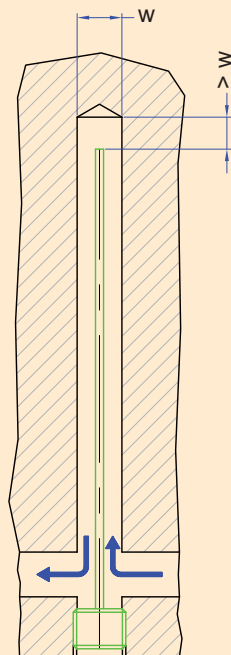
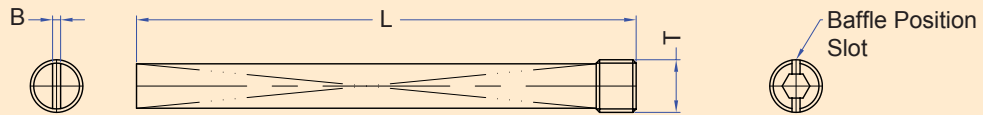


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Section 8 - Cooling



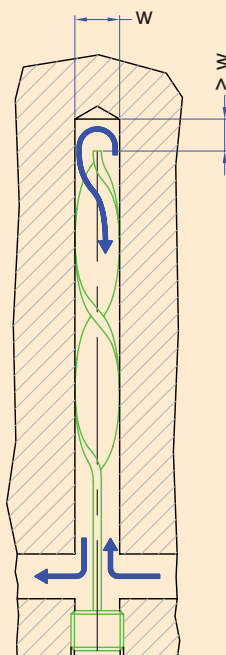
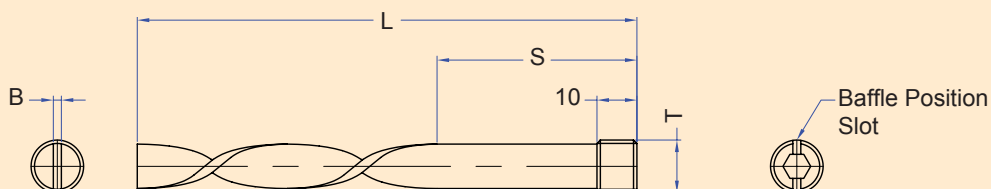
T (NPT)	L	W	B	☒	
1/16"	4"	1/4"	.050"	BA0604	
	8"			BA0608	
	12"			BA0612	
1/8"	4"	5/16"		BA1204	
	8"			BA1208	
	12"			BA1212	
1/4"	5"	7/16"		.080"	BA2505
	10"				BA2510
	15"				BA2515
3/8"	6"	9/16"	.090"	BA3706	
	12"			BA3712	
	18"			BA3718	
1/2"	8"	11/16"		BA5008	
	16"			BA5016	
3/4"	12"	15/16"		BA7512	
	20"			BA7520	
	16"			BA9016	
1"	24"	1-1/8"		.105"	BA9024
	36"		BA9036		

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 fax : +44 (0) 1494 452898

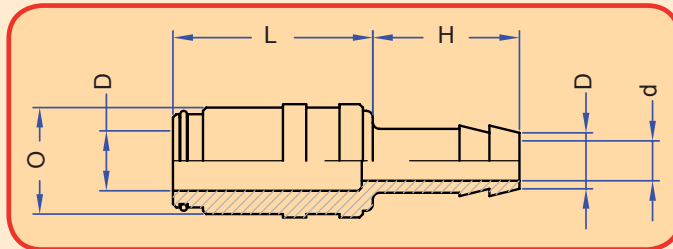


Turbo Brass baffles

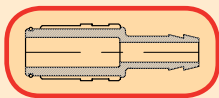


T (NPT)	L	W	B	S	☒	
1/16"	4"	1/4"	.050"	2	TB0604	
	8"			4	TB0608	
	12"			6	TB0612	
1/8"	4"	5/16"		2	TB1204	
	8"			4	TB1208	
	12"			6	TB1212	
1/4"	5"	7/16"		.080"	2	TB2505
	10"				4	TB2510
	15"				6	TB2515
3/8"	6"	9/16"	.090"		2	TB3706
	12"				4	TB3712
	18"				6	TB3718
1/2"	8"	11/16"		3	TB5008	
	16"			5	TB5016	
3/4"	12"	15/16"		4	TB7512	
	20"			6	TB7520	
1"	16"	1-1/8"		5	TB9016	
	24"			8	TB9024	

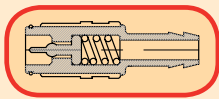
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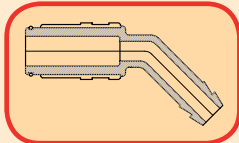
For use with the -
 H81 / H811 / H90 / H901 / H83 / H85
 range of connectors.
 See page 10 & 11



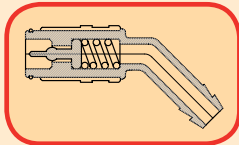
d	D	O	H	L	☒
6	9	17	17	30	H801-09-00
9	13	22	25	36	H801-13-00



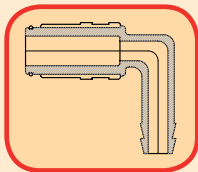
d	D	O	H	L	☒
6	9	17	17	30	H80-09-00
9	13	22	25	36	H80-13-00



