

DN2 & DN4 High Pressure Hoses



Inner core : Polyamide

Reinforcement : One braided layer of high tensile synthetic fibre

Outer cover : Polyamind or Polyurethane

Colour : Black

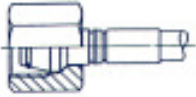
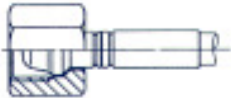
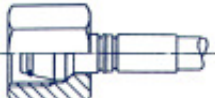
Test pressure : 2 times dynamic operating pressure

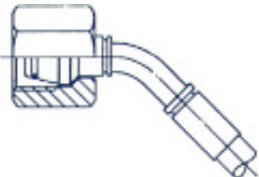
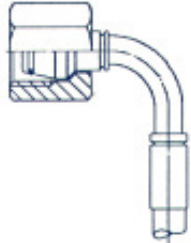
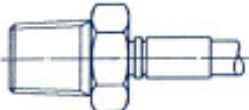
Temperature : -40⁰ C to +100⁰ C for continuous service

Exposure to temperatures outside this range can lead to a shorter service life.

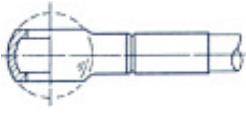
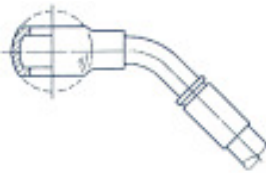
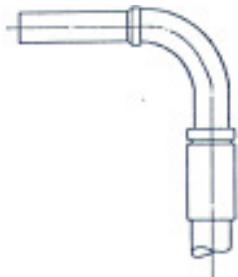
DN	ID mm.	OD mm.	Bend Radius mm.	Dynamic Working Pressure Bar	Static Working Pressure Bar	Test Pressure Bar	Note
2	2.0	4.9	20	275	440	1100	
2	2.0	4.9	20	475	760	1900	
4	4.0	8.1	40	440	700	1750	

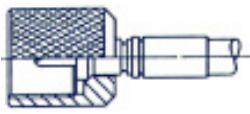
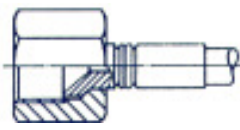
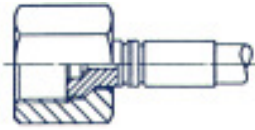
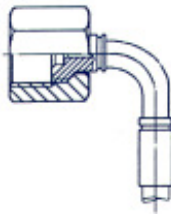
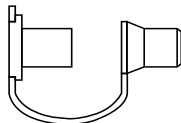
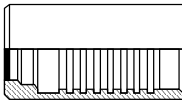
FITTINGS

24⁰ Cone fitting 	Hose DN	Fitting Thread	Note
	2	M12x1.5	
	2	M14x1.5	
	2	M16x1.5	
	4	M12x1.5	
	4	M14x1.5	
	4	M16x1.5	
Sealing Head for Cone fitting 	Hose DN	Fitting Thread	Note
	2	G 1/8	
	2	G1/4	
	4	G1/8	
	4	G1/4	
24⁰ Cone fitting with o-ring (Light & Heavy Series) 	Hose DN	Fitting Thread	Note
	2	M14x1.5	
	2	M16x1.5	
	2	M18x1.5	
	4	M14x1.5	
	4	M16x1.5	
	4	M18x1.5	

24⁰ Cone fitting 45⁰ Elbow 	Hose DN	Fitting Thread	Note
	2	M14x1.5	
	2	M16x1.5	
	2	M18x1.5	
	4	M14x1.5	
	4	M16x1.5	
	4	M18x1.5	
24⁰ Cone fitting 90⁰ Elbow 	Hose DN	Fitting Thread	Note
	2	M14x1.5	
	2	M16x1.5	
	2	M18x1.5	
	4	M14x1.5	
	4	M16x1.5	
	4	M18x1.5	
NPT - Male fitting 	Hose DN	Fitting Thread	Note
	2	1/8 NPT	
	2	1/4 NPT	
	4	1/8NPT	
	4	1/4 NPT	

FITTINGS

Banjo Fitting 	Hose DN	Fitting ϕ	Note
	2	08mm	
	2	10mm	
	4	08mm	
	4	10mm	
45° Banjo Fitting 	Hose DN	Fitting ϕ	Note
	2	08mm	
	2	10mm	
	4	08mm	
	4	10mm	
Standpipe Fitting 	Hose DN	Fitting ϕ	Note
	2	4LL	
	2	6L	
	2	8L	
	4	4LL	
	4	6L	
	4	8L	
90° Elbow Standpipe 	Hose DN	Fitting ϕ	Note
	2	4LL	
	2	6L	
	2	8L	
	4	4LL	
	4	6L	
	4	8L	
Plug in-type Fitting 	Hose DN	Fitting ϕ	Note
	2	400	

