

True Fit Threaded Fittings



Best Installed Value

SECTION EIGHT

TECHNICAL SPECIFICATIONS



True Fit Threaded Fittings Features and Benefits

- Precision Heavy Duty Tapered Threads give a Strong Reliable Seal
- Manufactured from a Raw Material Approved For Use With Potable (drinkable) Water
- Manufactured from High Quality Glass Fibre Reinforced Nylon giving a Weather, Termite, Fungi & Bacteria Resistant
- Common Applications Include Horticultural, Agricultural, Irrigation, Marine & Plumbing
- Material strong enough to minimise potential cross threading
- WRAS - Approval for use with potable (drinkable) water as they will not leach contaminants into the water.
- Suitable for use above or below ground in varying operating pressures and temperatures
- Strong, Lightweight and Compact
- Available in a variety of thread combinations and connections.
- New Zealand Made

True Fit Threaded Fittings Approvals

WRAS: Hansen *True Fit* Threaded Fittings carry the WRAS approval by the Water Research Council in the UK which is the highest recognised water testing organisation in the world. A WRAS approved fitting must not cause waste, misuse, undue consumption or contamination of the water supply and must be of an appropriate quality and standard.

AS/NZS 4020: Hansen *True Fit* Threaded Fittings meet the requirements for products in contact with drinking water as per AS/NZS 4020 Australia & New Zealand drinking water standard.

The equivalent standard to AS/NZS4020 is BS 6920.

True Fit Threaded Fittings Quick & Easy Installation

- All pipe work must be adequately supported.
- Use a thread sealant on all threaded connections. We recommend Loctite 5331.
- If you are using chemicals or have any special requirements that you wish to use your Threaded Pipe Fitting in, go to the Threaded Chemical resistance page or don't hesitate to contact us.
- Please refer to the dimensions pages for minimum recommended hole sizes.



1 (a) Use a thread paste sealant or



(b) a teflon tape sealant. The right sealant for threaded joints is non-hardening, compatible with plastic and doesn't add slipperiness to encourage over-torquing.

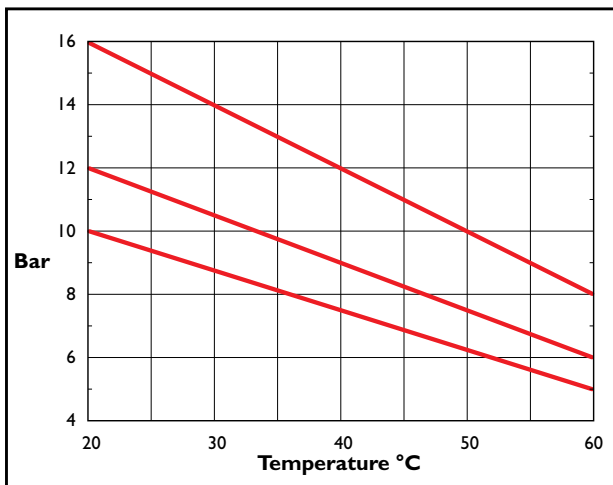


2 Screw pipe into fitting.



Do not over tighten. The recommended way to assemble a Threaded Pipe Fitting is hand tight. Tighten until firm with spanner or pipe grip. One to two turns should be all that is required.

True Fit Pipe Fittings Maximum Working Pressures



Graph indicates fittings used with WATER only and being installed to Hansens Specifications

Fitting Size	MAX PRESSURE @ 20 Degrees Celsius
15mm - 50mm	16 Bar (1600 kPa. 235 psi)
65mm	12 Bar (1200 kPa. 175 psi)
80mm	10 Bar (1000 kPa. 145 psi)
100mm	10 Bar (1000 kPa. 145 psi)

Hansen have tested all its products for use with cold water up to a maximum temperature of 60°C (140°F). We do not recommend the use of these products with temperatures higher than 60°C (140°F) as plastic expands due to temperature increases. Hansen cannot guarantee the products will perform when used with temperatures over 60°C (140°F). Hansen products that have failed in temperatures higher than 60°C (140°F) will not be covered by warranty.