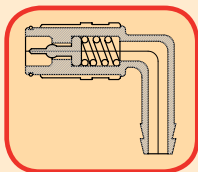
d	D	O	H	L	☒
6	9	17	17	30	H801-09-45
9	13	22	25	36	H801-13-45



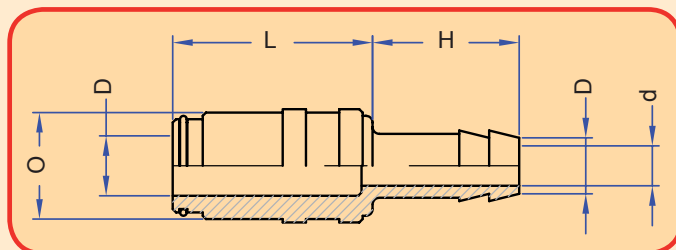
d	D	O	H	L	☒
6	9	17	17	30	H80-09-45
9	13	22	25	36	H80-13-45



d	D	O	H	L	☒
6	9	17	17	30	H801-09-90
9	13	22	25	36	H801-13-90

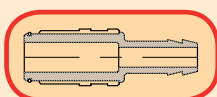


d	D	O	H	L	☒
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9	13	22	25	36	H80-13-90

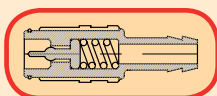


For use with the -
MP / FP / XP /
range of connectors.
See page 12 & 13.

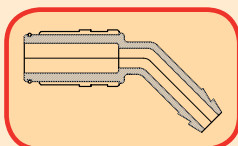
Spare seals available -
S = silicon / V = viton
Series 200 = S200-06 or V200-06
Series 300 = S300-06 or V300-06



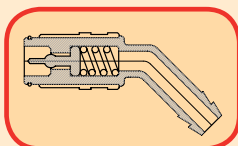
d	D	O	H	L	☒
5	6	17.5	30	35	S200-0506
6	9	17.5	30	35	S200-0609
9	13	23	30	50	S300-0913



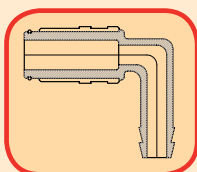
d	D	O	H	L	☒
5	6	17.5	30	35	SV200-0506
6	9	17.5	30	35	SV200-0609
9	13	23	30	50	SV300-0913



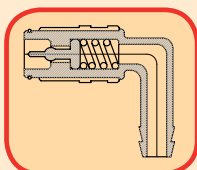
d	D	O	H	L	☒
5	6	17.5	30	35	S245-0506
6	9	17.5	30	35	S245-0609
9	13	23	30	50	S245-0913



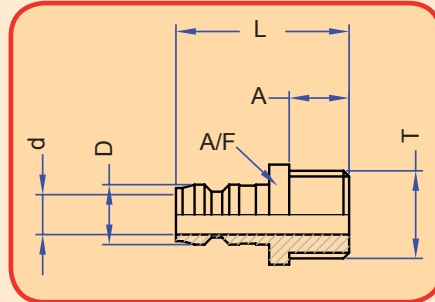
d	D	O	H	L	☒
5	6	17.5	30	35	SV245-0506
6	9	17.5	30	35	SV245-0609
9	13	23	30	50	SV245-0913



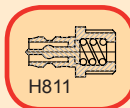
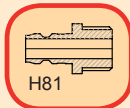
d	D	O	H	L	☒
5	6	17.5	30	35	S290-0506
6	9	17.5	30	35	S290-0609
9	13	23	30	50	S390-0913



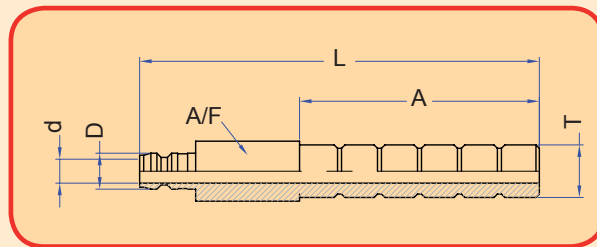
d	D	O	H	L	☒
5	6	17.5	30	35	SV290-0506
6	9	17.5	30	35	SV290-0609
9	13	17.5	30	50	SV290-0913



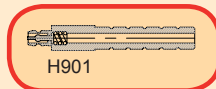
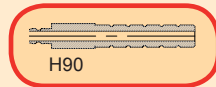
For use with the -
 H80 / H801 range of connectors.
 See page 8.
 Some items available in Stainless Steel as SS.
 All imperial threads are BSPT.
 Metric threads are parallel.



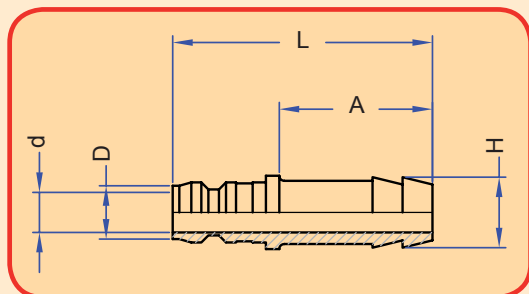
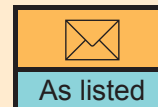
T	d	D	L	A	☒	☒	☒
1/8"	06	09	26	8	H81-09-125	H81-09-125-SS	
1/4"				9	H81-09-250	H81-09-250-SS	H811-09-250
3/8"			30	10	H81-09-375		
M10			26	8	H81-09-M10		
M14				10	H81-09-M14		
1/8"	09	13	27	8	H81-13-125	H81-13-125-SS	
1/4"				9	H81-13-250	H81-13-250-SS	H811-13-250
3/8"			30	10	H81-13-375		H811-13-375
M14			27	8	H81-13-M14		
M16			30	10	H81-13-M16		



For use with the -
 H80 / H801 range of connectors.
 See page 8.
 Some items available in Stainless Steel as SS.
 All imperial threads are BSPT.

