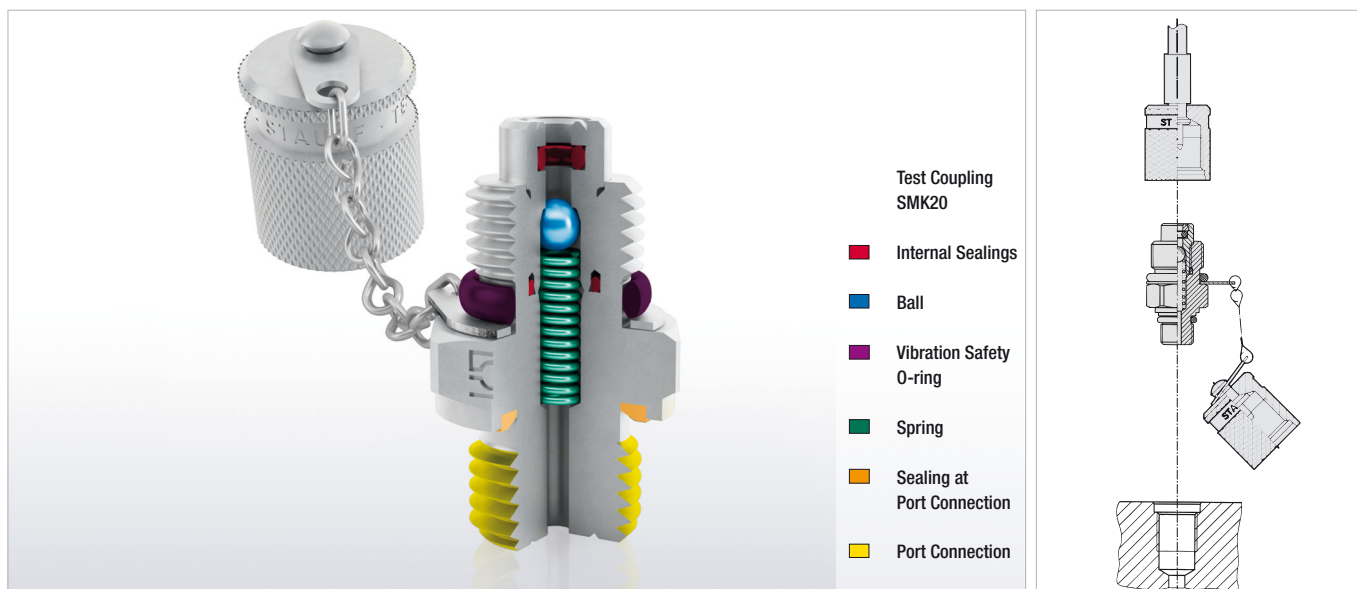


## Test Coupling with Ball Check



### Fast Coupling for

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

### Advantages

- Test system at working pressure
- Leak proof connection before **ball check** is open
- Simple connection to measurement, control and switching devices
- Self locking protective cap

### Working Pressure

- Max. working pressure 630 bar / 9137 PSI  
For SMK Type G and K the recommended working pressure of fitting manufacturer should be noted.
- Connection under pressure up to 400 bar / 5801 PSI max.

### Materials

- Metal Parts:**  
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
Optional:  
Stainless Steel **V2A** (1.4305 / AISI 303) on request  
Stainless Steel **V4A** (1.4571 / AISI 316Ti) on request

For ordering "V2A" or "V4A" please replace "C6F" with "V2A" or "V4A".

- Ball:** Stainless Steel

### Sealings:

**P = NBR (Buna-N®)**

(Temperature range -20 °C ... +100 °C / -4 °F ... +212 °F)

Note: Internal sealings made of FPM, even for standard NBR-type.

**V = FPM (Viton®)\***

(Temperature range -20 °C ... +200 °C / -4 °F ... +392 °F)

**\* Standard option for North America is FPM (Viton®)**

**E = EPDM Ethylene Propylene Diene Monomer Rubber**

(for Brake fluid,

Temperature range -40 °C ... +150 °C / -40 °F ... +302 °F)

For ordering NBR or EPDM sealings please replace "V" with "P" or "E".

Vibration safety O-ring made of NBR (Buna-N®) (standard).

### Media

- Suitable for hydraulic oils and other Mineral oil based fluids (Check compatibility of sealing material)
- For use with other liquid media please consult STAUFF

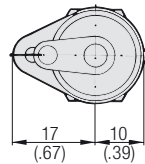
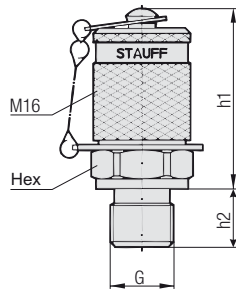
### Protection Cap

- The complete STAUFF-Test-20-type-SMK range is also available with a hexagonal protection cap made of steel or plastic protection cap.

For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-M10x1-VA-SK-C6F)

For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-M10x1-VA-KK-C6F)

SMK20 Test Coupling with Port Connection	SMK20 Type G Test Coupling complete with Straight Fitting	SMK20 Type K Test Coupling for 24° Cone Fittings	SMK20-JIC Test Coupling SMK-JIC Connection (to SAE J514)	SSK20 Bulkhead



## Test Coupling with Port Connection SMK20



Thread G	Sealing	Working Pressure (bar/psi)	Dimensions (mm/in)			Order Codes	
			h1	h2	Hex	NBR	FPM* (Standard Option-North America)
M8 x 1	Type A	250	38	8,5	17	SMK20-M8x1-PA-C6F	SMK20-M8x1-VA-C6F
		3625	1.50	.33	.67		
		630	38	9,8	17		
M10 x 1	Type A	9137	1.50	.39	.67	SMK20-M10x1-PA-C6F	SMK20-M10x1-VA-C6F
		400	37	8	17		
		5801	1.46	.31	.67		
M10 x 1	Type B	630	37	12	17	SMK20-M10x1-PB-C6F	SMK20-M10x1-VB-C6F
		9137	1.46	.47	.67		
		630	37	12	19		
M12 x 1,5	Type B	9137	1.46	.47	.75	SMK20-M12x1,5-PB-C6F	SMK20-M12x1,5-VB-C6F
		630	37	12	19		
		9137	1.46	.47	.75		
M14 x 1,5	Type B	630	37	12	22	SMK20-M14x1,5-PB-C6F	SMK20-M14x1,5-VB-C6F
		9137	1.46	.47	.87		
		400	39	8	17		
M16 x 1,5	Type B	5801	1.54	.31	.67	SMK20-M16x1,5-PB-C6F	SMK20-M16x1,5-VB-C6F
		630	37	12	19		
		9137	1.46	.47	.75		
G1/8	Type C	630	37	12	22	SMK20-G1/8-PB-C6F	SMK20-G1/8-VB-C6F
		9137	1.46	.47	.75		
		630	37	12	19		
G1/4	Type C	9137	1.46	.47	.75	SMK20-G1/4-PB-C6F	SMK20-G1/4-VB-C6F
		630	37	12	22		
		9137	1.46	.47	.87		
G3/8	Type C	630	37	12	22	SMK20-G3/8-PB-C6F	SMK20-G3/8-VB-C6F
		9137	1.46	.47	.87		
		400	39	8	17		
M10 x 1	Type D	5801	1.54	.31	.67	SMK20-M10x1-PC-C6F	SMK20-M10x1-VC-C6F
		630	37	12	17		
		9137	1.46	.47	.67		
M12 x 1,5	Type D	9137	1.46	.47	.67	SMK20-M12x1,5-PC-C6F	SMK20-M12x1,5-VC-C6F
		630	37	12	19		
		9137	1.46	.47	.75		
M14 x 1,5	Type D	630	37	12	19	SMK20-M14x1,5-PC-C6F	SMK20-M14x1,5-VC-C6F
		9137	1.46	.47	.75		
		630	37	12	22		
M16 x 1,5	Type D	9137	1.46	.47	.87	SMK20-M16x1,5-PC-C6F	SMK20-M16x1,5-VC-C6F
		400	39	8	17		
		5801	1.54	.31	.67		
G1/8	Type E	630	37	12	19	SMK20-G1/8-PC-C6F	SMK20-G1/8-VC-C6F
		9137	1.46	.47	.75		
		630	37	12	19		
G1/4	Type E	9137	1.46	.47	.75	SMK20-G1/4-PC-C6F	SMK20-G1/4-VC-C6F
		630	37	12	22		
		9137	1.46	.47	.87		
G3/8	Type E	630	37	12	22	SMK20-G3/8-PC-C6F	SMK20-G3/8-VC-C6F
		9137	1.46	.47	.87		
		630	39	14	27		
G1/2	Type E	9137	1.54	.55	1.06	SMK20-G1/2-PC-C6F	SMK20-G1/2-VC-C6F
		400	37	8	17		
		5801	1.46	.31	.67		
R1/8 K	Type D	630	35	12	17	SMK20-R1/8K-PD-C6F	SMK20-R1/8K-VD-C6F
		9137	1.38	.47	.67		
		400	36	10	17		
R1/4 K	Type D	5801	1.42	.39	.67	SMK20-R1/4K-PD-C6F	SMK20-R1/4K-VD-C6F
		630	35	15	17		
		9137	1.38	.59	.67		
1/8 NPT	Type D	630	35	15	17	SMK20-1/8NPT-PD-C6F	SMK20-1/8NPT-VD-C6F
		9137	1.38	.59	.67		
		400	38	7,5	17		
1/4 NPT	Type D	5.801	1.50	.30	.67	SMK20-1/4NPT-PD-C6F	SMK20-1/4NPT-VD-C6F
		630	38	9,1	17		
		9137	1.50	.36	.67		
5/16-24 UNF	Type E	630	38	9,2	17	SMK20-5/16UNF-PE-C6F	SMK20-5/16UNF-VE-C6F
		9137	1.50	.36	.67		
		630	38	9,2	17		
7/16-20 UNF	Type E	9137	1.50	.36	.67	SMK20-7/16UNF-PE-C6F	SMK20-7/16UNF-VE-C6F
		630	37	10	19		
		9137	1.46	.39	.75		
1/2-20 UNF	Type E	630	37	10	19	SMK20-1/2UNF-PE-C6F	SMK20-1/2UNF-VE-C6F
		9137	1.46	.39	.75		
		630	37	11,1	19		
9/16-18 UNF	Type E	9137	1.46	.44	.75	SMK20-9/16UNF-PE-C6F	SMK20-9/16UNF-VE-C6F
		630	38	9,5	17		
		9137	1.50	.37	.67		
3/4-16 UNF	Type E	630	37	11	17	SMK20-3/4UNF-PE-C6F	SMK20-3/4UNF-VE-C6F
		9137	1.46	.43	.67		
		630	38	9,5	17		
M10 x 1	Type E	9137	1.46	.43	.67	SMK20-M10x1-PE-C6F	SMK20-M10x1-VE-C6F
		630	37	11	17		
		9137	1.46	.43	.67		
M12 x 1,5	Type E	630	38	11	19	SMK20-M12x1,5-PE-C6F	SMK20-M12x1,5-VE-C6F
		9137	1.50	.43	.75		
		630	38	11	19		
M14 x 1,5	Type E	9137	1.50	.43	.75	SMK20-M14x1,5-PE-C6F	SMK20-M14x1,5-VE-C6F
		630	38	11	19		
		9137	1.50	.43	.75		

### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

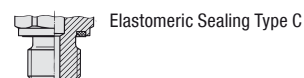
### Sealing Details



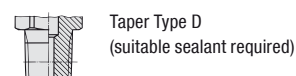
O-ring Type A



Metal Joint Type B



Elastomeric Sealing Type C



Taper Type D  
(suitable sealant required)



O-ring Type E

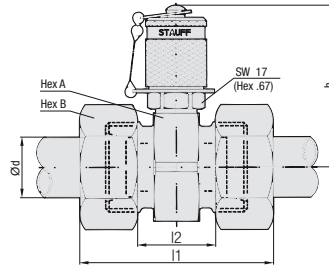
### Protection Cap

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-M10x1-VA-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-M10x1-VA-KK-C6F)

For further information on materials, sealings or protection caps, please see page B4.

Other port connections and sealings on request.  
 Please consult STAUFF for further information.

**Test Coupling complete with Straight Fitting  
SMK20 Type G**



▪ Compression ring fittings acc. to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

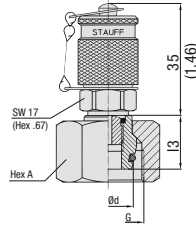
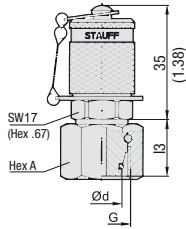
\* Standard option for North America is FPM (Viton®).

**Protection Cap**

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-08L-VG-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-08L-VG-KK-C6F)

For further information on materials, sealings or protection caps, please see page B4.

Series	PN ( <sup>PS</sup> /PS)	Pipe Ø d	Dimensions ( <sup>mm</sup> /m)					Order Codes	
			~l1	l2	h	Hex A	Hex B	NBR	FPM* (Standard Option-North America)
L	315 4568	6	51	21	49	24	14	SMK20-06L-PG-C6F	SMK20-06L-VG-C6F
			2.01	.83	1.93	.94	.55		
		8	51	21	49	24	17	SMK20-08L-PG-C6F	SMK20-08L-VG-C6F
			2.01	.83	1.93	.94	.67		
		10	53	23	49	24	19	SMK20-10L-PG-C6F	SMK20-10L-VG-C6F
			2.09	.91	1.93	.94	.75		
		12	53	23	50,5	27	22	SMK20-12L-PG-C6F	SMK20-12L-VG-C6F
			2.09	.91	1.99	1.06	.87		
		15	55	25	52	30	27	SMK20-15L-PG-C6F	SMK20-15L-VG-C6F
			2.17	.98	2.05	1.18	1.06		
		18	57	24	53	32	32	SMK20-18L-PG-C6F	SMK20-18L-VG-C6F
			2.24	.94	2.09	1.26	1.26		
	160 2320	22	61	28	55	36	36	SMK20-22L-PG-C6F	SMK20-22L-VG-C6F
			2.40	1.10	2.17	1.42	1.42		
		28	61	28	57,5	41	41	SMK20-28L-PG-C6F	SMK20-28L-VG-C6F
			2.40	1.10	2.26	1.61	1.61		
		35	69	26	60	46	50	SMK20-35L-PG-C6F	SMK20-35L-VG-C6F
			2.72	1.02	2.36	1.81	1.97		
42	71	25	64,5	55	60	SMK20-42L-PG-C6F	SMK20-42L-VG-C6F		
	2.80	.98	2.54	2.17	2.36				
S	630 9137	6	55	25	49	24	17	SMK20-06S-PG-C6F	SMK20-06S-VG-C6F
			2.17	.98	1.93	.94	.67		
		8	55	25	49	24	19	SMK20-08S-PG-C6F	SMK20-08S-VG-C6F
			2.17	.98	1.93	.94	.75		
		10	57	24	49	24	22	SMK20-10S-PG-C6F	SMK20-10S-VG-C6F
			2.24	.94	1.93	.94	.87		
	12	57	24	49	24	24	SMK20-12S-PG-C6F	SMK20-12S-VG-C6F	
		2.24	.94	1.93	.94	.94			
	14	63	27	50,5	27	27	SMK20-14S-PG-C6F	SMK20-14S-VG-C6F	
		2.50	1.06	1.99	1.06	1.06			
	400 5801	16	63	26	52	30	30	SMK20-16S-PG-C6F	SMK20-16S-VG-C6F
			2.50	1.02	2.05	1.18	1.18		
		20	69	26	55	36	36	SMK20-20S-PG-C6F	SMK20-20S-VG-C6F
			2.72	1.02	2.17	1.42	1.42		
		25	75	27	57,5	41	46	SMK20-25S-PG-C6F	SMK20-25S-VG-C6F
			2.95	1.06	2.26	1.61	1.81		
	30	81	28	60	46	50	SMK20-30S-PG-C6F	SMK20-30S-VG-C6F	
		3.19	1.10	2.36	1.81	1.97			
315 4568	38	91	29	64,5	55	60	SMK20-38S-PG-C6F	SMK20-38S-VG-C6F	
		3.58	1.14	2.54	2.17	2.36			



## Test Coupling for 24° Cone Fittings SMK20 Type K



Version A

Version B

Series	PN (bar/psi)	Pipe Ø d	Dimensions (mm/in)			Thread	Version	Order Codes	
			I3	Hex A	G			NBR	FPM* (Standard Option-North America)
L	315 4568	6	15,5	14	M12 x 1,5	A	SMK20-06L-PK-C6F	SMK20-06L-VK-C6F	
			.61	.55					
		8	15,5	17	M14 x 1,5	A	SMK20-08L-PK-C6F	SMK20-08L-VK-C6F	
			.61	.67					
		10	16,5	19	M16 x 1,5	A	SMK20-10L-PK-C6F	SMK20-10L-VK-C6F	
		12	17,5	22	M18 x 1,5	A	SMK20-12L-PK-C6F	SMK20-12L-VK-C6F	
	15	21	27	M22 x 1,5	B	SMK20-15L-PK-GS-C6F	SMK20-15L-VK-GS-C6F		
	18	19,5	32	M26 x 1,5	B	SMK20-18L-PK-GS-C6F	SMK20-18L-VK-GS-C6F		
	160 2320	22	20,5	36	M30 x 2	B	SMK20-22L-PK-GS-C6F	SMK20-22L-VK-GS-C6F	
			.81	1.42					
28		25	41	M36 x 2	B	SMK20-28L-PK-GS-C6F	SMK20-28L-VK-GS-C6F		
35		30	50	M45 x 2	B	SMK20-35L-PK-GS-C6F	SMK20-35L-VK-GS-C6F		
42	31	60	M52 x 2	B	SMK20-42L-PK-GS-C6F	SMK20-42L-VK-GS-C6F			
S	630 9137	6	14,5	17	M14 x 1,5	A	SMK20-06S-PK-C6F	SMK20-06S-VK-C6F	
			.57	.67					
		8	16,5	19	M16 x 1,5	A	SMK20-08S-PK-C6F	SMK20-08S-VK-C6F	
			.65	.75					
		10	16,5	22	M18 x 1,5	A	SMK20-10S-PK-C6F	SMK20-10S-VK-C6F	
	12	17,5	24	M20 x 1,5	A	SMK20-12S-PK-C6F	SMK20-12S-VK-C6F		
	14	19,5	27	M22 x 1,5	B	SMK20-14S-PK-GS-C6F	SMK20-14S-VK-GS-C6F		
	400 5801	16	18	30	M24 x 1,5	B	SMK20-16S-PK-GS-C6F	SMK20-16S-VK-GS-C6F	
			.71	1.18					
		20	24	36	M30 x 2	B	SMK20-20S-PK-GS-C6F	SMK20-20S-VK-GS-C6F	
25		26	46	M36 x 2	B	SMK20-25S-PK-GS-C6F	SMK20-25S-VK-GS-C6F		
30		30	50	M42 x 2	B	SMK20-30S-PK-GS-C6F	SMK20-30S-VK-GS-C6F		
315 4568	38	34	60	M52 x 2	B	SMK20-38S-PK-GS-C6F	SMK20-38S-VK-GS-C6F		
		1.34	2.36						

- For DKO connection
- According to ISO 8434-1 / DIN 2353
- Version A: one-piece design
- Version B: screwed design

### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

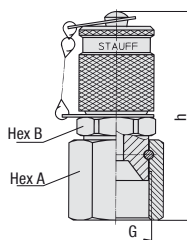
### Protection Cap

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-08L-VK-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-08L-VK-KK-C6F)

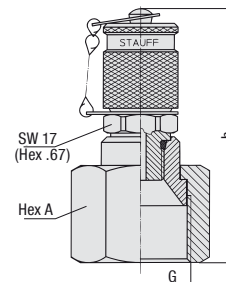
For further information on materials, sealings or protection caps, please see page B4.



