

IGS



INDUSTRIAL PLANT EQUIPMENT & TRADING L.L.C

FULLY DEDICATED
TO THE
GLASS INDUSTRY



EXPENDABLES
AND
SPECIAL SHAPES
FOR
FEEDERS APPLICATION

REV.4 -13/06/2016

INTRODUCTION

Dear Customer

IGS LLC through TKS International G.m.b.H & Tarkus technology could be your partner in spare parts supply.

This catalogue is a small revision of the previous one.

Our formulations are made with the best raw materials on the world market.

With more than 2000 Working-End and Forehearth superstructures, more than 1100 glass contact lines, dozens & dozens complete furnaces supplied as main contractor and more than 25.000 different mould shapes handling during last few years; today our partner Tks International G.m.b.H has established business relationships with customers ali aver the world.

TKS International can be considered one of the leaders in special shape refractories for Glass Industry.

Expendable in our production is an important issue and we had invested in tools and research.

Production Line people and furnaces to fire it are dedicate only to produce expandable for feeder.

Today our quality and technical solutions are appreciated by our customers and we support them also with service, fast delivery and as well as supplying to them with special shape as requested.

All our expendable are grinded and accurate packing is made to ship ali aver the world.

In this catalogue you can find all standard production and in last part you can design your own pcs; we will be glad to help you to increase performance in your production.

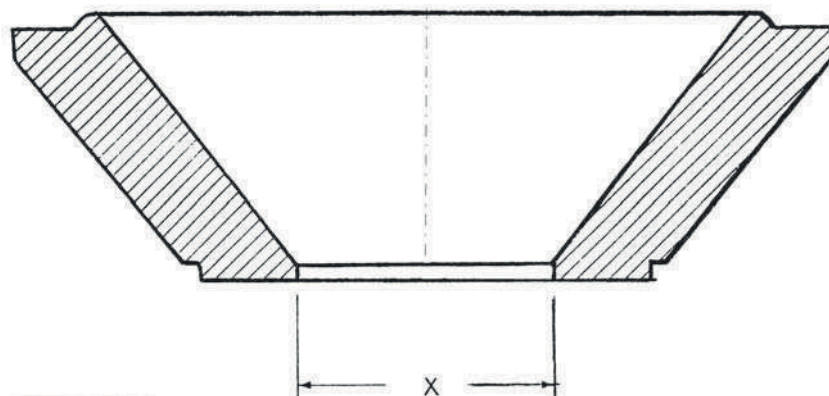
IGS LLC

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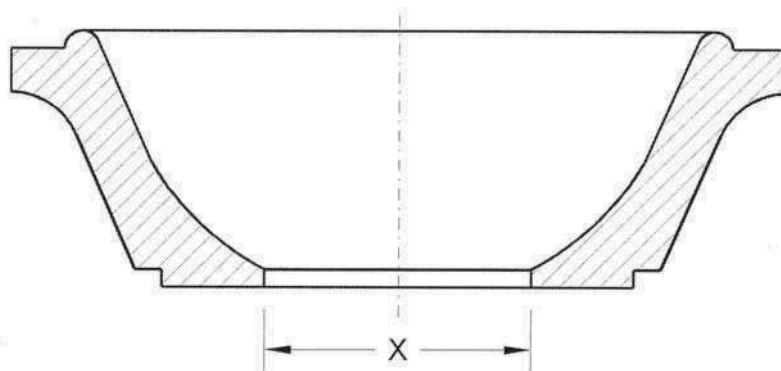
ORIFICE RINGS SINGLE GOB for 5" Spout - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
5/16	8	AN144-10253	Steel 144-1332 Stainless 144-14362
11/32	8,5	AN144-10254	
3/8	9,5	AN144-10255	
13/32	10,5	AN144-10256	
7/16	11	AN144-10257	
15/32	12	AN144-10258	
1/2	12,5	AN144-10259	
17/32	13,5	AN144-10260	
9/16	14,5	AN144-10261	
19/32	15	AN144-10262	
5/8	16	AN144-10263	
21/32	16,5	AN144-10264	
11/16	17,5	AN144-10265	
23/32	18	AN144-10266	
3/4	19	AN144-10164	Steel 144-1333 Stainless 144-14363
25/32	20	AN144-10267	
13/16	20,5	AN144-10268	
27/32	21,5	AN144-10269	
7/8	22	AN144-10270	
29/32	23	AN144-10271	
15/16	24	AN144-10272	
21/32	24,5	AN144-10273	
1	25,5	AN144-10274	Steel 144-1335 Stainless 144-14364
1 1/6	27	AN144-10275	
1 1/8	28,5	AN144-10276	
1 3/16	30	AN144-10277	
1 1/4	31,5	AN144-10278	
1 5/16	33,5	AN144-10279	
1 3/8	35	AN144-10280	
1 7/6	36,5	AN144-10281	
1 1/2	38	AN144-10282	Steel 144-1337 Stainless 144-14365
1 9/16	39,5	AN144-10283	
1 5/8	41,5	AN144-10165	
1 11/16	43	AN144-10284	
1 3/4	44,5	AN144-10285	
1 13/16	46	AN144-10286	
1 7/8	47,5	AN144-10287	
1 15/16	49	AN144-10288	

Dimension X Inches	mm.	Part Number	Holder Number
2	51	AN144-10289	Steel 144-1339 Stainless 144-14366
2 1/16	52	AN144-10290	
2 1/8	54	AN144-10291	
2 3/16	56	AN144-10292	
2 1/4	57	AN144-10293	
2 5/16	59	AN144-10294	
2 3/8	60	AN144-10295	
2 7/16	62	AN144-10296	Steel 144-1341 Stainless 144-14367
2 1/2	63	AN144-10297	
2 9/16	65	AN144-10298	
2 5/8	67	AN144-10299	
2 11/16	68	AN144-10300	
2 3/4	70	AN144-10301	
2 13/16	71	AN144-10302	
2 7/8	73	AN144-10303	Steel 144-1343 Stainless 144-14368
2 15/16	75	AN144-10304	
3	76	AN144-10305	
3 1/16	78	AN144-10306	
3 1/8	79	AN144-10307	
3 3/16	81	AN144-10308	
3 1/4	83	AN144-10309	
3 5/16	84	AN144-10310	Steel 144-1345 Stainless 144-14369
3 3/8	86	AN144-10311	
3 7/16	87	AN144-10312	
3 1/2	89	AN144-10313	
3 9/16	90	AN144-10314	
3 5/8	92	AN144-10315	
3 11/16	94	AN144-10316	
3 3/4	95	AN144-10317	Steel 144-10330 Stainless 144-14370
3 13/16	97	AN144-10318	
3 7/8	98	AN144-10319	
3 15/16	100	AN144-10320	
4	102	AN144-10321	
4 1/16	103	AN144-10322	
4 1/8	105	AN144-10323	
4 3/16	106	AN144-10324	Steel 144-10330 Stainless 144-14370
4 1/4	108	AN144-10325	
4 5/16	110	AN144-10326	
4 3/8	111	AN144-10327	
4 7/16	113	AN144-10328	
4 1/2	114	AN144-10329	

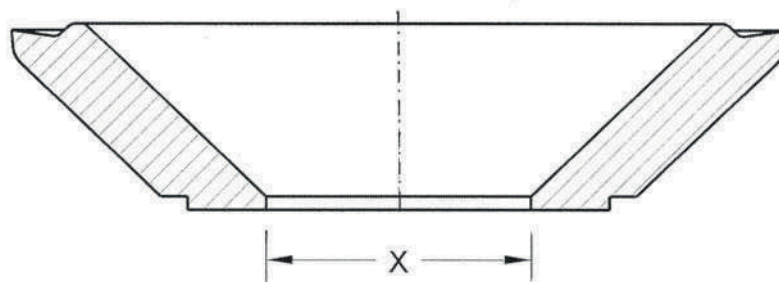
ORIFICE RINGS SINGLE GOB for 5" Spout



Dimension X Inches	mm.	Part Number	Holder Number
5/16	8	AN144-15340	Steel 144-1333 Stainless 144-14363
11/32	8,5	AN144-15341	
3/8	9,5	AN144-15342	
13/32	10,5	AN144-15343	
7/16	11	AN144-15344	
15/32	12	AN144-15345	
1/2	12,5	AN144-15346	
17/32	13,5	AN144-15347	
9/16	14,5	AN144-15348	
19/32	15	AN144-15349	
5/8	16	AN144-15350	
21/32	16,5	AN144-15351	
11/16	17,5	AN144-15352	
23/32	18	AN144-15353	
3/4	19	AN144-15354	
25/32	20	AN144-15355	
13/16	20,5	AN144-15356	Steel 144-1337 Stainless 144-14365
27/32	21,5	AN144-15357	
7/8	22	AN144-15358	
29/32	23	AN144-15359	
15/16	24	AN144-15360	
31/32	24,5	AN144-15361	
1	25,5	AN144-15362	
1 1/6	27	AN144-15363	
1 1/8	28,5	AN144-15364	
1 3/16	30	AN144-15365	
1 1/4	31,5	AN144-15366	
1 5/16	33,5	AN144-15367	
1 3/8	35	AN144-15368	
1 7/16	36,5	AN144-15369	
1 1/2	38	AN144-15370	
1 9/16	39,5	AN144-15371	
1 5/8	41,5	AN144-15372	
1 11/16	43	AN144-15373	
1 3/4	44,5	AN144-15374	
1 13/16	46	AN144-15375	
1 7/8	47,5	AN144-15376	
1 15/16	49	AN144-15377	

Dimension X Inches	mm.	Part Number	Holder Number
2	51	AN144-15378	Steel 144-1341 Stainless 144-14367
2 1/16	52	AN144-15379	
2 1/8	54	AN144-15380	
2 3/16	56	AN144-15381	
2 1/4	57	AN144-15382	
2 5/16	59	AN144-15383	
2 3/8	60	AN144-15384	
2 7/16	62	AN144-15385	
2 1/2	63	AN144-15386	
2 9/16	65	AN144-15387	
2 5/8	67	AN144-15388	
2 11/16	68	AN144-15389	
2 3/4	70	AN144-15390	
2 13/16	71	AN144-15391	
2 7/8	73	AN144-15392	
2 15/16	75	AN144-15393	
3	76	AN144-15394	Steel 144-10330 Stainless 144-14370
3 1/16	78	AN144-15395	
3 1/8	79	AN144-15396	
3 3/16	81	AN144-15397	
3 1/4	83	AN144-15398	
3 5/16	84	AN144-15399	
3 3/8	86	AN144-15400	
3 7/16	87	AN144-15401	
3 1/2	89	AN144-15402	
3 9/16	90	AN144-15403	
3 5/8	92	AN144-15404	
3 11/16	94	AN144-15405	
3 3/4	95	AN144-15406	
3 13/16	97	AN144-15407	
3 7/8	98	AN144-15408	
3 15/16	100	AN144-15409	
4	102	AN144-15410	
4 1/16	103	AN144-15411	
4 1/8	105	AN144-15412	
4 3/16	106	AN144-15413	
4 1/4	108	AN144-15414	
4 5/16	110	AN144-15415	
4 3/8	111	AN144-15416	
4 7/16	113	AN144-15417	
4 1/2	114	AN144-15418	

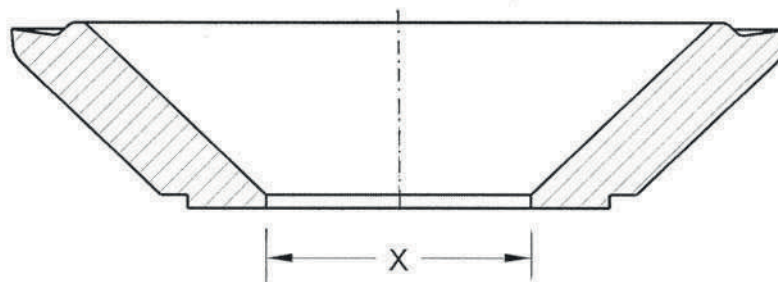
ORIFICE RINGS SINGLE GOB for 6" Spout



Dimension X Inches	mm.	Part Number	Holder Number
1	25,5	AN144-9414	144-9418
1-1/16	27	AN144-9438	
1-1/8	28,5	AN144-9415	
1-3/16	30	AN144-9439	
1-1/4	31,5	AN144-9416	
1-5/16	33,5	AN144-9440	
1-3/8	35	AN144-9417	
1-7/16	36,5	AN144-9441	
1-1/2	38	AN144-9261	144-9287
1-9/16	39,5	AN144-9262	
1-5/8	41,5	AN144-9263	
1-11/16	43	AN144-9264	
1-3/4	44,5	AN144-9265	
1-13/16	46	AN144-9266	
1-7/8	47,5	AN144-9267	
1-15/16	49	AN144-9268	
2	51	AN144-9269	144-9288
2-1/16	52	AN144-9270	
2-1/8	54	AN144-9271	
2-3/16	56	AN144-9272	
2-1/4	57	AN144-9273	
2-5/16	59	AN144-9274	
2-3/8	60	AN144-9275	
2-7/16	62	AN144-9276	
2-1/2	63	AN144-9277	144-9289
2-9/16	65	AN144-9278	
2-5/8	67	AN144-9279	
2-11/16	68	AN144-9280	
2-3/4	70	AN144-9281	
2-13/16	71	AN144-9282	
2-7/8	73	AN144-9283	
2-15/16	75	AN144-9284	

Dimension X Inches	mm.	Part Number	Holder Number
3	76	AN144-9285	144-9290
3-1/16	78	AN144-9310	
3-1/8	79	AN144-9311	
3-3/16	81	AN144-9312	
3-1/4	83	AN144-9313	
3-5/16	84	AN144-9314	
3-3/8	86	AN144-9315	
3-7/16	87	AN144-9316	
3-1/2	89	AN144-9317	144-9296
3-9/16	90	AN144-9318	
3-5/8	92	AN144-9319	
3-11/16	94	AN144-9320	
3-3/4	95	AN144-9321	
3-13/16	97	AN144-9322	
3-7/8	98	AN144-9323	
3-15/16	100	AN144-9324	
4	102	AN144-9325	
4-1/16	103	AN144-9326	
4-1/8	105	AN144-9327	
4-3/16	106	AN144-9328	
4-1/4	108	AN144-9329	
4-5/16	110	AN144-9330	
4-3/8	111	AN144-9331	
4-7/16	113	AN144-9332	
4-1/2	114	AN144-9333	

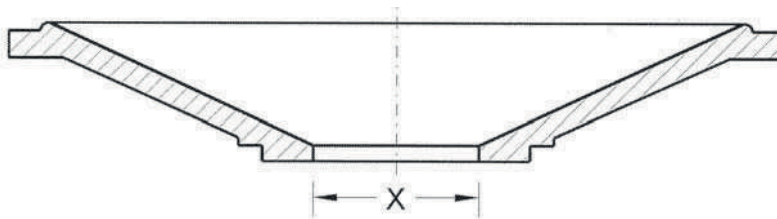
ORIFICE RINGS SINGLE GOB for 7" Spout



Dimension X Inches	mm.	Part Number	Holder Number
1/2	12,5	AN58-3012	194-87 Group 1
9/16	14,5	AN58-3013	
5/8	16	AN58-3014	
11/16	17,5	AN58-3015	
3/4	19	AN58-3016	
13/16	20,5	AN58-3017	
7/8	22	AN58-3018	194-87 Group 2
15/16	24	AN58-3019	
1	25,5	AN58-3020	
1 1/16	27	AN58-3021	
1 1/8	28,5	AN58-3022	
1 3/16	30	AN58-3023	
1 1/4	31,5	AN58-2662	194-87 Group 3
1 5/16	33,5	AN58-3041	
1 3/8	35	AN58-2663	
1 7/16	36,5	AN58-2949	
1 1/2	38	AN58-2664	
1 9/16	39,5	AN58-2950	
1 5/8	41,5	AN58-2665	194-87 Group 4
1 11/16	43	AN58-2951	
1 3/4	44,5	AN58-2666	
1 13/16	46	AN58-2952	
1 7/8	47,5	AN58-2667	
1 15/16	49	AN58-2953	
2	51	AN58-2525	194-87 Group 5
2 1/16	52	AN58-2954	
2 1/8	54	AN58-2526	
2 3/16	56	AN58-2955	
2 1/4	57	AN58-2527	
2 5/16	59	AN58-2956	
2 3/8	60	AN58-2528	
2 7/16	62	AN58-3158	
2 1/2	63	AN58-2529	194-87 Group 6
2 9/16	65	AN58-3159	
2 5/8	67	AN58-2530	
2 11/16	68	AN58-3160	
2 3/4	70	AN58-2531	
2 13/16	71	AN58-3161	
2 7/8	73	AN58-2532	
2 15/16	75	AN58-3162	

Dimension X Inches	mm.	Part Number	Holder Number
3	76	AN58-2533	194-87 Group 7
3 1/16	78	AN58-3163	
3 1/8	79	AN58-2534	
3 3/16	81	AN58-3164	
3 1/4	83	AN58-2535	
3 3/8	86	AN58-2536	
3 1/2	89	AN58-2537	194-87 Group 8
3 5/8	92	AN58-2538	
3 3/4	95	AN58-2539	
3 7/8	98	AN58-2540	
4	102	AN58-2541	194-87 Group 9
4 1/8	105	AN58-2542	
4 1/4	108	AN58-2543	
4 3/8	111	AN58-2544	
4 1/2	114	AN58-2545	194-87 Group 10
4 5/8	117	AN58-2546	
4 3/4	121	AN58-2547	
4 7/8	124	AN58-2548	
5	127	AN58-2549	194-87 Group 11
5 1/8	130	AN58-2550	
5 1/4	133	AN58-2551	
5 3/8	137	AN58-2552	
5 1/2	140	AN58-2553	194-87 Group 12
5 5/8	143	AN58-2554	
5 3/4	146	AN58-2555	
5 7/8	149	AN58-2556	
6	152	AN58-2557	194-87 Group 13
6 1/8	156	AN58-2558	
6 1/4	159	AN58-2559	
6 3/8	162	AN58-2560	
6 1/2	165	AN58-2561	