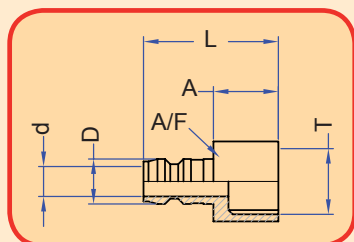
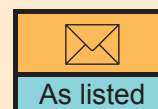


T	d	D	L	A	☒	☒	☒
1/8"	6	9	100	60	H90-09-125	H90-09-125-SS	
1/4"					H90-09-250	H90-09-250-SS	H901-09-250
3/8"					H90-09-375	H90-09-375-SS	H901-09-375
1/4"	9	13			H90-13-250	H90-13-250-SS	H901-13-250
3/8"					H90-13-375	H90-13-375-SS	H901-13-375



For use with the -
 H80 / H801 range of connectors.
 See page 8.

H	d	D	L	A	☒
M06-1/4"	6	9	34	18	H83-09-M06
M08-5/16"					H83-09-M08
M10-3/8"					H83-09-M10
M13-1/2"					H83-09-M13
M13-1/2"	9	13	35		H83-13-M13

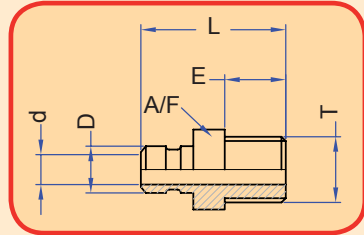


For use with the -
 H80 / H801 range of connectors.
 See page 8.

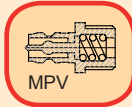
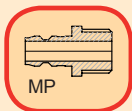
d	D	T	L	A	A/F	☒
6	9	1/4"	27	13	17	H85-09-250

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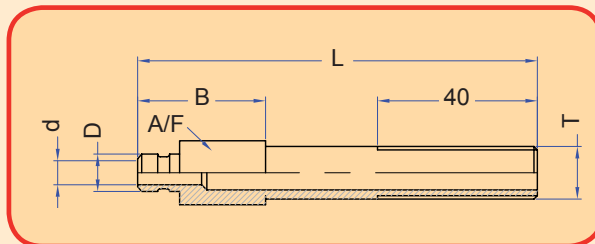
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For use with the -
 S200 / S300 range of connectors.
 See page 9.
 All imperial threads are BSPT.

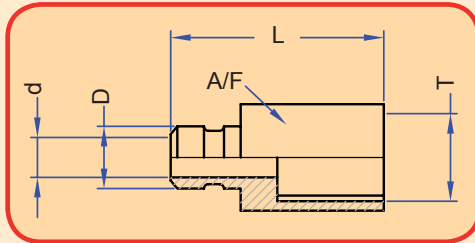


T	d	D	E	L	A/F	☒	☒
1/8"	6	9	10	24	14	MP2-125	
1/4"			15	29	17	MP2-250	MPV2-250
3/8"			16	30	19	MP2-375	MPV2-375
1/4"	9	13	13	34	17	MP3-250	
3/8"			15	36	19	MP3-375	
1/2"			17	38	24	MP3-500	



For use with the -
 S200 / S300 range of connectors.
 See page 9.
 All imperial threads are BSP.

d	D	L	A/F	B	T	☒						
6	9	100	11	25	1/8"	XP204-125						
		175				XP207-125						
		250				XP210-125						
		9	13	100	14	32	1/4"	XP204-250				
				175				XP207-250				
				250				XP210-250				
				100	17		3/8"	XP204-375				
				175				XP207-375				
				250				XP210-375				
9	13	100	14	32	1/4"	XP304-250						
		175				XP307-250						
		250				XP310-250						
		9	13		100	17	32	3/8"	XP304-375			
					175				XP307-375			
					250				XP310-375			
					9	13		100	22	38	1/2"	XP304-500
								175				XP307-500
								250				XP310-500

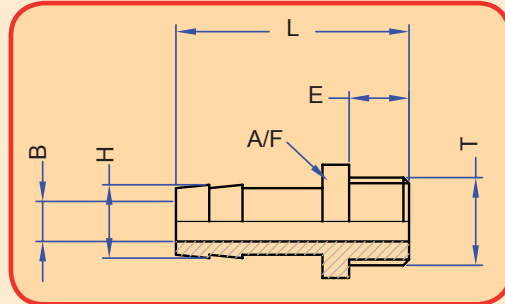


For use with the -
 S200 / S300 range of connectors.
 See page 9.
 All imperial threads are BSPT

d	D	L	A/F	T	✉
6	9	28	14	1/8"	FP2-125
		32	17	1/4"	FP2-250
		34	19	3/8"	FP2-375
9	13	37	17	1/4"	FP3-250
		39	19	3/8"	FP3-375
		46	24	1/2"	FP3-500

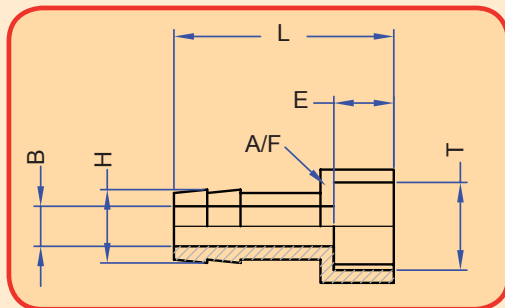
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All imperial threads are BSPT.

