C

Technical Data Test Hose



			A	B	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 (122 %)	(bar / PSI)	488 / 7077	768 / 11139	415 / 6016	768 / 11139
	at 30 °C / 86 °F (110 %)		440 / 6381	693 / 10051	374 / 5424	693 / 10051
	at 50°C / 122 °F (100 %)		400 / 5801	630 / 9137	340 / 4931	630 / 9137
	at 80°C / 176 °F (86 %)		344 / 4989	542 / 7861	292 / 4241	542 / 7861
	at 100 °C / 212 °F (77 %)		308 / 4467	485 / 7034	262 / 3797	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[1]	at working pressure	(mm / in)	20 / .79		40 / 1.57	
	at -20 °C / 4 °F		30 / 1.18		60 / 2.36	
Max. Coil Length		(m / ft)	20 / 65.62			
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						

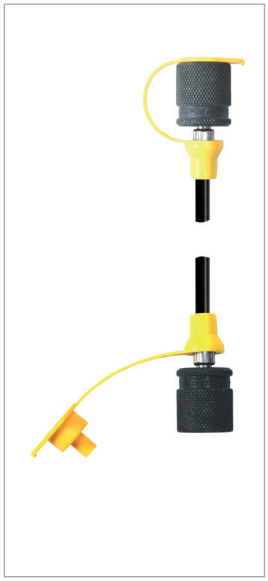
[1] Note: During mounting make sure that the bending radius for the test hose does not fall below the smallest permissible value.

STAUFF Test Hoses (Selection)

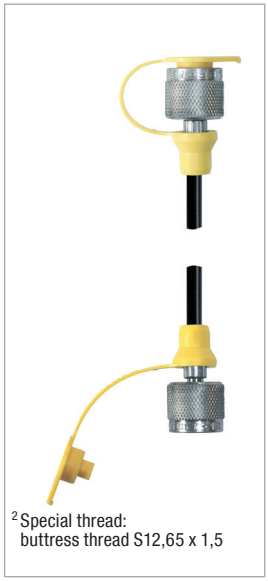
STAUFF-Test 20/20



STAUFF-Test 15/15



STAUFF-Test 12/12[2]



[2] Special thread:
buttress thread S12,65 x 1,5

STAUFF-Test 10/10

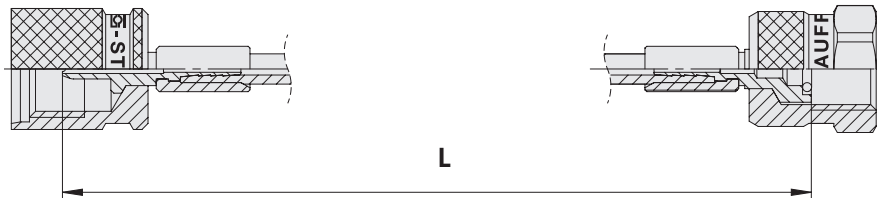


Gauge Adaptor



Dimensional drawings: All dimensions in mm (in).

Ordering Codes STAUFF Test Hose



SMS[1]	20	/ M	3000	A	W3

Hose End 1 (see page 64 - 69)			Hose End 2 (see page 64 - 69)	Length	DN	Material Hose End
20	A	J	only specify when 2 different hose ends are required	**Length mm** (*see L above) Standard Length see table below.	A = DN 2 400 bar / 5802 PSI B = DN 2 630 bar / 9137 PSI C[2] = DN 4 340 bar / 4931 PSI D[2] = DN 4 630 bar / 9137 PSI	Standard hose end material is Steel 11 S Mn Pb 30 (1.0718), zinc/nickel-plated = W3 Type 15: Steel, black zinc/nickel-plated = W3 Stainless Steel: V2A (1.4305/AISI 303)= W4, on request V4A (1.4571/AISI 316Ti) = W5, on request
15	S	D				
12	K	B				
10	L	U				
M	G	P				
N	F	etc.				
W	C					

[1] for gaseous media type SGS - Test hoses are perforated

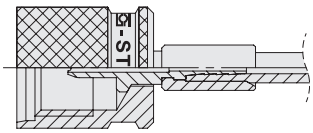
[2] Type C and D - are perforated

Standard Length L*	
mm	**in**
200	7.87
400	15.75
630	24.80
800	31.50
1000	39.37
1500	59.06
2000	78.74
2500	98.43
3200	125.98
4000	157.48



Bending protection on request.