ORIFICE RINGS SINGLE GOB for 10" Spout

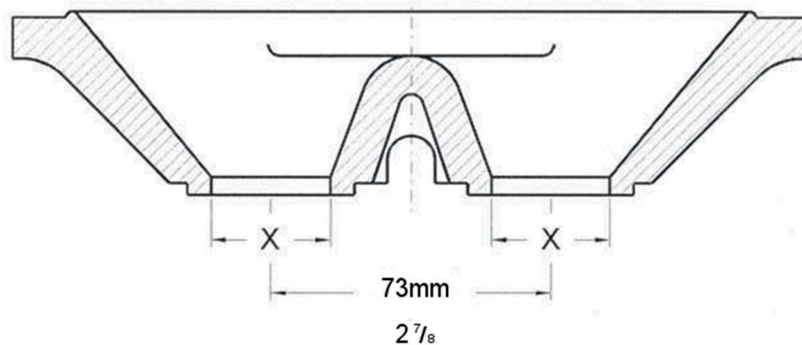


Dimension X Inches	mm.	Part Number	Holder Number
1	25	AN501-6344	503-108 Group 1
1 1/8	29	AN501-9069	
1 3/16	30	AN501-9068	
1 1/4	32	AN501-6345	
1 3/8	35	AN503-5815	
1 7/16	37	AN503-9304	
1 1/2	38	AN503-5816	
1 5/8	41,5	AN503-5817	
1 3/4	44,5	AN503-5662	
1 13/16	46	AN503-5663	
1 7/8	47,5	AN503-5664	
1 15/16	49	AN503-5665	
2	51	AN503-5666	
2 1/16	52	AN503-5667	
2 1/8	54	AN503-5668	
2 3/16	56	AN503-5669	
2 1/4	57	AN503-5670	
2 5/16	59	AN503-5671	
2 3/8	60	AN503-5672	
2 7/16	62	AN503-5673	
2 1/2	63	AN503-5674	
2 9/16	65	AN503-5675	

Dimension X Inches	mm.	Part Number	Holder Number
2 5/8	67	AN503-5676	503-108 Group 2
2 11/16	68	AN503-5677	
2 3/4	70	AN503-5678	
2 13/16	71	AN503-5679	
2 7/8	73	AN503-5680	
2 15/16	75	AN503-5681	
3	76	AN503-5682	
3 1/16	78	AN503-5683	
3 1/8	79	AN503-5684	
3 3/16	81	AN503-5685	
3 1/4	83	AN503-5686	
3 5/16	84	AN503-5687	
3 3/8	86	AN503-5688	
3 7/16	87	AN503-5689	
3 1/2	89	AN501-6109	
3 5/8	92	AN501-9275	
3 3/4	95	AN501-6193	
4	102	AN501-6110	

ORIFICE RINGS

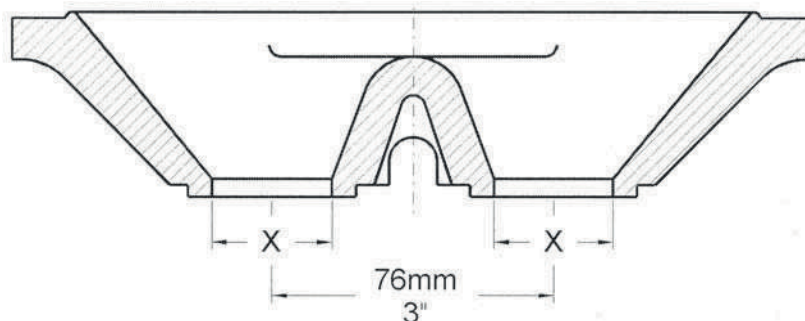
DOUBLE GOB for 5" Spout – $2\frac{7}{8}$ " (73 mm) Centre Distance - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
3/8	9,5	AN81-3036	144-21312 Group 1
7/16	11	AN81-3037	
15/32	12	AN81-3038	
1/2	12,5	AN81-3039	
17/32	13,5	AN81-3040	
9/16	14,5	AN81-3041	
19/32	15	AN81-3082	
5/8	16	AN81-3042	
21/32	16,5	AN81-3083	
11/16	17,5	AN81-3043	
23/32	18,5	AN81-3044	144-21312 Group 2
3/4	19	AN81-3045	
25/32	20	AN81-3084	
13/16	20,5	AN81-3046	
27/32	21,5	AN81-3085	
7/8	22	AN81-3047	
29/32	23	AN81-3086	
15/16	24	AN81-3048	
31/32	24,5	AN81-3087	
1	25,5	AN81-3049	144-21312 Group 3
1 1/8	29	AN501-9223	

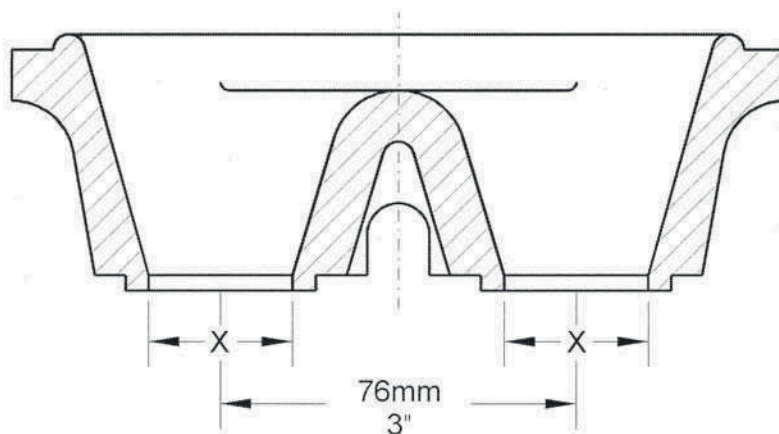
Dimension X Inches	mm.	Part Number	Holder Number
1 1/16	27	AN81-3050	144-21312 Group 3
1 1/8	28,5	AN81-3051	
1 3/16	30	AN81-2921	
1 1/4	31,5	AN81-2920	
1 1/16	27	AN501-9272	144-21312 Group 4
1 1/8	29	AN501-9138	
1 5/16	33,5	AN81-2919	
1 3/8	35	AN81-2845	
1 7/16	36,5	AN81-2846	
1 1/2	38	AN81-2622	
1 9/16	39,5	AN81-2847	
1 5/8	41,5	AN81-2848	

DOUBLE GOB for 5" Spout – 3" (76 mm) Centre Distance - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
1 11/16	43	AN81-2849	144-21312 Group 5
1 3/4	44,5	AN81-2850	
1 13/16	46	AN81-2851	
1 7/8	47,5	AN81-2746	
1 15/16	49	AN81-2747	144-21312 Group 6
2	51	AN81-2748	
2 1/16	52	AN81-2749	
2 1/8	54	AN81-3784	
2 3/16	56	AN81-3785	144-14162

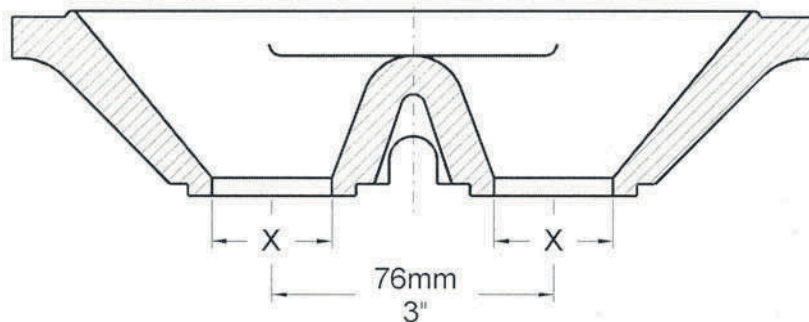
ORIFICE RINGS DOUBLE GOB for 5" Spout - 3" (76 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
3/8	9,5	AN81-3848	Steel 81-309 Group 1 Stainless 81-297 Group 1
7/16	11	AN81-3849	
15/32	12	AN81-3850	
1/2	12,5	AN81-3851	
17/32	13,5	AN81-3852	
9/16	14,5	AN81-3853	
19/32	15	AN81-3854	
5/8	16	AN81-3855	
21/32	16,5	AN81-3856	
11/16	17,5	AN81-3857	
23/32	18,5	AN81-3858	Steel 81-309 Group 2 Stainless 81-297 Group 2
3/4	19	AN81-3859	
25/32	20	AN81-3860	
13/16	20,5	AN81-3861	
27/32	21,5	AN81-3862	
7/8	22	AN81-3863	
29/32	23	AN81-3864	
15/16	24	AN81-3865	
31/32	24,5	AN81-3866	
1	25,5	AN81-3867	

Dimension X Inches	mm.	Part Number	Holder Number
1 1/16	27	AN81-3868	Steel 81-309 Group 3 Stainless 81-297 Group 3
1 1/8	28,5	AN81-3869	
1 3/16	30	AN81-3870	
1 1/4	31,5	AN81-3871	
1 5/16	33,5	AN81-3872	Steel 81-309 Group 4 Stainless 81-297 Group 4
1 3/8	35	AN81-3873	
1 7/16	36,5	AN81-3874	
1 1/2	38	AN81-3875	
1 9/16	39,5	AN81-3876	
1 5/8	41,5	AN81-3877	
1 11/16	43	AN81-3878	Steel 81-309 Group 5 Stainless 81-297 Group 5
1 3/4	44,5	AN81-3879	
1 13/16	46	AN81-3880	
1 7/8	47,5	AN81-3881	Steel 81-309 Group 6 Stainless 81-297 Group 6
1 15/16	49	AN81-3882	
2	51	AN81-3883	
2 1/16	52	AN81-3884	
			Steel 81-309 Group 7 Stainless 81-297 Group 7
2 1/8	54	AN81-3885	
2 3/16	56	AN81-3886	

ORIFICE RINGS DOUBLE GOB for 7" Spout - 3" (76 mm) Centre Distance

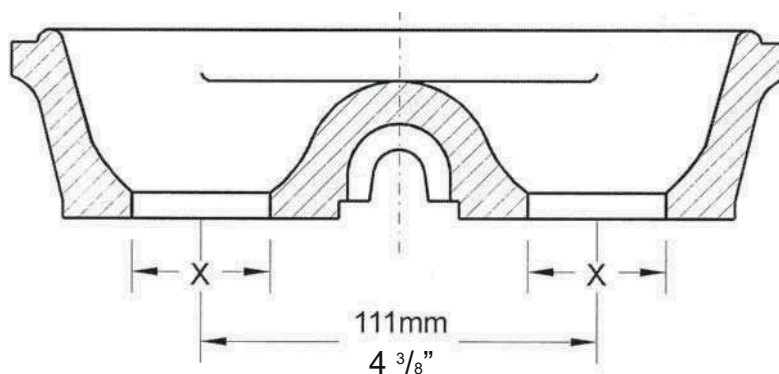


Dimension X Inches	mm.	Part Number	Holder Number
3/8	9,5	AN81-3815	194-74 Group 1
7/16	11	AN81-3816	
1/2	12,5	AN81-3817	
9/16	14,5	AN81-3818	
5/8	16	AN81-3819	
11/16	17,5	AN81-3820	194-74 Group 2
3/4	19	AN81-3821	
13/16	20,5	AN81-3822	
7/8	22	AN81-3823	
15/16	24	AN81-3824	
1	25,5	AN81-3825	194-74 Group 3
1 1/16	27	AN81-3826	
1 1/8	28,5	AN81-3827	
1 3/16	30	AN81-3828	
1 1/4	31,5	AN81-3829	

Dimension X Inches	mm.	Part Number	Holder Number
1 5/16	33,5	AN81-3830	194-74 Group 4
1 3/8	35	AN81-3831	
1 7/16	36,5	AN81-3832	
1 1/2	38	AN81-3833	
1 9/16	39,5	AN81-3834	
1 5/8	41,5	AN81-3835	194-74 Group 5
1 11/16	43	AN81-3836	
1 3/4	44,5	AN81-3837	
1 13/16	46	AN81-3838	194-74 Group 6
1 7/8	47,5	AN81-3839	
1 15/16	49	AN81-3840	
2	51	AN81-3841	
2 1/16	52	AN81-3842	
2 1/8	54	AN81-3843	

ORIFICE RINGS

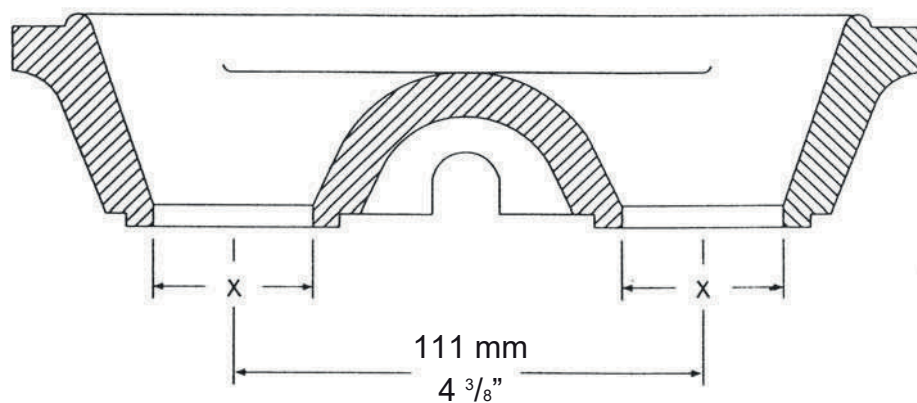
DOUBLE GOB for 7" Spout - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number	Dimension X Inches	mm.	Part Number	Holder Number
1/2	12,5	AN194-5588	194-141 Group 1 (holder n. 194-74 Group 9 is also compatible)	1 1/4	31,5	AN194-5600	194-141 Group 2 (holder n. 194-74 Group 14 is also compatible)
9/16	14,5	AN194-5589		1 5/16	33,5	AN194-5601	
5/8	16	AN194-5590		1 3/8	35	AN194-5602	
11/16	17,5	AN194-5591		1 7/16	36,5	AN194-5603	
3/4	19	AN194-5592		1 1/2	38	AN194-5604	
13/16	20,5	AN194-5593		1 9/16	39,5	AN194-5605	
7/8	22	AN194-5594		1 5/8	41,5	AN194-5606	
15/16	24	AN194-5595		1 11/16	43	AN194-5607	
1	25,5	AN194-5596		1 3/4	44,5	AN194-5608	
1 1/16	27	AN194-5597		1 13/16	46	AN194-5609	
1 1/8	28,5	AN194-5598		1 7/8	47,5	AN194-5610	
1 3/16	30	AN194-5599		1 15/16	49	AN194-5611	
				2	51	AN194-5612	
				2 1/16	52	AN194-5613	
				2 1/8	54	AN194-5614	
				2 3/16	56	AN194-5615	
				2 1/4	57	AN194-5616	
				2 5/16	59	AN194-5617	
				2 3/8	60	AN194-5618	
				2 7/16	62	AN194-5619	
				2 1/2	63	AN194-5620	
				2 9/16	65	AN164-5621	
				2 5/8	67	AN194-5622	194-141 Group 3 (holder n. 194-74 Group 15 is also compatible)
				2 11/16	68	AN194-5623	
				2 3/4	70	AN194-5624	
				2 13/16	71	AN194-5625	
				2 7/8	73	AN194-5626	
				2 15/16	75	AN194-5627	

ORIFICE RINGS

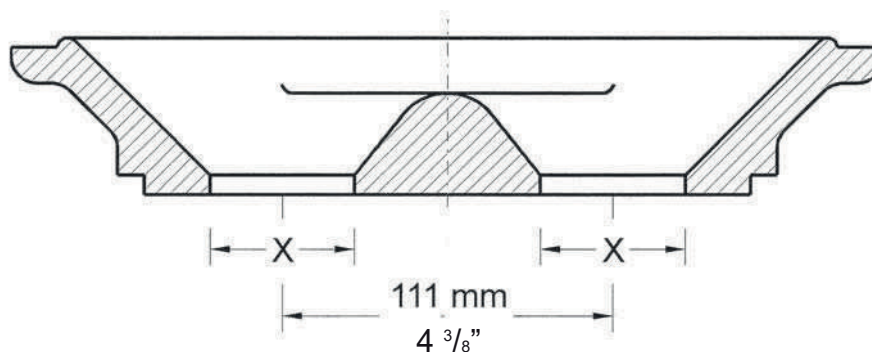
DOUBLE GOB for 7" Spout - 4 3/8" (111 mm) Centre Distance - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
1/2	12,5	AN194-5534	194-74 Group 8
9/16	14,5	AN194-5524	
5/8	16	AN194-5244	
11/16	17,5	AN194-5525	
3/4	19	AN194-5245	
13/16	20,5	AN194-5526	
7/8	22	AN194-5246	
15/16	24	AN194-5527	
1	25,5	AN194-5247	194-74 Group 9
1 1/6	27	AN194-5528	
1 1/8	28,5	AN194-5248	
1 3/16	30	AN194-5529	
1 1/4	31,5	AN194-5249	194-74 Group 10
1 5/16	33,5	AN194-5530	
1 3/8	35	AN194-5250	
1 7/16	36,5	AN194-5251	
1 1/2	38	AN194-5252	
1 9/16	39,5	AN194-5253	194-74 Group 11
1 5/8	41,5	AN194-5254	
1 11/16	43	AN194-5255	
1 3/4	44,5	AN194-5256	
1 13/16	46	AN194-5257	194-74 Group 12
1 7/8	47,5	AN194-5258	
1 15/16	49	AN194-5259	
2	51	AN194-5260	
2 1/16	52	AN194-5261	194-74 Group 13
2 1/8	54	AN194-5262	
2 3/16	56	AN194-5263	
2 1/4	57	AN194-5264	
2 5/16	59	AN194-5265	

Dimension X Inches	mm.	Part Number	Holder Number
2 3/8	60	AN194-5266	194-74 Group 14
2 7/16	62	AN194-5267	
2 1/2	63	AN194-5268	
2 9/16	65	AN194-5269	
2 5/8	67	AN194-5415	194-74 Group 15
2 11/16	68	AN194-5416	
2 3/4	70	AN194-5417	
2 13/16	71	AN194-5418	
2 7/8	73	AN194-5531	
2 15/16	75	AN194-5532	