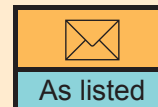
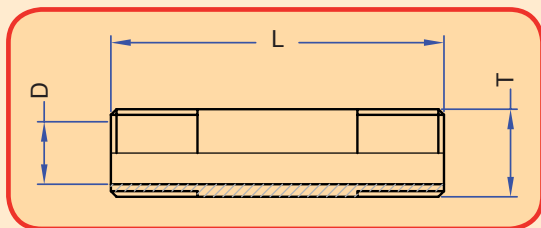
T	E	A/F	H	B	☒
1/8"	10	14	6	5	HCM06-125
			9	6	HCM09-125
1/4"	15	17	13	9	HCM09-250
				13	9
3/8"	16	19			HCM13-375



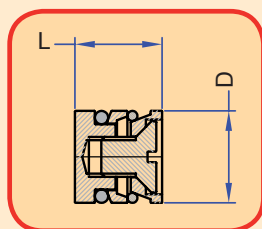
All imperial threads are BSPT.

T	E	A/F	H	B	☒
1/8"	10	14	9	6	HCF09-125
			13	9	HCF13-250
1/4"	15	17			HCF09-250
3/8"	16	19	13	9	HCF13-250

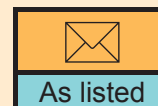
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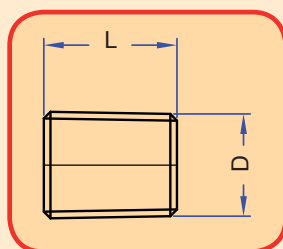
D	L	T	☒
6	50	1/8"	EP02-125
	100		EP04-125
	150		EP06-125
	200		EP08-125
9	50	1/4"	EP02-250
	100		EP04-250
	150		EP06-250
	200		EP08-250
13	100	3/8"	EP04-375
	150		EP06-375
	200		EP08-375



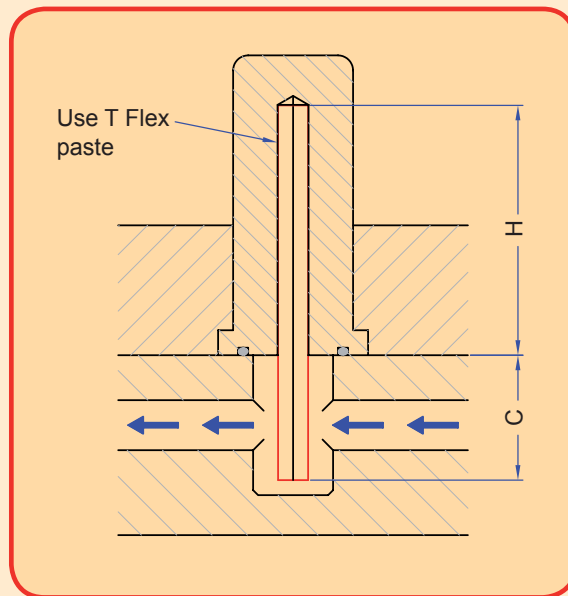
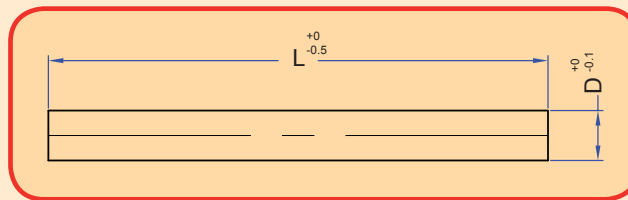
Maximum working pressure = 10 bar
 Operating temperatures -
 Water = 100°C
 Oil = -15°C to 150°C



D	L	☒
6	10	EPP06
8		EPP08
10	11	EPP10
12		EPP12
14	13	EPP14
16		EPP16



D	L	☒	☒
		Brass	Steel
1/8" BSPT	3/8"	BSPT 12 B	BSPT 12
1/4" BSPT	1/2"	BSPT 25 B	BSPT 25
3/8" BSPT	9/16"	BSPT 37 B	
1/2" BSPT	11/16"	BSPT 50 B	
M8 x 1	8		MPT 08
M10 x 1	10		MPT 10
M12 x 1.5	12		MPT 12



TCP's are used instead of conventional water cooling methods. They are simple and easy to fit and can simplify a tool design. In operation they are extremely efficient when fitted correctly. Manufactured from a tin plated vacuum sealed copper tube with various fillers.

THEY MUST NEVER BE CUT.

Design Notes

Standard TCP's can only be used successfully in a horizontal position. Use the largest diameter possible. Drill nominal size hole +0.05 / +0.13 (do not ream). The cooled length 'C' should be 50% of the heated length 'H' for maximum efficiency. However they do work satisfactorily with less.