**Test Coupling SMK-JIC Connection (to SAE-J514)  
SMK20-JIC Type K**



Version A



Version B

- 37° JIC fittings acc. to SAE J514
- Version A: one-piece design
- Version B: screwed design

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is **FPM (Viton®)**.

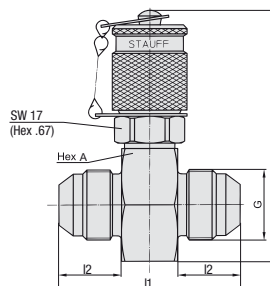
**Protection Cap**

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-JIC5/16-VK-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-JIC5/16-VK-KK-C6F)

Pipe Ø d inch	JIC Size	Dimensions (mm/in)			Thread G	Version	Order Codes NBR	FPM* (Standard Option-North America)
		h	Hex A	Hex B				
1/4	-4	53	17	17	7/16-20 UNF	A	SMK20-JIC1/4-PK-C6F	SMK20-JIC1/4-VK-C6F
		2.09	.67	.67				
5/16	-5	53,5	17	17	1/2-20 UNF	A	SMK20-JIC5/16-PK-C6F	SMK20-JIC5/16-VK-C6F
		2.11	.67	.67				
3/8	-6	55,5	19	17	9/16-18 UNF	A	SMK20-JIC3/8-PK-C6F	SMK20-JIC3/8-VK-C6F
		2.19	.75	.67				
1/2	-8	56,5	22	19	3/4-16 UNF	A	SMK20-JIC1/2-PK-C6F	SMK20-JIC1/2-VK-C6F
		2.22	.87	.75				
5/8	-10	60	27	22	7/8-14 UNF	A	SMK20-JIC5/8-PK-C6F	SMK20-JIC5/8-VK-C6F
		2.36	1.06	.87				
3/4	-12	70,5	32	-	1-1/16-12 UN	B	SMK20-JIC3/4-PK-GS-C6F	SMK20-JIC3/4-VK-GS-C6F
		2.78	1.26	-				
1	-16	69	38	-	1-5/16-12 UN	B	SMK20-JIC1-PK-GS-C6F	SMK20-JIC1-VK-GS-C6F
		2.72	1.50	-				
1-1/4	-20	73,5	50	-	1-5/8-12 UN	B	SMK20-JIC1-1/4-PK-GS-C6F	SMK20-JIC1-1/4-VK-GS-C6F
		2.89	1.97	-				
1-1/2	-24	76	60	-	1-7/8-12 UN	B	SMK20-JIC1-1/2-PK-GS-C6F	SMK20-JIC1-1/2-VK-GS-C6F
		2.99	2.36	-				

For further information on materials, sealings or protection caps, please see page B4.

**Test Coupling SMK-JIC Connection (to SAE-J514)  
SMK20-JIC Type G**



- 37° JIC fittings acc. to SAE J514

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

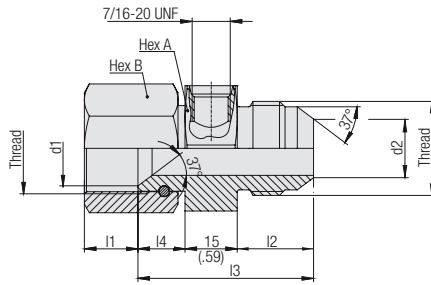
\* Standard option for North America is **FPM (Viton®)**.

**Protection Cap**

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-JIC5/16-VG-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-JIC5/16-VG-KK-C6F)

Pipe Ø d inch	JIC Size	Dimensions (mm/in)					Thread G	Order Codes NBR	FPM* (Standard Option-North America)
		l1	l2	h	Hex A	G			
1/4	-4	43	14	61	24	7/16-20 UNF	SMK20-JIC1/4-PG-C6F	SMK20-JIC1/4-VG-C6F	
		1.69	.55	2.40	.94				
5/16	-5	43	14	61	24	1/2-20 UNF	SMK20-JIC5/16-PG-C6F	SMK20-JIC5/16-VG-C6F	
		1.69	.55	2.40	.94				
3/8	-6	43	14	61	24	9/16-18 UNF	SMK20-JIC3/8-PG-C6F	SMK20-JIC3/8-VG-C6F	
		1.69	.55	2.40	.94				
1/2	-8	48,5	16,5	67	30	3/4-16 UNF	SMK20-JIC1/2-PG-C6F	SMK20-JIC1/2-VG-C6F	
		1.91	.65	2.64	1.18				
5/8	-10	53,5	19,5	67	30	7/8-14 UNF	SMK20-JIC5/8-PG-C6F	SMK20-JIC5/8-VG-C6F	
		2.11	.77	2.64	1.18				
3/4	-12	59	22	73	36	1-1/16-12 UN	SMK20-JIC3/4-PG-C6F	SMK20-JIC3/4-VG-C6F	
		2.32	.87	2.87	1.42				
1	-16	61	23	78	41	1-5/16-12 UN	SMK20-JIC1-PG-C6F	SMK20-JIC1-VG-C6F	
		2.40	.91	3.07	1.61				
1-1/4	-20	65,5	24,5	83	46	1-5/8-12 UN	SMK20-JIC1-1/4-PG-C6F	SMK20-JIC1-1/4-VG-C6F	
		2.58	.96	3.26	1.81				
1-1/2	-24	72	27,5	92	55	1-7/8-12 UN	SMK20-JIC1-1/2-PG-C6F	SMK20-JIC1-1/2-VG-C6F	
		2.83	1.08	3.62	2.17				

For further information on materials, sealings or protection caps, please see page B4.



### Swivel Run Tee with JIC Connection SGV-JIC Type F/M

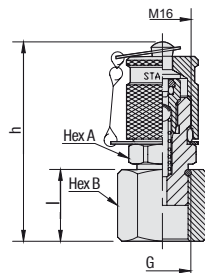


Thread inch	Dimensions (mm/in)								Order Codes
	Ø d1	Ø d2	l1	l2	l3	l4	Hex A	Hex B	
7/16-20 UNF	7,49	4,9	9	14	37	8	27	17	SGV-7/16UNF-04-JIC1/4-F/M-C6F
	.29	.19	.35	.55	1.46	.31	1.06	.67	
9/16-18 UNF	11,05	8,1	10,5	14	37,5	8,5	27	19	SGV-7/16UNF-06-JIC3/8-F/M-C6F
	.44	.32	.41	.55	1.48	.33	1.06	.75	
3/4-16 UNF	15,9	10,8	10,5	16,7	43,7	12	30	22	SGV-7/16UNF-08-JIC1/2-F/M-C6F
	.63	.43	.41	.66	1.72	.47	1.18	.87	
1-1/16-12 UNF	21,6	16,9	15,4	21,9	50,4	13,5	36	32	SGV-7/16UNF-12-JIC3/4-F/M-C6F
	.85	.66	.61	.86	1.98	.53	1.42	1.26	
1-5/16-12 UNF	27,9	23,2	17,3	23,1	53,1	15	41	41	SGV-7/16UNF-16-JIC1-F/M-C6F
	1.10	.91	.68	.91	2.09	.59	1.61	1.61	

#### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

For further information please consult STAUFF.



### Test Coupling with ORFS Connection SMK20 Type ORFS



Thread G	Dimensions (mm/in)				Order Codes	
	h	l	Hex A	Hex B	NBR	FPM* (Standard Option-North America)
9/16-18 UNF	54	19	17	17	SMK20-04-ORFS-P-C6F	SMK20-04-ORFS-V-C6F
	2.1	.75	.67	.67		
11/16-16 UNF	54	19	19	21	SMK20-06-ORFS-P-C6F	SMK20-06-ORFS-V-C6F
	2.1	.75	.75	.80		
13/16-16 UNF	54	19	22	24	SMK20-08-ORFS-P-C6F	SMK20-08-ORFS-V-C6F
	2.1	.75	.87	.87		

#### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

#### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

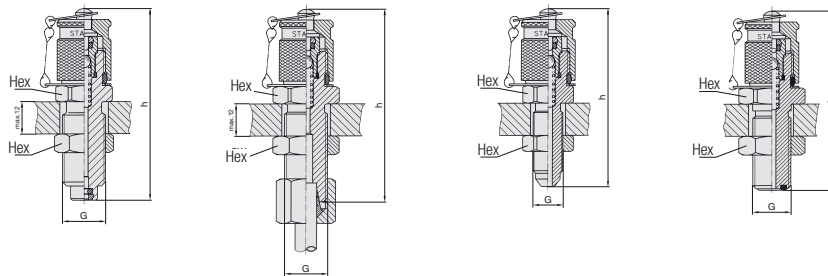
\* Standard option for North America is FPM (Viton®).

#### Protection Cap

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK20-04-ORFS-V-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SMK20-04-ORFS-V-KK-C6F)

For further information on materials, sealings or protection caps, please see page B4.

**Bulkhead  
SSK20**



▪ Also available for gaseous media Type SSKK

**Threads**

\*1 Compression ring assembly 08L/ 08S/ 12L according to ISO 8434-1 / DIN 2353

\*2 JIC cone fitting according to SAE J514

\*3 O-ring face sealing according to SAE J1453

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**

For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".

For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

**Protection Cap**

Standard material: Steel

For ordering the hexagonal protection cap version please add

"-SK" to the order code. (e.g. SSK20-V-SK-C6F)

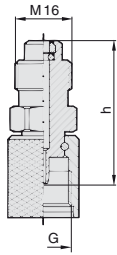
For ordering the plastic protection cap version please add

"-KK" to the order code. (e.g. SSK20-V-KK-C6F)

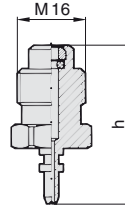
For further information on materials, sealings or protection caps, please see page B4.

Note: Standard option version B without compression ring and nut.

Thread	Dimensions (mm/in)		Version	Order Codes	
	G	Hex		NBR	FPM* (Standard Option-North America)
M16	72	19	A	SSK20-P-C6F	SSK20-V-C6F
	2.83	.75			
M14 x 1,5*1	72	19	B	SSK20/08L-P-C6F	SSK20/08L-V-C6F
	2.83	.75			
M16 x 1,5*1	72	22	B	SSK20/08S-P-C6F	SSK20/08S-V-C6F
	2.83	.87			
M18 x 1,5*1	72	22	B	SSK20/12L-P-C6F	SSK20/12L-V-C6F
	2.83	.87			
7/16-20 UNF*2	66	17	C	SSK20/J7/16UNF-MV-P-C6F	SSK20/J7/16UNF-MV-V-C6F
	2.60	.67			
9/16-18 UNF*3	67	22	D	SSK20-04-ORFS-P-C6F	SSK20-04-ORFS-V-C6F
	2.64	.87			
11/16-16 UNF*3	72	27	D	SSK20-06-ORFS-P-C6F	SSK20-06-ORFS-V-C6F
	2.83	1.06			
13/16-16 UNF*3	75	30	D	SSK20-08-ORFS-P-C6F	SSK20-08-ORFS-V-C6F
	2.95	1.18			



Version A



Version B


**Adaptor  
SAD20**

Thread	Dimensions (mm/in)	Version	Order Codes	
			NBR	FPM* (Standard Option-North America)
M16 x 1,5	39	A	SAD20/15-P-C6F	SAD20/15-V-C6F
	1.54			
S12*1	39	A	SAD20/12-P-C6F	SAD20/12-V-C6F
	1.54			
Plug in	37	B	SAD20/10-P-C6F	SAD20/10-V-C6F
	1.46			

**Threads**

\*1 Special thread: buttress thread S12,65 x1,5

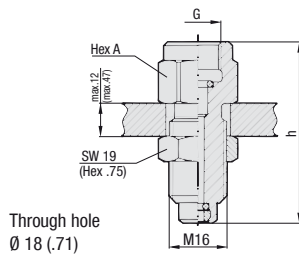
**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

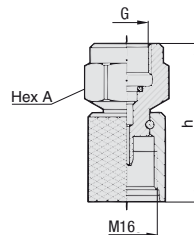
**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).



Gauge Adaptor SMA20



Direct Gauge Adaptor SMD20

**Gauge Adaptor SMA20    Direct Gauge Adaptor SMD20**


Thread	Dimensions (mm/in)		Order Codes NBR	FPM* (Standard Option-North America)
	h	Hex A		
G1/4	54	19	SMA20-G1/4-P-OR-C6F	SMA20-G1/4-V-OR-C6F
	2.13	.75		
G1/2	64	27	SMA20-G1/2-P-OR-C6F	SMA20-G1/2-V-OR-C6F
	2.52	1.06		
1/4 NPT	54	19	SMA20-1/4NPT-P-C6F	SMA20-1/4NPT-V-C6F
	2.13	.75		
1/2 NPT	64	27	SMA20-1/2NPT-P-C6F	SMA20-1/2NPT-V-C6F
	2.52	1.06		
9/16-18 UNF	57	19	SMA20-9/16UNF-P-C6F	SMA20-9/16UNF-V-C6F
	2.24	.75		
G1/4	41	19	SMD20-G1/4-P-OR-C6F	SMD20-G1/4-V-OR-C6F
	1.61	.75		
G1/2	51	27	SMD20-G1/2-P-OR-C6F	SMD20-G1/2-V-OR-C6F
	2.01	1.06		
1/4 NPT	41	19	SMD20-1/4NPT-P-C6F	SMD20-1/4NPT-V-C6F
	1.61	.75		
1/2 NPT	51	27	SMD20-1/2NPT-P-C6F	SMD20-1/2NPT-V-C6F
	2.01	1.06		
7/16-20 UNF	41	19	SMD20-7/16UNF-P-C6F	SMD20-7/16UNF-V-C6F
	1.61	.75		

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

Snubber on request.

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

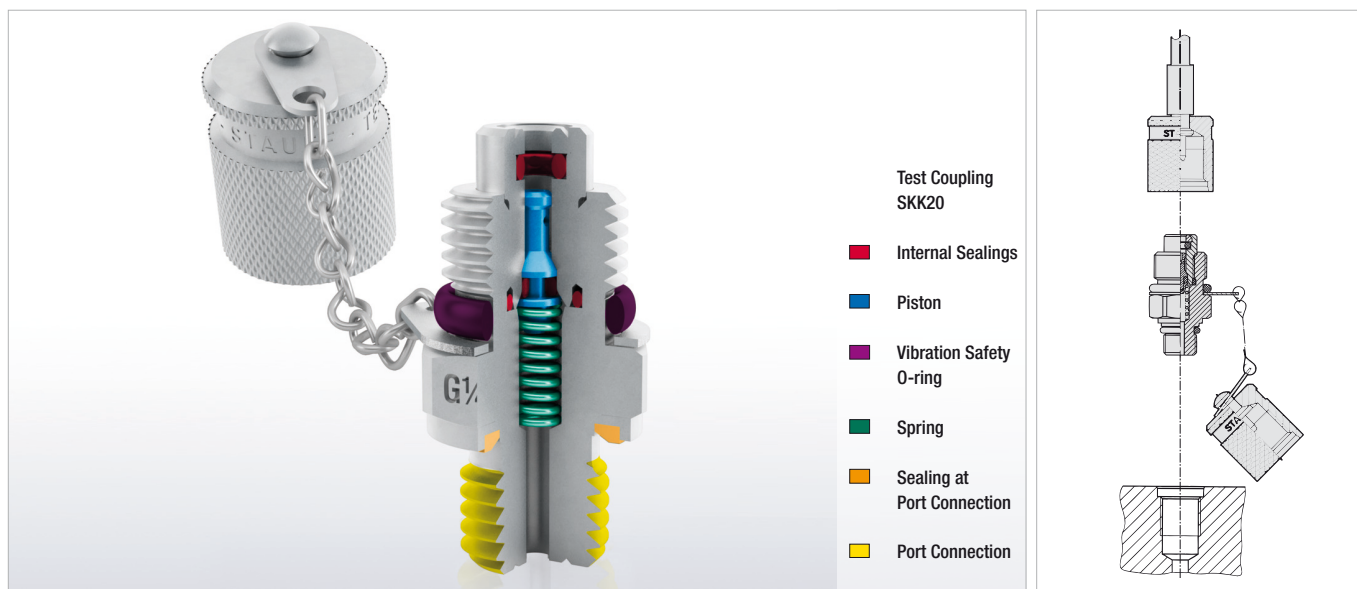
## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°



## Test Coupling with Piston Valve



### Fast coupling for

- Monitoring and control of pressure
- Venting
- Sampling in high- and low-pressure systems
- Filling of accumulators (special filling-version)

### Advantages

- Test system at working pressure
- Leakproof connection before **piston valve** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap

### Working Pressure

- Max. working pressure 630 bar / 9137 PSI  
For SKK Type G and K the recommended working pressure of fitting manufacturer should be noted.
- Connection under pressure up to 400 bar / 5801 PSI max.