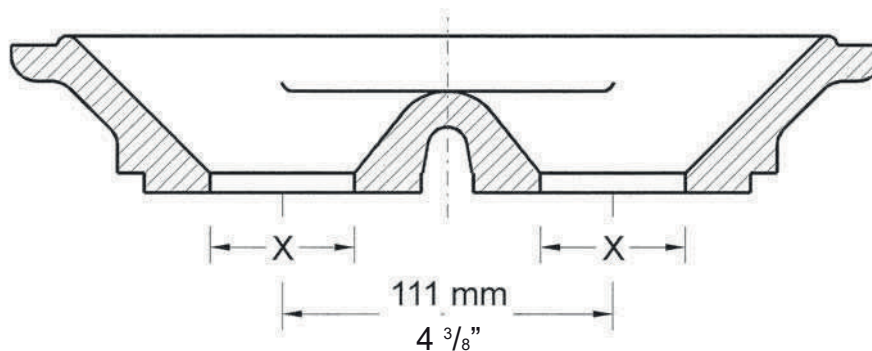
ORIFICE RINGS - DOUBLE GOB for 7" Spout DOUBLE GOB for 7" Spout Solid Bridge Type - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
1/2	12,5	AN194-5687	194-141 Group 1 (or 194-74-9) modified with cooling pipe removed
9/16	14,5	AN194-5688	
5/8	16	AN194-5689	
11/16	17,5	AN194-5690	
3/4	19	AN194-5691	
13/16	20,5	AN194-5692	
7/8	22	AN194-5693	
15/16	24	AN194-5694	
1	25,5	AN194-5695	
1 1/16	27	AN194-5696	
1 1/8	28,5	AN194-5697	194-141 Group 2 (or 194-74-14) modified with cooling pipe removed
1 3/16	30	AN194-5698	
1 1/4	31,5	AN194-5699	
1 5/16	33,5	AN194-5700	
1 3/8	35	AN194-5701	
1 7/16	36,5	AN194-5702	
1 1/2	38	AN194-5703	
1 9/16	39,5	AN194-5704	
1 5/8	41,5	AN194-5705	
1 11/16	43	AN194-5706	
1 3/4	44,5	AN194-5707	
1 13/16	46	AN194-5708	
1 7/8	47,5	AN194-5709	
1 15/16	49	AN194-5710	
2	51	AN194-5711	
2 1/16	52	AN194-5712	
2 1/8	54	AN194-5713	
2 3/16	56	AN194-5714	
2 1/4	57	AN194-5714	
2 5/16	59	AN194-5716	
2 3/8	60	AN194-5717	
2 7/16	62	AN194-5718	
2 1/2	63	AN194-5719	
2 9/16	65	AN194-5720	
2 5/8	67	AN194-5721	194-141 Group 3 (or 194-74-15) modified with cooling pipe removed
2 11/16	68	AN194-5722	
2 3/4	70	AN194-5723	
2 13/16	71	AN194-5724	
2 7/8	73	AN194-5725	
2 15/16	75	AN194-5726	

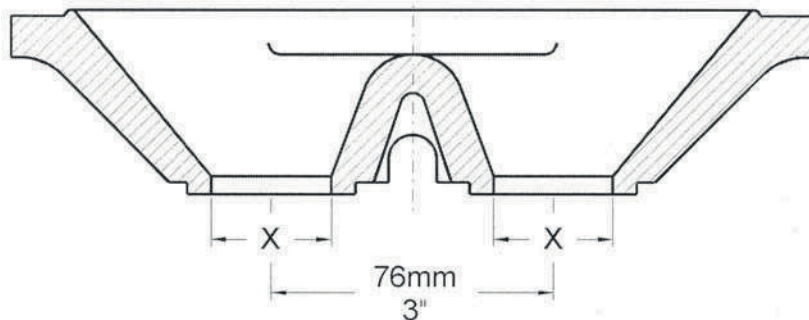
ORIFICE RINGS

DOUBLE GOB for 7" Spout - 4 3/8" (111 mm) Centre Distance



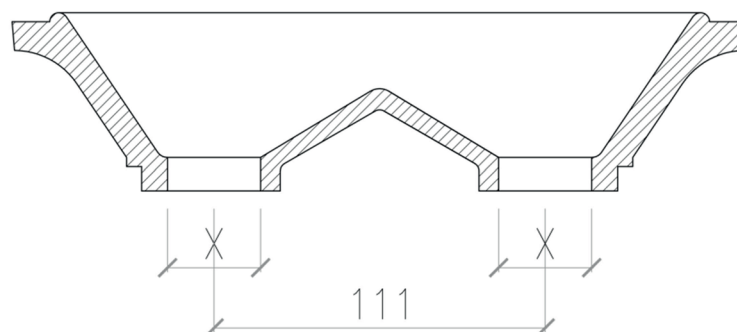
Dimension X Inches	mm.	Part Number	Holder Number
3/4	19	AN115-796	81-272
7/8	22	AN115-797	Group 17
1	25,5	AN115-798	
1 1/8	28,5	AN115-799	81-272
1 1/4	31,5	AN115-800	Group 18
1 3/8	35	AN115-801	
1 7/16	36,5	AN115-802	81-272
1 1/2	38	AN115-803	Group 19
1 9/16	39,5	AN115-804	
1 5/8	41,5	AN115-805	
1 11/16	43	AN115-806	81-272
1 3/4	44,5	AN115-807	Group 20
1 13/16	46	AN115-808	
1 7/8	47,5	AN115-571	
1 15/16	49	AN115-572	81-272
2	51	AN115-573	Group 21
2 1/16	52	AN115-574	
2 1/8	54	AN115-575	
2 3/16	56	AN115-576	81-272
2 1/4	57	AN115-577	Group 22
2 5/16	59	AN115-588	
2 3/8	60	AN115-589	
2 7/16	62	AN115-590	81-272
2 1/2	63	AN115-591	Group 23
2 9/16	65	AN115-592	

ORIFICE RINGS DOUBLE GOB for 7" Spout - 3" (76 mm) Centre Distance



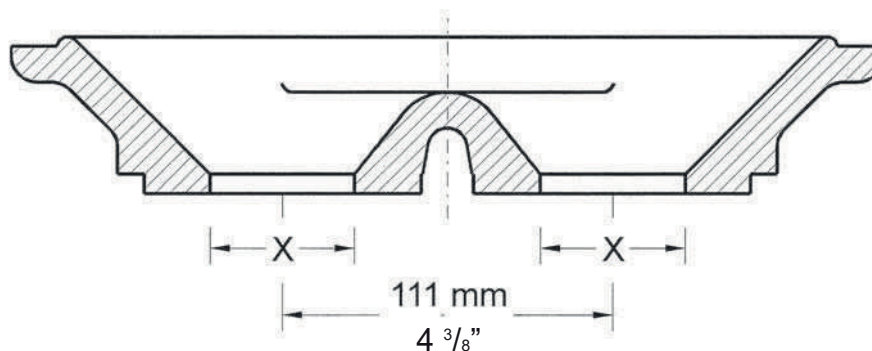
Dimension X Inches	mm.	Part Number	Holder Number
3/8	9,5	AN81-3437	81-272 Group 3
3/8	9,5	AN81-3438	
1/2	12,5	AN81-3439	
9/16	14,5	AN81-3440	
5/8	16	AN81-3441	
11/16	17,5	AN81-3442	
3/4	19	AN81-3443	
13/16	20,5	AN81-3444	81-272 Group 4
7/8	22	AN81-3445	
15/16	24	AN81-3446	
1	25,5	AN81-3447	
1 1/16	27	AN81-3448	
1 1/8	28,5	AN81-3449	81-272 Group 5
1 3/16	30	AN81-3450	
1 1/4	31,5	AN81-3451	
1 5/16	33,5	AN81-3452	
1 3/8	35	AN81-3453	
1 7/16	36,5	AN81-3454	81-272 Group 6
1 1/2	38	AN81-3455	
1 9/16	39,5	AN81-3456	
1 5/8	41,5	AN81-3457	
1 11/16	43	AN81-3458	81-272 Group 13
1 3/4	44,5	AN81-3459	
1 13/16	46	AN81-3460	
1 7/8	47,5	AN81-3461	81-272 Group 11
1 15/16	49	AN81-3462	
2	51	AN81-3463	
2 1/16	52	AN81-3472	
2 1/8	54	AN81-3473	81-272 Group 15
2 3/16	56	AN81-3474	
2 1/4	57	AN81-3475	

ORIFICE RINGS DOUBLE GOB for 8" Spout - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number	Dimension X Inches	mm.	Part Number	Holder Number
3/4	19	AN144-21818		1 13/16	46	AN81-4986	
13/16	21	AN144-21819		1 7/8	48	AN81-4987	
7/8	22	AN144-21820		1 15/16	49	AN81-4988	
15/16	24	AN144-21821		2	51	AN81-4989	
1	25	AN144-21822		2 1/16	52	AN81-4990	
1 1/16	27	AN144-21823		2 1/8	54	AN81-4991	
1 1/8	29	AN144-21824		2 3/16	56	AN81-4992	
1 3/16	30	AN144-21825		2 1/4	57	AN81-4993	
1 1/4	32	AN144-21826		2 5/16	59	AN81-4994	
1 5/16	33	AN144-21827		2 3/8	60	AN81-4995	
1 3/8	35	AN144-21828		2 7/16	62	AN81-4996	
1 7/16	37	AN144-21829		2 1/2	64	AN81-4997	
1 1/2	38	AN144-21832		2 9/16	65	AN81-4998	
1 9/16	40	AN144-21833		2 5/8	67	AN81-4999	
1 5/8	41	AN144-21834		2 3/4	70	AN81-5000	
1/2	13	AN81-4959		2 13/16	71	AN81-5001	
9/16	14	AN81-4960		2 15/16	75	AN81-5002	
5/8	16	AN81-4961					
11/16	17	AN81-4962					
3/4	19	AN81-4963					
13/16	21	AN81-4964					
7/8	22	AN81-4965					
15/16	24	AN81-4966					
1	25	AN81-4967					
1 1/16	27	AN81-4968					
1 1/8	29	AN81-4969					
1 3/16	30	AN81-4970					
1 1/4	32	AN81-4971					
1 5/16	33	AN81-4972					
1 3/8	35	AN81-4973					
1 7/16	37	AN81-4974					
1 1/2	38	AN81-4975					
1 9/16	40	AN81-4976					
1 5/8	41	AN81-4977					
1 3/4	44	AN81-4978					

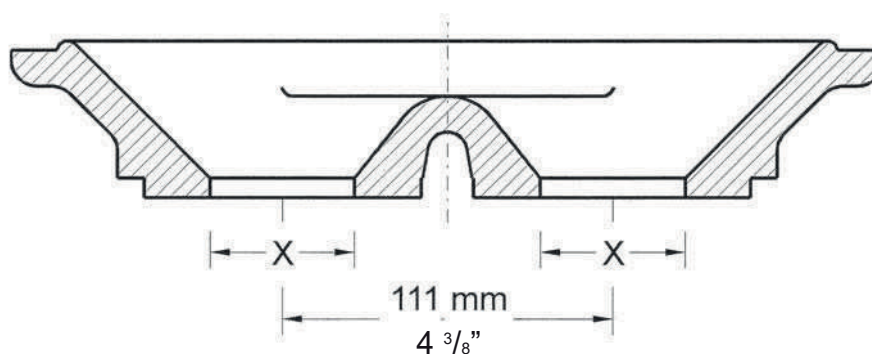
ORIFICE RINGS DOUBLE GOB for 10" Spout - 4 3/8 (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
7/8	22	AN501-9330	503-114 Group 1
1	25	AN503-6255	
1 1/16	27	AN503-6256	
1 1/8	29	AN503-6257	
1 3/16	30	AN503-6258	
1 1/4	31,5	AN503-5766	
1 5/16	33,5	AN503-5765	
1 3/8	35	AN503-5764	
1 7/16	36,5	AN503-5751	
1 1/2	38	AN503-5750	
1 9/16	39,5	AN503-5749	
1 5/8	41,5	AN503-5748	
1 11/16	43	AN503-5747	
1 3/4	44,5	AN503-5746	
1 13/16	46	AN503-5745	
1 7/8	47,5	AN503-5743	
1 15/16	49	AN503-5742	
2	51	AN503-5735	
2 1/16	52	AN503-5734	
2 1/8	54	AN503-5733	
2 3/16	56	AN503-5732	
2 1/4	57	AN503-5731	
2 5/16	59	AN503-5730	
2 3/8	60	AN503-5729	
2 7/16	62	AN503-5728	
2 1/2	63	AN503-5727	
2 9/16	65	AN503-5726	
2 5/8	67	AN503-5719	
2 11/16	68	AN503-5720	
2 3/4	70	AN503-5721	
2 13/16	71	AN503-5722	
2 7/8	73	AN503-5723	
2 15/16	75	AN503-5724	
3	76	AN503-5725	503-130 Group 4
3 1/16	78	AN503-5793	
3 1/8	79	AN503-5794	
3 1/4	83	AN503-5795	
3 3/8	86	AN503-5796	

ORIFICE RINGS

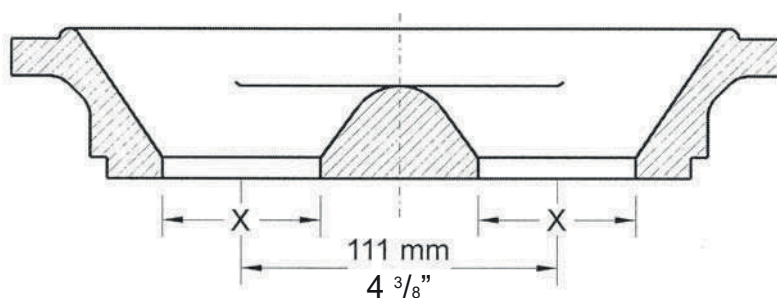
DOUBLE GOB for 10" Spout - 4 3/8" (111 mm) Centre Distance - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
1 7/16	36,5	AN503-5707	503-93 Group 1
1 1/2	38	AN503-5647	
1 9/16	39,5	AN503-5648	
1 5/8	41,5	AN503-5649	
1 11/16	43	AN503-5650	
1 3/4	44,5	AN503-5578	
1 13/16	46	AN503-5579	
1 7/8	47,5	AN503-5580	
1 15/16	49	AN503-5581	
2	51	AN503-5582	
2 1/16	52	AN503-5583	
2 1/8	54	AN503-5584	
2 3/16	56	AN503-5586	
2 1/4	57	AN503-5587	503-93 Group 2
2 5/16	59	AN503-5588	
2 3/8	60	AN503-5589	
2 7/16	62	AN503-5590	
2 1/2	63	AN503-5591	
2 9/16	65	AN503-5592	
2 5/8	67	AN503-5699	
2 11/16	68	AN503-5700	503-93 Group 3
2 3/4	70	AN503-5701	
2 13/16	71	AN503-5702	
2 7/8	73	AN503-5703	
2 15/16	75	AN503-5704	
3	76	AN503-5705	

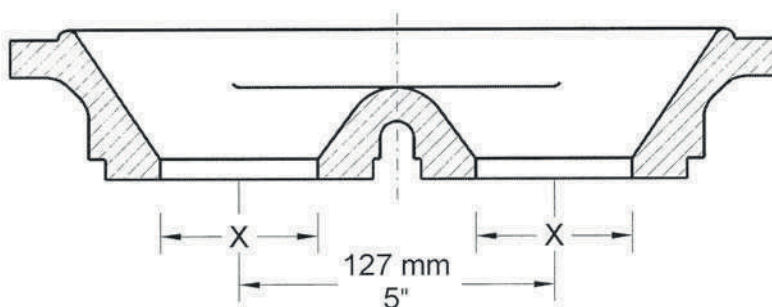
ORIFICE RINGS

DOUBLE GOB for 10" Spout Solid Bridge Type - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
7/8	22	AN501-9109	555-2547
1	25.5	AN503-6574	
1 1/16	27	AN503-6575	
1 1/8	28.5	AN503-6576	
1 3/16	30	AN503-6577	
1 1/4	31.5	AN503-6578	
1 5/16	33.5	AN503-6579	
1 3/8	35	AN503-6580	
1 7/16	36.5	AN503-6581	
1 1/2	38	AN503-6582	
1 9/16	39.5	AN503-6583	
1 5/8	41.5	AN503-6584	
1 11/16	43	AN503-6585	
1 3/4	44.5	AN503-6586	
1 13/16	46	AN503-6587	
1 7/8	47.5	AN503-6588	
1 15/16	49	AN503-6589	
2	51	AN503-6590	
2 1/16	52	AN503-6591	
2 1/8	54	AN503-6592	
2 3/16	56	AN503-6593	
2 1/4	57	AN503-6594	
2 5/16	59	AN503-6595	
2 3/8	60	AN503-6596	
2 7/16	62	AN503-6597	
2 1/2	63	AN503-6598	
2 9/16	65	AN503-6599	
2 5/8	67	AN503-6600	
2 11/16	68	AN503-6601	
2 3/4	70	AN503-6602	
2 13/16	71	AN503-6603	
2 7/8	73	AN503-6604	
2 15/16	75	AN503-6605	
3	76	AN503-6606	
3 1/16	78	AN503-6607	
3 1/8	79	AN503-6608	
3 1/4	83	AN503-6609	
-3 3/8	86	AN503-6610	

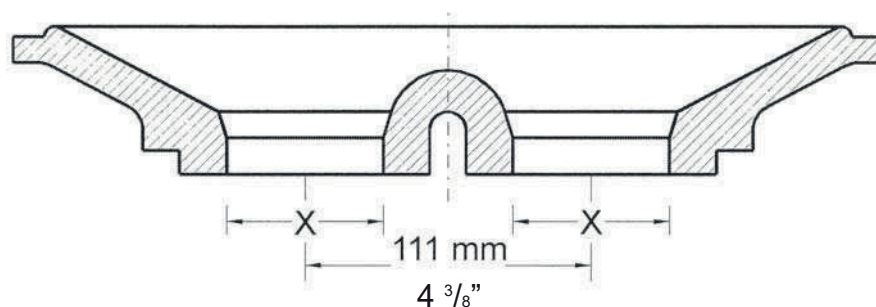
ORIFICE RINGS DOUBLE GOB for 10" Spout - 5" (127 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
1 1/4	31,5	AN515-6152	515-11 Group 1
1 5/16	33,5	AN515-6153	
1 3/8	35	AN515-6154	
1 7/16	36,5	AN515-6155	
1 1/2	38	AN515-6156	
1 9/16	39,5	AN515-6157	
1 5/8	41,5	AN515-6158	
1 11/16	43	AN515-6159	
1 3/4	44,5	AN515-5081	
1 13/16	46	AN515-5082	
1 7/8	47,5	AN515-5083	
1 15/16	49	AN515-5084	
2	51	AN515-5085	
2 1/16	52	AN515-5086	
2 1/8	54	AN515-5087	
2 3/16	56	AN515-5088	
2 1/4	57	AN515-5089	
2 5/16	59	AN515-5090	
2 3/8	60	AN515-5091	
2 7/16	62	AN515-5137	
2 1/2	63	AN515-5008	
2 9/16	65	AN515-5009	
2 5/8	67	AN515-5010	
2 11/16	68	AN515-5011	
2 3/4	70	AN515-5012	
2 13/16	71	AN515-5013	
2 7/8	73	AN515-5014	
2 15/16	75	AN515-5015	
3	76	AN515-5016	
3 1/16	78	AN515-5017	
3 1/8	79	AN515-5018	
3 3/16	81	AN515-5019	
3 1/4	83	AN515-5020	
3 5/16	84	AN515-5021	
3 3/8	86	AN515-5022	
3 7/16	87	AN515-5023	
3 1/2	89	AN515-5024	
3 9/16	90	AN515-5025	
3 5/8	92	AN515-5026	
3 11/16	93	AN515-5027	
3 3/4	95	AN515-5028	