True Fit Threaded Fittings Chemical Resistance Chart

CHEMICAL TYPE	RESISTANCE LEVEL		
	Good	OK But Check Further	BAD Try to Avoid
Acids Weak			X
Acids Strong			X
Organic Acids Weak		X	
Organic Acids Strong			X
Bases Weak	X		
Bases Strong		X	
Bleach			X
CHEMICAL TYPE	RESISTANCE LEVEL		
Automotive Fuel	X		
Automotive Lubricants	X		
Hydraulic Fluids		X	
CHEMICAL TYPE	RESISTANCE LEVEL		
Solvents		X	
Hydrocarbons	X		
Halogens			X
Alcohols		X	
Aldehydes			X
Amines			X
Esters	X		
Ethers	X		
Ketones		X	
CHEMICAL TYPE	RESISTANCE LEVEL		
Detergents	X		
Oxidising Agents			X
Weak Hydrogen Peroxide		X	
Phenols			X

PLEASE NOTE: This chart is intended as a basic guide only. The resistance to a given chemical will vary with temperature & concentrations. Some chemicals within the group mentioned may result in different rating. For further information, please email us with your specific question.

True Fit Threaded Fittings Frequently Asked Questions

Q How tight should I tighten my fittings?

A Do not over tighten. The right way to assemble a threaded fitting is hand tight plus one to two turns-no more! For more information on installation tips refer to the installation page.

Q Do I need to support my fittings?

A Yes. All pipe work must be adequately supported.

Q What type of sealant should I use?

A Use a thread sealant on all threaded connections. We recommend Loctite 5331 and Ceelon PTFE or a quality thread tape.

Q Can I use these fittings with metal fittings?

A Yes. For more information on installation tips refer to the installation page.

Q Can I use my Hansen fittings with my swimming pool/spa pool set up?

A No, as the high concentration of chlorine used in the water for pools, will attack the material. The fitting material is only suitable for use with domestic water. Hansen products that are used in this application will not be covered by warranty.

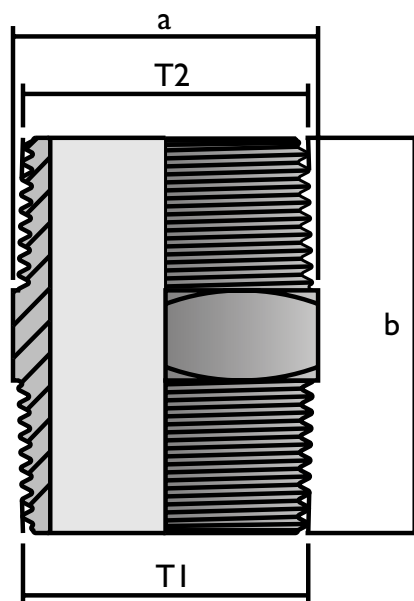
Q What temperature can I use Hansen fittings at?

A Hansen have tested all its products for use with cold water up to a maximum temperature of 60°C (140°F). We do not recommend the use of these products with temperatures higher than 60°C (140°F) as plastic expands due to temperature increases. Hansen cannot guarantee the products will perform when used with temperatures over 60°C (140°F). Hansen products that have failed in temperatures higher than 60°C (140°F) will not be covered by warranty.

Dimensions: Hex Nipple
Code: HSN

Product Guide	T1 BSPT	T2 BSPT	a (AF) mm	b mm
HSN06	1/8" (06mm)	1/8" (06mm)	11	26
HSN08	1/4" (08mm)	1/4" (08mm)	14	33
HSN10	3/8" (10mm)	3/8" (10mm)	18	34
HSN15	1/2" (15mm)	1/2" (15mm)	22	43
HSN20	3/4" (20mm)	3/4" (20mm)	28.5	46.5
HSN25	1" (25mm)	1" (25mm)	35	53
HSN32	1 1/4" (32mm)	1 1/4" (32mm)	44	59.5
HSN40	1 1/2" (40mm)	1 1/2" (40mm)	50	60.5
HSN50	2" (50mm)	2" (50mm)	62	70