Operating Temperatures

Standard (stock) = +5°C / +150°C
 High temperature = +5°C / +250°C
 Low temperature = -40°C / +150°C

High and low temperature, special sizes and vertical use TCP's are available to order as specials.

Fitting

T Flex heat transfer paste **MUST** be used when fitting TCP's.

T Flex heat transfer paste is available from stock and is supplied in a 10 gram syringe.

D	L							
	50	75	100	125	150	175	200	250
2.5	✓	✓	✓	✓				
3	✓	✓	✓	✓	✓	✓	✓	
4		✓	✓	✓	✓	✓	✓	
5		✓	✓	✓	✓	✓	✓	
6		✓	✓	✓	✓	✓	✓	✓
8			✓	✓	✓	✓	✓	✓
10			✓	✓	✓	✓	✓	✓
12			✓	✓	✓	✓	✓	✓

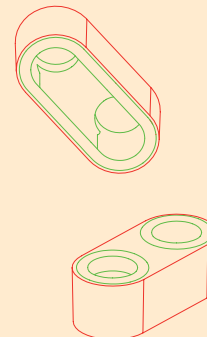
D	L							
	2"	3"	4"	5"	6"	8"	10"	
3/32"	✓	✓	✓	✓	✓			
1/8"	✓	✓	✓	✓	✓	✓		
3/16"		✓	✓	✓	✓	✓		
1/4"		✓	✓	✓	✓	✓	✓	
3/8"			✓	✓	✓	✓	✓	



Easily connect water through your cavities without the need for complicated water lines.

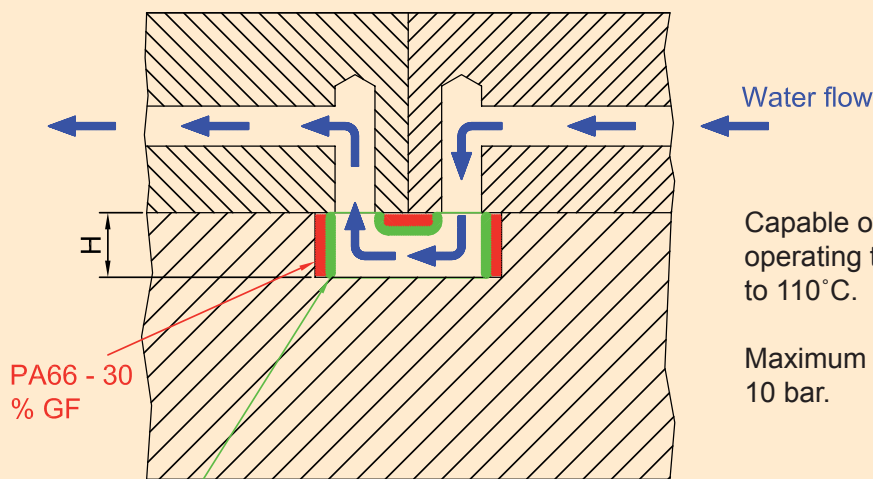
Simply machine a small pocket in between your cavities and fit the Flow Links as required.

Structure manufactured from 30% GF Nylon with a Santoprene overmoulded seal.



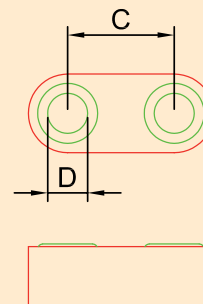
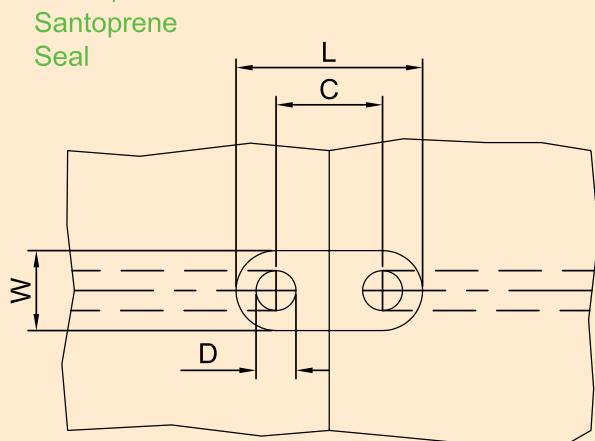
CODE	D	C	L	W	H
FL06x16	6	16	28	12	9.7
FL08x18	8	18	32	14	11.8
FL10x20	10	20	36	16	12.7
FL12x22	12	22	40	19	15.8

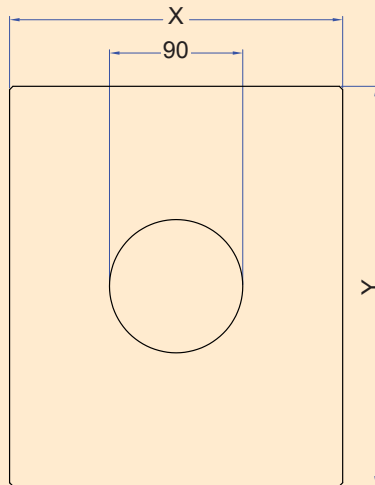
CODE	D	C	L	W	H
FL1/4"x5/8"	1/4"	5/8"	1 - 3/32"	1/2"	3/8"
FL5/16"x3/4"	5/16"	3/4"	1 - 1/4"	9/16"	7/16"
FL3/8"x3/4"	3/8"	3/4"	1 - 27/64"	5/8"	1/2"
FL1/2"x7/8"	1/2"	7/8"	1 - 9/16"	3/4"	5/8"



Capable of withstanding operating temperatures up to 110°C.