Screw Type Fitting 	Hose DN	Fitting Thread	Note
	2	M16x2.0	
	4	M16x2.0	
37° JIC Fitting 	Hose DN	Fitting Thread	Note
	2	3/8-24UNF	
	2	7/16-20UNF	
	2	3/8-24UNF	
	4	3/8-24UNF	
	4	7/16-20UNF	
	4	1/2-20UNF	
Gauge adaptor NPT&BSP-thread 	Hose DN	Fitting Thread	Note
	2	G 1/4	
	2	G 1/2	
	4	G 1/4	
	4	G 1/2	
90° Elbow Gauge adaptor BSP-thread 	Hose DN	Fitting Thread	Note
	2	G 1/4	
	2	G 1/2	
	4	G 1/4	
	4	G 1/2	
Plastic cap 	Hose DN	Fitting Thread	Note
	2	-	
Ferrule 	Hose DN	Fitting Thread	Note
	2	-	
	4		

Test Coupling With Protective Cap SMK 20

Fast coupling for :

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

Advantages :

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

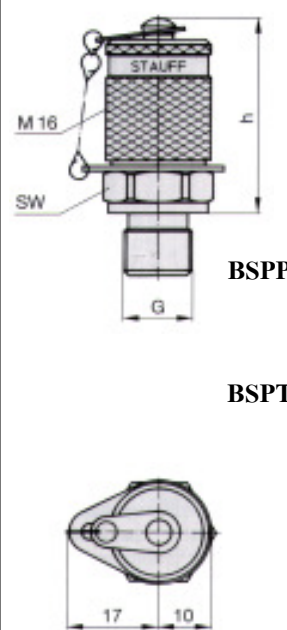
Working pressure :

*Max. working pressure 630 bar For SMK style G, K and S the recommended working pressure of fitting manufacturer has to be applied

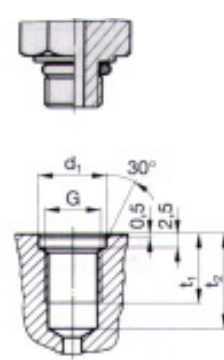
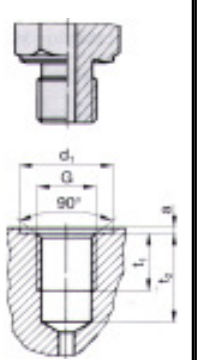
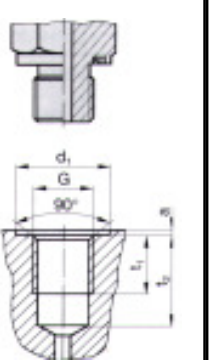
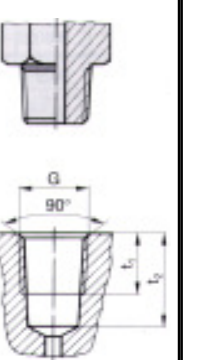
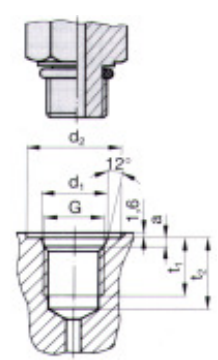
*Joining under pressure up to 400 bar max

Material :

- *Metal parts : Steel
- *Ball : Stainless Steel
- *Seals : P = NBR (Temperature range -20°C to +90°C)

SMK 20 (M16x2)		Thread G	h	SW	Order No. NBR	Seal	Note
		M8 x 1	38	17	SMK 20-M8 x1-PA	O-ring Type A	
		M10 x 1	38	17	SMK 20-M10 x1-PA	O-ring Type A	
		M12 x 1.5	40	17	SMK 20-M12 x1.5-PC	O-ring Type C	
		M14 x 1.5	40	19	SMK 20-M14 x1.5-PB	Metal joint Type B	
		M16 x 1.5	37	22	SMK 20-M16 x1.5-PB	Metal joint Type B	
		G 1/8	37	17	SMK 20-G 1/2-PC	O-ring Type C	
		G1/4	40	19	SMK 20-G 1/4-PB	Metal joint Type B	
		G1/4	40	19	SMK 20-G 1/4-PC	O-ring Type C	
		G3/8	37	22	SMK 20-G 3/8-PB	Metal joint Type B	
		R 1/8 taper	36	17	SMK 20-R 1/8K-PD	Taper Type D	
		R1/4 taper	36	17	SMK 20-R 1/4K-PD	Taper Type D	
		1/8 NPT	38	17	SMK 20-1/8 NPT-PD	Taper Type D	
		1/4 NPT	40	17	SMK 20-1/4 NPT-PD	Taper Type D	
		5/16-24 UNF	36	17	SMK 20-5/16 UNF-PE	O-ring Type E	
		7/16-20 UNF	38	17	SMK 20-7/16 UNF-PE	O-ring Type E	
		1/2-20 UNF	37	17	SMK 20-1/2 UNF-PE	O-ring Type E	
		9/16-18 UNF	40	19	SMK 20-9/16 UNF-PE	O-ring Type E	