### DVGW

- DVGW registration as test coupling for gas pressure control systems with the Deutsche Vereinigung des Gas- und Wasserfaches e.V.
- The DVGW approval relates solely to the following test couplings:
  - SKK20-M8x1-VA-DVGW-C6F
  - SKK20-M10x1-VA-DVGW-C6F
  - SKK20-1/8NPT-VD-DVGW-C6F
  - SKK20-1/4NPT-VD-DVGW-C6F

### Media

- Suitable for hydraulic oils and other Mineral oil based fluids (Check compatibility of sealing material)
- For use with other liquid media please consult STAUFF
- In case of ultimate tightness requirements for gaseous media, a special Gas-type is available

### Materials

#### ▪ Metal Parts:

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 Optional:  
 Stainless Steel **V2A** (1.4305 / AISI 303) on request  
 Stainless Steel **V4A** (1.4571 / AISI 316Ti) on request

For ordering "V2A" or "V4A" please replace "C6F" with "V2A" or "V4A".

#### ▪ Sealings:

**P = NBR (Buna-N®)**  
 (Temperature range -20 °C ... +100 °C / -4 °F ... +212 °F)  
 Note: Internal sealings made of FPM, even for standard NBR-type.

**V = FPM (Viton®)\***  
 (Temperature range -20 °C ... +200 °C / -4 °F ... +392 °F)

**\* Standard option for North America is FPM (Viton®)**

**E = EPDM Ethylene Propylene Diene Monomer Rubber**  
 (for Brake fluid,  
 Temperature range -40 °C ... +150 °C / -40 °F ... +302 °F)

For ordering NBR or EPDM sealings please replace "V" with "P" or "E".

Vibration safety O-ring made of NBR (Buna-N®) (standard).

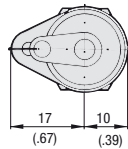
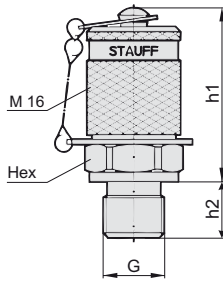
### Protection Cap

- The complete STAUFF-Test-20-Type-SKK range is also available with a hexagonal protection cap made of steel or plastic protection cap.

For ordering the hexagonal protection cap version please add "-SK" to the order code.  
 (e.g. SKK20-M10x1-VA-SK-C6F)

For ordering the plastic protection cap version please add "-KK" to the order code.  
 (e.g. SKK20-M10x1-VA-KK-C6F)

<b>SKK20</b> Test Coupling with Port Connection	<b>SKK20 Type G</b> Test Coupling complete with Straight Fitting	<b>SKK20 Type K</b> Test Coupling for 24° Cone Fittings
		



## Test Coupling with Port Connection SKK20



Thread G	Sealing	Working Pressure (bar/psi)	Dimensions (mm/in)			Order Codes	
			h1	h2	Hex	NBR	FPM* (Standard Option-North America)
M8 x 1	Type A	250	38	8,5	17	SKK20-M8x1-PA-C6F	SKK20-M8x1-VA-C6F
		3625	1.50	.33	.67		
M10 x 1	Type A	630	38	9,8	17	SKK20-M10x1-PA-C6F	SKK20-M10x1-VA-C6F
		9137	1.50	.39	.67		
M12 x 1,5	Type B	630	37	12	17	SKK20-M12x1,5-PB-C6F	SKK20-M12x1,5-VB-C6F
		9137	1.46	.47	.67		
M14 x 1,5	Type B	630	37	12	19	SKK20-M14x1,5-PB-C6F	SKK20-M14x1,5-VB-C6F
		9137	1.46	.47	.75		
M16 x 1,5	Type B	630	37	12	22	SKK20-M16x1,5-PB-C6F	SKK20-M16x1,5-VB-C6F
		9137	1.46	.47	.87		
G1/4	Type B	630	37	12	19	SKK20-G1/4-PB-C6F	SKK20-G1/4-VB-C6F
		9137	1.46	.47	.75		
G3/8	Type B	630	37	12	22	SKK20-G3/8-PB-C6F	SKK20-G3/8-VB-C6F
		9137	1.46	.47	.87		
M10 x 1	Type C	400	39	8	17	SKK20-M10x1-PC-C6F	SKK20-M10x1-VC-C6F
		5801	1.54	.31	.67		
M12 x 1,5	Type C	630	37	12	17	SKK20-M12x1,5-PC-C6F	SKK20-M12x1,5-VC-C6F
		9137	1.46	.47	.67		
M14 x 1,5	Type C	630	37	12	19	SKK20-M14x1,5-PC-C6F	SKK20-M14x1,5-VC-C6F
		9137	1.46	.47	.75		
M16 x 1,5	Type C	630	37	12	22	SKK20-M16x1,5-PC-C6F	SKK20-M16x1,5-VC-C6F
		9137	1.46	.47	.87		
G1/8	Type C	400	39	8	17	SKK20-G1/8-PC-C6F	SKK20-G1/8-VC-C6F
		5801	1.54	.31	.67		
G1/4	Type C	630	37	12	19	SKK20-G1/4-PC-C6F	SKK20-G1/4-VC-C6F
		9137	1.46	.47	.75		
G3/8	Type C	630	37	12	22	SKK20-G3/8-PC-C6F	SKK20-G3/8-VC-C6F
		9137	1.46	.47	.87		
G1/2	Type C	630	39	14	27	SKK20-G1/2-PC-C6F	SKK20-G1/2-VC-C6F
		9137	1.54	.55	1.06		
R1/8 K	Type D	400	37	8	17	SKK20-R1/8K-PD-C6F	SKK20-R1/8K-VD-C6F
		5801	1.46	.31	.67		
R1/4 K	Type D	630	35	12	17	SKK20-R1/4K-PD-C6F	SKK20-R1/4K-VD-C6F
		9137	1.38	.47	.67		
1/8 NPT	Type D	400	36	10	17	SKK20-1/8NPT-PD-C6F	SKK20-1/8NPT-VD-C6F
		5801	1.42	.39	.67		
1/4 NPT	Type D	630	35	15	17	SKK20-1/4NPT-PD-C6F	SKK20-1/4NPT-VD-C6F
		9137	1.38	.59	.67		
5/16-24 UNF	Type E	400	38	7,5	17	SKK20-5/16UNF-PE-C6F	SKK20-5/16UNF-VE-C6F
		5801	1.50	.30	.67		
7/16-20 UNF	Type E	630	38	9,1	17	SKK20-7/16UNF-PE-C6F	SKK20-7/16UNF-VE-C6F
		9137	1.50	.36	.67		
1/2-20 UNF	Type E	630	38	9,2	17	SKK20-1/2UNF-PE-C6F	SKK20-1/2UNF-VE-C6F
		9137	1.50	.36	.67		
9/16-18 UNF	Type E	630	37	10	19	SKK20-9/16UNF-PE-C6F	SKK20-9/16UNF-VE-C6F
		9137	1.46	.39	.75		
M12 x 1,5	Type E	630	37	11	17	SKK20-M12x1,5-PE-C6F	SKK20-M12x1,5-VE-C6F
		9137	1.46	.43	.67		
M14 x 1,5	Type E	630	38	11	19	SKK20-M14x1,5-PE-C6F	SKK20-M14x1,5-VE-C6F
		9137	1.50	.43	.75		

### Metal Parts

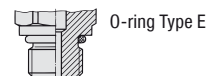
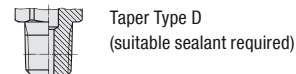
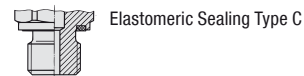
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

### Sealing Details



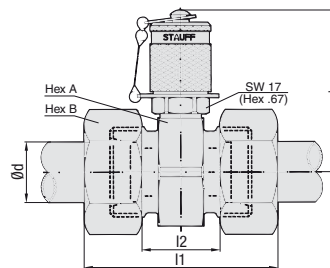
### Protection Cap

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SKK20-M10x1-VA-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SKK20-M10x1-VA-KK-C6F)

For further information on materials, sealings or protection caps, please see page B12.

Other port connections and sealings on request.  
 Please consult STAUFF for further information.

**Test Coupling complete with Straight Fitting  
SKK20 Type G**



- Compression ring fittings acc. to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

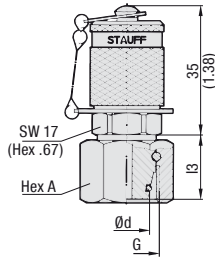
\* Standard option for North America is FPM (Viton®).

**Protection Cap**

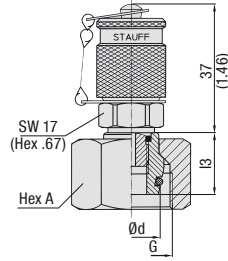
Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SKK20-08L-VG-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SKK20-08L-VG-KK-C6F)

For further information on materials, sealings or protection caps, please see page B12.

Series	PN ( <sup>bar/psi</sup> )	Pipe Ød	Dimensions ( <sup>mm/in</sup> )						Order Codes NBR	FPM* (Standard Option-North America)
			~l1	l2	h	Hex A	Hex B			
L	315 4568	6	51	21	49	24	14	SKK20-06L-PG-C6F	SKK20-06L-VG-C6F	
			2.01	.83	1.93	.94	.55			
		8	51	21	49	24	17	SKK20-08L-PG-C6F	SKK20-08L-VG-C6F	
			2.01	.83	1.93	.94	.67			
		10	53	23	49	24	19	SKK20-10L-PG-C6F	SKK20-10L-VG-C6F	
			2.09	.91	1.93	.94	.75			
	12	53	23	50,5	27	22	SKK20-12L-PG-C6F	SKK20-12L-VG-C6F		
		2.09	.91	1.99	1.06	.87				
	15	55	25	52	30	27	SKK20-15L-PG-C6F	SKK20-15L-VG-C6F		
		2.17	.98	2.05	1.18	1.06				
	18	57	24	53	32	32	SKK20-18L-PG-C6F	SKK20-18L-VG-C6F		
		2.24	.94	2.09	1.26	1.26				
	160 2320	22	61	28	55	36	36	SKK20-22L-PG-C6F	SKK20-22L-VG-C6F	
			2.40	1.10	2.17	1.42	1.42			
		28	61	28	57,5	41	41	SKK20-28L-PG-C6F	SKK20-28L-VG-C6F	
			2.40	1.10	2.26	1.61	1.61			
		35	69	26	60	46	50	SKK20-35L-PG-C6F	SKK20-35L-VG-C6F	
			2.72	1.02	2.36	1.81	1.97			
42	71	25	64,5	55	60	SKK20-42L-PG-C6F	SKK20-42L-VG-C6F			
	2.80	.98	2.54	2.17	2.36					
S	630 9137	6	55	25	49	24	17	SKK20-06S-PG-C6F	SKK20-06S-VG-C6F	
			2.17	.98	1.93	.94	.67			
		8	55	25	49	24	19	SKK20-08S-PG-C6F	SKK20-08S-VG-C6F	
			2.17	.98	1.93	.94	.75			
		10	57	24	49	24	22	SKK20-10S-PG-C6F	SKK20-10S-VG-C6F	
			2.24	.94	1.93	.94	.87			
	12	57	24	49	24	24	SKK20-12S-PG-C6F	SKK20-12S-VG-C6F		
		2.24	.94	1.93	.94	.94				
	14	63	27	50,5	27	27	SKK20-14S-PG-C6F	SKK20-14S-VG-C6F		
		2.50	1.06	1.99	1.06	1.06				
	400 5801	16	63	26	52	30	30	SKK20-16S-PG-C6F	SKK20-16S-VG-C6F	
			2.50	1.02	2.05	1.18	1.18			
		20	69	26	55	36	36	SKK20-20S-PG-C6F	SKK20-20S-VG-C6F	
			2.72	1.02	2.17	1.42	1.42			
		25	75	27	57,5	41	46	SKK20-25S-PG-C6F	SKK20-25S-VG-C6F	
			2.95	1.06	2.26	1.61	1.81			
	30	81	28	60	46	50	SKK20-30S-PG-C6F	SKK20-30S-VG-C6F		
		3.19	1.10	2.36	1.81	1.97				
315 4568	38	91	29	64,5	55	60	SKK20-38S-PG-C6F	SKK20-38S-VG-C6F		
		3.58	1.14	2.54	2.17	2.36				



Version A



Version B

## Test Coupling for 24° Cone Fittings SKK20 Type K



Series	PN (bar/psi)	Pipe Ød	Dimensions (mm/in)			Thread	Version	Order Codes	
			I3	Hex A	G			NBR	FPM* (Standard Option-North America)
L	315 4568	6	15,5	14	M12 x 1,5	A	SKK20-06L-PK-C6F	SKK20-06L-VK-C6F	
			.61	.55					
		8	15,5	17	M14 x 1,5	A	SKK20-08L-PK-C6F	SKK20-08L-VK-C6F	
			.61	.67					
		10	16,5	19	M16 x 1,5	A	SKK20-10L-PK-C6F	SKK20-10L-VK-C6F	
			.65	.75					
	12	17,5	22	M18 x 1,5	A	SKK20-12L-PK-C6F	SKK20-12L-VK-C6F		
		.69	.87						
	15	21	27	M22 x 1,5	B	SKK20-15L-PK-GS-C6F	SKK20-15L-VK-GS-C6F		
		.83	1.06						
	18	19,5	32	M26 x 1,5	B	SKK20-18L-PK-GS-C6F	SKK20-18L-VK-GS-C6F		
		.77	1.26						
160 2320	22	20,5	36	M30 x 2	B	SKK20-22L-PK-GS-C6F	SKK20-22L-VK-GS-C6F		
		.81	1.42						
	28	25	41	M36 x 2	B	SKK20-28L-PK-GS-C6F	SKK20-28L-VK-GS-C6F		
		.98	1.61						
35	30	50	M45 x 2	B	SKK20-35L-PK-GS-C6F	SKK20-35L-VK-GS-C6F			
	1.18	1.97							
42	31	60	M52 x 2	B	SKK20-42L-PK-GS-C6F	SKK20-42L-VK-GS-C6F			
	1.22	2.36							
S	630 9137	6	14,5	17	M14 x 1,5	A	SKK20-06S-PK-C6F	SKK20-06S-VK-C6F	
			.57	.67					
		8	16,5	19	M16 x 1,5	A	SKK20-08S-PK-C6F	SKK20-08S-VK-C6F	
			.65	.75					
		10	16,5	22	M18 x 1,5	A	SKK20-10S-PK-C6F	SKK20-10S-VK-C6F	
	.65		.87						
	12	17,5	24	M20 x 1,5	A	SKK20-12S-PK-C6F	SKK20-12S-VK-C6F		
		.69	.94						
	400 5801	14	19,5	27	M22 x 1,5	B	SKK20-14S-PK-GS-C6F	SKK20-14S-VK-GS-C6F	
			.77	1.06					
		16	18	30	M24 x 1,5	B	SKK20-16S-PK-GS-C6F	SKK20-16S-VK-GS-C6F	
			.71	1.18					
20		24	36	M30 x 2	B	SKK20-20S-PK-GS-C6F	SKK20-20S-VK-GS-C6F		
		.94	1.42						
25		26	46	M36 x 2	B	SKK20-25S-PK-GS-C6F	SKK20-25S-VK-GS-C6F		
	1.02	1.81							
30	30	50	M42 x 2	B	SKK20-30S-PK-GS-C6F	SKK20-30S-VK-GS-C6F			
	1.18	1.97							
315 4568	38	34	60	M52 x 2	B	SKK20-38S-PK-GS-C6F	SKK20-38S-VK-GS-C6F		
		1.34	2.36						

- For DKO connection
- According to ISO 8434-1 / DIN 2353
- Version A: one-piece design
- Version B: screwed design

### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

### Protection Cap

Standard material: Steel  
 For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SKK20-08L-VK-SK-C6F)  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SKK20-08L-VK-KK-C6F)

For further information on materials, sealings or protection caps, please see page B12.