Maximum working pressure 10 bar.





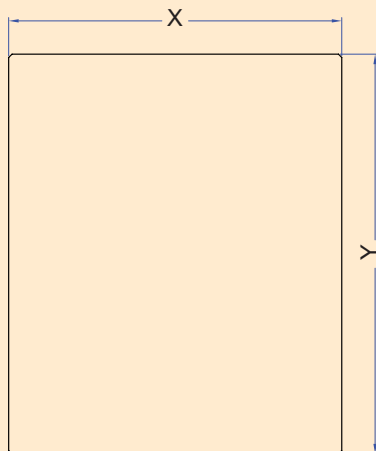
IG

A glass fibre resin bonded board which is asbestos free. Sheets are supplied with both sides sanded and parallel to within 0.05mm. Glasstherm has the following outstanding properties -

- Low thermal conductivity
- High compressive strength
- Ability to withstand rough handling
- Very low water absorption
- Good machining characteristics
- Long service life

X	Y					
	196	246	296	346	396	446
156	✓					
196	✓	✓	✓			
218		✓	✓			
246		✓	✓	✓	✓	
296			✓	✓	✓	✓
346				✓	✓	✓

Density g/cm ³	Water Absorption %	Thermal Conductivity W/cm.k	Coefficient of Thermal Expansion 1/k	Compressive Strength @ °C			Max. Operating temp	
				23	155	230	normal	peak
1.96	0.06	2.7 x 10 ⁻³	20 x 10 ⁻⁶	33 MPa	185 MPa	120 MPa	285°C	300°C



IG

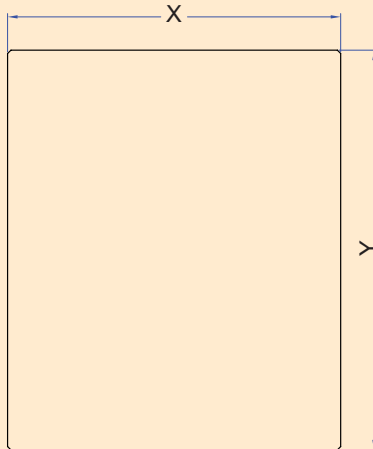
A glass fibre resin bonded board which is asbestos free. Sheets are supplied with both sides sanded and parallel to within 0.05mm. Glasstherm has the following outstanding properties -

- Low thermal conductivity
- High compressive strength
- Ability to withstand rough handling
- Very low water absorption
- Good machining characteristics
- Long service life

T = 6											
X	Y										
	95	125	156	196	246	296	346	396	446	496	1000
95	✓										
100		✓	✓								
125		✓	✓								
156			✓	✓	✓	✓					
196				✓	✓	✓	✓	✓			
218						✓					
246					✓	✓	✓	✓	✓		
296						✓	✓	✓	✓	✓	
346							✓	✓	✓		
500											✓
666											✓
1000											✓

T = 10											
X	Y										
	95	125	156	196	246	296	346	396	446	496	1000
95	✓										
100		✓	✓								
125		✓	✓								
156			✓	✓	✓	✓					
196				✓	✓	✓	✓	✓			
246					✓	✓	✓	✓	✓		
296						✓	✓	✓	✓	✓	
346							✓	✓	✓		
500											✓
666											✓
1000											✓

Density g/cm ³	Water Absorption %	Thermal Conductivity W/cm.k	Coefficient of Thermal Expansion 1/k	Compressive Strength @ °C			Max. Operating temp	
				23	155	230	normal	peak
1.96	0.06	2.7 x 10 ⁻³	20 x 10 ⁻⁶	33 MPa	185 MPa	120 MPa	285°C	300°C



ID

An asbestos free laminate made from glass matt and bonded with a high mechanical strength resin. Sheets are supplied with both sides sanded and parallel to within 0.05mm. Glasstherm has the following outstanding properties -

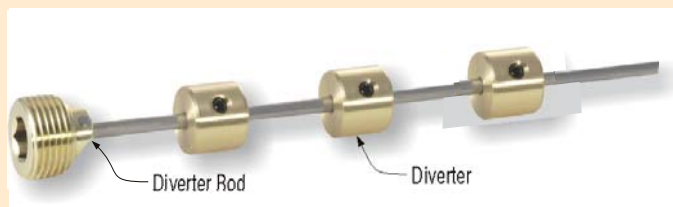
- Low thermal conductivity
- High compressive strength
- Excellent thermal resistance
- Very low water absorption
- Good machining characteristics
- Good dimensional stability

T = 6											
X	Y										
	95	125	156	196	246	296	346	396	446	496	1000
95	✓										
100		✓	✓								
125		✓	✓								
156			✓	✓	✓	✓					
196				✓	✓	✓	✓	✓			
246					✓	✓	✓	✓	✓		
296						✓	✓	✓	✓	✓	
346							✓	✓	✓		

T = 10											
X	Y										
	95	125	156	196	246	296	346	396	446	496	1000
95	✓										
100		✓	✓								
125		✓	✓								
156			✓	✓	✓	✓					
196				✓	✓	✓	✓	✓			
246					✓	✓	✓	✓	✓		
296						✓	✓	✓	✓	✓	
346							✓	✓	✓		