Ordering Codes Hose End



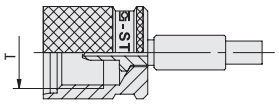
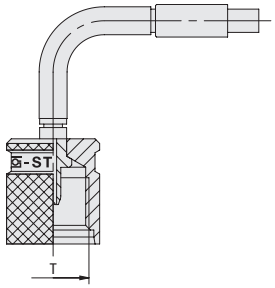
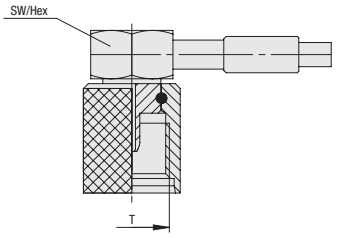
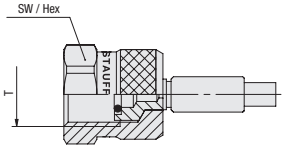
HE	20	A	W3

Hose End (see page 64 - 69)			DN	Material Hose End
20	A	J	A = DN 2 C = DN 4	Standard hose end material is Steel 11 S Mn Pb 30 (1.0718), zinc/nickel-plated = W3 Type 15: Steel, black zinc/nickel-plated = W3 Stainless Steel: V2A (1.4305/AISI 303) = W4, on request V4A (1.4571/AISI 316Ti) = W5, on request
15	S	D		
12	K	B		
10	L	U		
M	G	P		
N	F	etc.		
W	C			

Dimensional drawings: All dimensions in mm (in).

C

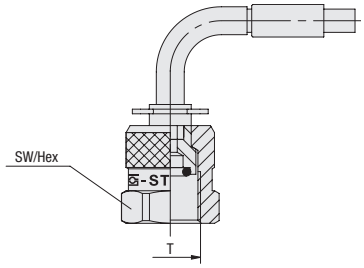
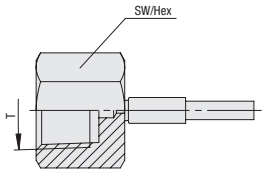
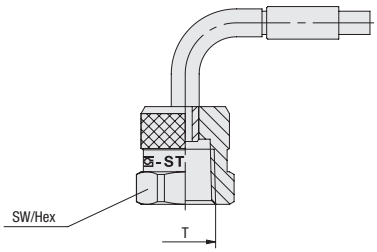
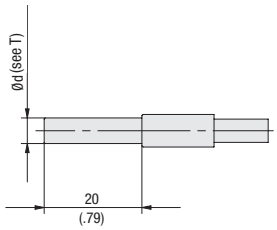
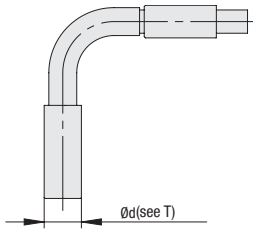
STAUFF Hose End

Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	STAUFF-Test Screw-type suitable for test points	M16 x 2			2 and 4	630 / 9137		20
		M16 x 1,5						15
		S12,65 x 1,5						12
	STAUFF-Test Screw-type 90° elbow suitable for test points	M16 x 2			2	630 / 9137	0	20
		M16 x 1,5						15
		S12,65 x 1,5						12
	STAUFF-Test Screw-type 90° elbow suitable for test points (short wire version)	M16 x 2			2	630 / 9137	0X	20
		M16 x 1,5	17	.67				15
		S12,65 x 1,5						12
	STAUFF-Test Plug in-type	Plug In System			2	400 / 5801		10
	Gauge adaptor BSP-thread for G3/8, G1/2, M14 x 1,5 and M20 x 1,5 swivel nut like type N	G1/4	19	.75	2 and 4	630 / 9137	M	1/4
		G1/2	27	1.06				1/2
		G3/8	22	.87	2	630 / 9137		3/8
		M14 x 1,5	19	.75				14
		M20 x 1,5	27	1.06				20