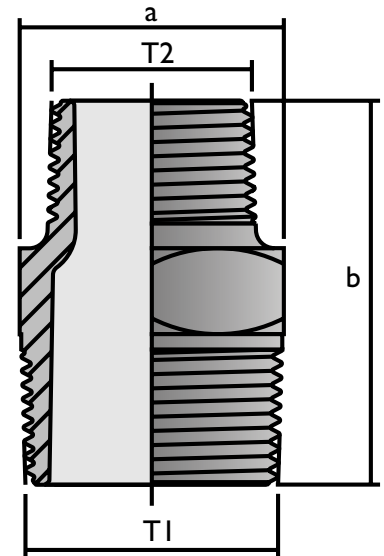
AF = Across Flats



Specifications and sizes may change without prior notice

Dimensions: Reducing Hex Nipple Code: SRHN

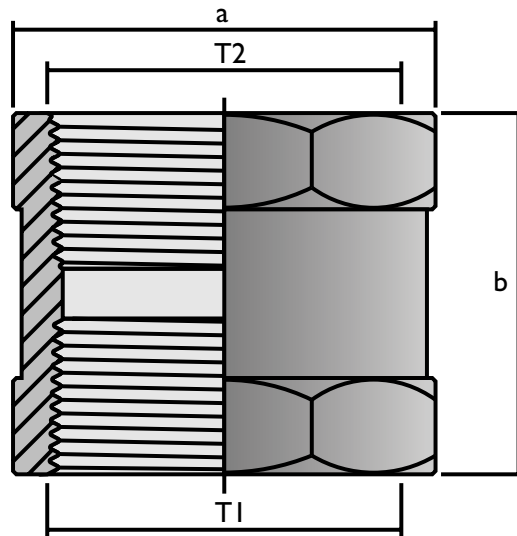
Product Guide	T1 BSPT	T2 BSPT	a (AF) mm	b mm
SRHN0806	1/4" (08mm)	1/8" (06mm)	14	31
SRHN1006	3/8" (10mm)	1/8" (06mm)	18	33
SRHN1008	3/8" (10mm)	1/4" (08mm)	18.5	34.5
SRHN1506	1/2" (15mm)	1/8" (06mm)	22.5	37.3
SRHN1508	1/2" (15mm)	1/4" (08mm)	22.5	39
SRHN1510	1/2" (15mm)	3/8" (10mm)	26	50.5
SRHN2010	3/4" (20mm)	3/8" (10mm)	31	55.5
SRHN2015	3/4" (20mm)	1/2" (15mm)	28.5	48
SRHN2515	1" (25mm)	1/2" (15mm)	35	51.5
SRHN2520	1" (25mm)	3/4" (20mm)	35.5	54
SRHN3220	1 1/4" (32mm)	3/4" (20mm)	45	66
SRHN3225	1 1/4" (32mm)	1" (25mm)	44	60
SRHN4020	1 1/2" (40mm)	3/4" (20mm)	51.5	68
SRHN4025	1 1/2" (40mm)	1" (25mm)	50	64.5
SRHN4032	1 1/2" (40mm)	1 1/4" (32mm)	50	62
SRHN5020	2" (50mm)	3/4" (20mm)	63.5	73
SRHN5025	2" (50mm)	1" (25mm)	63	74
SRHN5032	2" (50mm)	1 1/4" (32mm)	63	73
SRHN5040	2" (50mm)	1 1/2" (40mm)	62.5	70
SRHN6532	2 1/2" (65mm)	1 1/4" (32mm)	79	79.5
SRHN6540	2 1/2" (65mm)	1 1/2" (40mm)	79	77
SRHN6550	2 1/2" (65mm)	2" (50mm)	79	78
SRHN8040	3" (80mm)	1 1/2" (40mm)	91.5	86
SRHN8050	3" (80mm)	2" (50mm)	91.5	86
SRHN8065	3" (80mm)	2 1/2" (65mm)	92	85
SRHN10050	4" (100mm)	2" (50mm)	116.5	101.5
SRHN10065	4" (100mm)	2 1/2" (65mm)	117	100
SRHN10080	4" (100mm)	3" (80mm)	117	98.5