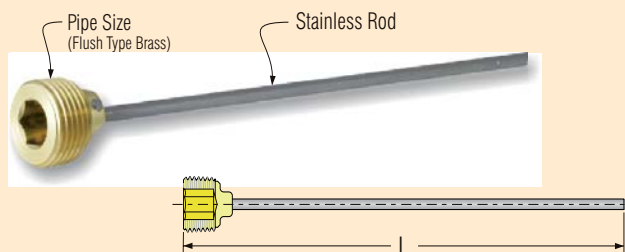
Density g/cm ³	Water Absorption %	Thermal Conductivity W/cm.k	Coefficient of Thermal Expansion 1/k	Compressive Strength @ °C			Max. Operating temp	
				23	155	230	normal	peak
1.85	0.20	2.4 x 10 ⁻³	16 x 10 ⁻⁶	33 MPa	185 MPa	120 MPa	285°C	300°C

Pipe plug is pre-assembled to locating rod and swivels for positive installation and removal.



Diverter Rods

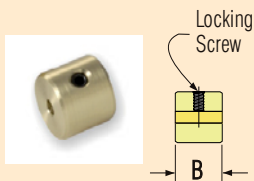
- No special tools required.
- Simply lock diverters in position on the stainless rod, and install into the cooling channel.
- Rod stays in the center of the cooling channel, allowing maximum heat transfer to coolant.
- Choose the pipe size from the chart. Then choose diverters below. Longer length Diverter Rods are available.



BSPT	Rod Ø	L	☒
1/8"	3/32"	300mm	DRP-125-BSPT
1/4"	1/8"	450mm	DRP-250-BSPT
3/8"	1/8"		DRP-375-BSPT

Diverters

- Order in any quantity.
- Locking screw included.
- Custom sizes available.



BSPT	Ø OD (-.1mm)	B	☒
1/8"	8mm	10mm	D-125
1/4"	10mm	12mm	D-250
3/8"	12mm	14mm	D-375



TERMS AND CONDITIONS OF SALE

1) CUSTOMER CONDITIONS DO NOT APPLY.

All quotations are made and all orders are accepted subject to the following conditions. All other terms, conditions or warranties whatsoever are excluded from the contract or any variation thereof unless expressly accepted by a Director of the Supplier in writing.

2) DELIVERY.

Every effort will be made to keep delivery dates. Time for delivery is given as accurately as possible but it is not guaranteed nor is it the essence of the contract. The customer has no right to damages or to cancel the order for failure for any cause to meet any delivery time stated.

3) LIABILITY.

No liability can be accepted for loss caused through delay for reasons beyond our control or by an industrial dispute of any kind (whether involving our employees or not) or by any failure to obtain materials, goods or equipment from a supplier through no fault of our own in due time to observe delivery dates. The supplier's right is reserved to repudiate the contract and/or suspend delivery as long as any payment for goods previously invoiced is in arrears without liability for damage or consequential loss and without prejudice to the Suppliers right to recover all sums owing to it.

4) PRICES.

The prices quoted are subject to fluctuation without prior notice. Goods will be invoiced at prices ruling at the date of despatch notwithstanding any quotation or prior acceptance of order. All prices are unless otherwise stated net exclusive VAT and carriage charges. Post or Carriage and packing will be payable by the Customer in addition to the price of the goods.

5) EXPORT.

These goods are offered on the understanding that they will not be exported from the United Kingdom for resale.

6) PAYMENT.

Payment is due 30 days after the date of the invoice. No disputes arising under the contract nor delays beyond the reasonable control of the Supplier shall interfere with the prompt payment in full by the Customer.

7) INTEREST.

The Company reserves the right to charge interest at 2% per month on overdue accounts.

8) COLLECTION COSTS.

Should it be necessary for the Company to instruct a third party e.g. Solicitor or Collection Agency to collect any outstanding balance on behalf of the Company, then the following Administration Charges will be payable:

On outstanding balance up to £5,000 – 5% of the debt.

Outstanding balance over £5,000 – 3%.

These charges are in addition to any Court and Solicitors fees which may be payable.

9) MINIMUM ORDER VALUE. £15.00.

10) RETURN OF GOODS.

Goods must not be returned to us for credit without obtaining our authorisation in writing. A handling charge of 10% of the purchase price will be made and we reserve the right to charge the Customer additionally for all reasonable costs and expenses incurred by the Supplier in respect of returns.

11) PACKING.

Unless stated otherwise, the Customer shall be charged for packing cases, these being non-returnable. Packing shall provide adequate protection throughout normal conditions of transit of normal duration. Packing is not suitable for long-term storage. Special requirements for packing must be stated on the order and will be chargeable.

12) LAW.

The contract shall be governed and interpreted exclusively according to the law of England and shall be subject to the jurisdiction of the English courts only.

13) TITLE AND RISK.