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

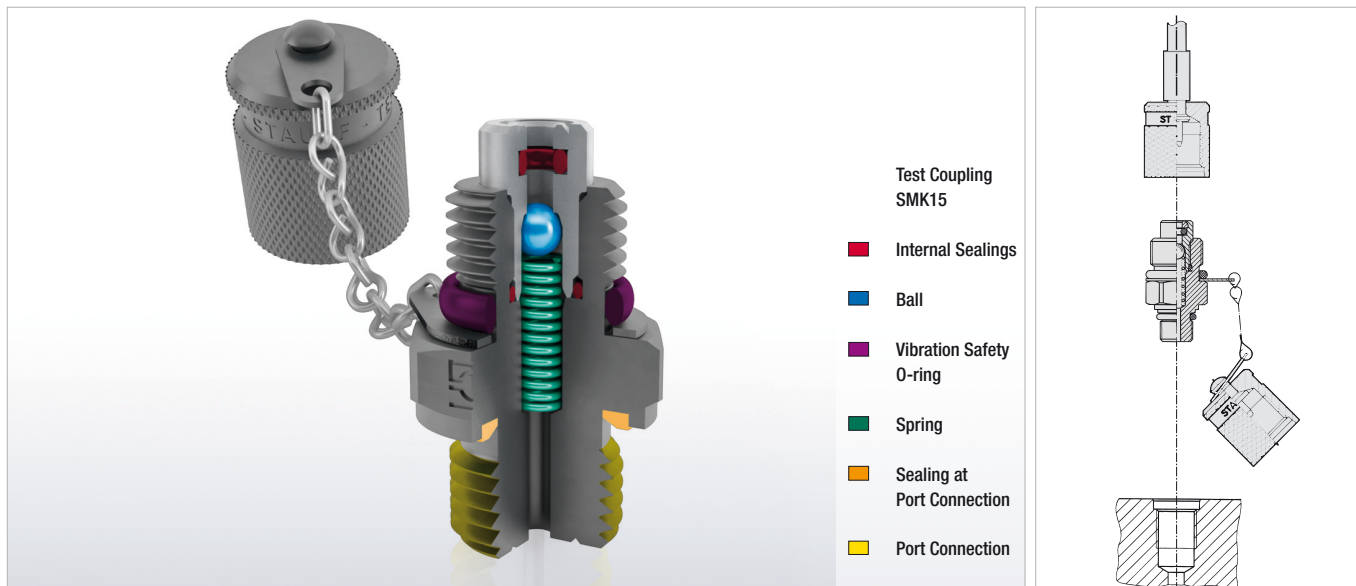
## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°



## Test Coupling with Ball Check



### Fast coupling for

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

### Advantages

- Test system at working pressure
- Leak proof connection before **ball check** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap

### Working Pressure

- Max. working pressure 630 bar / 9137 PSI  
For SMK Type G and K the recommended working pressure of fitting manufacturer should be noted.
- Connection under pressure up to 630 bar / 9137 PSI max.

### Materials

- **Metal parts:**  
Standard material: Steel, black zinc/nickel-plated = **C6F\*** (CrVI-free)  
Optional:  
Stainless Steel **V2A** (1.4305 / AISI 303) on request  
Stainless Steel **V4A** (1.4571 / AISI 316Ti) on request

For ordering V2A or V4A please replace "C6F" with "V2A" or "V4A".

\* Note: The changeover of our standard surface finishing "zinc plated" to the chromium (VI) free surface finishing "black zinc/nickel-plated" will proceed gradually.

- **Ball:** Stainless Steel

### Sealings:

**P = NBR (Buna-N®)**

(Temperature range -20 °C ... +100 °C / -4 °F ... +212 °F)

Note: Internal sealings made of FPM, even for standard NBR-type.

**V = FPM (Viton®)\***

(Temperature range -20 °C ... +200 °C / -4 °F ... +392 °F)

**\* Standard option for North America is FPM (Viton®)**

**E = EPDM Ethylene Propylene Diene Monomer Rubber**

(for Brake fluid,

Temperature range -40 °C ... +150 °C / -40 °F ... +302 °F)

For ordering NBR or EPDM sealings please replace "V" with "P" or "E".

Vibration safety O-ring made of NBR (Buna-N®) (standard).

### Media

- Suitable for hydraulic oils and other Mineral oil based fluid (Check compatibility of seal material)
- For use with other liquid media please consult STAUFF





### Protection Cap

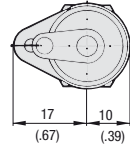
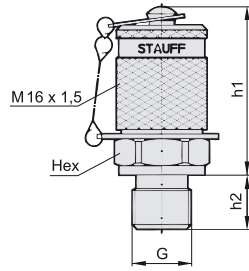
- The complete STAUFF-Test-15-Type-SMK range is also available with a hexagonal protection cap made of steel.

For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK15-M10x1-VA-SK-C6F)

### Note

- On request TEST 15 is also available as SKK-type including "Gas"- and "Filling"-versions.

SMK15 Test Coupling with Port Connection	SMK15 Type G Test Coupling complete with Straight Fitting	SMK15 Type K Test Coupling for 24° Cone Fittings	SSK15 Bulkhead
			



## Test Coupling with Port Connection SMK15



Thread G	Sealing	Working Pressure (bar / psi)	Dimensions ( <sup>mm</sup> / <sub>in</sub> )			Order Codes	
			h1	h2	Hex	NBR	FPM* (Standard Option-North America)
M10 x 1	Type A	630	38	9,8	17	SMK15-M10x1-PA-C6F	SMK15-M10x1-VA-C6F
		9137	1.50	.39	.67		
M14 x 1,5		630	37	12	19	SMK15-M14x1,5-PB-C6F	SMK15-M14x1,5-VB-C6F
		9137	1.46	.47	.75		
M16 x 1,5		630	37	12	22	SMK15-M16x1,5-PB-C6F	SMK15-M16x1,5-VB-C6F
		9137	1.46	.47	.87		
G1/8	Type B	400	39	8	17	SMK15-G1/8-PB-C6F	SMK15-G1/8-VB-C6F
		5801	1.54	.31	.67		
G1/4		630	37	12	19	SMK15-G1/4-PB-C6F	SMK15-G1/4-VB-C6F
		9137	1.46	.47	.75		
G3/8		630	37	12	22	SMK15-G3/8-PB-C6F	SMK15-G3/8-VB-C6F
		9137	1.46	.47	.87		
M12 x 1,5		630	37	12	17	SMK15-M12x1,5-PC-C6F	SMK15-M12x1,5-VC-C6F
		9137	1.46	.47	.67		
M14 x 1,5		630	37	12	19	SMK15-M14x1,5-PC-C6F	SMK15-M14x1,5-VC-C6F
		9137	1.46	.47	.75		
M16 x 1,5	Type C	630	37	12	22	SMK15-M16x1,5-PC-C6F	SMK15-M16x1,5-VC-C6F
		9137	1.46	.47	.87		
G1/8		400	39	8	17	SMK15-G1/8-PC-C6F	SMK15-G1/8-VC-C6F
		5801	1.54	.31	.67		
G1/4		630	37	12	19	SMK15-G1/4-PC-C6F	SMK15-G1/4-VC-C6F
		9137	1.46	.47	.75		
R1/4 K		630	35	12	17	SMK15-R1/4K-PD-C6F	SMK15-R1/4K-VD-C6F
		9137	1.38	.47	.67		
1/8 NPT	Type D	400	36	10	17	SMK15-1/8NPT-PD-C6F	SMK15-1/8NPT-VD-C6F
		5801	1.42	.39	.67		
1/4 NPT		630	35	15	17	SMK15-1/4NPT-PD-C6F	SMK15-1/4NPT-VD-C6F
		9137	1.38	.59	.67		
7/16-20 UNF		630	38	9,1	17	SMK15-7/16UNF-PE-C6F	SMK15-7/16UNF-VE-C6F
		9137	1.50	.36	.67		
9/16-18 UNF	Type E	630	37	10	19	SMK15-9/16UNF-PE-C6F	SMK15-9/16UNF-VE-C6F
		9137	1.46	.39	.75		
M14 x 1,5		630	38	11	19	SMK15-M14x1,5-PE-C6F	SMK15-M14x1,5-VE-C6F
		9137	1.50	.43	.75		

### Metal Parts

Standard material:

Steel, black zinc/nickel-plated = **C6F (CrVI-free)**

For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".

For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

### Sealing Details



O-ring Type A



Metal Joint Type B



Elastomeric Sealing Type C



Taper Type D  
(suitable sealant required)



O-ring Type E

### Protection Cap

Standard material: Steel

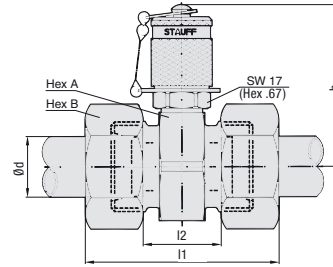
For ordering the hexagonal protection cap version please add

"-SK" to the order code. (e.g. SMK15-M10x1-VA-SK-C6F)

For further information on materials, seals or protection caps, please see page B16.

Other port connections and seals on request.  
Please consult STAUFF for further information.

**Test Coupling complete with Straight Fitting  
SMK15 Type G**



▪ Compression ring fittings acc. to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material:

- Test coupling:  
Steel, black zinc/nickel-plated = **C6F (CrVI-free)**
  - Straight fitting: Steel, zinc/nickel-plated = **C6F (CrVI-free)**
- For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

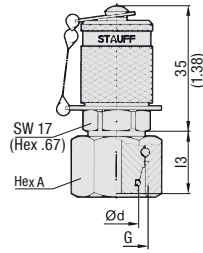
**Protection Cap**

Standard material: Steel  
For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK15-08L-VG-SK-C6F)

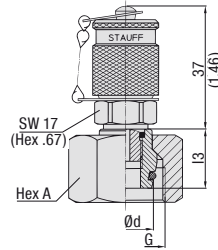
For further information on materials, sealings or protection caps, please see page B16.

Series	PN ( <sup>bar</sup> /psi)	Pipe Ød	Dimensions ( <sup>mm</sup> / <sup>in</sup> )					Order Codes NBR	FPM* (Standard Option-North America)
			~I1	I2	h	Hex A	Hex B		
L	315 4568	6	51	21	49	24	14	SMK15-06L-PG-C6F	SMK15-06L-VG-C6F
			2.01	.83	1.93	.94	.55		
		8	51	21	49	24	17	SMK15-08L-PG-C6F	SMK15-08L-VG-C6F
			2.01	.83	1.93	.94	.67		
		10	53	23	49	24	19	SMK15-10L-PG-C6F	SMK15-10L-VG-C6F
			2.09	.91	1.93	.94	.75		
	12	53	23	50,5	27	22	SMK15-12L-PG-C6F	SMK15-12L-VG-C6F	
		2.09	.91	1.99	1.06	.87			
	15	55	25	52	30	27	SMK15-15L-PG-C6F	SMK15-15L-VG-C6F	
		2.17	.98	2.05	1.18	1.06			
	18	57	24	53	32	32	SMK15-18L-PG-C6F	SMK15-18L-VG-C6F	
		2.24	.94	2.09	1.26	1.26			
160 2320	22	61	28	55	36	36	SMK15-22L-PG-C6F	SMK15-22L-VG-C6F	
		2.40	1.10	2.17	1.42	1.42			
	28	61	28	57,5	41	41	SMK15-28L-PG-C6F	SMK15-28L-VG-C6F	
		2.40	1.10	2.26	1.61	1.61			
	35	69	26	60	46	50	SMK15-35L-PG-C6F	SMK15-35L-VG-C6F	
		2.72	1.02	2.36	1.81	1.97			
42	71	25	64,5	55	60	SMK15-42L-PG-C6F	SMK15-42L-VG-C6F		
	2.80	.98	2.54	2.17	2.36				
S	630 9137	6	55	25	49	24	17	SMK15-06S-PG-C6F	SMK15-06S-VG-C6F
			2.17	.98	1.93	.94	.67		
		8	55	25	49	24	19	SMK15-08S-PG-C6F	SMK15-08S-VG-C6F
			2.17	.98	1.93	.94	.75		
		10	57	24	49	24	22	SMK15-10S-PG-C6F	SMK15-10S-VG-C6F
			2.24	.94	1.93	.94	.87		
	12	57	24	49	24	24	SMK15-12S-PG-C6F	SMK15-12S-VG-C6F	
		2.24	.94	1.93	.94	.94			
	14	63	27	50,5	27	27	SMK15-14S-PG-C6F	SMK15-14S-VG-C6F	
		2.50	1.06	1.99	1.06	1.06			
	400 5801	16	63	26	52	30	30	SMK15-16S-PG-C6F	SMK15-16S-VG-C6F
			2.50	1.02	2.05	1.18	1.18		
20		69	26	55	36	36	SMK15-20S-PG-C6F	SMK15-20S-VG-C6F	
		2.72	1.02	2.17	1.42	1.42			
25		75	27	57,5	41	46	SMK15-25S-PG-C6F	SMK15-25S-VG-C6F	
		2.95	1.06	2.26	1.61	1.81			
30	81	28	60	46	50	SMK15-30S-PG-C6F	SMK15-30S-VG-C6F		
	3.19	1.10	2.36	1.81	1.97				
315 4568	38	91	29	64,5	55	60	SMK15-38S-PG-C6F	SMK15-38S-VG-C6F	
		3.58	1.14	2.54	2.17	2.36			

## Test Coupling for 24° Cone Fittings SMK15 Type K



Version A



Version B



Series	PN ( <sup>ns/ps</sup> )	Pipe Ød	Dimensions ( <sup>mm</sup> / <sup>in</sup> )			Thread	Version	Order Codes	
			I3	Hex A	G			NBR	FPM* (Standard Option-North America)
L	315 4568	6	15,5	14	M12 x 1,5	A	SMK15-06L-PK-C6F	SMK15-06L-VK-C6F	
			.61	.55					
		8	15,5	17	M14 x 1,5	A	SMK15-08L-PK-C6F	SMK15-08L-VK-C6F	
			.61	.67					
		10	16,5	19	M16 x 1,5	A	SMK15-10L-PK-C6F	SMK15-10L-VK-C6F	
			.65	.75					
	12	17,5	22	M18 x 1,5	A	SMK15-12L-PK-C6F	SMK15-12L-VK-C6F		
		.69	.87						
	15	21	27	M22 x 1,5	B	SMK15-15L-PK-GS-C6F	SMK15-15L-VK-GS-C6F		
		.83	1.06						
	18	19,5	32	M26 x 1,5	B	SMK15-18L-PK-GS-C6F	SMK15-18L-VK-GS-C6F		
		.77	1.26						
160 2320		22	20,5	36	M30 x 2	B	SMK15-22L-PK-GS-C6F	SMK15-22L-VK-GS-C6F	
			.81	1.42					
		28	25	41	M36 x 2	B	SMK15-28L-PK-GS-C6F	SMK15-28L-VK-GS-C6F	
			.98	1.61					
35	30	50	M45 x 2	B	SMK15-35L-PK-GS-C6F	SMK15-35L-VK-GS-C6F			
	1.18	1.97							
42	31	60	M52 x 2	B	SMK15-42L-PK-GS-C6F	SMK15-42L-VK-GS-C6F			
	1.22	2.36							
S	630 9137	6	14,5	17	M14 x 1,5	A	SMK15-06S-PK-C6F	SMK15-06S-VK-C6F	
			.57	.67					
		8	16,5	19	M16 x 1,5	A	SMK15-08S-PK-C6F	SMK15-08S-VK-C6F	
			.65	.75					
		10	16,5	22	M18 x 1,5	A	SMK15-10S-PK-C6F	SMK15-10S-VK-C6F	
			.65	.87					
	12	17,5	24	M20 x 1,5	A	SMK15-12S-PK-C6F	SMK15-12S-VK-C6F		
		.69	.94						
	14	19,5	27	M22 x 1,5	B	SMK15-14S-PK-GS-C6F	SMK15-14S-VK-GS-C6F		
		.77	1.06						
	400 5801		16	18	30	M24 x 1,5	B	SMK15-16S-PK-GS-C6F	SMK15-16S-VK-GS-C6F
				.71	1.18				
20			24	36	M30 x 2	B	SMK15-20S-PK-GS-C6F	SMK15-20S-VK-GS-C6F	
			.94	1.42					
25	26	46	M36 x 2	B	SMK15-25S-PK-GS-C6F	SMK15-25S-VK-GS-C6F			
	1.02	1.81							
30	30	50	M42 x 2	B	SMK15-30S-PK-GS-C6F	SMK15-30S-VK-GS-C6F			
	1.18	1.97							
315 4568	38	34	60	M52 x 2	B	SMK15-38S-PK-GS-C6F	SMK15-38S-VK-GS-C6F		
		1.34	2.36						

- For DKO connection
- According to ISO 8434-1 / DIN 2353
- Version A: one-piece design
- Version B: screwed design

### Metal Parts

Standard material:

- Test coupling:
  - Steel, black zinc/nickel-plated = **C6F (CrVI-free)**
- 24° cone fittings: Steel, zinc/nickel-plated = C6F (CrVI-free)
- For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".
- For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

- For ordering NBR sealings replace "V" with "P".
- For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

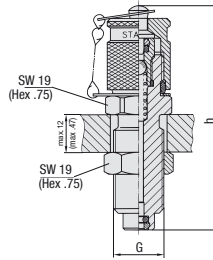
### Protection Cap

Standard material: Steel

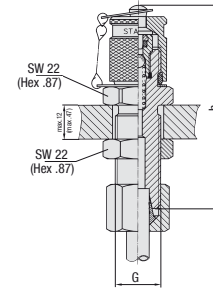
For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SMK15-08L-VK-SK-C6F)

For further information on materials, sealings or protection caps, please see page B16.