ORIFICE RINGS

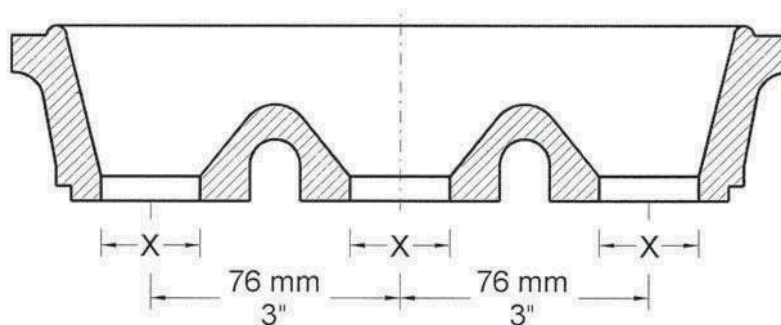
DOUBLE GOB for 12" Spout - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
2 1/16	52	AN515-6097	515-E-212
2 1/8	54	AN515-6061	
2 3/16	56	AN515-6060	
2 1/4	57	AN515-6059	
2 5/16	59	AN515-6058	
2 3/8	60	AN515-6057	
2 7/16	62	AN515-6056	
2 1/2	63	AN515-6055	
2 9/16	65	AN515-6054	
2 5/8	67	AN515-6053	
2 11/16	68	AN515-6052	
2 3/4	70	AN515-6051	

ORIFICE RINGS

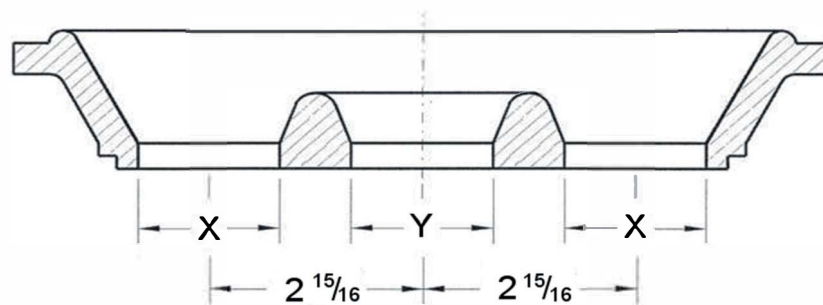
TRIPLE GOB for 8" Spout - 3" (76 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
3/8	9,5	AN144-15093	144-21568 Group 1
7/16	11	AN144-15094	
1/2	12,5	AN144-15095	
9/16	14,5	AN144-15096	
5/8	16	AN144-15097	
11/16	17,5	AN144-15098	
3/4	19	AN144-15099	
13/16	20,5	AN144-15100	
7/8	22	AN144-15101	
15/16	24	AN81-6331	144-21568 Group 2
1	25,5	AN81-6332	
1 1/16	27	AN81-6333	
1 1/8	28,5	AN81-6334	
1 3/16	30	AN81-6335	
1 1/4	31,5	AN81-6336	
1 5/16	33,5	AN81-6337	
1 3/8	35	AN81-6338	
1 7/16	36,5	AN81-6339	
1 1/2	38	AN81-6329	

ORIFICE RINGS

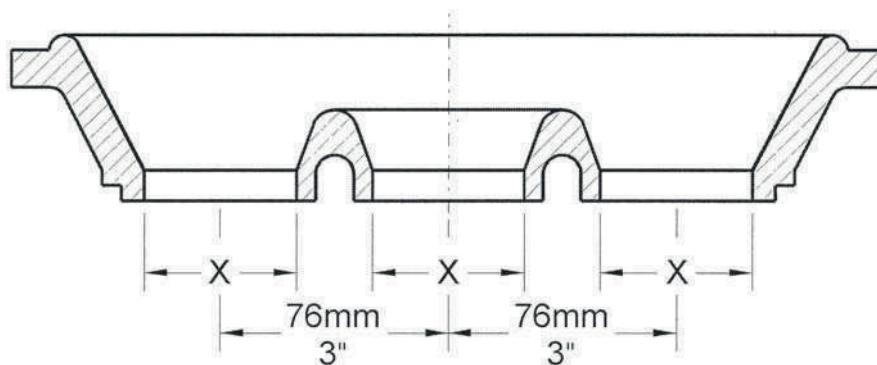
TRIPLE GOB for 10" Spout Solid Bridge Type – 2 15/16 (75 mm) Centre Distance



Diameter X Inches	mm	Diameter Y Inches	mm	Part Number	Holder Number
1 5/16	33,5	1 5/16	33,5	AN501-6438	
1 9/16	39,5	1 9/16	39,5	AN501-6430	
1 5/8	41,5	1 5/8	41,5	AN501-6431	
1 11/16	43	1 11/16	43	AN501-6432	
1 3/4	44,5	1 3/4	44,5	AN501-6433	
1 13/16	46	1 13/16	46	AN501-6434	
1 3/8	35	1 3/8	35	AN501-6526	
1 7/16	36,5	1 7/16	36,5	AN501-6527	
1 15/16	49	1 15/16	49	AN501-9047	
2 1/8	54	2 1/8	54	AN501-9141	
1 5/8	41,5	1 9/16	39,5	AN501-6436	
1 9/16	39,5	1 1/2	38	AN501-6437	
1 3/4	44,5	1 5/8	41,5	AN501-6440	
1 3/4	44,5	1 11/16	43	AN501-9000	
1 3/8	35	1 5/16	33,5	AN501-6502	
1 11/16	43	1 5/8	41,5	AN501-9023	
1 13/16	46	1 3/4	44,5	AN501-9066	
1 7/8	47,5	1 13/16	46	AN501-9067	

ORIFICE RINGS

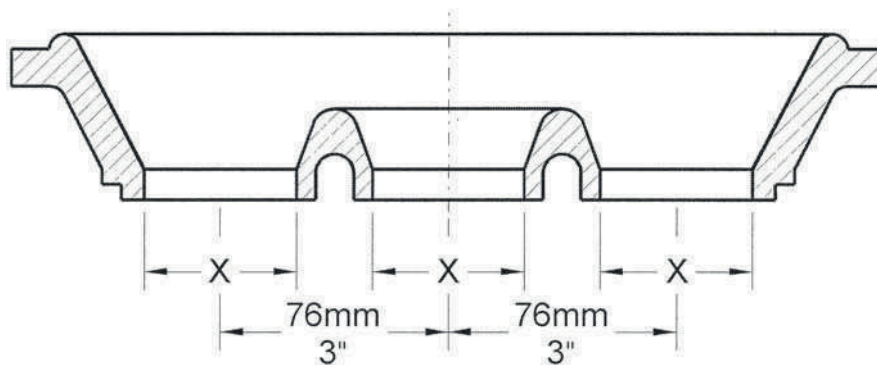
TRIPLE GOB for 10" Spout - 3" (76 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
1 1/4	31,5	AN503-5860	503-130 Group 3
1 5/16	33,5	AN503-5861	
1 3/8	35	AN503-5862	
1 7/16	36,5	AN503-5863	
1 1/2	38	AN503-5864	
1 9/16	39,5	AN503-5865	
1 5/8	41,5	AN503-5866	
1 11/16	43	AN503-5867	
1 3/4	44,5	AN503-5868	
1 13/16	46	AN503-5869	
1 7/8	47,5	AN503-5870	
1 15/16	49	AN503-5871	
2	51	AN503-5872	
2 1/16	52	AN503-5851	
2 1/8	54	AN503-5852	
2 3/16	56	AN503-5853	
2 1/4	57	AN503-5854	

ORIFICE RINGS

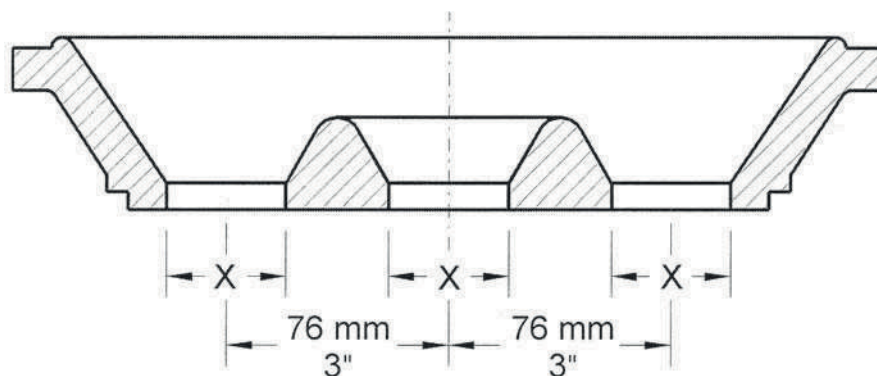
TRIPLE GOB for 10" Spout - 3" (76 mm) Centre Distance - Old Design



Dimension X Inches	mm.	Part Number	Holder Number
1 1/4	31,5	AN503-5640	503-47 Group 1
1 5/16	33,5	AN503-5641	
1 3/8	35	AN503-5642	
1 7/16	36,5	AN503-5643	
1 1/2	38	AN503-5443	
1 9/16	39,5	AN503-5444	
1 5/8	41,5	AN503-5445	
1 11/16	43	AN503-5446	
1 3/4	44,5	AN503-5365	
1 13/16	46	AN503-5366	
1 7/8	47,5	AN503-5367	
1 15/16	49	AN503-5447	
2	51	AN503-5448	

ORIFICE RINGS

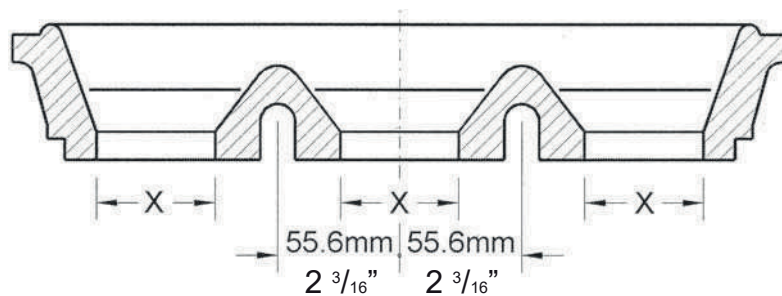
TRIPLE GOB for 10" Spout Solid Bridge Type - 3" (76 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
1 1/4	31,5	AN503-6478	503-223 Group 3
1 5/16	33,5	AN503-6479	
1 3/8	35	AN503-6480	
1 7/16	36,5	AN503-6481	
1 1/2	38	AN503-6482	
1 9/16	39,5	AN503-6483	
1 5/8	41,5	AN503-6484	
1 11/16	43	AN503-6485	
1 3/4	44,5	AN503-6486	
1 13/16	46	AN503-6487	
1 7/8	47,5	AN503-6488	
115/16	49	AN503-6489	
2	51	AN503-6490	
2 1/16	52	AN503-6491	
2 1/8	54	AN503-6492	
2 3/16	56	AN503-6493	
2 1/4	57	AN503-6494	

ORIFICE RINGS

TRIPLE GOB for 12" Spout - 4 3/8" (111 mm) Centre Distance



Dimension X Inches	mm.	Part Number	Holder Number
1 11/16	43	AN515-6014	515-E-211 Group 1
1 3/4	44,5	AN515-6013	
1 13/16	46	AN515-6012	
1 7/8	47,5	AN515-6011	
1 15/16	49	AN515-6010	
2	51	AN515-6009	
2 1/16	52	AN515-6008	
2 1/8	54	AN515-6007	
2 3/16	56	AN515-6006	
2 1/4	57	AN515-6005	
2 5/16	59	AN515-6004	
2 3/8	60	AN515-6003	
2 7/16	62	AN515-6002	
2 1/2	63	AN515-6001	

Notes

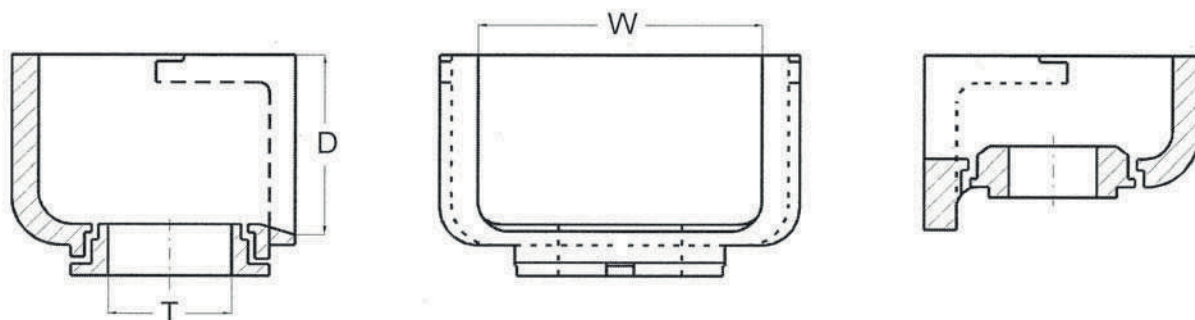
Feeder	Tube	Spout Burner RH	Spout burner LH	Spout burner Centre	Spout burner Centre	Spout cover Front	Spout cover Rear	Spout cover Insulation front	Spout cover Insulation rear
144	5"	BB144-13095	BB144-13094	BB144-13096		SC144-5031	SC144-5023	SC144-5027 2 pieces required	
	6"	BB144-13095	BB144-13094	BB144-13096		SC144-12432	SC144-12430	SC144-12431	
	7"	BB144-13095	BB144-13094	BB144-13096		SC144-14139	SC144-14140		
	8"	BB144-13095	BB144-13094	BB144-13096		SC144-15086	SC144-15085		
81-16" wide	6" revolving	BB81-2652	BB81-2653	BB81-2654		SC81-3812	SC81-3811		
	7" revolving	BB81-2652	BB81-2653	BB81-2654		SC194-5006	SC81-3813		
	8" revolving	BB81-2652	BB81-2653	BB81-2654		SC81-6214	SC81-6217		
	10" revolving	BB81-2652	BB81-2653	BB81-2654		SC81-6215	SC81-6219		
	6" stationary	BB81-2652	BB81-2653	BB81-2654		SC81-1999	SC81-1998		
	7" stationary	BB81-2652	BB81-2653	BB81-2654		SC81-3433	SC81-3434		
81-18" wide	7" revolving	BB81-4034	BB81-4033	BB81-4032		SC194-5006	SC194-5578(baffle) SC194-5005 (plain)		
	8" revolving	BB81-4034	BB81-4033	BB81-4032		SC81-6214	SC83 (baffle) SC81-6218 (plain)		
	10" revolving	BB81-4034	BB81-4033	BB81-4032		SC81-6215	SC87 (baffle) SC81-6220 (plain)		
	7" stationary	BB81-4034	BB81-4033	BB81-4032		SC81-4035	SC81-4173 (baffle) SC81-4036 (plain)		
194	7" revolving	BB194-5008	BB194-5010	BB194-5009		SC194-5006	SC194-5578 (baffle) SC194-5005 (plain)		
115	7" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC115-2038 2 pieces required	SC92(baffle) SC115-2042 (plain)		
	8" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC115-2039 2 pieces required	SC88 (baffle) SC115-2041 (plain)		
	10" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC115-2037 2 pieces required	SC503-5873 (baffle) SC115-2040 (plain)		
	7" stationary	BB58-2364	BB58-2365	BB115-520	BB115-521	SC115-511 2 pieces required	SC115-933 (baffle) SC115-506 (plain)		
503-22" wide	7" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC503-5391 2 pieces required	SC503-5899 (baffle) SC503-5392 (plain)		
	8" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC503-6118 2 pieces required	SC503-6120 (baffle) SC503-6119 (plain)		
	10" revolving	BB58-2364	BB58-2365	BB115-520	BB115-521	SC503-5134 2 pieces required	SC503-5873 (baffle) SC503-5135 (plain)		

Feeder	Tube	Spout Burner RH	Spout burner LH	Spout burner Centre RH	Spout burner Centre LH	Spout cover Front	Spout cover Rear	Spout cover Insulation front	Spout cover Insulation rear
	8" stationary	BB58-2364	BB58-2365	BB115-520	BB115-521	SC503-6617 2 pieces required	SC503-6618 (baffle) SC503-6635 (plain)		
	10" stationary	BB58-2364	BB58-2365	BB115-520	BB115-521	SC503-5940 2 pieces required	SC503-5939 (baffle) SC503-6568 (baffle)		
503 feeder with 515 spout	10" revolving	BB515-5004	BB515-5005	BB515-5002	BB515-5003	SC503-5134 2 pieces required	SC503-5873 (baffle) SC503-5135 (plain)		
	11" revolving	BB515-5004	BB515-5005	BB515-5002	BB515-5003	SC113-745 2 pieces required	SC113-746 (plain) SC515-5145 (baffle)		
515	11" revolving	BB515-5004	BB515-5005	BB515-5002	BB515-5003	SC113-745 2 pieces required	SC515-5145 (baffle) SC515-5142 (plain)		
	12" revolving	BB515-5004	BB515-5005	BB515-5002	BB515-5003	SC515-6066 2 pieces required	SC515-6067 (plain) SC515-5142(baffle)		
555 feeder with 81 spout 14" wide	5" stationary	BB81-4524	BB81-4526	BB81-4525		SC81-4550	SC81-4558	SC81-4546 (3pcs)	SC81-4554(3 pcs)
	6" stationary	BB81-4524	BB81-4526	BB81-4525		SC81-4551	SC81-4559	SC81-4547 (3 pcs)	SC81-4559
555 feeder with 81 spout 18" wide	5" revolving	BB81-4544	BB81-4543	BB81-4545		SC81-4550	SC81-4558	SC81-4546 (3pcs)	SC81-4554(3pcs)
	6" revolving	BB81-4544	BB81-4543	BB81-4545		SC81-4551	SC81-4559	SC81-4547 (3pcs)	SC81-4555(3pcs)
	7" revolving	BB81-4544	BB81-4543	BB81-4545		SC81-4552	SC81-4560	SC81-4548 (3pcs)	SC81-4556(3pcs)
	8" revolving	BB81-4544	BB81-4543	BB81-4545		SC81-4553	SC81-4561	SC81-4549(3pcs)	SC81-4557(3pcs)
555 feeder with 503 spout	7" revolving	BB555-1244	BB555-1245	BB555-1243		SC555-1670 2 pieces required	SC555-1666	SC555-1668 6 pieces required	SC555-1672 3 pieces required
	8" revolving	BB555-1244	BB555-1245	BB555-1243		SC555-1669 2 pieces required	SC555-1665	SC555-1667 6 pieces required	SC555-1671 3 pieces required
	10" revolving	BB555-1244	BB555-1245	BB555-1243		SC555-1246 2 pieces required	SC555-1247	SC555-1283 6 pieces required	SC555-1288 3 pieces required
	11" revolving	BB555-1244	BB555-1245	BB555-1243		SC555-1820 2 pieces required	SC555-1819	SC555-1283 6 pieces required	SC555-1288 3 pieces required
555 feeder with 515 spout	10" revolving	BB555-1784	BB555-1782	BB555-1783		SC555-1246 2 pieces required	SC555-1247	SC555-1283 6 pieces required	SC555-1288 3 pieces required
	11" revolving	BB555-1784	BB555-1782	BB555-1783		SC555-1820 2 pieces required	SC555-1819	SC555-1283 6 pieces required	SC555-1288 3 pieces required