Title to the goods shall only pass to the Customer when the Customer has paid to the Supplier all the sums due and payable by the Customer under the contract and all other prior agreements between the supplier and the Customer. If the Customer fails to pay such sums the Supplier shall be entitled to repossess the goods of which title has not passed to the Customer. The Customer hereby licenses the Supplier, its officers, employees and agents to enter the premises of the Customer for the purpose of either satisfying itself that the goods are kept separately from other goods or to repossess the goods. Until title of the goods has passed to the Customer pursuant to the terms hereof, it shall possess the goods as a bailee of the supplier on the terms of this contract. Risk shall pass to the Customer so that the Customer is responsible for all loss, damage or deterioration to the goods at the time the goods arrive at the place of delivery if the Supplier delivers the goods by its own transport or if the Supplier arranges transport of the goods. In all other circumstances risk shall pass to the Customer at the time the goods leave the premises of the Supplier.

14) CONSUMER PROTECTION ACT.

In circumstances where the Supplier supplies parts or products to the Customer for incorporation with, or use ancillary to, and composite products to be produced, manufactured, processed or supplied by Customers then:- The Customer shall forthwith on demand produce for inspection by the Supplier copies of all written instructions, information and warnings to be supplied by the Customer in relation to the said composite products, provided nevertheless that such inspection or right to inspect shall not in itself constitute acceptance or approval on the part of the Supplier of such instructions, information or warnings. The Customer shall indemnify, reimburse and compensate the Supplier for all losses and damages (including costs, expenses and charges for legal actions in which the Supplier may be involved) that the Supplier may incur in the event that any claim or claims are made against the Company pursuant to the Act relating to the said composite products of the Customer or products in circumstances of which part of the product supplied by the supplier was either (i) not the defective part of the said composite product or (ii) was only rendered the defective part or became a defective product by reason of instructions or warnings given by the Customer or other supplier of the said composite product or products. For the purpose of this condition the word "defective" shall be interpreted in accordance with the definition contained in the Act.

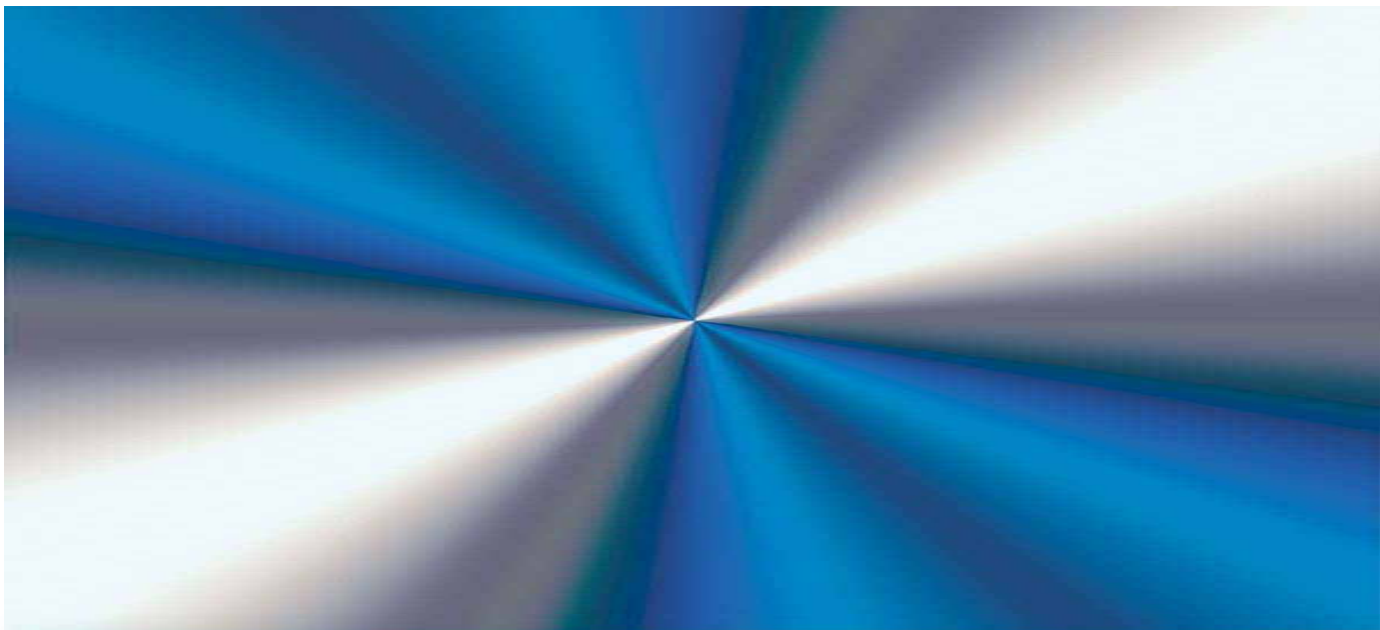
15) INDEMNITY FOR PERSONAL INJURY.

Save where the Supplier is shown to have failed to exercise reasonable care in the manufacture and/or supply of the goods and such failure results in the death or personal injury the Supplier shall not be liable in respect of claims arising by reason of death or personal injury. Further, under no circumstances whatsoever shall the Supplier be liable for consequential loss (including the removal or rectification work required in connection with the installation of repaired or substituted goods), loss of profits, damage to property, waste, expenditure or cost of mitigation.

16) HEALTH & SAFETY AT WORK.

Whilst every reasonable care is taken to ensure that our products are safe, you are requested to pay particular attention to applying the proper health and safety precautions in the use of our products.

Our complete list of Terms and Conditions are listed at www.dms-diemould.co.uk.



DMS-Diemould

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