[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

STAUFF Hose End

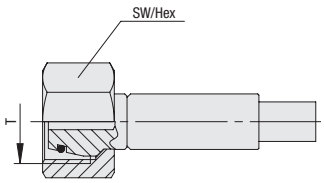
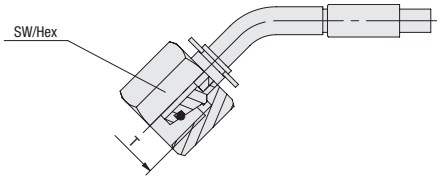
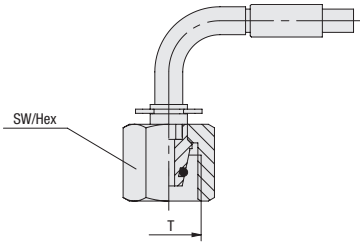
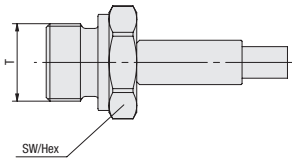
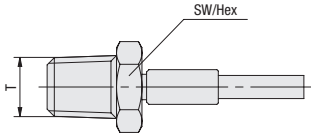
Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	90° elbow gauge adaptor BSP-thread for G1/2 swivel nut like type N	G1/4	19	.75	2 and 4	630 / 9137	W	1/4
		G1/2	27	1.06				1/2
	Gauge adaptor NPT-thread for 1/4 NPT swivel nut like type M	1/4 NPT	19	.75	2		N	1/4
		1/2 NPT	27	1.06				1/2
	90° elbow gauge adaptor NPT-thread for 1/2 NPT swivel nut like type N	1/4 NPT	19	.75	2 and 4		A	1/4
		1/2 NPT	27	1.06				1/2
	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.	4 LL			2	100 / 1450	S	04
		6 L - 6 S			2 and 4	630 / 9137		06
		8 L - 8 S						08
		10 L - 10 S						10
		12 L - 12 S			2			12
		1/4			2 and 4			1/4
	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.	6 L - 6 S			2 and 4	630 / 9137	SG	06
		8 L - 8 S						08

[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

C

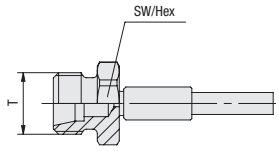
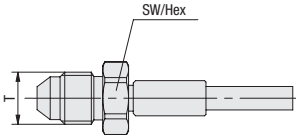
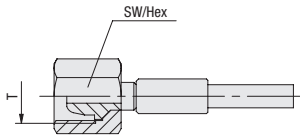
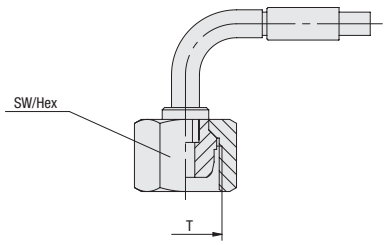
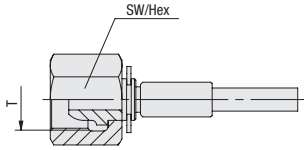
STAUFF Hose End

Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut	M12 x 1,5	14	.55	2 and 4	315 / 4568	K	06L
		M14 x 1,5	17	.67				08L
		M16 x 1,5	19	.75				10L
		M18 x 1,5	22	.87				12L
		M14 x 1,5	17	.67		630 / 9137		06S
		M16 x 1,5	19	.75				08S
		M18 x 1,5	22	.87				10S
		M20 x 1,5	24	.94				12S
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut 45° elbow	M12 x 1,5	14	.55	2 and 4	315 / 4568	R	06L
		M14 x 1,5	14	.67		315 / 4568		06S
	Seal with O-ring for 24° cone fitting according to ISO 8434-1 / DIN 2353 c/w swivel nut 90° elbow	M12 x 1,5	14	.55	2 and 4	315 / 4568	L	06L
		M14 x 1,5	17	.67				08L
		M16 x 1,5	19	.75				10L
		M14 x 1,5	17	.67		630 / 9137		06S
		M16 x 1,5	19	.75				08S
		M18 x 1,5	24	.94				10S
	Male thread according to DIN 3852-B	M12 x 1,5	17	.67	2 and 4	630 / 9137	G	12
		G1/8	14	.55		400 / 5801		1/8
		G1/4	19	.75		630 / 9137		1/4
		G1/2	27	1.06		630 / 9137		1/2
	Male thread NPT according to ANSI-standard	1/8 NPT	13	.51	2 and 4	400 / 5801	F	1/8
		1/4 NPT	17	.67		630 / 9137		1/4