AF = Across Flats

Dimensions: Hex Socket
Code: HSS

Product Code	T1 BSPT	T2 BSPT	a mm	b mm
HSS15	1/2" (15mm)	1/2" (15mm)	28	41.5
HSS20	3/4" (20mm)	3/4" (20mm)	34	43.5
HSS25	1" (25mm)	1" (25mm)	41	47.5
HSS32	1 1/4" (32mm)	1 1/4" (32mm)	51.5	51.5
HSS40	1 1/2" (40mm)	1 1/2" (40mm)	58	55
HSS50	2" (50mm)	2" (50mm)	72	61.5
HSS65	2 1/2" (65mm)	2 1/2" (65mm)	92.5	68
HSS80	3" (80mm)	3" (80mm)	110	74
HSS100	4" (100mm)	4" (100mm)	137.5	87.5

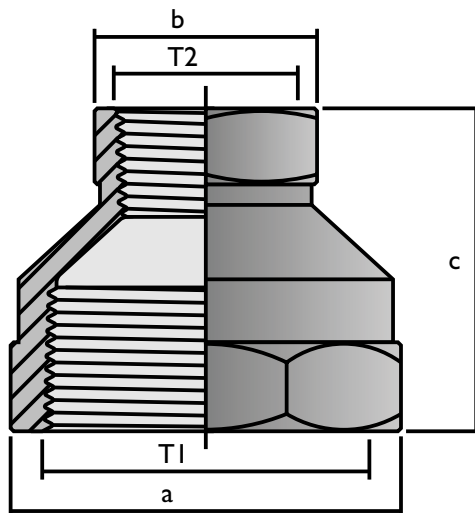


Specifications and sizes may change without prior notice

Dimensions: Reducing Hex Socket Code: SRS

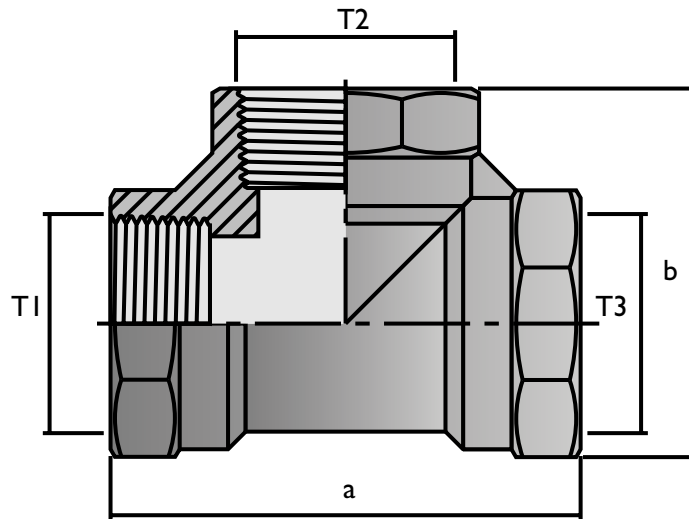
Product Code	T1 BSPT	T2 BSPT	a (AF) mm	b (AF) mm	c mm
SRS2015	3/4" (20mm)	1/2" (15mm)	34	28	42.5
SRS2515	1" (25mm)	1/2" (15mm)	41.5	28	47.5
SRS2520	1" (25mm)	3/4" (20mm)	41.5	34	45.5
SRS3220	1 1/4" (32mm)	3/4" (20mm)	51.5	34	52
SRS3225	1 1/4" (32mm)	1" (25mm)	51	41.5	49
SRS4020	1 1/2" (40mm)	3/4" (20mm)	58.5	34	52
SRS4025	1 1/2" (40mm)	1" (25mm)	58	41	51.5
SRS4032	1 1/2" (40mm)	1 1/4" (32mm)	58	51	53
SRS5020	2" (50mm)	3/4" (20mm)	71.5	34.5	60.5
SRS5025	2" (50mm)	1" (25mm)	71.5	41	59.5
SRS5032	2" (50mm)	1 1/4" (32mm)	71.5	51	61.5
SRS5040	2" (50mm)	1 1/2" (40mm)	71.5	58	58