**Bulkhead  
SSK15**



Version A



Version B

- Also available for gaseous media type SSKK

**Threads**

\*1 Compression ring assembly 08S according to ISO 8434-1 / DIN 2353

Thread	Dimensions (mm/m)	Version	Order Codes	
			NBR	FPM* (Standard Option-North America)
M16 x 1,5	72	A	SSK15-P-C6F	SSK15-V-C6F
	2.83			
M16 x 1,5 *1	72	B	SSK15/08S-P-C6F	SSK15/08S-V-C6F
	2.83			

**Metal Parts**

Standard material version A:

- Test coupling: Steel, **black** zinc/nickel-plated = **C6F (CrVI-free)**

Standard material version B:

- Test coupling: Steel, **black** zinc/nickel-plated = **C6F (CrVI-free)**
  - Hex nut: Steel, zinc/nickel-plated = **C6F (CrVI-free)**
- For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

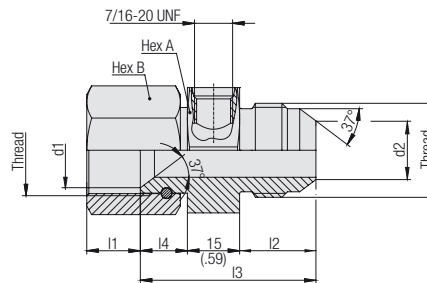
**Protection Cap**

Standard material: Steel  
For ordering the hexagonal protection cap version please add "-SK" to the order code. (e.g. SSK15-V-SK-C6F)

For further information on materials, sealings or protection caps, please see page B16.

Note: Standard option version B without compression ring and nut.

**Swivel Run Tee with JIC Connection  
SGV-JIC Type F/M**

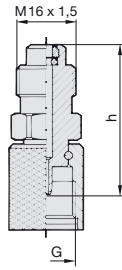


**Metal Parts**

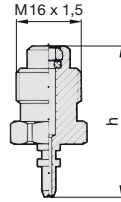
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

For further information please consult STAUFF.

Thread	Dimensions (mm/m)								Order Codes
	inch	Ø d1	Ø d2	l1	l2	l3	l4	Hex A	
7/16-20 UNF	7,49	4,9	9	14	37	8	27	17	SGV-7/16UNF-04-JIC1/4-F/M-C6F
	.29	.19	.35	.55	1.46	.31	1.06	.67	
9/16-18 UNF	11,05	8,1	10,5	14	37,5	8,5	27	19	SGV-7/16UNF-06-JIC3/8-F/M-C6F
	.44	.32	.41	.55	1.48	.33	1.06	.75	
3/4-16 UNF	15,9	10,8	10,5	16,7	43,7	12	30	22	SGV-7/16UNF-08-JIC1/2-F/M-C6F
	.63	.43	.41	.66	1.72	.47	1.18	.87	
1-1/16-12 UNF	21,6	16,9	15,4	21,9	50,4	13,5	36	32	SGV-7/16UNF-12-JIC3/4-F/M-C6F
	.85	.66	.61	.86	1.98	.53	1.42	1.26	
1-5/16-12 UNF	27,9	23,2	17,3	23,1	53,1	15	41	41	SGV-7/16UNF-16-JIC1-F/M-C6F
	1.10	.91	.68	.91	2.09	.59	1.61	1.61	



Version A



Version B

**Adaptor  
SAD15**


Thread	Dimensions (mm/in)		Version	Order Codes	
	G	h		NBR	FPM* (Standard Option-North America)
M16 x 2	39		A	SAD15/20-P-C6F	SAD15/20-V-C6F
	1.54				
S12 *1	39		A	SAD15/12-P-C6F	SAD15/12-V-C6F
	1.54				
Plug in	37		B	SAD15/10-P-C6F	SAD15/10-V-C6F
	1.46				

**Threads**

\*1 Special thread: buttress thread S12,65 x1,5

**Metal Parts**

Standard material version A:

- Threaded nipple: Steel, black zinc/nickel-plated = **C6F (CrVI-free)**
- Swivel nut: Steel, zinc/nickel-plated = **C6F (CrVI-free)**

Standard material version B:

Steel, black zinc/nickel-plated = **C6F (CrVI-free)**

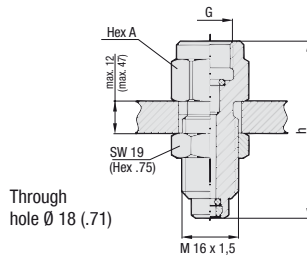
For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

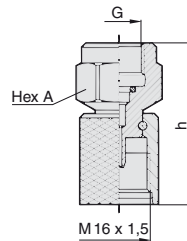
For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).



Gauge Adaptor SMA15



Direct Gauge Adaptor SMD15

**Gauge Adaptor SMA15      Direct Gauge Adaptor SMD15**


Thread	Dimensions (mm/in)		Order Codes NBR	FPM* (Standard Option-North America)
	G	h      Hex A		
G1/4	54	19	SMA15-G1/4-P-OR-C6F	SMA15-G1/4-V-OR-C6F
	2.13	.75		
G1/2	64	27	SMA15-G1/2-P-OR-C6F	SMA15-G1/2-V-OR-C6F
	2.52	1.06		
1/4 NPT	54	19	SMA15-1/4NPT-P-C6F	SMA15-1/4NPT-V-C6F
	2.13	.75		
1/2 NPT	64	27	SMA15-1/2NPT-P-C6F	SMA15-1/2NPT-V-C6F
	2.52	1.06		
G1/4	41	19	SMD15-G1/4-P-OR-C6F	SMD15-G1/4-V-OR-C6F
	1.61	.75		
G1/2	51	27	SMD15-G1/2-P-OR-C6F	SMD15-G1/2-V-OR-C6F
	2.01	1.06		
1/4 NPT	41	19	SMD15-1/4NPT-P-C6F	SMD15-1/4NPT-V-C6F
	1.61	.75		
1/2 NPT	51	27	SMD15-1/2NPT-P-C6F	SMD15-1/2NPT-V-C6F
	2.01	1.06		

**Metal Parts**

Standard material SMA15:

Steel, black zinc/nickel-plated = **C6F (CrVI-free)**

Standard material SMD15:

- Gauge adaptor: Steel, zinc/nickel-plated = **C6F (CrVI-free)**
- Swivel nut: Steel, black zinc/nickel-plated = **C6F (CrVI-free)**

For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

Snubber on request.



Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

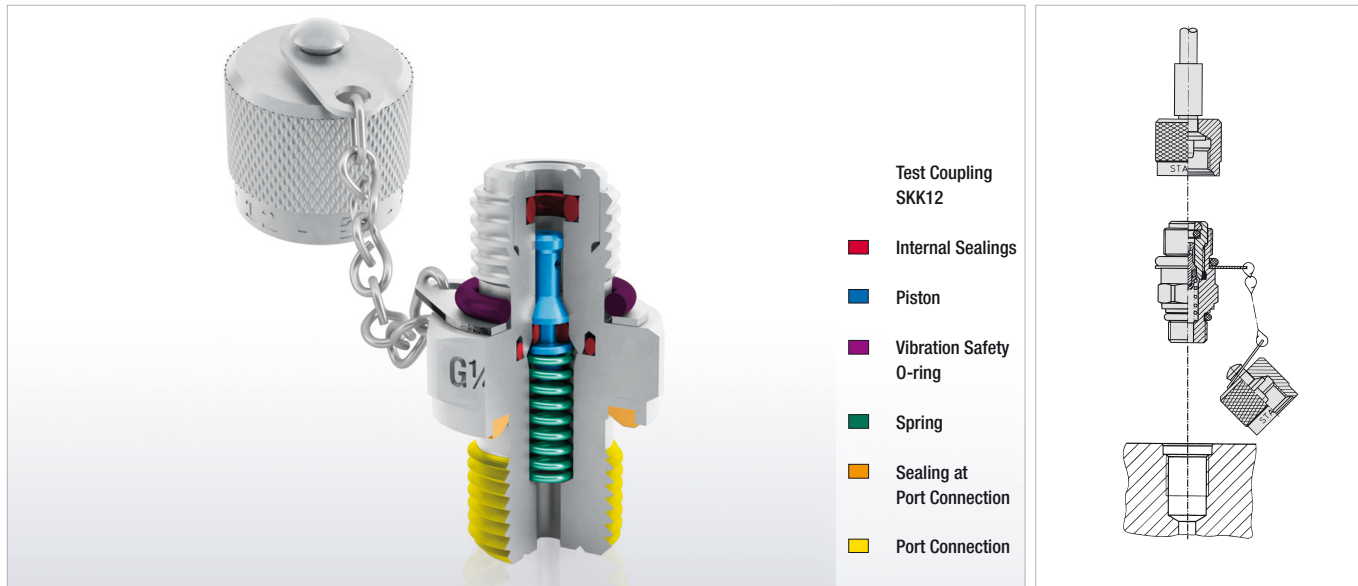
<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°

## Test Coupling with Piston Valve



### Fast Coupling for

- Monitoring and control of pressure
- Venting
- Sampling in high- and low-pressure systems
- Filling of accumulators (special filling-version)

### Advantages

- Test system at working pressure
- Leak proof connection before **piston valve** is open
- Simple connection to measurement, control and switching devices
- Self locking metal protective cap

### Working Pressure

- Max. working pressure 630 bar / 9137 PSI  
For SKK Type G and K the recommended working pressure of fitting manufacturer should be noted.
- Connection under pressure up to 400 bar / 5801 PSI max.

### Materials

- **Metal Parts:**  
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
Optional:  
Stainless Steel **V2A** (1.4305 / AISI 303) on request  
Stainless Steel **V4A** (1.4571 / AISI 316Ti) on request

For ordering "V2A" or "V4A" please replace "C6F" with "V2A" or "V4A".

### Sealings:

**P = NBR (Buna-N®)**

(Temperature range -20 °C ... +100°C / -4 °F ... +212 °F)

Note: Internal sealings made of FPM, even for standard NBR-type.

**V = FPM (Viton®)\***

(Temperature range -20 °C ... +200 °C / -4 °F ... +392 °F)

**\* Standard option for North America is FPM (Viton®)**

**E = EPDM Ethylene Propylene Diene Monomer Rubber**

(for Brake fluid,

Temperature range -40 °C ... +150 °C / -40 °F ... +302 °F)

For ordering NBR or EPDM sealings please replace "V" with "P" or "E".

Vibration safety O-ring made of NBR (Buna-N®) (standard).

### Media

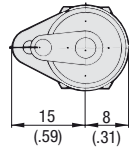
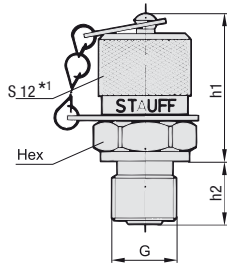
- Suitable for hydraulic oils and other Mineral oil based fluids (Check compatibility of seal material)
- For use with other liquid media please consult STAUFF
- In case of ultimate tightness requirements for gaseous media, a special Gas-type is available

### Protection Cap

- The complete STAUFF-Test-12-type-SKK range is also available with a plastic protection cap.

For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SKK12-M10x1-VA-KK-C6F)

SKK12 Test Coupling with Port Connection	SKK12 Type G Test Coupling complete with Straight Fitting	SKK12 Type K Test Coupling for 24° Cone Fittings	SSKK12 Bulkhead
			



## Test Coupling with Port Connection SKK12

Thread G	Sealing	Working Pressure (bar/psi)	Dimensions (mm/in)			Order Codes	
			h1	h2	Hex	NBR	FPM* (Standard Option-North America)
M8 x 1	Type A	250	38	8,5	14	SKK12-M8x1-PA-C6F	SKK12-M8x1-VA-C6F
		3625	1.50	.33	.55		
M10 x 1	Type A	630	35	9,8	14	SKK12-M10x1-PA-C6F	SKK12-M10x1-VA-C6F
		9137	1.38	.39	.67		
M12 x 1,5	Type B	630	31	12	17	SKK12-M12x1,5-PB-C6F	SKK12-M12x1,5-VB-C6F
		9137	1.22	.47	.67		
M14 x 1,5	Type B	630	31	12	19	SKK12-M14x1,5-PB-C6F	SKK12-M14x1,5-VB-C6F
		9137	1.22	.47	.75		
M16 x 1,5	Type B	630	31	12	22	SKK12-M16x1,5-PB-C6F	SKK12-M16x1,5-VB-C6F
		9137	1.22	.47	.87		
G1/4	Type B	630	30	12	19	SKK12-G1/4-PB-C6F	SKK12-G1/4-VB-C6F
		9137	1.18	.47	.75		
G3/8	Type B	630	31	12	22	SKK12-G3/8-PB-C6F	SKK12-G3/8-VB-C6F
		9137	1.22	.47	.87		
M12 x 1,5	Type C	630	31	12	17	SKK12-M12x1,5-PC-C6F	SKK12-M12x1,5-VC-C6F
		9137	1.22	.47	.67		
G1/8	Type C	400	40	8	14	SKK12-G1/8-PC-C6F	SKK12-G1/8-VC-C6F
		5801	1.57	.31	.55		
G1/4	Type C	630	31	12	19	SKK12-G1/4-PC-C6F	SKK12-G1/4-VC-C6F
		9137	1.22	.47	.75		
R1/8 K	Type D	400	33	8	17	SKK12-R1/8K-PD-C6F	SKK12-R1/8K-VD-C6F
		5801	1.30	.31	.55		
R1/4 K	Type D	630	30	12	17	SKK12-R1/4K-PD-C6F	SKK12-R1/4K-VD-C6F
		9137	1.18	.47	.55		
1/8 NPT	Type D	400	33	10	14	SKK12-1/8NPT-PD-C6F	SKK12-1/8NPT-VD-C6F
		5801	1.30	.39	.55		
1/4 NPT	Type D	630	28	15	14	SKK12-1/4NPT-PD-C6F	SKK12-1/4NPT-VD-C6F
		9137	1.10	.59	.55		
5/16-24 UNF	Type E	400	38	7,5	14	SKK12-5/16UNF-PE-C6F	SKK12-5/16UNF-VE-C6F
		5801	1.50	.30	.55		
7/16-20 UNF	Type E	630	33	9,1	17	SKK12-7/16UNF-PE-C6F	SKK12-7/16UNF-VE-C6F
		9137	1.30	.36	.67		
1/2-20 UNF	Type E	630	32	9,2	17	SKK12-1/2UNF-PE-C6F	SKK12-1/2UNF-VE-C6F
		9137	1.26	.36	.67		
9/16-18 UNF	Type E	630	31	10	19	SKK12-9/16UNF-PE-C6F	SKK12-9/16UNF-VE-C6F
		9137	1.22	.39	.75		
M12 x 1,5	Type E	630	32	11	17	SKK12-M12x1,5-PE-C6F	SKK12-M12x1,5-VE-C6F
		9137	1.26	.43	.67		

### Threads

\*1 Special thread: buttress thread S12,65 x 1,5

### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

### Sealing Details



O-ring Type A



Metal Joint Type B



Elastomeric Sealing Type C



Taper Type D  
(suitable sealant required)



O-ring Type E

### Protection Cap

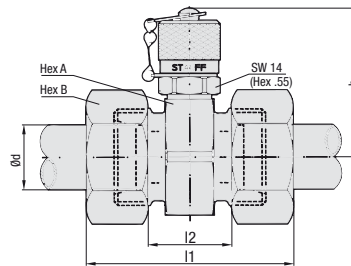
Standard material: Steel

For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SKK12-M10x1-VA-KK-C6F)

For further information on materials, sealings or protection caps, please see page B22.

Other port connections and sealings on request.  
 Please consult STAUFF for further information.

**Test Coupling complete with Straight Fitting  
SKK12 Type G**



▪ Compression ring fittings acc. to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

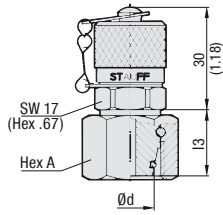
\* Standard option for North America is FPM (Viton®).

**Protection Cap**

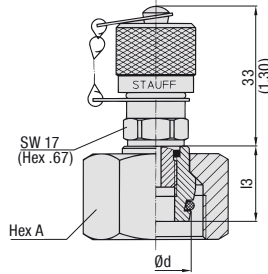
Standard material: Steel  
 For ordering the plastic protection cap version please add  
 "-KK" to the order code. (e.g. SKK12-06L-VG-KK-C6F)

For further information on materials, sealings or protection caps, please see page B22.