Notes

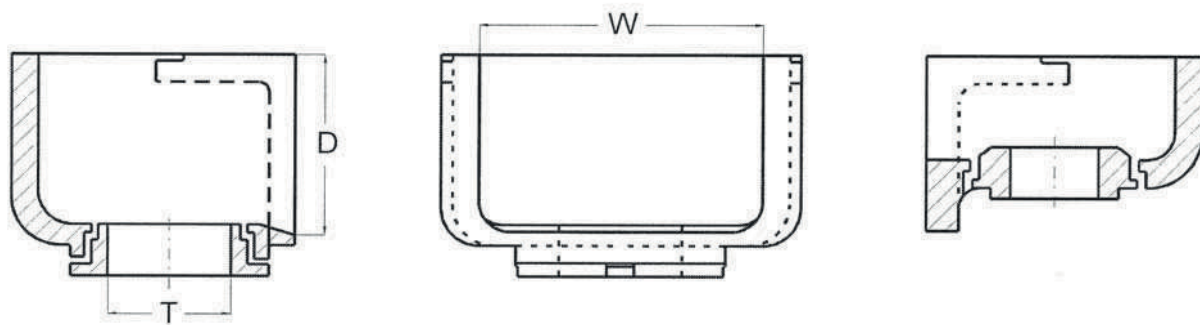
SPOUTS



Feeder	Spout Part Number	Throat (T)	Depth (D)	Width (W)	Tube seat
144 standard	VA144-704	5" (127mm)	6" (152mm)	14"(356mm)	raised
144 standard	VA144-14178	5" (127mm)	6" (152mm)	14"(356mm)	raised
144 standard	VA144-14179	5" (127mm)	6" (152mm)	14"(356mm)	flat
144 standard	VA144-15145	7 3/4" (197mm)	6" (152mm)	14"(356mm)	flat
144 deep	VA29-890	5" (127mm)	10" (254mm)	14"(356mm)	raised
144 deep	VA29-600	5" (127mm)	10" (254mm)	14"(356mm)	flat
144 deep	VA144-14180	6/5" (152/127mm)	10" (254mm)	14"(356mm)	raised
144 deep	VA144-14177	6/5" (152/127mm)	10" (254mm)	14"(356mm)	flat
144 deep	VA144-15030	7" (178mm)	10" (254mm)	16"(406mm)	flat
81 standard	VA81-3795	7" (178mm)	7 1/4" (184mm)	16 "(406mm)	flat
81 standard	VA81-3793	6/5" (152/127mm)	7 1/4" (184mm)	16 "(406mm)	raised
81 standard	VA81-4444	8/7" (203/178mm)	7 1/4" (184mm)	16 "(406mm)	flat
81 standard	VA81-6362	7" (178mm)	7 1/4" (184mm)	18 "(457mm)	flat
81 standard	VA81-4487	8" (203mm)	7 1/4" (184mm)	18 "(457mm)	flat
81 deep	VA81-3907	6/5" (152/127mm)	9 1/2" (241mm)	16" (406mm)	raised
81 deep	VA81-3794	6/5" (152/127mm)	9 1/2" (241mm)	16" (406mm)	flat
81 deep	VA81-4646	6/5" (152/127mm)	10" (254mm)	18" (457mm)	raised
81 deep	VA81-3908	7" (178mm)	9 1/2" (241mm)	16" (406mm)	raised
81 deep	VA81-3792	7" (178mm)	9 1/2" (241mm)	16" (406mm)	flat
81 deep	VA81-4381	8/7" (203/178mm)	9 1/2" (241mm)	16" (406mm)	flat
81 deep	VA81-4571	6/5" (152/127mm)	9 5/16 (236mm)	16" (406mm)	flat
81 deep	VA81-4015	7" (178mm)	10" (254mm)	18" (457mm)	flat
81 deep	VA81-6342	8" (203mm)	10" (254mm)	18" (457mm)	flat
81 deep	VA81-4342	8/7" (203/178mm)	10" (254mm)	18" (457mm)	flat
81 deep	VA81-4094	9" (229mm)	10" (254mm)	18" (457mm)	flat
194 standard	VA194-5224	7" (178mm)	7 1/4" (184mm)	18"(457mm)	flat
194 standard	VA81-6341	8" (203mm)	7 1/4" (184mm)	18"(457mm)	flat
194 deep	VA194-5223	7" (178mm)	10" (254mm)	18"(457mm)	flat
194 deep	VA194-6223	7" (178mm)	10" (254mm)	18"(457mm)	flat
194 deep	VA194-5636	8/7" (203/178mm)	10" (254mm)	18"(457mm)	flat
113 standard	VA58-1939	7" (178mm)	10" (254mm)	20" (508mm)	raised
113 deep	VA113-669	9/7"(229/178mm)	13" (330mm)	20" (508mm)	raised
113 deep	VA113-549	9/7"(229/178mm)	13" (330mm)	20" (508mm)	flat
115	VA115-524	7" (178mm)	11 5/16" (287mm)	22" (559mm)	raised
115	VA115-870	7" (178mm)	11 5/16" (287mm)	22" (559mm)	flat
115	VA115-888	7/5" (178/127mm)	11 5/16" (287mm)	22" (559mm)	flat

Note: showed dwg are indicative. we reserve according to the quality chosen to decide if spout will be with insert or not.

SPOUTS

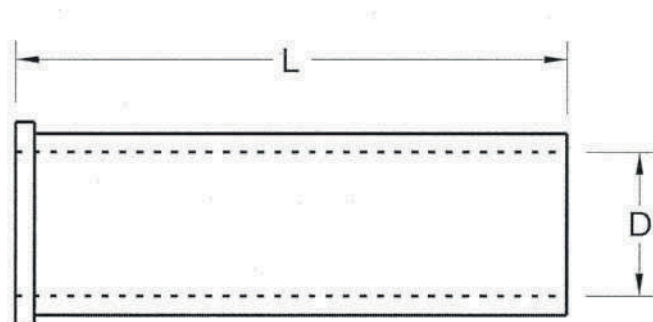


Feeder	Spout Part Number	Throat (T)	Depth (D)	Width (W)	Tube seat
503 standard	VA503-6231	10" (254mm)	7 1/4" (184mm)	22" (559mm)	flat
503 deep	VA503-5400	7" (178mm)	11 5/16" (287mm)	22" (559mm)	flat
503 deep	VA503-5963	8/7" (203/178mm)	11 5/16" (287mm)	22" (559mm)	flat
503 deep	VA503-6616	8/7" (203/178mm)	11 5/16" (287mm)	22" (559mm)	flat
503 depp	VA503-5080	10" (254mm)	11 5/16" (287mm)	22" (559mm)	flat
503 deep	VA503-3845	10" (254mm)	11 5/16" (287mm)	22" (559mm)	flat
503 deep	VA503-5938	10" (254mm)	11 5/16" (287mm)	22" (559mm)	flat
503 deep	VA501-6210	11/10" (279/254mm)	11 5/16" (287mm)	22" (559mm)	flat
515	VA515-5133	10" (254mm)	11 5/16" (287mm)	24" (610mm)	flat
515	VA515-5139	12" (305mm)	11 5/16" (287mm)	24" (610mm)	flat
515	VA515-5164	8/7" (203/178mm)	13" (330mm)	22" (559mm)	flat
515	VA515-6149	11/10" (279/254mm)	13" (330mm)	24" (610mm)	flat
515	VA515-6150	10" (254mm)	13" (330mm)	24" (610mm)	flat
515	VA515-6105	12" (305mm)	13" (330mm)	24" (610mm)	flat
81/555 standard	VA81-4522	5" (127mm)	7 1/4" (184mm)	14" (356mm)	flat
81/555 standard	VA81-4523	6/5" (152/127mm)	7 1/4" (184mm)	14" (356mm)	flat
81/555 standard	VA81-4660	8" (203mm)	7 1/4" (184mm)	14" (356mm)	flat
81/555 deep	VA81-4577	5" (127mm)	10" (254mm)	14" (356mm)	flat
81/555 deep	VA81-4578	6/5" (152/127mm)	10" (254mm)	14" (356mm)	flat
81/555 standard	VA81-4535	5" (127mm)	7 1/4" (184mm)	18" (457mm)	flat
81/555 standard	VA81-4537	7" (178mm)	7 1/4" (184mm)	18" (457mm)	flat
81/555 standard	VA81-4538	8" (203mm)	7 1/4" (184mm)	18" (457mm)	flat
81/555 standard	VA81-4539	8/7" (203/178mm)	7 1/4" (184mm)	18" (457mm)	flat
81/555 deep	VA81-4572	5" (127mm)	10" (254mm)	18" (457mm)	flat
81/555 deep	VA81-4635	6/5" (152/127mm)	10"(254mm)	18" (457mm)	flat
81/555 deep	VA81-4573	7" (178mm)	10"(254mm)	18" (457mm)	flat
81/555 deep	VA81-4574	8" (203mm)	10"(254mm)	18" (457mm)	flat
81/555 deep	VA81-4575	8/7" (203/178mm)	10"(254mm)	18" (457mm)	flat

Note: showed dwg are indicative. we reserve according to the quality chosen to decide if spout will be with insert or not

Notes

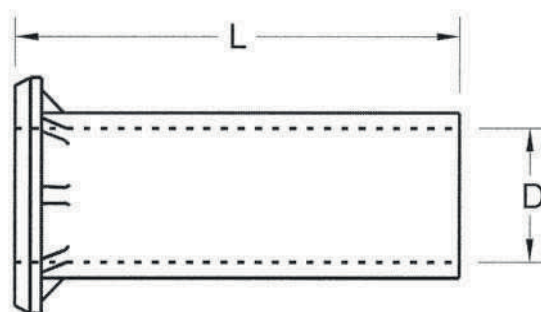
STANDARD TUBES - PLAIN



Part Number	Inside inches	Diameter mm.	Length inches	mm.	Application
TU144-783	5	127	17	432	144 standard with curb
TU144-3971	5	127	18	457	144 standard without curb
TU144-2659	5	127	21 1/2	546	144 deep
TU144-12949	6	152	17	432	144 standard with curb
TU144-13124	6	152	18	457	144 standard without curb
TU144-11649	6	152	21 1/2	546	144 deep /81 standard
TU81-4198	6	152	23	584	81 standard
TU81-3951	6	152	24	610	81 deep with curb
TU81-3418	6	152	24 1/2	622	81 deep without curb
TU58-2510	7	178	21 1/2	546	194 standard
TU81-4200	7	178	23	584	81 standard
TU194-5300	7	178	24	610	194 deep
TU81-3498	7	178	24 11/16	627	81 deep
TU81-3479	7	178	27	686	503/81 deep
TU115-549	7	178	28 3/4	730	115
TU63-729	7	178	30	762	113
TU144-15080	7 3/4	197	19 1/4	489	144 standard TG
TU81-6221	8	203	23	584	81 standard
TU115-2028	8	203	26 1/8	664	115/81 deep
TU503-5903	8	203	28 3/4	730	503
TU194-5643	8	203	24	610	10 1/2" flange dia for 194 feeder
TU503-6115	8	203	27	686	10 1/2" flange dia for 194 feeder
TU501-5000	9	229	26 3/8	670	
TU113-548	9 1/2	241	26 3/8	670	113
TU81-6223	10	254	23	584	81 standard
TU503-5370	10	254	26 1/8	664	81/115/503 deep
TU503-6261	10	254	27	686	503
TU503-6427	10	254	28 1/8	714	503
TU503-6566	10	254	30 3/4	781	503
TU503-5950	10	254	29	737	503
TU501-5599	10	254	32 5/8	829	
TU501-6126	11	279	26 1/8	664	
TU515-5006	11	279	28	711	503/515

NOTE : ALL TUBES ARE GRINDED

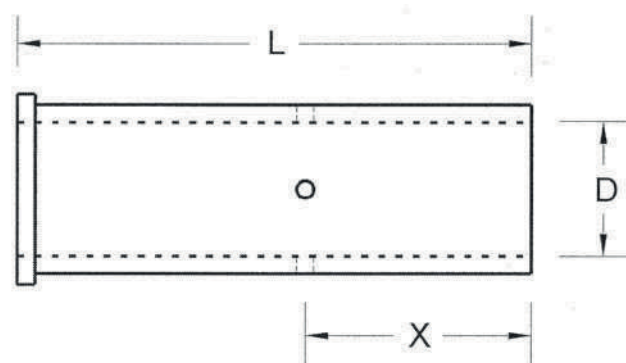
SELF CENTERING TUBES - PLAIN



Part Number	Inside inches	Diameter mm.	Length inches	mm.	Remark
TU555-2066	5	127	22	559	11" flange diameter
TU555-2087	5	127	24	610	11" flange diameter
TU555-2067	6	152	22	559	11" flange diameter
TU555-2088	6	152	24	610	11" flange diameter
TU555-2068	7	178	22	559	11" flange diameter
TU555-2089	7	178	24	610	11" flange diameter
TU555-1520	7	178	23 3/8	594	13 9/16" flange diameter
TU555-1057	7	178	26 3/8	670	13 9/16" flange diameter
TU194-5770	8	203	19 1/2	495	10 5/8" flange diameter
TU555-2069	8	203	22	559	11" flange diameter
TU555-2090	8	203	24	610	11" flange diameter
TU555-1521	8	203	23 3/8	594	13 9/16" flange diameter
TU555-1058	8	203	26 3/8	670	13 9/16" flange diameter
TU555-1001	10	254	26 3/8	670	13 9/16" flange diameter
TU555-1602	10	254	28 3/8	721	13 9/16" flange diameter
TU555-2124	12	305	26 3/8	670	15 1/2" flange diameter

NOTE : ALL TUBES ARE GRINDED

STANDARD TUBES – VENTED



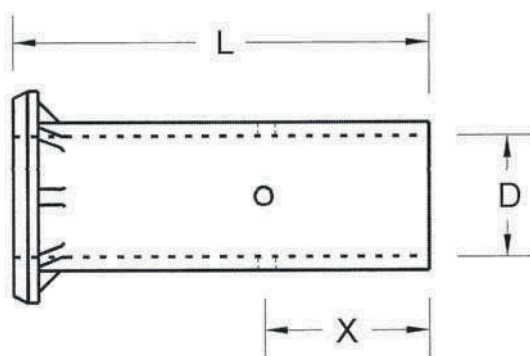
Part Number	Inside Diameter inches	mm.	Length inches	mm.	N° of holes	Hole diameter inches	mm.	Dimension X inches	mm.	Application
TU144-14379	5	127	17	432	4	7/8	22	7 1/4	184	144 standard
TU144-14380	5	127	21 1/2	546	4	7/8	22	11	279	144 deep
TU144-14376	6	152	18	457	4	7/8	22	7 1/4	184	144 standard
TU144-14220	6	152	21 1/2	546	4	7/8	22	11	279	144 deep
TU81-4199	6	152	23	584	4	7/8	22	9 3/4	248	81 standard
TU81-3952	6	152	24	610	4	7/8	22	11 1/2	292	81 deep with curb
TU81-3903	6	152	24 1/2	622	4	7/8	22	11	279	81 deep without curb
TU81-4202	7	178	21 1/2	546	4	7/8	22	9 3/4	248	194 standard
TU194-5162	7	178	21 1/2	546	4	7/8	22	11 1/2	292	194 standard
TU58-3190	7	178	21 1/2	546	3	7/8	22	13 1/2	343	
TU144-15175	7	178	23	584	4	7/8	22	11 1/2	292	144 deep
TU81-4201	7	178	23	584	4	7/8	22	11	279	81 standard
TU194-5301	7	178	24	610	4	7/8	22	11 1/2	292	194 deep
TU81-4295	7	178	24 11/16	627	4	7/8	22	11 1/2	292	
TU81-3904	7	178	27	686	4	7/8	22	12	305	81 deep
TU503-5845	7	178	27	686	4	7/8	22	12 1/2	318	503
TU501-5392	7	178	27	686	4	2 1/4	57	11 57/64	302	
TU115-903	7	178	28 3/4	730	4	7/8	22	12 3/16	309	115
TU81-6222	8	203	23	584	4	7/8	22	10 1/2	266	81 standard
TU501-7087	8	203	23	584	4	7/8	22	10 1/2	267	
TU501-5986	8	203	24	610	3	1 1/2	38	11 1/2	292	
TU501-5999	8	203	24	610	3	2	51	12	305	
TU194-5637	8	203	24	610	4	7/8	22	13	330	10 1/2" flange dia for 194 feeder
TU501-7088	8	203	25 1/4	641	4	7/8	22	13	330	
TU115-2029	8	203	26 1/8	664	4	7/8	22	12 1/2	318	115/81 deep
TU501-5158	8	203	27	686	4	7/8	22	13	330	
TU503-5891	8	203	28 3/4	730	4	7/8	22	13	330	
TU113-716	9 1/2	241	26 3/8	670	4	7/8	22	14 1/2	368	
TU81-6224	10	254	23	584	4	7/8	22	10 1/2	267	81 standard
TU503-6237	10	254	26 1/8	664	4	7/8	22	8 3/4	222	
TU503-5369	10	254	26 1/8	664	4	7/8	22	12 1/2	318	503
TU501-5240	10	254	26 1/8	664	4	1 1/4	32	13	330	
TU503-6547	10	254	26 1/8	664	4	1 1/4	32	13	330	503
TU501-5767	10	254	26 1/8	664	4	1 1/2	38	13	330	
TU503-5741	10	254	26 1/8	664	4	1 3/4	44	13	330	503
TU501-5391	10	254	26 1/8	664	3	2	51	13	330	
								13 1/4	337	
								13 1/2	343	
TU503-6267	10	254	27	686	4	7/8	22	12 1/2	318	
TU501-6160	10	254	27	686	4	2	51	12 1/2	318	
TU501-6231	10	254	27 1/4	692	3	2	51	15	381	
TU515-6151	10	254	28 1/8	714	4	7/8	22	15 1/2	394	515
TU501-5997	10	254	28 1/8	714	4	7/8	22	15	381	