AF = Across Flats



Dimensions: Female Threaded Tee
Code: ST

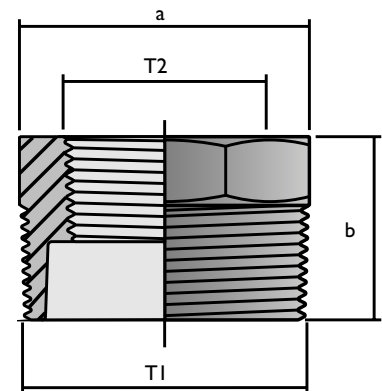
Product Code	T1 BSPT	T2 BSPT	T3 BSPT	a mm	b mm
ST15	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)	60	46
ST20	3/4" (20mm)	3/4" (20mm)	3/4" (20mm)	67.5	53.5
ST25	1" (25mm)	1" (25mm)	1" (25mm)	80	63.5
ST32	1 1/4" (32mm)	1 1/4" (32mm)	1 1/4" (32mm)	93.5	76
ST40	1 1/2" (40mm)	1 1/2" (40mm)	1 1/2" (40mm)	103	81
ST50	2" (50mm)	2" (50mm)	2" (50mm)	119.5	95.5
ST65	2 1/2" (65mm)	2 1/2" (65mm)	2 1/2" (65mm)	141	115.5
ST80	3" (80mm)	3" (80mm)	3" (80mm)	160.5	133.5
ST100	4" (100mm)	4" (100mm)	4" (100mm)	197.5	165.5



Specifications and sizes may change without prior notice

Dimensions: Reducing Bush Code: SRB

Product Code	T1 BSPT	T2 BSPT	a (AF) mm	b mm
SRB1506	1/2" (15mm)	1/8" (06mm)	22.0	23.5
SRB1508	1/2" (15mm)	1/4" (08mm)	22.0	23
SRB1510	1/2" (15mm)	3/8" (10mm)	22.0	23.5
SRB2008	3/4" (20mm)	1/4" (08mm)	29	25
SRB2010	3/4" (20mm)	3/8" (10mm)	29	25
SRB2015	3/4" (20mm)	1/2" (15mm)	29	25
SRB2508	1" (25mm)	1/4" (08mm)	35.5	27
SRB2510	1" (25mm)	3/8" (10mm)	35.5	27
SRB2515	1" (25mm)	1/2" (15mm)	35.5	27
SRB2520	1" (25mm)	3/4" (20mm)	35.5	27
SRB3215	1 1/4" (32mm)	1/2" (15mm)	43.5	31.5
SRB3220	1 1/4" (32mm)	3/4" (20mm)	43.5	31.5
SRB3225	1 1/4" (32mm)	1" (25mm)	43.5	31.2
SRB4015	1 1/2" (40mm)	1/2" (15mm)	50.0	33.5
SRB4020	1 1/2" (40mm)	3/4" (20mm)	50.5	33
SRB4025	1 1/2" (40mm)	1" (25mm)	50.5	33.5
SRB4032	1 1/2" (40mm)	1 1/4" (32mm)	50.5	33
SRB5015	2" (50mm)	1/2" (15mm)	61.5	38
SRB5020	2" (50mm)	3/4" (20mm)	61.5	38
SRB5025	2" (50mm)	1" (25mm)	61.5	38
SRB5032	2" (50mm)	1 1/4" (32mm)	61	38
SRB5040	2" (50mm)	1 1/2" (40mm)	61	38
SRB6532	2 1/2" (65mm)	1 1/4" (32mm)	79	42
SRB6540	2 1/2" (65mm)	1 1/2" (40mm)	78.5	42
SRB6550	2 1/2" (65mm)	2" (50mm)	78.5	42
SRB8040	3" (80mm)	1 1/2" (40mm)	92	45
SRB8050	3" (80mm)	2" (50mm)	92	45
SRB8065	3" (80mm)	2 1/2" (65mm)	92	45
SRB10080	4" (100mm)	3" (80mm)	117.5	51