Port connections and seals ชนิดของเกลียวและซีล/โอริงที่ใส่คอเกลียว

Type A (โอริง)	Type B (ซีลเหล็ก)	Type C (แหวนยาง)	Type D	Type E (โอริง)																			
																							
G	d ₁	t ₁	t ₂	G	d ₁	t ₁	t ₂	a	G	d ₁	t ₁	t ₂	a	G	d ₁	d ₂	t ₁	t ₂	a				
M8x1	9.5+0.1	11	11		M14x1.5	20	12	18.5	1	M12x1.5	18	12	18.5	1	R 1/8taper	5.5	9.5	5/16-24 UNF	9.1	17	10	12	1.9
M10x1	11.5+0.1	12	12		M16x1.5	22	12	18.5	1	G 1/8	15	8	13	1	R 1/4taper	8.5	13.5	7/16-20 UNF	12.4	21	11.5	14	2.4
					G 1/4	19	12	18.5	1	G 1/4	19	12	18.5	1	1/8 NPT	9	13.5	1/2-20 UNF	14	23	11.5	14	2.4
					G 3/8	23	12	18.5	1.5						1/4 NPT	12	18.5	9/16-18 UNF	15.6	25	12.7	15.5	2.5

Test Coupling SMK 15 (compression ring fittings acc. to DIN 2353)

Fast coupling for :

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

Advantages :

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

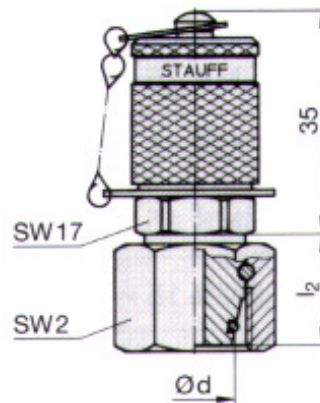
Working pressure :

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

Material :

- *Metal parts : Steel
- *Ball : Stainless Steel
- *Seals : P = NBR (Temperature range -20°C to +90°C)

Type K Test coupling for 24° cone fittings



Series	PN	Pipe d	l ₁	l ₂	l ₃	h	SW1	SW2	Order No. Type K (M16x1.5)	Order No. Type K (M16x2.0)	Note
L	250	6	51	14	20	50	24	17	SMK 15-6L-PK	SMK 20-6L-PK	
		8	51	15	20	50	24	17	SMK 15-8L-PK	SMK 20-8L-PK	
		10	54	16.5	22	50	24	19	SMK 15-10L-PK	SMK 20-10L-PK	
		12	54	17.5	22	51.5	27	22	SMK 15-12L-PK	SMK 20-12L-PK	
		15	57	21	25	53	30	27	SMK 15-15L-PK	SMK 20-15L-PK	
	160	18	57	20	28	54	32	32	SMK 15-18L-PK	SMK 20-18L-PK	
		22	63	21	30	56	36	36	SMK 15-22L-PK	SMK 20-22L-PK	
	100	28	65	25	32	58.5	41	41	SMK 15-28L-PK	SMK 20-28L-PK	
		35	70	30	42	61	46	50	SMK 15-35L-PK	SMK 20-35L-PK	
S	630	42	73	31	45	65.5	55	60	SMK 15-42L-PK	SMK 20-42L-PK	
		6	55	14	20	50	24	17	SMK 15-6S-PK	SMK 20-6S-PK	
		8	56	15	20	50	24	19	SMK 15-8S-PK	SMK 20-8S-PK	
		10	58	16.5	22	50	24	22	SMK 15-10S-PK	SMK 20-10S-PK	
		12	58	17.5	22	50	24	24	SMK 15-12S-PK	SMK 20-12S-PK	
	400	14	63	30	22	51.5	27	27	SMK 15-14S-PK	SMK 20-14S-PK	
		16	63	18	28	53	30	30	SMK 15-16S-PK	SMK 20-16S-PK	
		20	71	24	30	56	36	36	SMK 15-20S-PK	SMK 20-20S-PK	
		25	78	26	36	58.5	41	46	SMK 15-25S-PK	SMK 20-25S-PK	
		30	81	30	41	61	46	50	SMK 15-30S-PK	SMK 20-30S-PK	
	250	38	90	32	48	65.5	55	60	SMK 15-38S-PK	SMK 20-38S-PK	