STANDARD TUBES – VENTED

	(CONTINUED)									
TU501-6097	10	254	28 1/8	714	4	1 1/4	32	15	381	
TU503-5936	10	254	28 1/8	714	3	2	51	1x15	381	503
								1x15 1/4	387	
								1x15 1/2	394	
TU501-6372	10	254	28 1/8	714	4	1 1/2	38	15	381	
TU503-6362	10	254	28 1/8	714	4	7/8	22	15 1/4	387	
TU503-5949	10	254	29	737	4	7/8	22	12 1/2	318	515
TU503-6543	10	254	30 11/16	779	3	2	51	16	406	
TU503-6567	10	254	30 3/4	781	4	7/8	22	14 1/4	362	515
TU503-6526	10	254	31 7/8	810	3	2	51	16	406	515
TU501-6200	10	254	33 1/2	851	3	2	51	17 1/2	445	
TU515-5270	11	279	26 1/8	664	4	7/8	22	12 1/2	318	
TU501-6196	11	279	28	711	4	7/8	22	12 1/2	318	
TU515-5007	11	279	28	711	4	7/8	22	14 1/2	368	515
TU515-5132	11	279	28	711	3	2	51	14 1/2	368	515
TU515-6018	12	305	28 1/2	724	4	7/8	22	14 1/2	368	515

NOTE : ALL TUBES ARE GRINDED

SELF CENTERING TUBES - VENTED



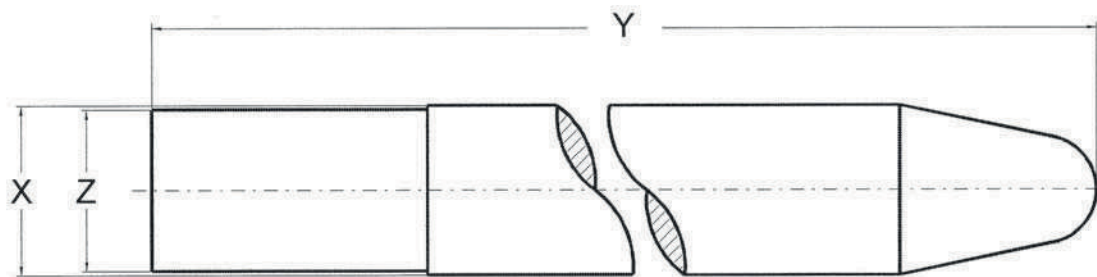
Part Number	Inside Diameter inches	mm.	Length inches	mm.	N° of holes	Hole diameter inches	mm.	Dimension X inches	mm.	Remark
TU555-2071	5	127	22	559	4	7/8	22	9	229	11"(279mm)flange diameter
TU555-2092	5	127	24	610	4	7/8	22	11	279	11"(279mm)flange diameter
TU555-2072	6	152	22	559	4	7/8	22	9	229	11"(279mm)flange diameter
TU555-2093	6	152	24	610	4	7/8	22	11	279	11"(279mm)flange diameter
TU194-5747	6	152	24 5/8	625	4	7/8	22	11 1/2	292	81 feeder only-for 194-159 tube holder
TU555-2073	7	178	22	559	4	7/8	22	9	229	11"(279mm)flange diameter
TU555-2094	7	178	24	610	4	7/8	22	11	279	11"(279mm)flange diameter
TU194-5748	7	178	24 5/8	625	4	7/8	22	11 1/2	292	81 feeder only-for 194-159 tube holder
TU555-1518	7	178	23 3/8	594	3	7/8	22	9 1/2	241	13 9/16" (344mm) flange diameter
TU501-7082	7	178	25	635	4	7/8	22	11	279	for 555-1 tube holder-11" flange d.
TU555-2154	7	178	26 3/8	670	4	7/8	22	12 1/2	318	for 555-1 tube holder-11" flange d.
TU555-1056	7	178	26 3/8	670	3	7/8	22	12 1/2	318	13 9/16" (344mm) flange diameter
TU194-5769	8	203	19 1/2	495	4	7/8	22	11 1/2	292	10 5/8"(270mm) flange diameter
TU555-2074	8	203	22	559	4	7/8	22	9	229	11"(279mm)flange diameter
TU501-7050	8	203	22	559	4	7/8	22	13	330	81 feeder only-for 194-159 tube holder
TU555-2095	8	203	24	610	4	7/8	22	11	279	11"(279mm)flange diameter
TU501-7058	8	203	23	584	4	7/8	22	13	330	81 feeder only-for 194-159 tube holder
TU555-1519	8	203	23 3/8	594	3	7/8	22	9 1/2	241	13 9/16" (344mm) flange diameter
TU555-2543	8	203	24	610	3	1 1/2	38	12	305	13 9/16" (344mm) flange diameter
TU555-1793	8	203	24	610	4	1 1/2	38	12	305	13 9/16" (344mm) flange diameter
TU194-5764	8	203	24 11/16	627	4	7/8	22	11 1/2	292	81 feeder only-for 194-159 tube holder
TU501-7030	8	203	24 11/16	627	4	7/8	22	13	330	81 feeder only-for 194-159 tube holder
TU555-2155	8	203	26 3/8	670	4	7/8	22	12 1/2	318	for 555-1 tube holder-11" flange d.
TU555-1340	8	203	26 3/8	670	3	7/8	22	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1837	8	203	26 3/8	670	3	1 1/2	38	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1832	8	203	27	686	3	7/8	22	13	330	13 9/16" (344mm) flange diameter
TU555-1415	10	254	23 3/8	594	3	7/8	22	10	254	13 9/16" (344mm) flange diameter
TU555-1052	10	254	26 3/8	670	3	7/8	22	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1765	10	254	26 3/8	670	4	7/8	22	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1795	10	254	26 3/8	670	3	2	51	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1826	10	254	26 3/8	670	4	2	51	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1779	10	254	26 3/8	670	3	2	51	13	330	13 9/16" (344mm) flange diameter
TU555-1794	10	254	26 3/8	670	4	1 1/2	38	13	330	13 9/16" (344mm) flange diameter
TU555-1788	10	254	26 3/8	670	3	2	51	13	330	for 555-1 tube holder
TU555-1329	10	254	26 3/8	670	3	7/8	22	15 1/4	387	13 9/16" (344mm) flange diameter
TU555-1881	10	254	26 3/8	670	3	1 1/2	38	12 1/2	318	13 9/16" (344mm) flange diameter
TU555-1653	10	254	28 3/8	721	3	2	51	15 1/4	387	13 9/16" (344mm) flange diameter
TU555-1822	10	254	28 3/8	721	3	1 1/2	38	15 1/4	387	13 9/16" (344mm) flange diameter
TU555-1181	10	254	28 3/8	721	3	7/8	22	15 1/4	387	13 9/16" (344mm) flange diameter
TU555-1808	11	279	28 3/8	721	3	7/8	22	15 1/4	387	15 1/2" (394mm) flange diameter
TU501-7035	11	279	28 3/8	721	3	1 1/4	32	15 1/4	387	for 555-1 tube holder
TU501-7053	11	279	28 3/8	721	3	1 1/2	38	15 1/4	387	for 555-1 tube holder
TU555-2663	11	279	28 3/8	721	3	2	51	15 1/4	387	15 1/2" (394mm) flange diameter
TU555-1833	11	279	26 3/8	670	3	7/8	22	13 1/4	337	15 1/2" (394mm) flange diameter
TU555-1807	12	305	28 3/8	721	3	7/8	22	15 1/4	387	15 1/2" (394mm) flange diameter

NOTE : ALL TUBES ARE GRINDED

Notes

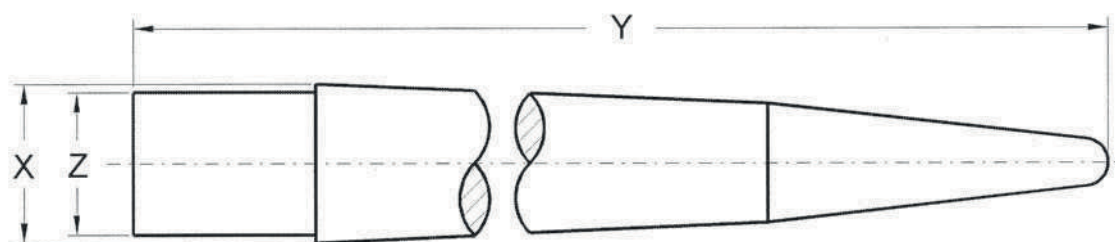
PLUNGERS

SHAPE NO. 1 - STANDARD POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-11793	2 3/4	70	25 1/2	648	2 3/8	60	
PU144-389	2 1/2	63	27	686	2 3/8	60	
PU144-388	2 3/4	70	27	686	2 3/8	60	
PU81-4568	2 3/4	70	27	686	2 3/4	70	
PU144-490	3	76	27	686	2 3/4	70	
PU144-3168	3 1/4	83	27	686	2 3/4	70	
PU81-4604	3 1/4	83	27	686	3 1/8	79	
PU144-3169	3 1/2	89	27	686	2 3/4	70	
PU81-4633	2 3/4	70	28	711	2 3/4	70	
PU81-4637	3	76	28	711	2 3/4	70	
PU81-4634	3 1/4	83	28	711	2 3/4	70	
PU81-4636	3 1/2	89	28	711	2 3/4	70	
PU58-2582	3 1/4	83	32 1/8	816	3 1/8	79	
PU58-2583	3 1/2	89	32 1/8	816	3 1/8	79	
PU58-2584	3 3/4	95	32 1/8	816	3 1/8	79	
PU58-2585	4	102	32 1/8	816	3 1/8	79	
PU58-2586	4 1/4	108	32 1/8	816	3 1/8	79	
PU58-2587	4 1/2	114	32 1/8	816	3 1/8	79	
PU58-2588	4 3/4	121	32 1/8	816	3 1/8	79	
PU58-2589	5	127	32 1/8	816	3 1/8	79	

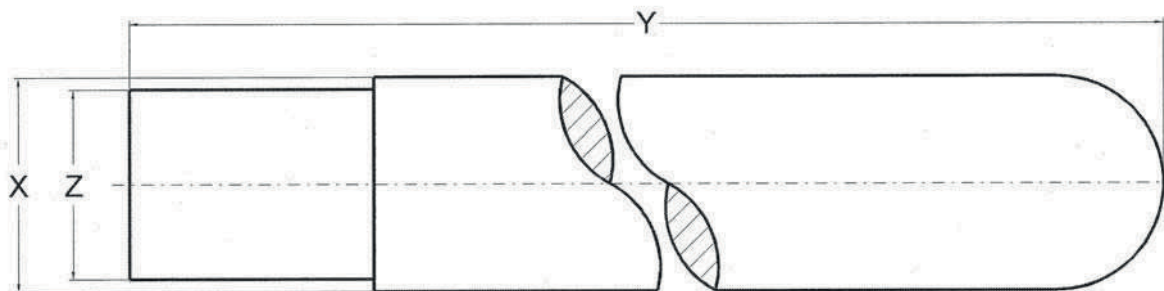
SHAPE NO. 3 - TAPER POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-2778	2 1/2	63	27	686	2 3/8	60	
PU144-11395	2 3/4	70	32 1/8	816	3 1/8	79	

PLUNGERS

SHAPE NO. 2 - BALL POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-11794	3	76	25 1/2	648	2 3/4	70	
PU144-11795	3 1/4	83	25 1/2	648	3 1/8	79	
PU144-11796	3 1/2	89	25 1/2	648	3 1/8	79	
PU144-11797	3 3/4	95	25 1/2	648	3 1/8	79	
PU144-780	3 1/4	83	26	660	3 1/8	79	144 Std
PU144-781	3 1/2	89	26	660	3 1/8	79	
PU144-3985	3 3/4	95	26	660	3 1/8	79	
PU144-1246	2 1/2	63	27	686	2 3/8	60	
PU144-1217	2 3/4	70	27	686	2 3/8	60	
PU144-1218	3	76	27	686	2 3/4	70	
PU81-4566	3 1/4	83	27	686	2 3/4	70	
PU81-4589	3 1/4	83	27	686	3 1/8	79	
PU81-4590	3 1/2	89	27	686	3 1/8	79	
PU81-4591	3 3/4	95	27	686	3 1/8	79	
PU81-4592	4	102	27	686	3 1/8	79	
PU81-4593	4 1/4	108	27	686	3 1/8	79	
PU81-4594	4 1/2	114	27	686	3 1/8	79	
PU81-4595	4 3/4	121	27	686	3 1/8	79	
PU81-4596	5	127	27	686	3 1/8	79	
PU501-5681	1 3/4	45	30	762	2	51	
PU501-5680	2	51	30	762	2	51	
PU501-6159	2 1/8	54	30	762	2	51	
PU501-5679	2 1/4	57	30	762	2	51	503
PU501-5678	2 3/8	60	30	762	2	51	
PU501-5582	2 1/2	63	30	762	2	51	
PU503-5652	3	76	30	762	2 3/4	70	
PU503-5653	3 1/4	83	30	762	2 3/4	70	503
PU503-6707	3 1/4	83	30	762	3 1/8	79	
PU503-5654	3 1/2	89	30	762	2 3/4	70	515
PU503-6708	3 1/2	89	30	762	3 1/8	79	
PU503-6709	3 3/4	95	30	762	3 1/8	79	
PU503-5697	4	102	30	762	2 3/4	70	
PU503-6800	4	102	30	762	3 1/8	79	
PU503-6801	4 1/4	108	30	762	3 1/8	79	
PU503-6802	4 1/2	114	30	762	3 1/8	79	
PU503-6803	4 3/4	121	30	762	3 1/8	79	
PU503-6804	5	127	30	762	3 1/8	79	
PU503-6809	5 1/2	140	30	762	3 1/8	79	
PU144-13842	3	76	30 1/2	775	2 3/4	70	
PU144-12237	3	76	30 1/2	775	3 1/8	79	
PU144-12238	3 1/4	83	30 1/2	775	3 1/8	79	
PU144-12239	3 1/2	89	30 1/2	775	3 1/8	79	
PU144-13116	3 3/4	95	30 1/2	775	3 1/8	79	81 Std
PU144-13117	4	102	30 1/2	775	3 1/8	79	144 Deep/Std
PU144-13118	4 1/4	108	30 1/2	775	3 1/8	79	
PU144-13119	4 1/2	114	30 1/2	775	3 1/8	79	
PU144-13120	4 3/4	121	30 1/2	775	3 1/8	79	

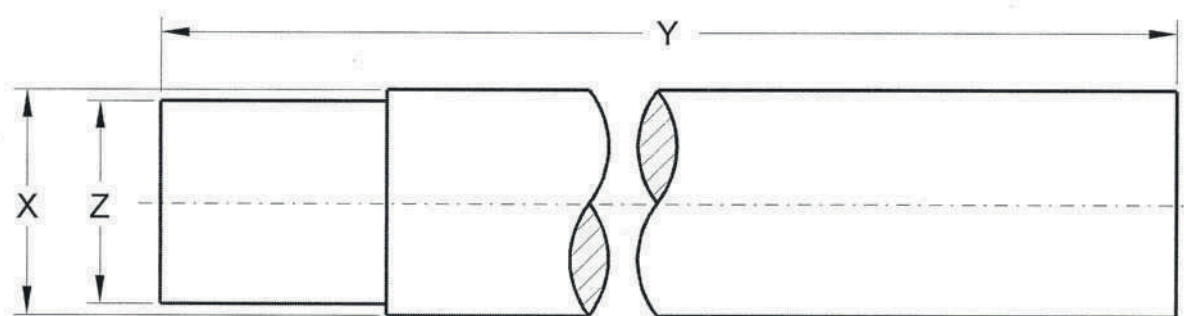
PLUNGERS

SHAPE NO. 2 - BALL POINT

Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
(CONTINUED)							
PU144-5483	3 1/4	83	31 1/8	791	3 1/8	79	81 Deep/Std
PU29-607	3 1/2	89	31 1/8	791	3 1/8	79	
PU144-5470	3 3/4	95	31 1/8	791	3 1/8	79	
PU144-5471	4	102	31 1/8	791	3 1/8	79	
PU144-5472	4 1/4	108	31 1/8	791	3 1/8	79	
PU515-5172	1 3/4	45	31 3/4	806	2	51	
PU515-5173	2	51	31 3/4	806	2	51	
PU515-5174	2 1/4	57	31 3/4	806	2	51	
PU515-5175	2 3/8	60	31 3/4	806	2	51	
PU515-5176	2 1/2	63	31 3/4	806	2	51	
PU501-6318	2	51	32	813	2	51	
PU501-6292	2 1/8	54	32	813	2	51	
PU501-6313	2 1/4	57	32	813	2	51	
PU501-6304	2 3/8	60	32	813	2	51	
PU501-6314	2 1/2	63	32	813	2	51	
PU503-6562	3	76	32	813	2 3/4	70	
PU503-6563	3 1/4	83	32	813	2 3/4	70	555
PU503-6564	3 1/2	89	32	813	2 3/4	70	
PU503-6565	4	102	32	813	2 3/4	70	
PU144-5177	3	76	32 1/8	816	3 1/8	79	
PU58-2573	3 1/4	83	32 1/8	816	3 1/8	79	113
PU58-2574	3 1/2	89	32 1/8	816	3 1/8	79	115
PU58-2575	3 3/4	95	32 1/8	816	3 1/8	79	
PU58-2576	4	102	32 1/8	816	3 1/8	79	144 Deep/Std
PU58-2577	4 1/4	108	32 1/8	816	3 1/8	79	194 Deep/Std
PU58-2578	4 1/2	114	32 1/8	816	3 1/8	79	
PU58-2579	4 3/4	121	32 1/8	816	3 1/8	79	
PU58-2580	5	127	32 1/8	816	3 1/8	79	
PU113-584	5 1/2	140	32 1/8	816	5 1/8	130	
PU113-585	6	152	32 1/8	816	5 1/8	130	113
PU113-586	6 1/2	165	32 1/8	816	5 1/8	130	
PU113-587	7	178	32 1/8	816	5 1/8	130	

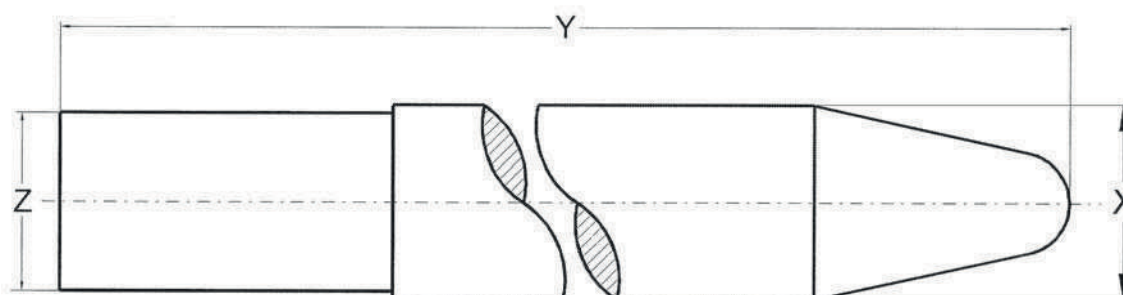
PLUNGERS

SHAPE NO. 4 - SQUARE POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-7755	3	76	25 1/2	648	2 3/4	70	144 standard
PU144-7652	3 1/2	89	25 1/2	648	3 1/8	79	
PU501-5338	3 1/2	89	32 1/8	816	3 1/8	79	
PU144-7653	4 1/8	105	25 1/2	648	3 1/8	79	