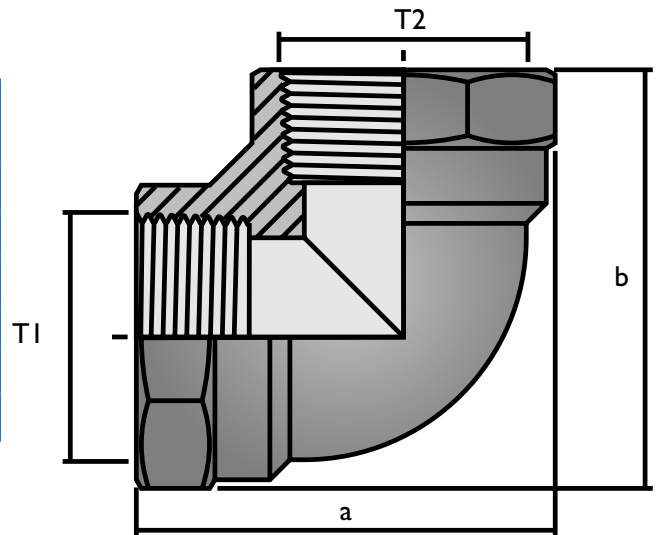


AF = Across Flats

Specifications and sizes may change without prior notice

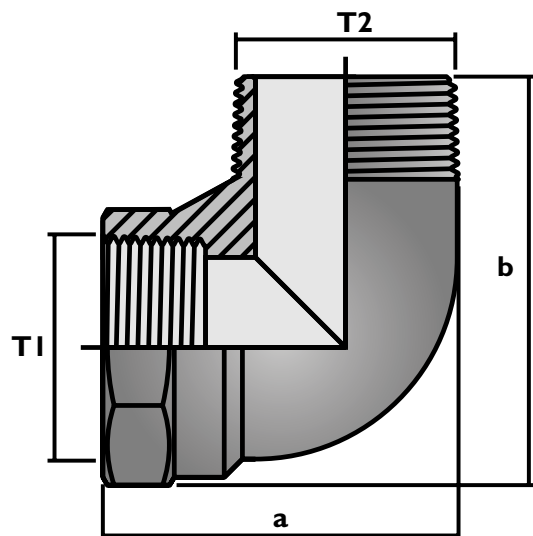
Dimensions: Female Threaded Elbow
Code: SE

Product Code	T1 BSPT	T2 BSPT	a mm	b mm
SE15	1/2" (15mm)	1/2" (15mm)	46.5	46.5
SE20	3/4" (20mm)	3/4" (20mm)	53	53
SE25	1" (25mm)	1" (25mm)	63.5	63.5
SE32	1 1/4" (32mm)	1 1/4" (32mm)	76	76
SE40	1 1/2" (40mm)	1 1/2" (40mm)	80.5	80.5
SE50	2" (50mm)	2" (50mm)	95	95



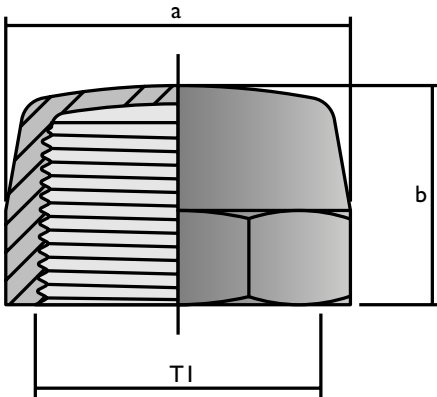
Dimensions: Male / Female Threaded Elbow
Code: SMFE

Product Code	T1 BSPT	T2 BSPT	a mm	b mm
SMFE15	1/2" (15mm)	1/2" (15mm)	41	54.5
SMFE20	3/4" (20mm)	3/4" (20mm)	48	63.5
SMFE25	1" (25mm)	1" (25mm)	56	73
SMFE32	1 1/4" (32mm)	1 1/4" (32mm)	67.5	84.5
SMFE40	1 1/2" (40mm)	1 1/2" (40mm)	74.5	88
SMFE50	2" (50mm)	2" (50mm)	88	106



