	20	36	29,5	24		19	SMK 10 – 8S-PG	SMK 10 – 8S-PK	SMK 10 – 8-PS
		10	31,5	22	38	29,5	24		22	SMK 10 – 10S-PG	SMK 10 – 10S-PK	SMK 10 – 10-PS
		12	32,5	22	38	29,5	24		24	SMK 10 – 12S-PG	SMK 10 – 12S-PK	SMK 10 – 12-PS
		14	19,5	22	38	31	27	27		SMK 10 – 14S-PG	SMK 10 – 14S-PK	SMK 10 – 14-PS
	400	16	18		28	32,5	30	30		SMK 10 – 16S-PG	SMK 10 – 16S-PK	SMK 10 – 16-PS
		20	24		30	35,5	36	36		SMK 10 – 20S-PG	SMK 10 – 20S-PK	SMK 10 – 20-PS
		25	26		36	38	41	46		SMK 10 – 25S-PG	SMK 10 – 25S-PK	SMK 10 – 25-PS
		30	30		41	40,5	46	50		SMK 10 – 30S-PG	SMK 10 – 30S-PK	SMK 10 – 30-PS
		315	38	34		48	45	55	60	SMK 10 – 38S-PG	SMK 10 – 38S-PK	SMK 10 – 38-PS

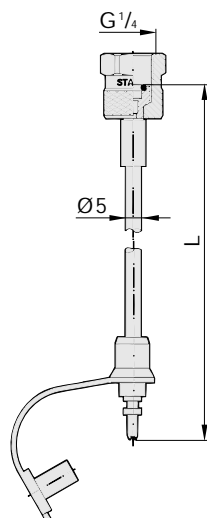
\* For ordering FPM seals please replace "P" by "V"

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

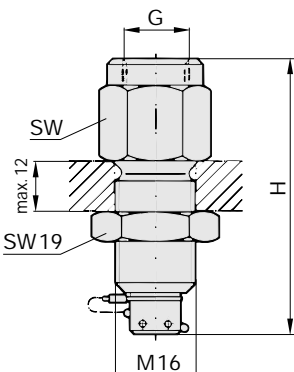
### Test hose SMS

	Length L	Order No.	Notice
	200	SMS-10 – 200-A	<b>Nominal bore 2 mm</b>  Minimum bending radius 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.
	400	SMS-10 – 400-A	
	630	SMS-10 – 630-A	
	800	SMS-10 – 800-A	
	1000	SMS-10 – 1000-A	
	1500	SMS-10 – 1500-A	
	2000	SMS-10 – 2000-A	
	2500	SMS-10 – 2500-A	
	3200	SMS-10 – 3200-A	
4000	SMS-10 – 4000-A		

### Test hose SMS for direct gauge adaptor

	Length L	Order No.	Notice
	200	SMS-10/M'¼-P-OR – 200-A	<b>Nominal bore 2 mm</b>  Minimum bending radius 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.
	400	SMS-10/M'¼-P-OR – 400-A	
	630	SMS-10/M'¼-P-OR – 630-A	
	800	SMS-10/M'¼-P-OR – 800-A	
	1000	SMS-10/M'¼-P-OR – 1000-A	
	1500	SMS-10/M'¼-P-OR – 1500-A	
	2000	SMS-10/M'¼-P-OR – 2000-A	
	2500	SMS-10/M'¼-P-OR – 2500-A	
	3200	SMS-10/M'¼-P-OR – 3200-A	
4000	SMS-10/M'¼-P-OR – 4000-A		

### Gauge adaptor SMA

	G	H	SW	Order No.	
				NBR	FPM
	G ¼	57	19	SMA 10 – G ¼ – P-OR	SMA 10 – G ¼ – V-OR
	G ½	67	27	SMA 10 – G ½ – P-OR	SMA 10 – G ½ – V-OR
	¼ NPT	57	19	SMA 10 – ¼ NPT-P	SMA 10 – ¼ NPT-V
	½ NPT	67	27	SMA 10 – ½ NPT-P	SMA 10 – ½ NPT-V
Damping element on request					