SHAPE NO. 5 - STANDARD POINT TAPERED



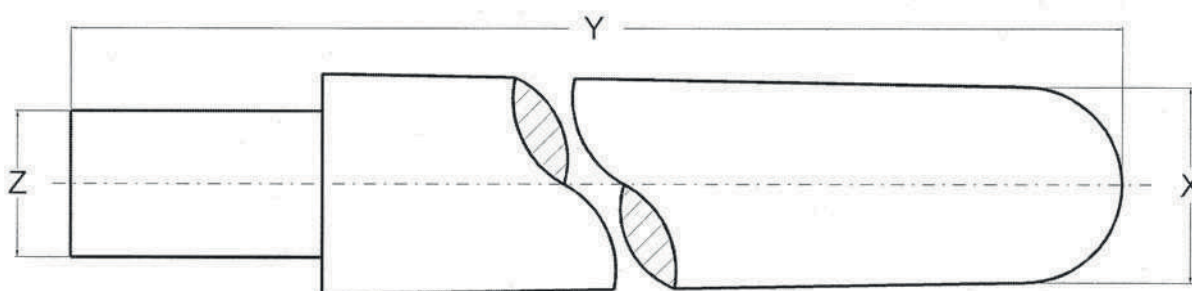
Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-735	2 3/4	70	27	686	2 3/8	60	144 Std
PU503-5129	1 3/4	45	30	762	2	51	
PU503-5128	1 7/8	48	30	762	2	51	
PU503-5094	2	51	30	762	2	51	
PU503-5360	2 1/8	54	30	762	2	51	503
PU503-5398	2 1/4	57	30	762	2	51	
PU503-5361	2 3/8	60	30	762	2	51	
PU503-6000	2 3/8	60	30	762	2 3/4	70	
PU503-5598	2 1/2	63	30	762	2 3/4	70	515
PU503-5599	2 3/4	70	30	762	2 3/4	70	
PU503-5600	3	76	30	762	2 3/4	70	
PU503-5601	3 1/4	83	30	762	2 3/4	70	
PU144-11792	2 3/4	70	30 1/2	775	3 1/8	79	144 Deep/Std
PU144-13853	3	76	30 1/2	775	3 1/8	79	
PU515-5166	1 3/4	45	31 3/4	803	2	51	
PU515-5167	1 7/8	48	31 3/4	803	2	51	
PU515-5168	2	51	31 3/4	803	2	51	555
PU515-5169	2 1/8	54	31 3/4	803	2	51	

PLUNGERS

SHAPE NO. 5 - STANDARD POINT TAPERED

Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
(CONTINUED)							
PU515-5170	2 1/4	57	31 3/4	803	2	51	
PU515-5171	2 3/8	60	31 3/4	803	2	51	
PU503-6552	1 3/4	45	32	813	2	51	
PU503-6553	1 7/8	48	32	813	2	51	
PU503-6551	2	51	32	813	2	51	
PU503-6555	2 1/8	54	32	813	2	51	
PU503-6556	2 1/4	57	32	813	2	51	
PU503-6557	2 3/8	60	32	813	2	51	
PU501-6358	1 3/4	45	32	813	2	51	
PU501-6357	1 7/8	48	32	813	2	51	
PU501-6355	2	51	32	813	2	51	
PU501-6280	2 1/8	54	32	813	2	51	
PU501-6359	2 1/4	57	32	813	2	51	
PU501-6353	2 3/8	60	32	813	2	51	
PU503-6571	2 1/2	63	30	762	2	51	
PU503-6554	2 3/8	60	32	813	2 3/4	70	
PU503-6558	2 1/2	63	32	813	2 3/4	70	
PU503-6559	2 3/4	70	32	813	2 3/4	70	
PU503-6560	3	76	32	813	2 3/4	70	
PU503-6561	3 1/4	83	32	813	2 3/4	70	
PU29-611	2 1/2	63	32 1/8	816	3 1/8	79	
PU29-612	2 3/4	70	32 1/8	816	3 1/8	79	81 Deep/Std
PU29-610	3	76	32 1/8	816	3 1/8	79	194 Deep/StD

SHAPE NO. 6 - BALL POINT TAPERED

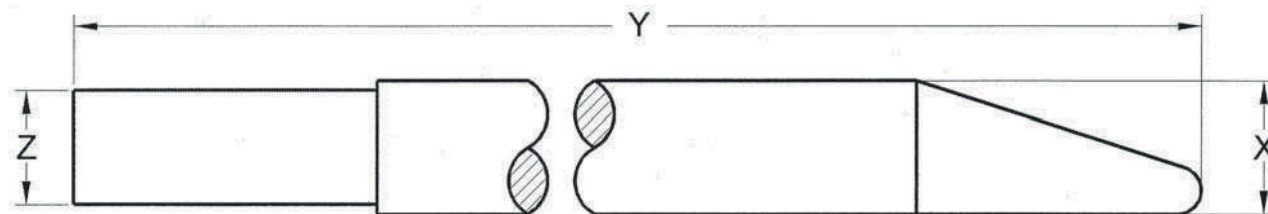


Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU501-5089	2 1/2	63	32 1/8	816	3 1/8	79	81 Deep/Std
PU144-14156	2 3/4	70	32 1/8	816	3 1/8	79	144 Deep
PU29-609	3	76	32 1/8	816	3 1/8	79	194 Deep/Std

PLUNGERS

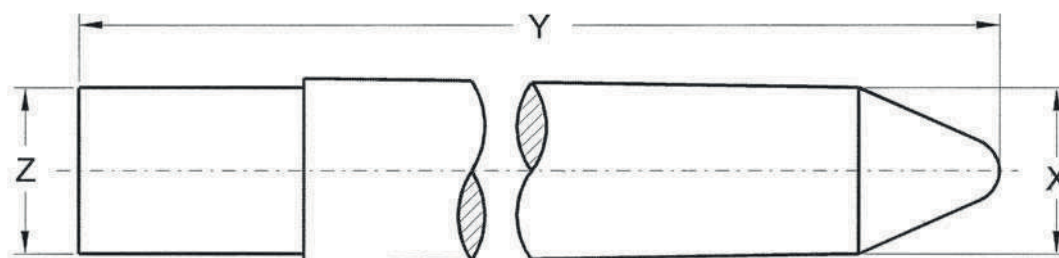
TRIPLE PLUNGERS

STANDARD POINT (CENTRE) - OFFSET POINT (OUTSIDE)



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-15106 C	1 3/4	45	23 1/4	590	1 1/2	38	TG-3 CD
PU144-15107 O	1 3/4	45	23 1/4	590	1 1/2	38	TG 3 CD
PU515-6096 O	2 3/8	60	30	762	2 3/4	70	TG-4 3/8 CD
PU503-6000 C	2 3/8	60	30	762	2 3/4	70	TG-4 3/8 CD
PU515-6017 O	2 1/2	63	30	762	2 3/4	70	TG-4 3/8 CD
PU503-5598 C	2 1/2	63	30	762	2 3/4	70	TG-4 3/8 CD
PU555-2140 C	1 3/4	45	28	711	2	51	TG-4 3/8 CD
PU555-2141 O	1 3/4	45	28	711	2	51	TG-4 3/8 CD

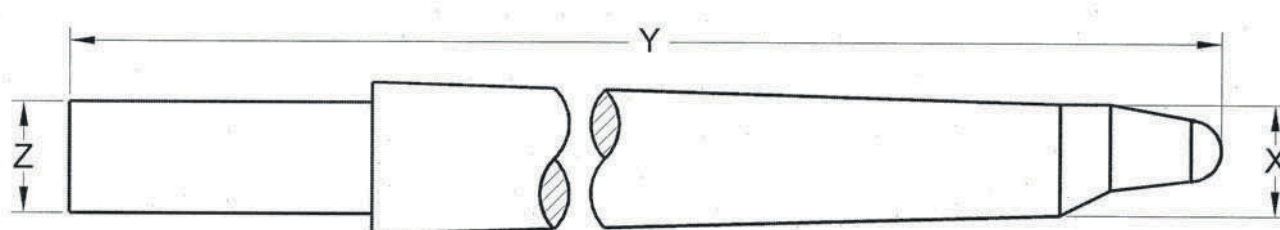
TWIN PLUNGERS STANDARD POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU81-3929	1 1/4	32	27	686	2 1/4	57	DG-3 CD
PU81-3928	1 1/2	38	27	686	2 1/4	57	DG-3 CD
PU81-3920	1 3/4	45	27	686	2 1/4	57	DG-3 CD
PU81-3921	1 7/8	48	27	686	2 1/4	57	DG-3 CD
PU81-3683	2	51	27	686	2 1/4	57	DG-3 CD
PU81-3749	2 3/8	60	27	686	2 1/4	57	DG-3 CD
PU81-3750	2 1/2	63	27	686	2 1/4	57	DG-3 CD

PLUNGERS

TWIN PLUNGERS OFFSET POINT



Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU81-4066	1 3/4	44	28	711	2	51	DG-4 3/8 CD
PU81-3894	1 3/4	45	28	711	2 1/4	57	DG-4 3/8 CD
PU81-3895	1 7/8	48	28	711	2 1/4	57	DG-4 3/8 CD
PU81-4067	1 7/8	48	28	711	2	51	DG-4 3/8 CD
PU81-3896	2	51	28	711	2 1/4	57	DG-4 3/8 CD
PU81-4068	2	51	28	711	2	51	DG-4 3/8 CD
PU81-4069	2 1/8	54	28	711	2	51	DG-4 3/8 CD
PU81-3742	2 1/8	54	28	711	2 1/4	57	DG-4 3/8 CD 81,115,144
PU81-3743	2 3/8	60	28	711	2 1/4	57	DG-4 3/8 CD 194 Feeder
PU81-4070	2 3/8	60	28	711	2	51	DG-4 3/8 CD
PU81-4071	2 1/2	63	28	711	2	51	DG-4 3/8 CD
PU81-3744	2 3/4	63	28	711	2 1/4	57	DG-4 3/8 CD
PU81-4131	1 3/4	45	30	762	2	51	DG-4 3/8 CD
PU81-4132	1 7/8	48	30	762	2	51	DG-4 3/8 CD
PU81-4133	2	51	30	762	2	51	DG-4 3/8 CD
PU503-5450	2 1/8	54	30	762	2	51	DG-4 3/8 CD
PU503-5449	2 3/8	60	30	762	2	51	DG-4 3/8 CD
PU81-4134	2 1/2	63	30	762	2	51	DG-4 3/8 CD

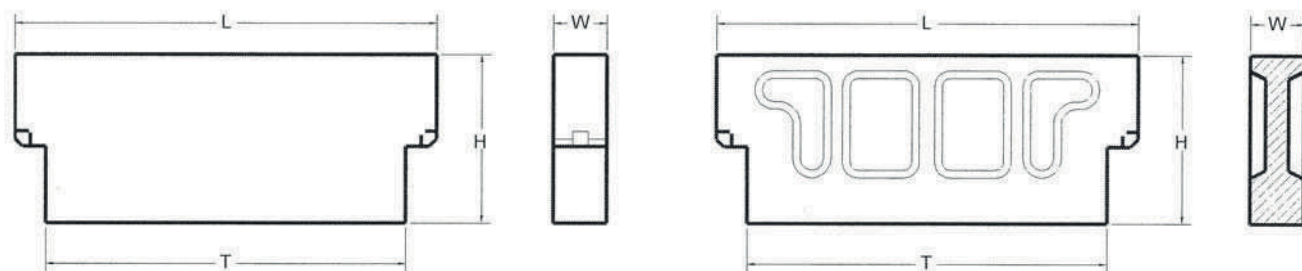
PLUNGERS FLUTED POINT

Part Number	Dimension X		Dimension Y		Dimension Z		Application
	inches	mm.	inches	mm.	inches	mm.	
PU144-12240	3 3/4	95	30 1/2	775	3 1/8	79	

Notes

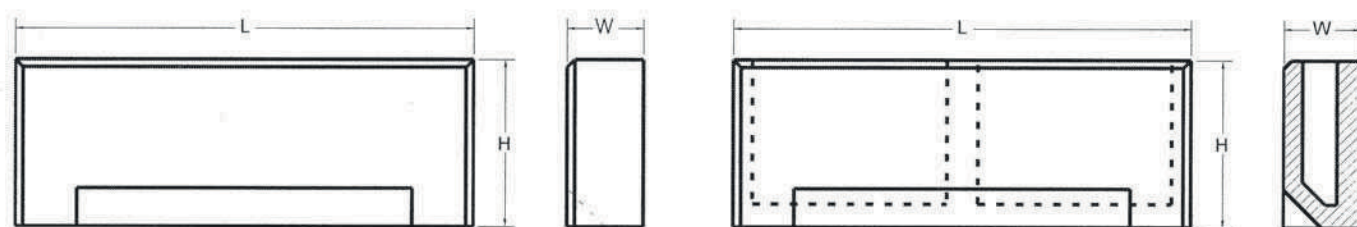
SKIMMER, MANTLE AND BACK BLOCKS

SKIMMER BLOCKS



Part Number	Type	Channel inches	Width mm.	Dimension L inches	Dimension L mm.	Dimension H inches	Dimension H mm.	Dimension W inches	Dimension W mm.	Dimension T inches	Dimension T mm.
SK144-10910	plain	16	406	24	610	12	305	4	102	15 1/2	394
SK144-11482	plain	26	660	30 1/2	775	12	305	4	102	25 1/2	648
SK144-11578	panelled	26	660	30 1/2	775	12	305	4	102	25 1/2	648
SK144-14329	plain	30	762	34 1/2	876	12	305	4	102	29 1/2	749
SK63-702	panelled	36	914	46	1168	18	457	6	152	35 1/2	902
SK119-937	panelled	36	914	44	1118	15 1/2	394	4	102	35 1/2	902
SK119-976	panelled	36/26	914/660	36 1/2	927	15 1/2	394	4	102	28	711
SK540-6024	plain	42	1067								
SK520-1035	panelled	48	1219	60	1524	18	457	6	152	47	1194
SK520-1129	panelled	48/36	1219/914	60	1524	18	457	6	152	39	991
SK540-8098	plain	48	1219								
SK540-25138	plain	54	1372								
SKF-637	plain	43	1092	52 3/4	1340	18	457	6	152	42 1/2	1080

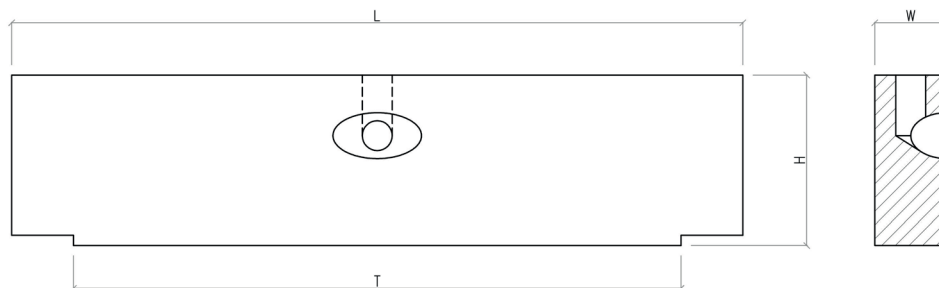
MANTLE BLOCKS (Hollow)



Part Number	Type	Channel inches	Width mm.	Dimension L inches	Dimension L mm.	Dimension H inches	Dimension H mm.	Dimension W inches	Dimension W mm.
MA119-578	hollow	26	660	36	914	14	356	6	152
MA540-22210	hollow	26	660						
MA119-938	hollow	36	914	44	1118	14 1/2	368	6	152
MA540-5048	hollow	36	914						
MA540-6023	hollow	42	1067						
MA520-1212	hollow	48	1219	60	1524	18	457	7	178
MA540-8097	hollow	48	1219						
MA540-25137	hollow	54	1372						

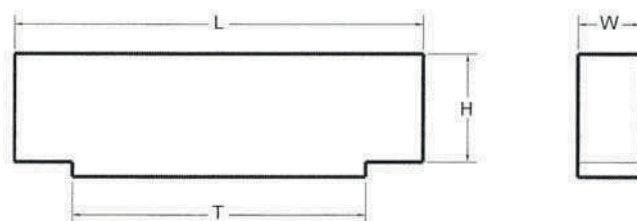
SKIMMER, MANTLE AND BACK BLOCK

MANTLE BLOCKS (Solid)



Part Number	Type	Channel inches	Width mm.	Dimension L inches	mm.	Dimension H inches	mm.	Dimension W inches	mm.
MA144-3521	solid Z	16	406	30	762	18	457	5 1/2	140
MA144-6263	solid Z	16	406	30	762	12	305	6	152
MA144-7873	solid	16	406	26	660	14	356	6	152
MA144-7876	solid	26	660	36	914	14	356	6	152
MA341-35000	solid	26	660						
MA144-14330	solid	30	762	42	1067	18	457	6	152
MA341-45005	solid	36	914						
MA341-55003	solid	42	1067						
MA341-65000	solid	48	1219						
MA541-75004	solid	54	1372						

BACK BLOCKS

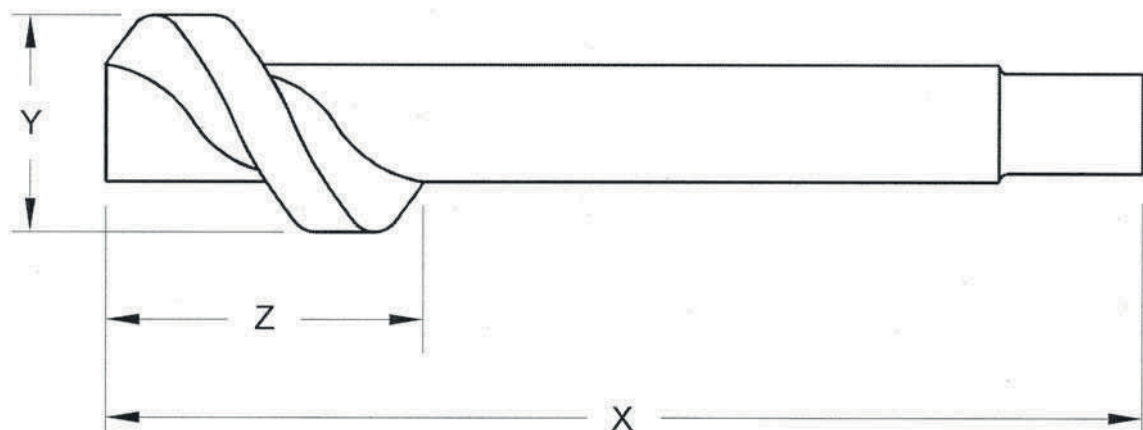


Part Number	Type	Channel inches	Width mm.	Dimension L inches	mm.	Dimension H inches	mm.	Dimension W inches	mm.	Dimension T Inches	mm.
BK2460-1390		16	406	24	610	9	229	3 1/2	89	N/A	N/A
BK2460-1851		22	559	30	762	9	229	3 1/2	89	N/A	N/A
BK81-3508		22	559	30	762	9 1/4	235	4 1/2	114	21 1/2	546
BK115-608		26	660	34	864	12	305	4	102	25 1/2	648
BK503-5145		36	914	44	1118	12	305	4	102	34 3/4	883
BK540-6022		42	1067								
BK520-1037		48	1219	54	1372	17	432	5 1/2	140	47	1194
BK540-8208		48	1219								
BK540-25136		54	1372								