Specifications and sizes may change without prior notice

Dimensions: Hex Screw Cap
Code: SC

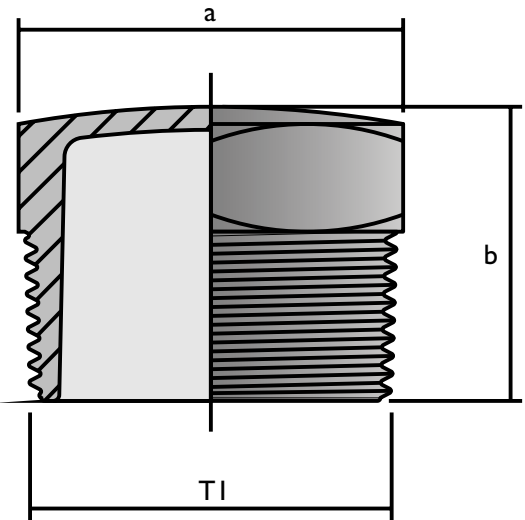


Product Code	T1 BSPT	a (AF) mm	b mm
SC15	1/2" (15mm)	28.5	22
SC20	3/4" (20mm)	34.5	23
SC25	1" (25mm)	41.5	27
SC32	1 1/4" (32mm)	52	31.5
SC40	1 1/2" (40mm)	58.5	37
SC50	2" (50mm)	71.5	38

AF = Across Flats

Dimensions: Hex Screw Plug
Code: SP

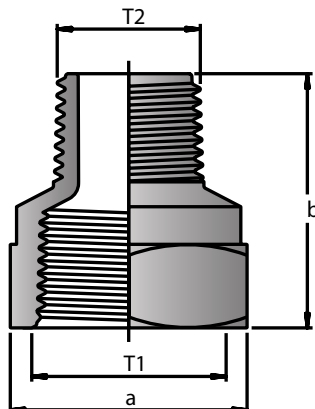
Product Code	T1 BSPT	a (AF) mm	b mm
SP06	1/8" (06mm)	11.0	16.5
SP08	1/4" (08mm)	14	20.5
SP10	3/8" (10mm)	18	21.5
SP15	1/2" (15mm)	22	27.5
SP20	3/4" (20mm)	28	29.5
SP25	1" (25mm)	35	34
SP32	1 1/4" (32mm)	43.5	36
SP40	1 1/2" (40mm)	50	38
SP50	2" (50mm)	61.5	45



AF = Across Flats

Dimensions: Male / Female Adapter
Code: SMFA

Product Code	T1 BSPT	T2 BSPT	a mm	b mm
SMFA1520	3/4" (20mm)	1/2" (15mm)	34.0	42.0



Specifications and sizes may change without prior notice

True-Fit Threaded Fittings Features

HIGH FLOW RATE

Fittings demonstrate excellent hydraulic flow characteristics



PRECISION HEAVY DUTY TAPERED THREADS

Gives a Strong Reliable Seal. Material is strong enough to minimise potential cross threading.



MADE FROM HIGH QUALITY DURABLE MATERIALS

Manufactured from UV Stabilised High Quality Glass Fibre Reinforced Nylon giving a weather, termite, fungi and bacterial resistance



AS/NZS 4020



POTABLE WATER APPROVED

Material Approved for use with Potable (drinkable) Water

MAXIMUM WORKING PRESSURE

Sizes 15 - 50mm (1/2" to 2") 16 Bar (232 psi) @ 20°C
 Sizes 80 - 100mm (3" - 4") 10 Bar (145 psi) @ 20°C

FAST AND EASY TO INSTALL

No specialist skill required. Apply threaded sealant or tape, screw on pipe, tighten.*



1. Apply Thread Sealant or Thread Tape

2. Screw on pipe

3. Tighten

LARGE RANGE

of over 180 Durable, High Strength, Commercial Quality True Fit Pipe Fittings available in sizes 6mm to 100mm (1/8" to 4")



*We recommend Loctite 5331 thread sealant. All pipe work must be adequately supported.



Reliable Commercial Quality Threaded Fittings

www.hansenproducts.com