[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

STAUFF Hose End

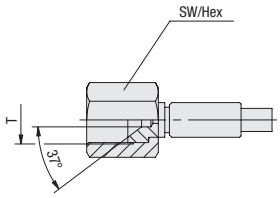
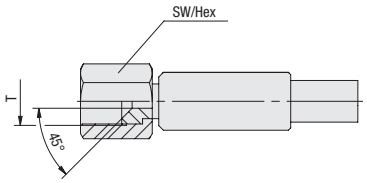
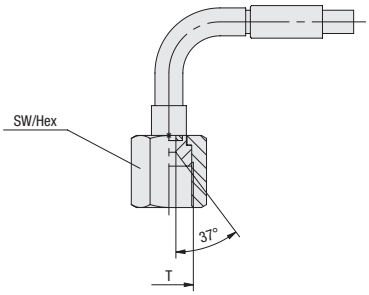
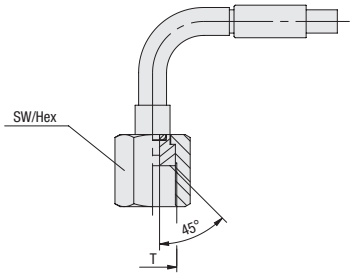
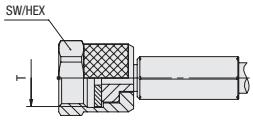
Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	Male thread for 24° cone fitting according to ISO 8434-1 / DIN 2353	M12 x 1,5	14	.55	2 and 4	315 / 4568	C	06L
		M14 x 1,5	17	.67				08L
		M14 x 1,5	17	.67		630 / 9137		06S
		M16 x 1,5	17	.67				08S
	Male thread according to SAE J 514	7/16–20 UNF	14	.55	2 and 4	350 / 5076	J	1/4
		1/2–20 UNF	14	.55				5/16
		9/16–18 UNF	17	.67				3/8
	Universal sealing head with swivel nut for 24° cone fitting according to ISO 8434-1 / DIN 2353	M12 x 1,5	14	.55	2 and 4	315 / 4568	D	06L
		M14 x 1,5	17	.67				08L
		M16 x 1,5	19	.75				10L
		M18 x 1,5	22	.87				12L
		M14 x 1,5	17	.67		630 / 9137		06S
		M16 x 1,5	19	.75				08S
		M18 x 1,5	22	.87				10S
		M20 x 1,5	24	.94				12S
	Universal sealing head with swivel nut for 24° cone fitting according to ISO 8434-1 / DIN 2353 90° elbow	M16 x 1,5	19	.75	2 and 4	315 / 4568	Q	10L
		M18 x 1,5	22	.87		630 / 9137		10S
	Sealing head with swivel nut for cone fitting according to DIN EN 560	G1/8	12	.47	2		B	1/8
		G1/4	17	.67	2 and 4			1/4

[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

C

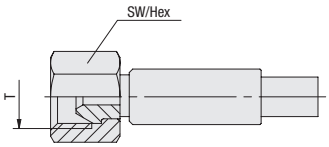
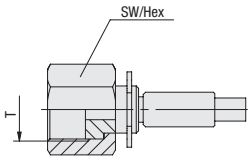
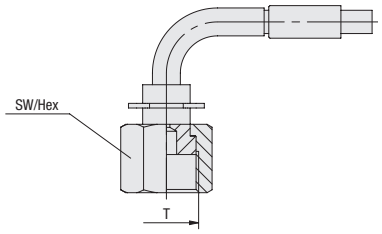
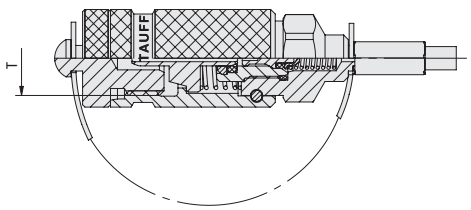
STAUFF Hose End

Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	Sealing head with swivel nut according to SAE J 514 37° cone	7/16–20 UNF	14	.55	2 and 4	350 / 5076	U	1/4
		1/2–20 UNF	17	.67				5/16
		9/16–18 UNF	19	.75				3/8
	Sealing head with swivel nut according to SAE J 516 45° cone	7/16–20 UNF	14	.55	2		UR	1/4
	Sealing head with swivel nut according to SAE J 514 37° cone 90° elbow	7/16–20 UNF	14	.55	2 and 4	350 / 5076	E	1/4
	Sealing head with swivel nut according to SAE J 516 45° cone 90° elbow	7/16–20 UNF	14	.55	2		ER	1/4
	Test hose for air brake systems according to ISO 3583	M16 x 1,5	19	.75	2		P	02

[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

STAUFF Hose End

Hose End	Description	T	Hex (mm/in)		DN	Working Pressure (bar/PSI) [1]	Type	
	Sealing head with swivel nut 60° cone	G1/4	17	.67	2 and 4	630 / 9137	H	1/4
	Screw-type ORFS according to SAE J 1453	9/16–18 UNF	17	.67	2		T	9/16
		11/16–16 UN	21	.83				11/16
	Screw-type ORFS according to SAE J 1453 90° elbow	11/16–16 UN	21	.83	2 and 4		V	11/16
	Hose end with integrated check valve	M16 x 2			2	630 / 9137	RV	20
		M16 x 1,5						15

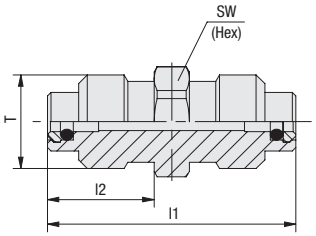
[1] The indicated working pressure applies only to the Hose End. The actual working pressure depends on the Test Hose used.

Dimensional drawings: All dimensions in mm (in).

C

Hose Connector
SSV





Ordering Codes

***SSV*-20*-W3**

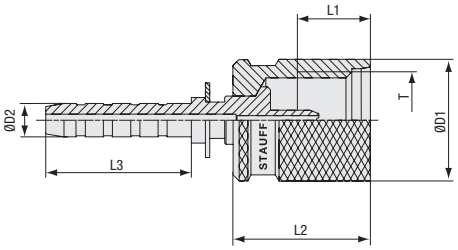
* Type	Hose Connector	**SSV**
* Series	STAUFF Test 20	**-20**
	STAUFF Test 15	**-15**
	STAUFF Test 12	**-12**
* Material Code	Steel, zinc/nickel-plated	**-W3**
	Stainless Steel V2A - 1.4305 (AISI 303)	**-W4**
	Stainless Steel V4A - 1.4571 (AISI 316 Ti)	**-W5**

Thread	Dimensions (mm/in)			Weight (kg/lbs) ca.	Ordering Codes (Standard Option)
T	l1	l2	Hex	per 100	
M16 x 2	42,5	18,5	17	4,60	SSV-20-W3
	1.67	.73	.67	10.12	
M16 x 1,5	42,5	18,5	17	4,79	SSV-15-W3
	1.67	.73	.67	10.54	
S12,65 x 1,5	31	12,5	14	2,50	SSV-12-W3
	1.22	.49	.55	5.50	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Sampling Hose Adaptor
SHA





Ordering Codes

***SHA*-20*-5.5MM*-W3**

* Type	Sampling Hose Adaptor	**SHA**
* Series	STAUFF Test 20	**-20**
* Size	Hose nipples	**-5.5MM**
* Material Code	Steel, zinc/nickel-plated	**-W3**
	Stainless Steel V2A - 1.4305 (AISI 303)	**-W4**
	Stainless Steel V4A - 1.4571 (AISI 316 Ti)	**-W5**

Dimensions (mm/in)						Weight (kg/lbs) ca.	Ordering Codes (Standard Option)
Ød1	Ød2	l1	l2	l3	T	per 100	
22	5,5	13	23	24	M16 x 2	3,36	SHA-20-5.5MM-W3
.87	.22	.51	.91	.94		7.39	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Dimensional drawings: All dimensions in mm (in).