Series	PN ( <sup>bar</sup> /PS)	Pipe Ød	Dimensions (mm/m)					Order Codes	
			~I1	I2	h	Hex A	Hex B	NBR	FPM* (Standard Option-North America)
L	315 4568	6	51	21	46	24	14	SKK12-06L-PG-C6F	SKK12-06L-VG-C6F
			2.01	.83	1.81	.94	.55		
		8	51	21	46	24	17	SKK12-08L-PG-C6F	SKK12-08L-VG-C6F
			2.01	.83	1.81	.94	.67		
		10	53	23	46	24	19	SKK12-10L-PG-C6F	SKK12-10L-VG-C6F
			2.09	.91	1.81	.94	.75		
	12	53	23	47,5	27	22	SKK12-12L-PG-C6F	SKK12-12L-VG-C6F	
		2.09	.91	1.87	1.06	.87			
	15	55	25	49	30	27	SKK12-15L-PG-C6F	SKK12-15L-VG-C6F	
		2.17	.98	1.92	1.18	1.06			
	18	57	24	50	32	32	SKK12-18L-PG-C6F	SKK12-18L-VG-C6F	
		2.24	.94	1.97	1.26	1.26			
160 2320	22	61	28	52	36	36	SKK12-22L-PG-C6F	SKK12-22L-VG-C6F	
		2.40	1.10	2.05	1.42	1.42			
	28	61	28	54,5	41	41	SKK12-28L-PG-C6F	SKK12-28L-VG-C6F	
		2.40	1.10	2.15	1.61	1.61			
	35	69	26	57	46	50	SKK12-35L-PG-C6F	SKK12-35L-VG-C6F	
2.72		1.02	2.24	1.81	1.97				
42	71	25	61,5	55	60	SKK12-42L-PG-C6F	SKK12-42L-VG-C6F		
S	630 9137	6	55	25	46	24	17	SKK12-06S-PG-C6F	SKK12-06S-VG-C6F
			2.17	.98	1.81	.94	.67		
		8	55	25	46	24	19	SKK12-08S-PG-C6F	SKK12-08S-VG-C6F
			2.17	.98	1.81	.94	.75		
		10	57	24	46	24	22	SKK12-10S-PG-C6F	SKK12-10S-VG-C6F
			2.24	.94	1.81	.94	.87		
	12	57	24	46	24	24	SKK12-12S-PG-C6F	SKK12-12S-VG-C6F	
		2.24	.94	1.81	.94	.94			
	14	63	27	47,5	27	27	SKK12-14S-PG-C6F	SKK12-14S-VG-C6F	
		2.50	1.06	1.87	1.06	1.06			
	400 5801	16	63	26	49	30	30	SKK12-16S-PG-C6F	SKK12-16S-VG-C6F
			2.50	1.02	1.93	1.18	1.18		
		20	69	26	52	36	36	SKK12-20S-PG-C6F	SKK12-20S-VG-C6F
			2.72	1.02	2.05	1.42	1.42		
		25	75	27	54,5	41	46	SKK12-25S-PG-C6F	SKK12-25S-VG-C6F
2.95	1.06		2.15	1.61	1.81				
30	81	28	57	46	50	SKK12-30S-PG-C6F	SKK12-30S-VG-C6F		
315 4568	38	91	29	61,5	55	60	SKK12-38S-PG-C6F	SKK12-38S-VG-C6F	
		3.58	1.14	2.42	2.17	2.36			



Version A



Version B

### Test Coupling for 24° Cone Fittings SKK12 Type K



Series	PN (bar/psi)	Pipe Ød	Dimensions (mm/in)		Thread G	Version	Order Codes		
			I3	Hex A			NBR	FPM* (Standard Option-North America)	
L	315 4568	6	15,5 .61	14 .55	M12 x 1,5	A	SKK12-06L-PK-C6F	SKK12-06L-VK-C6F	
			8	15,5 .61					17 .67
		10	16,5 .65	19 .75	M16 x 1,5	A	SKK12-10L-PK-C6F	SKK12-10L-VK-C6F	
			12	17,5 .69					22 .87
		15	21 .83	27 1.06	M22 x 1,5	B	SKK12-15L-PK-GS-C6F	SKK12-15L-VK-GS-C6F	
			18	19,5 .77					32 1.26
	160 2320	22	20,5 .81	36 1.42	M30 x 2	B	SKK12-22L-PK-GS-C6F	SKK12-22L-VK-GS-C6F	
			28	25 .98					41 1.61
		35	30 1.18	50 1.97	M45 x 2	B	SKK12-35L-PK-GS-C6F	SKK12-35L-VK-GS-C6F	
			42	31 1.22					60 2.36
	S	630 9137	6	14,5 .57	17 .67	M14 x 1,5	A	SKK12-06S-PK-C6F	SKK12-06S-VK-C6F
				8	16,5 .65				
			10	16,5 .65	22 .87	M18 x 1,5	A	SKK12-10S-PK-C6F	SKK12-10S-VK-C6F
				12	17,5 .69				
14			19,5 .77	27 1.06	M22 x 1,5	B	SKK12-14S-PK-GS-C6F	SKK12-14S-VK-GS-C6F	
400 5801		16	18 .71	30 1.18					M24 x 1,5
			20	24 .94	36 1.42	M30 x 2	B	SKK12-20S-PK-GS-C6F	
		25	26 1.02	46 1.81	M36 x 2				B
			30	30 1.18		50 1.97	M42 x 2	B	
315 4568		38	34 1.34	60 2.36	M52 x 2	B			SKK12-38S-PK-GS-C6F

- For DKO connection
- According to ISO 8434-1 / DIN 2353
- Version A: one-piece design
- Version B: screwed design

#### Metal Parts

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

#### Sealings

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

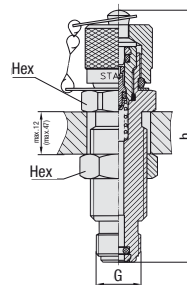
#### Protection Cap

Standard material: Steel  
 For ordering the plastic protection cap version please add  
 "-KK" to the order code. (e.g. SKK12-06L-VK-KK-C6F)

For further information on materials, sealings or protection caps, please see page B22.



**Bulkhead  
SSKK12**



**Threads**

\*1 Special thread: buttress thread S12,65 x 1,5

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

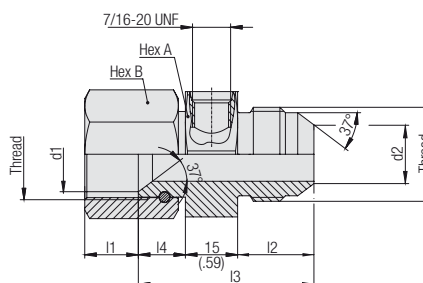
Thread	Dimensions (mm/in)		Order Codes	
	G	Hex	NBR	FPM* (Standard Option-North America)
S12*1	63	19	SSKK12-P-C6F	SSKK12-V-C6F
	2.48	0.75		

**Protection Cap**

Standard material: Steel  
 For ordering the plastic protection cap version please add "-KK" to the order code. (e.g. SSKK12-V-KK-C6F)

For further information on materials, sealings or protection caps, please see page B22.

**Swivel Run Tee with JIC Connection  
SGV-JIC Type F/M**

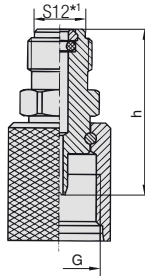


**Metal Parts**

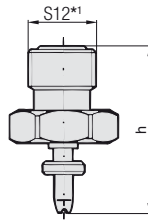
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

For further information please consult STAUFF.

Thread	Dimensions (mm/in)								Order Codes
	inch	Ø d1	Ø d2	l1	l2	l3	l4	Hex A	
7/16-20 UNF		7,49	4,9	9	14	37	8	27	17
		.29	.19	.35	.55	1.46	.31	1.06	.67
9/16-18 UNF		11,05	8,1	10,5	14	37,5	8,5	27	19
		.44	.32	.41	.55	1.48	.33	1.06	.75
3/4-16 UNF		15,9	10,8	10,5	16,7	43,7	12	30	22
		.63	.43	.41	.66	1.72	.47	1.18	.87
1-1/16-12 UNF		21,6	16,9	15,4	21,9	50,4	13,5	36	32
		.85	.66	.61	.86	1.98	.53	1.42	1.26
1-5/16-12 UNF		27,9	23,2	17,3	23,1	53,1	15	41	41
		1.10	.91	.68	.91	2.09	.59	1.61	1.61

**Adaptor  
SAD12**


Version A



Version B



Thread	Dimensions (mm/in)	Version	Order Codes	
			NBR	FPM* (Standard Option-North America)
M16 x 2	33	A	SAD12/20-P-C6F	SAD12/20-V-C6F
	1.30			
M16 x 1,5	33	A	SAD12/15-P-C6F	SAD12/15-V-C6F
	1.30			
Plug in	31	B	SAD12/10-P-C6F	SAD12/10-V-C6F
	1.22			

**Threads**

\*1 Special thread: buttress thread S12,65 x1,5

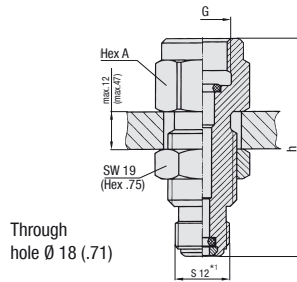
**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

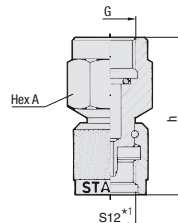
**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).



Gauge Adaptor SMA15



Direct Gauge Adaptor SMD15

**Gauge Adaptor  
SMA12**
**Direct Gauge Adaptor  
SMD12**


Thread	Dimensions (mm/in)		Order Codes	
	h	Hex A	NBR	FPM* (Standard Option-North America)
G1/4	51	19	SMA12-G1/4-P-OR-C6F	SMA12-G1/4-V-OR-C6F
	2.01	.75		
G1/2	61	27	SMA12-G1/2-P-OR-C6F	SMA12-G1/2-V-OR-C6F
	2.40	1.06		
1/4 NPT	51	19	SMA12-1/4NPT-P-C6F	SMA12-1/4NPT-V-C6F
	2.01	.75		
1/2 NPT	61	27	SMA12-1/2NPT-P-C6F	SMA12-1/2NPT-V-C6F
	2.40	1.06		
G1/4	35	19	SMD12-G1/4-P-OR-C6F	SMD12-G1/4-V-OR-C6F
	1.38	.75		
G1/2	45	27	SMD12-G1/2-P-OR-C6F	SMD12-G1/2-V-OR-C6F
	1.77	1.06		
1/4 NPT	35	19	SMD12-1/4NPT-P-C6F	SMD12-1/4NPT-V-C6F
	1.38	.75		
1/2 NPT	45	27	SMD12-1/2NPT-P-C6F	SMD12-1/2NPT-V-C6F
	1.77	1.06		

**Threads**

\*1 Special thread: buttress thread S12,65 x1,5

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".  
 For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".  
 For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

Snubber on request.

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

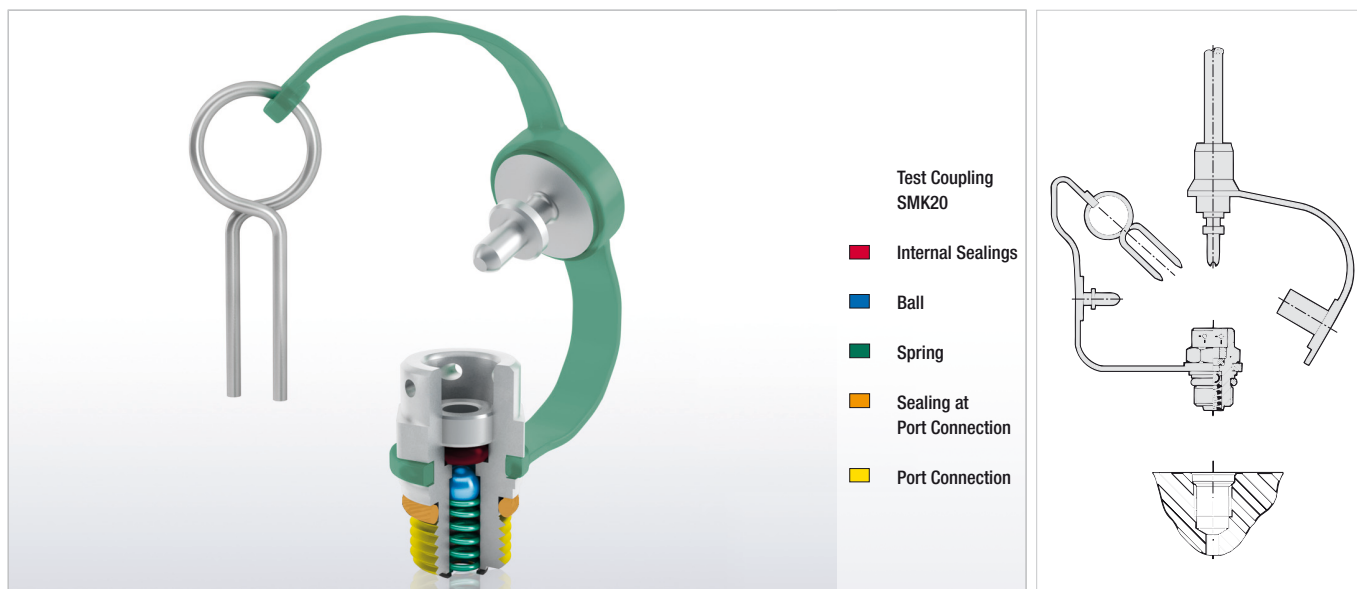
<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°

## Test Coupling with Ball Check



### Fast coupling for

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

### Advantages

- Test system at working pressure
- Leak proof connection before **ball check** is open
- Simple connection to measurement, control and switching devices

### Working Pressure

- Max. working pressure 400 bar / 5801 PSI  
For SMK Type G and K the recommended working pressure of fitting manufacturer should be noted.

### Materials

- **Metal Parts:**  
Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**
- **Ball:** Stainless Steel

### Sealings:

**P = NBR (Buna-N®)**

(Temperature range -20 °C ... +100 °C / -4 °F ... +212 °F)

Note: Internal sealings made of FPM, even for standard NBR-type.

**V = FPM (Viton®)\***

(Temperature range -20 °C ... +200 °C / -4 °F ... +392 °F)

**\* Standard option for North America is FPM (Viton®)**

**E = EPDM Ethylene Propylene Diene Monomer Rubber**  
(for Brake fluid,

Temperature range -40 °C ... +150 °C / -40 °F ... +302 °F)

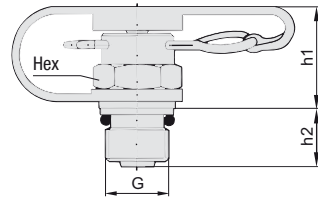
For ordering NBR or EPDM sealings please replace "V" with "P" or "E".

### Media

- Suitable for hydraulic oils and other Mineral oil based fluids  
(Check compatibility of seal material)
- For use with other liquid media please consult STAUFF

SMK10 Test Coupling with Port Connection	SMK10 Type G Test Coupling complete with Straight Fitting	SMK10 Type K Test Coupling for 24° Cone Fittings
		

## Test Coupling with Port Connection SMK10



Thread G	Sealing	Working Pressure ( <sup>bar</sup> / <sub>psi</sub> )	Dimensions ( <sup>mm</sup> / <sub>in</sub> )			Order Codes	
			h1	h2	Hex	NBR	FPM* (Standard Option-North America)
M8 x 1	Type A	250	17,5	8,5	12	SMK10-M8x1-PA-C6F	SMK10-M8x1-VA-C6F
		3625	.69	.33	.47		
		400	17,5	9,8	12	SMK10-M10x1-PA-C6F	SMK10-M10x1-VA-C6F
M10 x 1	Type A	5801	.69	.39	.47		
		400	17,5	8	12	SMK10-R1/8K-PD-C6F	SMK10-R1/8K-VD-C6F
R1/8 K	Type D	5801	.69	.31	.47		

### Metal Parts

Standard material: Steel, zinc/nickel-plated = C6F (CrVI-free)

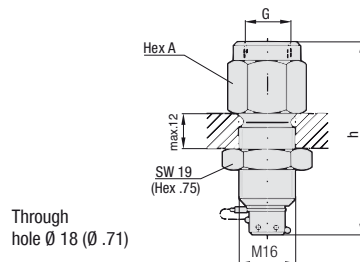
### Sealings

For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

For further information on materials or seals, please see page B28.

Further thread versions possible with use of thread adaptors SRS20, please see page B32.



## Gauge Adaptor SMA10



Thread G	Dimensions ( <sup>mm</sup> / <sub>in</sub> )		Order Codes	
	h	Hex A	NBR	FPM* (Standard Option-North America)
G1/4	57	19	SMA10-G1/4-P-OR-C6F	SMA10-G1/4-V-OR-C6F
	2.24	.75		
G1/2	67	27	SMA10-G1/2-P-OR-C6F	SMA10-G1/2-V-OR-C6F
	2.64	1.06		
1/4 NPT	57	19	SMA10-1/4NPT-P-C6F	SMA10-1/4NPT-V-C6F
	2.24	.75		
1/2 NPT	67	27	SMA10-1/2NPT-P-C6F	SMA10-1/2NPT-V-C6F
	2.64	1.06		

### Metal Parts

Standard material: Steel, zinc/nickel-plated = C6F (CrVI-free)

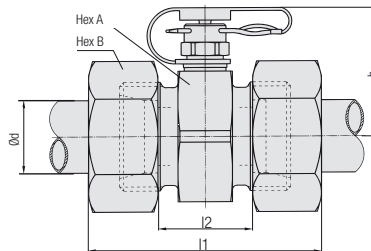
### Sealings

For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

Snubber on request.

**Test Coupling complete with Straight Fitting  
SMK10 Type G**



▪ Compression ring fittings acc. to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**

**Sealings**

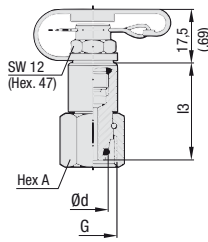
For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

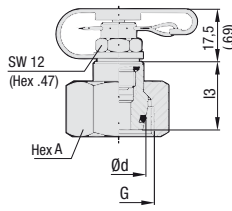
For further information on materials or sealings, please see page B28.

