

## Leak Test and Isolation Plugs



Huntingdon Fusion Techniques HFT® manufacture a large range of **Aluminium Plugs** to compliment the range of small diameter **Nylon Plugs**.

They are manufactured for pipe diameters of 1.5" to 36", with ½", 1" and 2" BSP outlets / vents / waterways / bypass as shown in the chart overleaf.

The plugs have high strength, tough, cast aluminium plates. They are simple to install with their friction free washers enabling easy turning for the center wing nuts. They do not rust or seize up.

The plugs are also used for total sealing of apertures in large tanks or vessels being transported, either to prevent the tank internals being subjected to contamination by corrosive gases and liquids, or to prevent the escape of pressurised inert gas that is used to protect the internals during transportation.

The standard seals are made from natural rubber and special rubber seals are available for applications where greater resistance to chemicals and / or temperatures is required.

- HFT® **Aluminium Plugs** conform to British Standard BS 8005 for low pressure testing and sealing of pipes.
- Typical applications for aluminium plugs include plumbing operations, domestic and industrial water drainage systems as well for offshore operations. They are negatively buoyant for sub-sea work.
- For ducting and conduit, swimming pools, masking in painting and casting industries.
- Suitable for arduous duties such as immersion in chemicals and / or higher temperatures.
- Used in all kinds of pipes and materials for leak testing, isolation, sealing, stopping and weld purging.

## Technical Information Aluminium Pipe Plugs

0.5" BSP		Expansion Range	Min. Insertion into Pipe	Overall Length	Max. Psi	Approx. Weight
Inches	mm					
1.5	38	38 - 50	45	94	30	0.17
2	51	49 - 62	43	90	30	0.22
2.5	64	62 - 77	43	92	30	0.27
3	76	73 - 89	43	94	20	0.31
3.5	90	84 - 103	53	96	15	0.36
4	102	94 - 110	47	94	10	0.36
4.5	114	112 - 130	56	140	10	0.47
5	127	125 - 142	60	95	10	0.79
6	152	146 - 168	48	96	10	0.70
1.0" BSP						
7	178	175 - 200	64	100	7	1.92
8	203	193 - 220	64	100	7	1.59
9	229	220 - 240	64	170	7	2.06
10	254	245 - 270	73	178	7	2.52
12	305	295 - 325	77	200	7	3.42
14	356	350 - 385	110	215	5	6.95
15	381	370 - 410	110	225	5	5.35
16	406	390 - 435	110	225	5	5.90
18	457	445 - 495	110	225	5	8.75
2.0" BSP						
20	508	495 - 550	145	255	5	14.4
21	533	495 - 550	145	255	3	16.0
22	559	546 - 572	145	255	3	18.0
24	610	595 - 650	145	255	3	22.0
26	660	648 - 673				25.0
27	686	673 - 699				26.5
28	711	699 - 724				27.0
30	762	749 - 775				28.0
32	813	800 - 826				32.0
33	838	826 - 851				35.0
34	864	851 - 876				37.0
36	914	902 - 927				37.0



## HFT Pipestoppers® Nylon Plugs



This long established range of **Nylon Pipe Plugs** are manufactured from injection moulded components and rubber expansion rings.

The sizes available are as follows:

Solid Stem Small Bore				
inch	mm	Range mm	Height of Seal	Weight gms
½	13	14 - 19	20	10
¾	19	18 - 25	23	15
1	25	24 - 36	25	20
1 ¼	32	30 - 44	31	35
1 ½	38	36 - 51	31	45
Hollow Shaft Small Bore				
½	13	13 - 19	20	10
¾	19	18 - 26	23	15
1	25	23 - 36	25	20
1 ¼	32	30 - 43	31	35
1 ½	38	36 - 50	31	45
Hollow Shaft Large Bore 1/2" BSP				
1 ½	38	36 - 53	31	70
2	51	49 - 64	31	80
2 ½	64	63 - 76	31	130
3	76	73 - 88	31	140
3 ½	90	82 - 98	31	148
4	102	92 - 110	35	160
4 ½	114	110 - 130	35	216
5	127	119 - 142	37	280
6	152	145 - 164	37	390