Series	PN ( <sup>bar/psi</sup> )	Pipe Ød	Dimensions ( <sup>mm</sup> / <sub>m</sub> )						Order Codes	
			~l1	l2	h	Hex A	Hex B	NBR	FPM* (Standard Option-North America)	
L	315 4568	6	51	21	29,5	24	14	SMK10-06L-PG-C6F	SMK10-06L-VG-C6F	
			2.01	.83	1.16	.94	.55			
		8	51	21	29,5	24	17	SMK10-08L-PG-C6F	SMK10-08L-VG-C6F	
			2.01	.83	1.16	.94	.67			
		10	53	23	29,5	24	19	SMK10-10L-PG-C6F	SMK10-10L-VG-C6F	
			2.09	.91	1.16	.94	.75			
		12	53	23	31	27	22	SMK10-12L-PG-C6F	SMK10-12L-VG-C6F	
			2.09	.91	1.22	1.06	.87			
	15	55	25	32,5	30	27	SMK10-15L-PG-C6F	SMK10-15L-VG-C6F		
		2.17	.98	1.28	1.18	1.06				
	18	57	24	33,5	32	32	SMK10-18L-PG-C6F	SMK10-18L-VG-C6F		
		2.24	.94	1.32	1.26	1.26				
	160 2320	22	61	28	33,5	36	36	SMK10-22L-PG-C6F	SMK10-22L-VG-C6F	
			2.40	1.10	1.32	1.42	1.42			
		28	61	28	38	41	41	SMK10-28L-PG-C6F	SMK10-28L-VG-C6F	
			2.40	1.10	1.50	1.61	1.61			
35		69	26	40,5	46	50	SMK10-35L-PG-C6F	SMK10-35L-VG-C6F		
	2.72	1.02	1.59	1.81	1.97					
42	71	25	45	55	60	SMK10-42L-PG-C6F	SMK10-42L-VG-C6F			
			2.80	.98	1.77	2.17	2.36			
S	400 5801	6	55	25	29,5	24	17	SMK10-06S-PG-C6F	SMK10-06S-VG-C6F	
			2.17	.98	1.16	.94	.67			
		8	55	25	29,5	24	19	SMK10-08S-PG-C6F	SMK10-08S-VG-C6F	
			2.17	.98	1.16	.94	.75			
		10	57	24	29,5	24	22	SMK10-10S-PG-C6F	SMK10-10S-VG-C6F	
			2.24	.94	1.16	.94	.87			
		12	57	24	29,5	24	24	SMK10-12S-PG-C6F	SMK10-12S-VG-C6F	
			2.24	.94	1.16	.94	.94			
		14	63	27	31	27	27	SMK10-14S-PG-C6F	SMK10-14S-VG-C6F	
			2.50	1.06	1.22	1.06	1.06			
		16	63	26	32,5	30	30	SMK10-16S-PG-C6F	SMK10-16S-VG-C6F	
			2.50	1.02	1.28	1.18	1.18			
		20	69	26	35,5	36	36	SMK10-20S-PG-C6F	SMK10-20S-VG-C6F	
			2.72	1.02	1.40	1.42	1.42			
25	75	27	38	41	46	SMK10-25S-PG-C6F	SMK10-25S-VG-C6F			
	2.95	1.06	1.50	1.61	1.81					
30	81	28	40,5	46	50	SMK10-30S-PG-C6F	SMK10-30S-VG-C6F			
	3.19	1.10	1.59	1.81	1.97					
315 4568	38	91	29	45	55	60	SMK10-38S-PG-C6F	SMK10-38S-VG-C6F		
		3.58	1.14	1.77	2.17	2.36				



**Test Coupling for 24° Cone Fittings  
SMK10 Type K**


Version A



Version B



Series	PN (bar/psi)	Pipe Ød	Dimensions (mm/in)			Thread	Version	Order Codes	
			I3	Hex A	G			NBR	FPM* (Standard Option-North America)
L	315 4568	6	15,5	14	M12 x 1,5	A	SMK10-06L-PK-GS-C6F	SMK10-06L-VK-GS-C6F	
			.61	.55					
		8	15,5	17	M14 x 1,5	A	SMK10-08L-PK-GS-C6F	SMK10-08L-VK-GS-C6F	
			.61	.67					
		10	16,5	19	M16 x 1,5	A	SMK10-10L-PK-GS-C6F	SMK10-10L-VK-GS-C6F	
			.65	.75					
	12	17,5	22	M18 x 1,5	A	SMK10-12L-PK-GS-C6F	SMK10-12L-VK-GS-C6F		
		.69	.87						
	15	21	27	M22 x 1,5	B	SMK10-15L-PK-GS-C6F	SMK10-15L-VK-GS-C6F		
		.83	1.06						
	18	19,5	32	M26 x 1,5	B	SMK10-18L-PK-GS-C6F	SMK10-18L-VK-GS-C6F		
		.77	1.26						
	160 2320	22	20,5	36	M30 x 2	B	SMK10-22L-PK-GS-C6F	SMK10-22L-VK-GS-C6F	
			.81	1.42					
28		25	41	M36 x 2	B	SMK10-28L-PK-GS-C6F	SMK10-28L-VK-GS-C6F		
		.98	1.61						
35		30	50	M45 x 2	B	SMK10-35L-PK-GS-C6F	SMK10-35L-VK-GS-C6F		
	1.18	1.97							
42	31	60	M52 x 2	B	SMK10-42L-PK-GS-C6F	SMK10-42L-VK-GS-C6F			
S	400 5801	6	14,5	17	M14 x 1,5	A	SMK10-06S-PK-GS-C6F	SMK10-06S-VK-GS-C6F	
			.57	.67					
		8	16,5	19	M16 x 1,5	A	SMK10-08S-PK-GS-C6F	SMK10-08S-VK-GS-C6F	
			.65	.75					
		10	16,5	22	M18 x 1,5	A	SMK10-10S-PK-GS-C6F	SMK10-10S-VK-GS-C6F	
			.65	.87					
		12	17,5	24	M20 x 1,5	A	SMK10-12S-PK-GS-C6F	SMK10-12S-VK-GS-C6F	
			.69	.94					
		14	19,5	27	M22 x 1,5	B	SMK10-14S-PK-GS-C6F	SMK10-14S-VK-GS-C6F	
			.77	1.06					
	16	18	30	M24 x 1,5	B	SMK10-16S-PK-GS-C6F	SMK10-16S-VK-GS-C6F		
.71		1.18							
20	24	36	M30 x 2	B	SMK10-20S-PK-GS-C6F	SMK10-20S-VK-GS-C6F			
	.94	1.42							
25	26	46	M36 x 2	B	SMK10-25S-PK-GS-C6F	SMK10-25S-VK-GS-C6F			
	1.02	1.81							
30	30	50	M42 x 2	B	SMK10-30S-PK-GS-C6F	SMK10-30S-VK-GS-C6F			
	1.18	1.97							
315 4568	38	34	60	M52 x 2	B	SMK10-38S-PK-GS-C6F	SMK10-38S-VK-GS-C6F		
		1.34	2.36						

- For DKO connection
- According to ISO 8434-1 / DIN 2353

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = C6F (CrVI-free)

**Sealings**

For ordering NBR sealings replace "V" with "P".  
For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

For further information on materials or sealings, please see page B28.

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

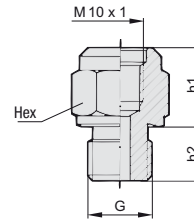
<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°

## Thread Adaptor SRS20



### Metal Parts

Standard Material SRS20:

Steel, zinc/nickel-plated = **C6F (CrVI-free)**

For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".

For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

### Sealings

For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

\* Standard option for North America is FPM (Viton®).

### Sealing Details



Metal Joint Type B



Elastomeric Sealing Type C

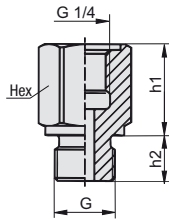


Taper Type D  
(suitable sealant required)



O-ring Type E

Thread G	Sealing	Dimensions ( <sup>mm</sup> / <sub>in</sub> )			Order Codes
		h1	h2	Hex	
M10 x 1	Type B	15,5	8,5	17	SRS20-M10x1-B-C6F
		.61	.33	.67	
M12 x 1,5		15	12	19	SRS20-M12x1,5-B-C6F
		.59	.47	.75	
M14 x 1,5		15	12	19	SRS20-M14x1,5-B-C6F
		.59	.47	.75	
M16 x 1,5		8	12	22	SRS20-M16x1,5-B-C6F
		.31	.47	.87	
M18 x 1,5		15	12	24	SRS20-M18x1,5-B-C6F
		.59	.47	.94	
M22 x 1,5		10,5	14	27	SRS20-M22x1,5-B-C6F
		.41	.55	1.06	
G1/8		15,5	8	17	SRS20-G1/8-B-C6F
G1/4		.61	.31	.67	
		15	12	19	SRS20-G1/4-B-C6F
G3/8		.59	.47	.75	
		10,5	12	22	SRS20-G3/8-B-C6F
G1/2		.41	.47	.87	
		10,5	14	27	SRS20-G1/2-B-C6F
M12 x 1,5		.41	.55	1.06	
	15	12	19	SRS20-M12x1,5-PC-C6F	
M14 x 1,5	.59	.47	.75		
	15	12	19	SRS20-M14x1,5-PC-C6F	
M18 x 1,5	.59	.47	.75		
	15	12	24	SRS20-M18x1,5-PC-C6F	
G1/8	.59	.47	.75		
	16	8	17	SRS20-G1/8-PC-C6F	
G1/4	.63	.31	.67		
	15	12	19	SRS20-G1/4-PC-C6F	
G3/8	.59	.47	.75		
	10,5	12	22	SRS20-G3/8-PC-C6F	
G1/2	.41	.47	.87		
	10,5	14	27	SRS20-G1/2-PC-C6F	
R1/4 K	.41	.55	1.06		
	13	12	17	SRS20-R1/4K-D-C6F	
R3/8 K	.51	.47	.67		
	13	14	19	SRS20-R3/8K-D-C6F	
R1/2 K	.51	.55	.75		
	8	19	22	SRS20-R1/2K-D-C6F	
1/4 NPT	.31	.75	.87		
	10	15	17	SRS20-1/4NPT-D-C6F	
1/2 NPT	.39	.59	.67		
	8	20	22	SRS20-1/2NPT-D-C6F	
7/16-20 UNF	.31	.79	.87		
	9	9,1	17	SRS20-7/16UNF-PE-C6F	
1/2-20 UNF	.35	.36	.67		
	15	9,2	17	SRS20-1/2UNF-PE-C6F	
9/16-18 UNF	.59	.36	.67		
	15,5	10	19	SRS20-9/16UNF-PE-C6F	
7/8-14 UNF	.61	.39	.75		
	11	16	27	SRS20-7/8UNF-PE-C6F	
M14 x 1,5	.43	.63	1.06		
	14,5	11	19	SRS20-M14x1,5-PE-C6F	
M16 x 1,5	.57	.43	.75		
	8,5	12,5	22	SRS20-M16x1,5-PE-C6F	
M22 x 1,5	.33	.49	.87		
	10	15	27	SRS20-M22x1,5-PE-C6F	
M27 x 2	.39	.59	1.06		
	10	18,5	32	SRS20-M27x2-PE-C6F	
		.39	.73	1.26	

**Thread Adaptor  
SRS15**


Thread	Sealing	Dimensions (mm/in)			Order Codes
		h1	h2	Hex	
G					
M14 x 1,5	Type B	24	12	19	SRS15-M14x1,5-B-C6F
		.95	.47	.75	
M16 x 1,5		24	12	22	SRS15-M16x1,5-B-C6F
		.95	.47	.87	
M18 x 1,5		24	12	24	SRS15-M18x1,5-B-C6F
		.95	.47	.95	
M20 x 1,5		10,5	14	27	SRS15-M20x1,5-B-C6F
		.41	.55	1.06	
G3/8		24	12	22	SRS15-G3/8-B-C6F
		.95	.47	.87	
G1/2		10,5	14	27	SRS15-G1/2-B-C6F
		.41	.55	1.06	
M14 x 1,5	Type C	24	12	19	SRS15-M14x1,5-PC-C6F
		.95	.47	.75	
M16 x 1,5		24	12	22	SRS15-M16x1,5-PC-C6F
		.95	.47	.87	
M18 x 1,5		24	12	24	SRS15-M18x1,5-PC-C6F
		.95	.47	.95	
G3/8		24	12	22	SRS15-G3/8-PC-C6F
		.95	.47	.87	

**Metal Parts**

Standard material SRS15:

 Steel, zinc/nickel-plated = **C6F (CrVI-free)**

For ordering V2A (1.4305 / AISI 303) replace "C6F" with "V2A".

For ordering V4A (1.4571 / AISI 316Ti) replace "C6F" with "V4A".

**Sealings**

For ordering NBR sealings replace "V" with "P".

For ordering EPDM sealings replace "V" with "E".

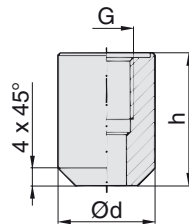
\* Standard option for North America is FPM (Viton®).

**Sealing Details**


Metal Joint Type B



Elastomeric Sealing Type C


**Welding Adaptor  
SAS**


Thread	Port Connection	Dimensions (mm/in)		Order Codes
		h	Ød	
G				
M10 x 1	Type A	25	20	SAS-M10x1
		.98	.79	
G1/8	Type B/C	25	20	SAS-G1/8
		.98	.79	
G1/4		30	22	SAS-G1/4
		1.18	.87	
G3/8		30	25	SAS-G3/8
		1.18	.98	
1/4 NPT	Type D	25	20	SAS-1/4NPT
		.98	.79	
1/2-20 UNF	Type E	25	20	SAS-1/2UNF
		.98	.79	

**Metal Parts**

 Standard material: **S235 (St 37), phosphated**

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6 .54	22,6 .89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°



### Technical Data for Test Hose



		A	B (Standard Version)	C	D
Nominal Bore (DN)	(mm)	DN 2		DN 4	
Max. Working Pressure (PN)	(bar / PSI)	400 / 5801	630 / 9135	340 / 4931	630 / 9135
Min. Burst Pressure	(bar / PSI)	1100 / 15954	1900 / 27557	850 / 12328	1900 / 27557
Testing Pressure	(bar / PSI)	600 / 8702	950 / 13778	570 / 8267	950 / 13779
Pressure Rating in bar / PSI at Indicated Temperature	at 0 °C / 32 °F	488 / 7077	768 / 11138	463 / 6715	768 / 11139
	at 30 °C / 86 °F	440 / 6381	693 / 10051	418 / 6063	693 / 10051
	at 50 °C / 122 °F	400 / 5801	630 / 9137	380 / 5511	630 / 9137
	at 80 °C / 176 °F	344 / 4989	542 / 7861	327 / 4743	542 / 7861
	at 100 °C / 212 °F	308 / 4467	485 / 7034	293 / 4250	485 / 7034
Working Temperature	(°C / °F)	-35 °C ... +100 °C / -31 °F ... +212 °F (momentary +120 °C / +248 °F)			
Inside Diameter	(mm / in)	2 / .08		4 / .16	
Outside Diameter	(mm / in)	5 / .20		8,6 / .34	
Bending Radius	at working pressure	20 / .79		40 / 1.57	
	at -20 °C / 4 °F	30 / 1.18		60 / 2.36	
Max. Coil Length	(m / ft)	100 / 328			
Weight / m	(g / oz)	16 / .50		42 / 1.35	
Inner / Outer Tube		PA			
Reinforcement		Synthetic Fibre			
Standard hose end material is Steel 11 S Mn Pb 30 (1.0718), zinc/nickel-plated (Type 15: Steel, black zinc/nickel-plated)					
Stainless Steel: V2A (1.4305/AISI 303), V4A (1.4571/AISI 316Ti) on request					

### Standard Hose

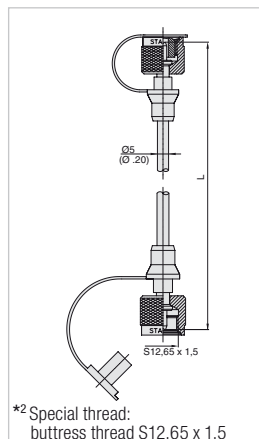
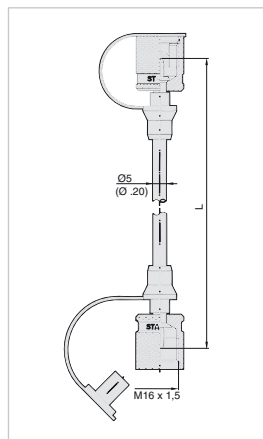
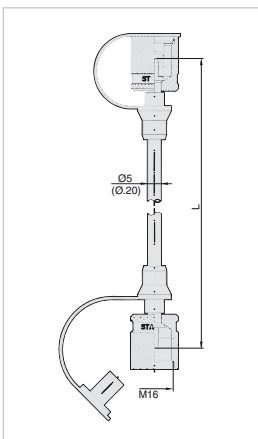
STAUFF-Test 20/20

STAUFF-Test 15/15

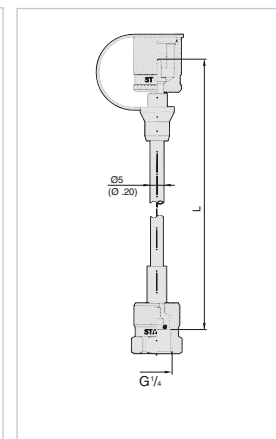
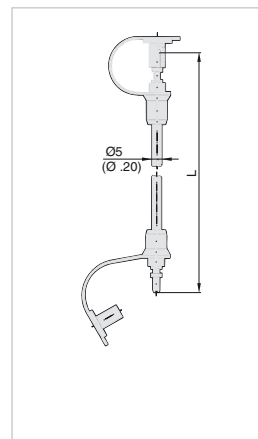
STAUFF-Test 12/12\*2

STAUFF-Test 10/10

Gauge Adaptor



\*2 Special thread: buttress thread S12,65 x 1,5



- Max. Working Pressure: 400 bar / 5801 PSI
- Burst Pressure: 1100 bar / 15954 PSI
- Pressure/t° factor:
  - to 0 °C 122 %
  - at 30 °C 110 %
  - at 50 °C 100 %
  - at 80 °C 86 %
  - at 100 °C 77 %

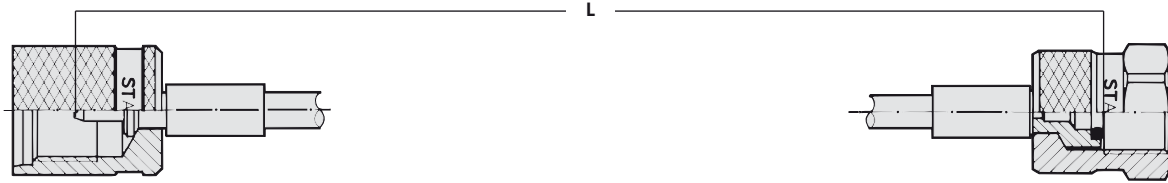
- Max. Working Pressure: 630 bar / 9137 PSI
- Burst Pressure: 1900 bar / 27557 PSI
- Pressure/t° factor:
  - to 0 °C 122 %
  - at 30 °C 110 %
  - at 50 °C 100 %
  - at 80 °C 86 %
  - at 100 °C 77 %

- Max. Working Pressure: 400 bar / 5801 PSI
- Burst Pressure: 1100 bar / 15954 PSI
- Pressure/t° factor:
  - to 0 °C 122 %
  - at 30 °C 110 %
  - at 50 °C 100 %
  - at 80 °C 86 %
  - at 100 °C 77 %

- Max. Working Pressure: 400 bar / 5801 PSI
- Burst Pressure: 1100 bar / 15954 PSI
- Pressure/t° factor:
  - to 0 °C 122 %
  - at 30 °C 110 %
  - at 50 °C 100 %
  - at 80 °C 86 %
  - at 100 °C 77 %

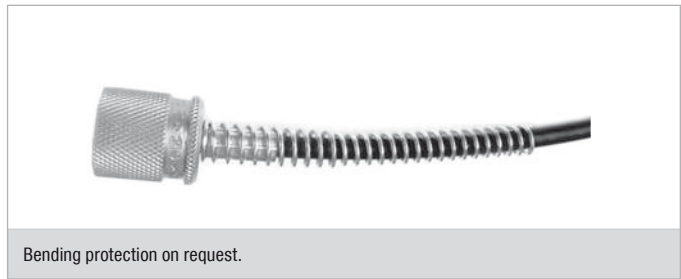
- Gauge adaptor 1/4 NPT, G1/2 and 1/2 NPT on request
- Gauge adaptor available for all STAUFF-Test series

## Order Code STAUFF Test Hose



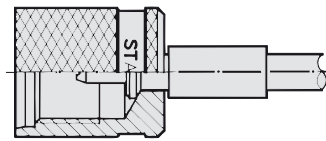
SMS *1	20	/ M . . . .	1219	B	C6F	
Hose End 1 (see pages B38 - B43)		Hose End 2 (see pages B38 - B43)		Length	DN / Hose Size	Material Hose End
20	A . . . .	J . . . .	only specify when 2 different hose ends are required	<b>Length in mm</b> (see L above)  Standard Lengths see table below.	A = DN 2 400 bar / 5802 PSI	Standard hose end material is Steel 11 S Mn Pb 30 (1.0718), zinc/nickel-plated = C6F Type 15: Steel, black zinc/nickel-plated = C6F Stainless Steel: V2A (1.4305/AISI 303), V4A (1.4571/AISI 316Ti) on request
15	S . . . .	D . . . .			<b>B*2 = DN 2 630 bar / 9137 PSI</b>	
12	K . . . .	B . . . .			C*3 = DN 4 340 bar / 4931 PSI	
10	L . . . .	U . . . .			D*3 = DN 4 630 bar / 9137 PSI	
M . . . .	G . . . .	P . . . .				
N . . . .	F . . . .	etc.				
W . . . .	C . . . .					
*1 for gaseous media type SGS - Test hoses are perforated *2 <b>Standard test hose option for North America is version B.</b> *3 Type C and D - are perforated						

Standard Length L*	
in mm	in in
305	12
610	24
915	36
1219	48
1524	60
1829	72
2438	96
3048	120
6096	240



STAUFF Test

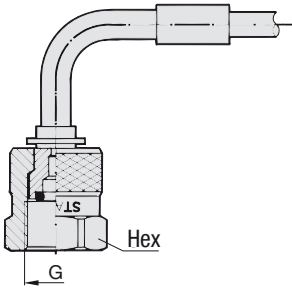
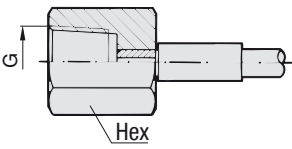
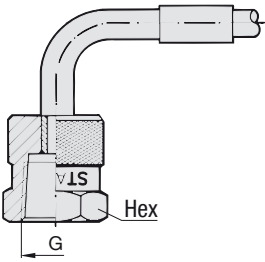
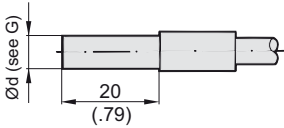
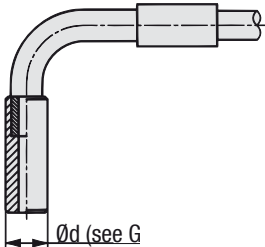
## Order Code STAUFF Hose End



HE	20	B	C6F	
Hose End (see pages B38 - B43)			DN / Hose Size	Material Hose End
20	A . . . .	J . . . .	A = DN 2 400 bar / 5802 PSI	Standard hose end material is Steel 11 S Mn Pb 30 (1.0718), zinc/nickel-plated = C6F Type 15: Steel, black zinc/nickel-plated = C6F Stainless Steel: V2A (1.4305/AISI 303), V4A (1.4571/AISI 316Ti) on request
15	S . . . .	D . . . .	<b>B = DN 2 630 bar / 9137 PSI</b>	
12	K . . . .	B . . . .	C = DN 4 340 bar / 4931 PSI	
10	L . . . .	U . . . .	D = DN 4 630 bar / 9137 PSI	
M . . . .	G . . . .	P . . . .		
N . . . .	F . . . .	etc.		
W . . . .	C . . . .			

STAUFF Hose End

Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size	
	STAUFF-Test Screw-type  suitable for test points		20	M16 x 2	2 and 4	
			15	M16 x 1,5		
			12	S12,62 x 1,5		
	STAUFF-Test Screw-type 90° elbow  suitable for test points	0	20	M16 x 2	2	
			15	M16 x 1,5		
			12	S12,62 x 1,5		
	STAUFF-Test Screw-type 90° elbow  suitable for test points  (short wire version)	0X	20	M16 x 2	17 .67 2	
			15	M16 x 1,5		
			12	S12,62 x 1,5		
	STAUFF-Test Plug in-type		10	Plug in system	2	
	Gauge adaptor BSP-thread  for G3/8, G1/2, M14 x 1,5 and M20 x 1,5 swivel nut like type N	M	1/4	G1/4	19 .75 2 and 4	
			1/2	G1/2		27 1.06
			3/8	G3/8	22 .87	2
			14	M14 x 1,5	19 .75	
			20	M20 x 1,5	27 1.06	

Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size	
	90° elbow gauge adaptor BSP-thread  for G1/2 swivel nut like type N	W	1/4	G1/4	19 .75	2 and 4
			1/2	G1/2	27 1.06	
	Gauge adaptor NPT-thread  for 1/4 NPT swivel nut like type M	N	1/4	1/4 NPT	19 .75	2
			1/2	1/2 NPT	27 1.06	
	90° elbow gauge adaptor NPT-thread  for 1/2 NPT swivel nut like type N	A	1/4	1/4 NPT	19 .75	2 and 4
			1/2	1/2 NPT	27 1.06	
	Standpipe for compression ring fittings according to ISO 8434-1 / DIN 2353  Note: Standpipe version is not in accordance with the state of the art. Use at own risk. We recommend the use of the series K, R or L.	S	4	4 LL		2
			6	6 L - 6 S		2 and 4
			8	8 L - 8 S		
			10	10 L - 10 S		
			12	12 L - 12 S		2
			1/4	1/4		2 and 4
	Standpipe for compression ring fittings according to ISO 8434-1 / DIN 2353 90° elbow  Note: Standpipe version is not in accordance with the state of the art. Use at own risk. We recommend the use of the series K, R or L.	SG	6	6 L - 6 S		2 and 4
			8	8 L - 8 S		

STAUFF Hose End

Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size	
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut	K	6 L	M12 x 1,5	14 .55	2 and 4
			8 L	M14 x 1,5	17 .67	
			10 L	M16 x 1,5	19 .75	
			12 L	M18 x 1,5	22 .87	
			6 S	M14 x 1,5	17 .67	
			8 S	M16 x 1,5	19 .75	
			10 S	M18 x 1,5	22 .87	
			12 S	M20 x 1,5	24 .94	
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut 45° elbow	R	6 L	M12 x 1,5	14 .55	2 and 4
			6 S	M14 x 1,5	14 .67	
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut 90° elbow	L	6 L	M12 x 1,5	14 .55	2 and 4
			8 L	M14 x 1,5	17 .67	
			10 L	M16 x 1,5	19 .75	
			6 S	M14 x 1,5	17 .67	
			8 S	M16 x 1,5	19 .75	
			10 S	M18 x 1,5	24 .94	
	Male thread according to DIN 3852-B	G	12	M12 x 1,5	17 .67	2 and 4
			1/8	G1/8	14 .55	
			1/4	G1/4	19 .75	
			1/2	G1/2	27 1.06	
	Male thread NPT according to ANSI-standard	F	1/8	1/8 NPT	13 .51	2 and 4
			1/4	1/4 NPT	17 .67	

Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size
	Male thread for 24° cone fitting according to ISO 8434-1 / DIN 2353	C	6 L	M12 x 1,5	14 .55
			8 L	M14 x 1,5	17 .67
			6 S	M14 x 1,5	17 .67
			8 S	M16 x 1,5	17 .67
	Male thread according to SAE J 514	J	1/4	7/16-20 UNF	14 .55
			5/16	1/2-20 UNF	14 .55
			3/8	9/16-18 UNF	17 .67
	Universal sealing head with swivel nut for 24° cone fitting according to ISO 8434-1 / DIN 2353	D	6 L	M12 x 1,5	14 .55
			8 L	M14 x 1,5	17 .67
			10 L	M16 x 1,5	19 .75
			12 L	M18 x 1,5	22 .87
			6 S	M14 x 1,5	17 .67
			8 S	M16 x 1,5	19 .75
			10 S	M18 x 1,5	22 .87
	Universal sealing head with swivel nut for 24° cone fitting according to ISO 8434-1 / DIN 2353 90° elbow	Q	10 L	M16 x 1,5	19 .75
			10 S	M18 x 1,5	22 .87
	Sealing head with swivel nut for cone fitting according to DIN EN 560	B	1/8	G1/8	12 .47
			1/4	G1/4	17 .67

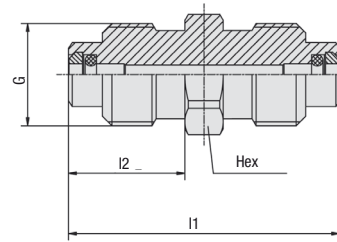
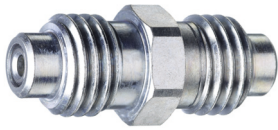
STAUFF Hose End

Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size	
	Sealing head with swivel nut according to SAE J 514 37° cone	U	1/4	7/16-20 UNF	14 .55	
			5/16	1/2-20 UNF	17 .67	2 and 4
			3/8	9/16-18 UNF	19 .75	
	Sealing head with swivel nut according to SAE J 516 45° cone	UR	1/4	7/16-20 UNF	14 .55	2
	Sealing head with swivel nut according to SAE J 516 37° cone 90° elbow	E	1/4	7/16-20 UNF	14 .55	2 and 4
	Sealing head with swivel nut according to SAE J 516 45° cone 90° elbow	ER	1/4	7/16-20 UNF	14 .55	2
	Test hose for air brake systems	P	2	M16 x 1,5	19 .75	2



Hose End	Description	Type	G	Hex (mm/in)	DN Hose Size
	Sealing head with swivel nut 60° cone	H	1/4	G1/4	17 .67 2 and 4
	Screw-type ORFS according to SAE J 1453	T	9/16	9/16-18 UNF	17 .67 2
	Screw-type ORFS according to SAE J 1453 90° elbow	V	11/16	11/16-16 UN	21 .83 2 and 4
	Hose end with integrated check valve	RV	20	M16 x 2	2
			15	M16 x 1,5	

**Hose Connector  
SSV**



**Sealings**

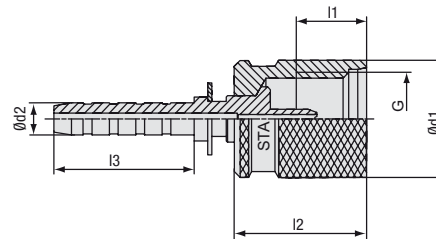
Internal sealings made of FPM (Viton®).

**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**  
 Standard material SSV15:  
 Steel, black zinc/nickel-plated = **C6F (CrVI-free)**  
 For ordering **V2A (1.4305 / AISI 303)** replace "C6F" with "V2A".  
 For ordering **V4A (1.4571 / AISI 316Ti)** replace "C6F" with "V4A".

Thread	Dimensions (mm/in)			Order Codes
	G	l1	l2 Hex	
M16 x 2	42,5	18,5	17	SSV20-C6F
	1.67	.73	.67	
M16 x 1,5	42,5	18,5	17	SSV15-C6F
	1.67	.73	.67	
S12,65 x 1,5	31	12,5	14	SSV12-C6F
	1.22	.49	.55	

**Sampling Hose Adaptor  
SHA**



**Metal Parts**

Standard material: Steel, zinc/nickel-plated = **C6F (CrVI-free)**

Dimensions (mm/in)	Order Code					
	Ød1	Ød2	l1	l2	l3	G
22	5,5	13	23	24	18	SHA20-5.5MM-C6F
.87	.22	.51	.91	.94	.71	

Port Connections and Sealing Details

<p><b>Type A</b></p>	<p>Type A - Threaded port according to factory standard Sealing: O-ring Type A</p>			
	Thread	Dimensions (mm/in)		
G	d1 +0,1	t1 min.	t2 min.	
M8 x 1	9,5 .37	11 .43	15,5 .61	
M10 x 1	11,5 .45	12 .47	16,5 .64	

<p><b>Type B and C</b></p>	<p>Type B and C - Threaded port type X acc. to DIN 3852 Part 1 and 2; ISO 9974-1 (metric); ISO 1179-1 (inch) Sealing: Metal joint Type B / Elastomeric sealing Type C</p>				
	Thread	Dimensions (mm/in)			
G	d1 min.	t1 min.	t2 min.	a max.	
M10 x 1	15 .59	8 .31	10 .39	1 .04	
M12 x 1,5	18 .71	12 .47	15 .59	1,5 .06	
M14 x 1,5	20 .79	12 .47	15 .59	1,5 .06	
M16 x 1,5	23 .91	12 .47	15 .59	1,5 .06	
M18 x 1,5	25 .98	12 .47	15 .59	2 .08	
M20 x 1,5	27 1.06	14 .55	17 .67	2 .08	
M22 x 1,5	28 1.10	14 .55	17 .67	2,5 .10	
G1/8	15 .59	8,5 .33	10,5 .41	1 .04	
G1/4	20 .79	12,5 .49	15,5 .61	1,5 .06	
G3/8	23 .91	12,5 .49	15,5 .61	2 .08	
G1/2	28 1.10	14,5 .57	18,5 .73	2,5 .10	

<p><b>Type D</b></p>	<p>Type D - Parallel threaded port type Z according to DIN 3852 Part 2 (inch) Sealing: Taper Type D suitable sealant required</p>		
	Thread	Dimensions (mm/in)	
G	t1 min.	t2 min.	
Rp1/8	5,5 .22	9,5 .37	
Rp1/4	8,5 .33	13,5 .53	
Rp3/8	8,5 .33	13,5 .53	
Rp1/2	10,5 .41	16,5 .65	

## Port Connections and Sealing Details

Type D	Type D - Taper threaded port according to ANSI/ASME B1.20.1-1983 (NPT) Sealing: Taper Type D suitable sealant required		
	Thread	Dimensions (mm/in)	
	<b>G</b>	<b>t1 min.</b>	<b>t2 min.</b>
	1/8-27 NPT	6,9 .27	11,6 .46
	1/4-18 NPT	10 .39	16,4 .65
	1/2-14 NPT	13,6	22,6
		.54	.89

Type E	Type E - Threaded port according to ISO 6149-1 (metric); ISO 11926-1 (UNF) Sealing: O-ring Type E							
	Thread	Dimensions (mm/in)						
	<b>G</b>	<b>d1 +0,1</b>	<b>d2 min.</b>	<b>t1 min.</b>	<b>t2 min.</b>	<b>a +0,4</b>	<b>b max.</b>	<b>z° ±1°</b>
	M10 x 1	11,1 .44	16 .63	10 .39	11,5 .45	1,6 .06	1 .04	12°
	M12 x 1,5	13,8 .54	19 .75	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M14 x 1,5	15,8 .62	21 .83	11,5 .45	14 .55	2,4 .09	1,5 .06	15°
	M16 x 1,5	17,8 .70	24 .94	13 .51	15,5 .61	2,4 .09	1,5 .06	15°
	M22 x 1,5	23,8 .94	29 1.14	15,5 .61	18 .71	2,4 .09	2 .08	15°
	M27 x 2	29,4 1.16	34 1.34	19 .75	22 .87	3,1 .91	2 .08	15°
	5/16-24 UNF	9,1 .36	17 .67	10 .39	12 .47	1,9 .07	1,6 .06	12°
	7/16-24 UNF	12,4 .49	21 .83	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	1/2-20 UNF	14 .55	23 .91	11,5 .45	14 .55	2,4 .09	1,6 .06	12°
	9/16-18 UNF	15,65 .62	25 .98	12,7 .50	15,5 .61	2,5 .10	1,6 .06	12°
	7/8-14 UNF	23,95 .94	34 1.34	16,7 .66	20 .79	2,5 .10	2,4 .09	15°