Notes

STIRRERS

HELIX STIRRERS



Part Number	Channel inches	Depth mm.	Dimension X inches	mm.	Dimension Y inches	mm.	Dimension Z inches	mm.
WITH <u>RIGHT</u> HAND HELIX								
ST16848	less of 7	- less of 178	25 19/32	650	6 1/2	165	3	78
ST119-863	7	178	27	686	6 1/2	165	4 1/2	115
ST144-10615	10	254	27	686	6	152	7 1/2	190
ST98-516	10	254	30	762	6 1/2	165	7 1/2	190
ST98-693	7	178	30	762	6 1/2	165	4 1/2	115
ST98-795	10	254	33	838	6 1/2	165	7 1/2	190
ST501-6223	up to 10	- up to 254	33	838	6 1/2	165	9	229 1,2t
ST13458	up to 10	- up to 254	33	838	6 1/2	165	9	229
ST16394	up to 10	- up to 254	33	838	7	178	9 3/64	230
ST11681	7	178	33 7/8	860	6 1/2	165	4 1/2	114
ST119-1038	11	279	33 7/8	860	6 1/2	165	7 1/2	190
ST17892	7	178	35 7/16	900	6 1/2	165	4 31/64	114
ST520-1101	7	178	36	914	5 3/4	146	4 1/2	115
ST520-1120	10	254	36	914	5 3/4	146	7 1/2	190
ST501-6248	7	178	38 1/2	978	6 1/2	165	4 1/2	115
ST501-5935	10	254	38 1/2	978	6 1/2	165	7 1/2	190
ST14068	up to 10	- up to 254	38 1/2	978	7	178	9 3/64	230
ST501-6195	up to 10	- up to 254	40	1016	6 1/2	165	9	229
ST501-6220	up to 10	- up to 254	40 1/2	1029	6 1/2	165	9 1/2	241
ST501-6251	up to 10	- up to 254	40 1/2	1029	7 1/4	184	12	305 1,6t
ST501-6269	up to 10	- up to 254	40 1/2	1029	7 1/4	184	12	305 2t+s
ST501-6301	up to 10	- up to 254	42	1067	7 1/4	184	12	305
ST501-5038	7	178	48	1219	6 1/2	165	4 1/2	115

STIRRERS

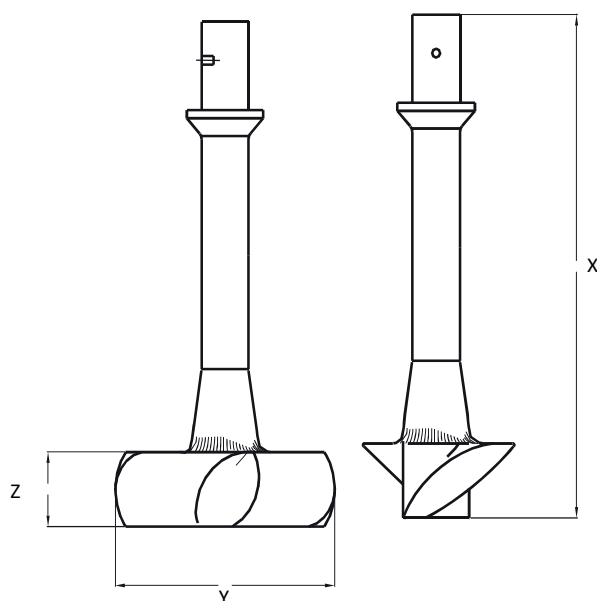
Part Number	Channel inches	Depth mm.	Dimension X inches	mm.	Dimension Y inches	mm.	Dimension Z inches	mm.
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WITH LEFT HAND HELIX

ST16847	less of 7	- less of 178	25 19/32	650	6 1/2	165	3	78
ST119-902	7	178	27	686	6 1/2	165	4 1/2	115
ST501-5727	10	254	27	686	6	152	7 1/2	190
ST119-906	10	254	30	762	6 1/2	165	7 1/2	190
ST501-5128	7	178	30	762	6 1/2	165	4 1/2	115
ST13406	7	178	31 1/2	800	5	127	4 1/2	114
ST98-796	10	254	33	838	6 1/2	165	7 1/2	190
ST119-1022	10	254	33	838	6 1/2	165	7 1/2	190
ST501-6222	up to 10	- up to 254	33	838	6 1/2	165	9	229
ST16395	up to 10	- up to 254	33	838	7	178	9 3/64	230
ST119-1037	11	279	33 7/8	860	6 1/2	165	7 1/2	190
ST17092	7	178	33 15/16	862	6 1/2	165	4 1/2	114
ST17981	7	178	35 7/16	900	6 1/2	165	4 1/2	114
ST13143	up to 10	- up to 254	35 7/16	900	6 1/2	165	11 1/4	286
ST520-1102	7	178	36	914	5 3/4	146	4 1/2	115
ST520-1121	10	254	36	914	5 3/4	146	7 1/2	190
ST501-6249	7	178	38 1/2	978	6 1/2	165	4 1/2	115
ST501-5936	10	254	38 1/2	978	6 1/2	165	7 1/2	190
ST14069	up to 10	- up to 254	38 1/2	978	7	178	9 3/64	230
ST501-6194	up to 10	- up to 254	40	1016	6 1/2	165	9	229
ST501-6219	up to 10	- up to 254	40 1/2	1029	6 1/2	165	9 1/2	241
ST501-6252	up to 10	- up to 254	40 1/2	1029	7 1/4	184	12	305 1,6t
ST501-6270	up to 10	- up to 254	40 1/2	1029	7 1/4	184	12	305 2t+s
ST17125	11	279	41 21/64	1050	6 1/2	165	7 1/2	190
ST501-6302	up to 10	- up to 254	42	1067	7 1/4	184	12	305
ST501-5037	7	178	48	1219	6 1/2	165	4 1/2	114

SPECIAL STIRRERS

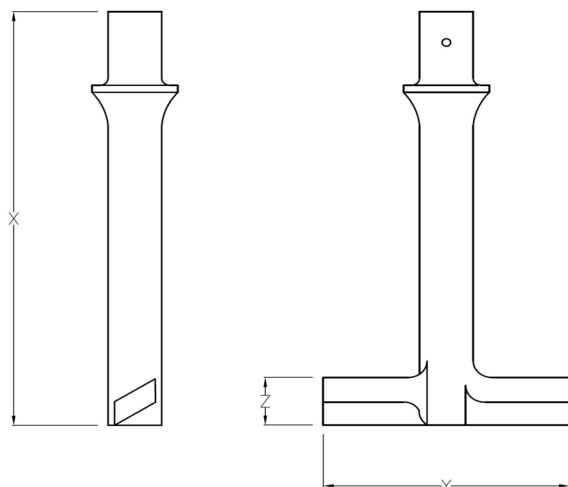
BLADE STIRRERS



Part Number	Dimension X		Dimension Y		Dimension Z		Left /Right
	inches	mm.	inches	mm.	inches	mm.	
BLADE HEIGHT Z= 135 mm							
ST9324	36 1/64	915	9 3/64	230	5 5/16	135	RIGHT
ST9001	36 1/64	915	11 1/32	280	5 5/16	135	RIGHT
ST12036	36 1/64	915	12 53/64	326	5 5/16	135	RIGHT
ST2156	36 1/64	915	18 7/64	460	5 5/16	135	RIGHT
ST10585	36 1/64	915	22 3/64	560	5 5/16	135	RIGHT
ST21203	36 1/64	915	22 3/64	560	5 5/16	135	h RIGHT
ST10643	47 1/4	1200	9 3/64	230	5 5/16	135	RIGHT
ST17361	47 1/4	1200	13 25/32	350	5 5/16	135	RIGHT
ST9161	47 1/4	1200	18 7/64	460	5 5/16	135	RIGHT
ST9498	47 1/4	1200	18 7/64	460	5 5/16	135	RIGHT
ST9289	36 1/64	915	9 3/64	230	5 5/16	135	LEFT
ST9002	36 1/64	915	11 1/32	280	5 5/16	135	LEFT
ST12037	36 1/64	915	12 53/64	326	5 5/16	135	LEFT
ST2238	36 1/64	915	18 7/64	460	5 5/16	135	LEFT
ST10892	36 1/64	915	22 3/64	560	5 5/16	135	LEFT
ST21204	36 1/64	915	22 3/64	560	5 5/16	135	h LEFT
ST6989	47 1/4	1200	9 3/64	230	5 5/16	135	LEFT
ST9497	47 1/4	1200	18 7/64	460	5 5/16	135	LEFT
BLADE HEIGHT Z= 100 mm							
ST21198	34 1/4	870	9 29/64	240	3 15/16	100	RIGHT
ST18296	34 1/4	870	11 1/32	280	3 15/16	100	RIGHT
ST12066	34 1/4	870	13	330	3 15/16	100	RIGHT
ST11874	34 1/4	870	13 49/64	350	3 15/16	100	RIGHT
ST21200	34 1/4	870	15 3/3	400	3 15/16	100	RIGHT
ST2231	34 1/4	870	18 7/64	460	3 15/16	100	RIGHT
ST21534	36 1/64	915	18 7/64	460	3 15/16	100	RIGHT
ST21199	34 1/4	870	9 29/64	240	3 15/16	100	LEFT
ST18297	34 1/4	870	11 1/32	280	3 15/16	100	LEFT
ST14619	34 1/4	870	12 3/64	306	3 15/16	100	LEFT
ST21201	34 1/4	870	15 3/3	400	3 15/16	100	LEFT
ST2232	34 1/4	870	18 7/64	460	3 15/16	100	LEFT
ST21535	36 1/64	915	18 7/64	460	3 15/16	100	LEFT

STIRRERS

PADDLE STIRRERS



Part Number	Dimension X		Dimension Y		Dimension Z		Left /Right
	inches	mm.	inches	mm.	inches	mm.	

BLADE HEIGHT Z= 85 mm

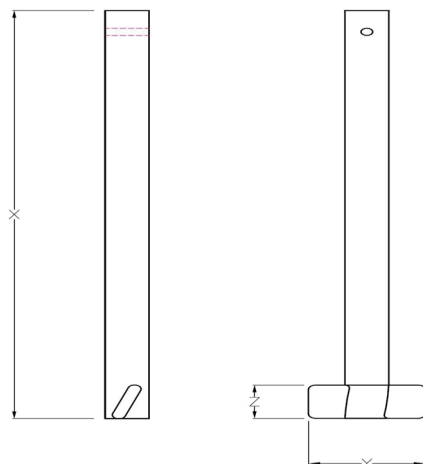
ST10614	34 1/4	870	5 29/32	150	3 11/32	85	RIGHT
ST10612	34 1/4	870	11 13/32	290	3 11/32	85	RIGHT
ST6973	34 1/4	870	11 13/16	300	3 11/32	85	RIGHT
ST19955	34 1/4	870	12 19/32	320	3 11/32	85	RIGHT
ST19437	34 1/4	870	13	330	3 11/32	85	RIGHT
ST15568	34 1/4	870	14 11/64	360	3 11/32	85	RIGHT
ST10610	34 1/4	870	21 21/32	550	3 11/32	85	RIGHT
ST6995	35	889	18 7/64	460	3 11/32	85	RIGHT
ST16132	35 63/64	914	13 49/64	350	3 11/32	85	RIGHT
ST10909	59 3/64	1500	12 13/64	310	3 11/32	85	RIGHT

ST10613	34 1/4	870	5 29/32	150	3 11/32	85	LEFT
ST10611	34 1/4	870	11 13/32	290	3 11/32	85	LEFT
ST6974	34 1/4	870	11 13/16	300	3 11/32	85	LEFT
ST10609	34 1/4	870	21 21/32	550	3 11/32	85	LEFT
ST6937	35	889	18 7/64	460	3 11/32	85	LEFT
ST16133	35 63/64	914	13 49/64	350	3 11/32	85	LEFT

ST501-8395	39 3/8	1000	11 13/16	300		
ST501-8396	39 3/8	1000	11 13/16	300		
ST501-8383	39 3/8	1000	11 13/16	300		
ST501-8384	39 3/8	1000	11 13/16	300		

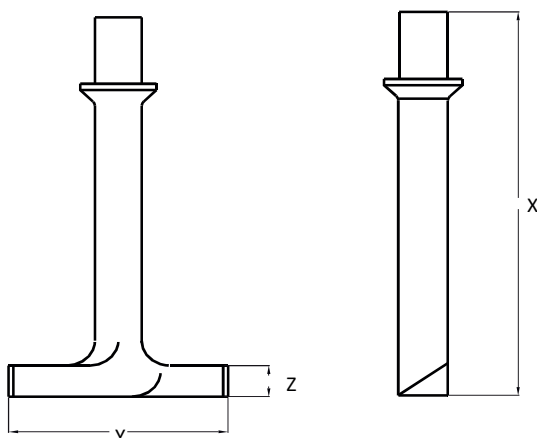
SPECIAL STIRRERS

SMALL BLADE STIRRERS



Part Number	Dimension X		Dimension Y		Dimension Z		Left /Right
	inches	mm.	inches	mm.	inches	mm.	
ST18513	33 15/32	850	6 19/64	160	2 61/64	75	RIGHT
ST20792	35 63/64	914	6 11/16	170	3 35/64	75	RIGHT
ST12110	36 7/32	920	6 19/64	160	2 61/64	75	RIGHT
ST18514	33 15/32	850	6 19/64	160	2 61/64	75	LEFT
ST20793	35 63/64	914	6 11/16	170	3 35/64	75	LEFT
ST12111	36 7/32	920	6 19/64	160	2 61/64	75	LEFT

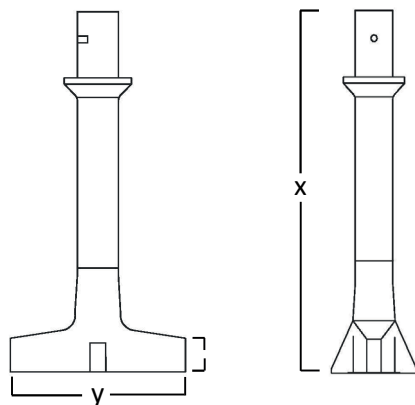
TRIANGULAR BLADE STIRRERS



Part Number	Dimension X		Dimension Y		Dimension Z		Left /Right
	inches	mm.	inches	mm.	inches	mm.	
ST2897	36 1/64	915	18 7/64	460	2 61/64	75	RIGHT
ST17073	36 1/64	915	13	330	2 61/64	75	RIGHT
ST2912	36 1/64	915	23 5/8	600	2 61/64	75	RIGHT
ST10950	36 1/64	915	5 13/16	148	6 18/64	160	RIGHT
ST2896	36 1/64	915	18 7/64	460	2 61/64	75	LEFT

SPECIAL STIRRERS

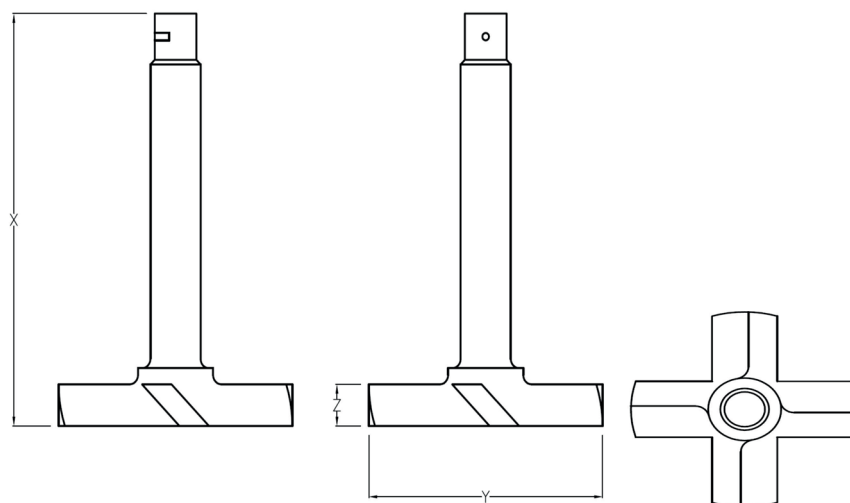
T- BAR STIRRERS



Part Number	Dimension X		Dimension Y		Type
	inches	mm.	inches	mm.	
ST501-6112	26	660	15	381	T-Bar
ST501-6113	26	660	15	381	T-Bar
ST501-8284	27	686	7 1/2	191	T-Bar
ST501-8285	27	686	7 1/2	191	T-Bar
ST501-8348	36 1/16	916	11 13/16	300	T-Bar
ST501-8349	36 1/16	916	11 13/16	300	T-Bar
ST501-8385	36 1/16	916	11 13/16	300	T-Bar
ST501-8386	36 1/16	916	11 13/16	300	T-Bar

SPECIAL STIRRERS

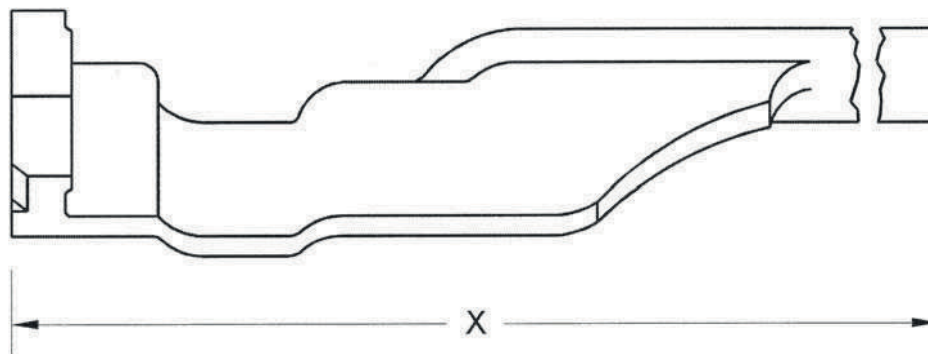
X PADDLE STIRRER



Part Number	Dimension X		Dimension Y		Dimension Z		Left /Right
	inches	mm.	inches	mm.	inches	mm.	
ST21446	35 3/64	890	18 7/64	460	3 35/64	90	RIGHT
ST21438	35 3/64	890	22 3/64	560	3 35/64	90	RIGHT
ST21448	39 3/8	1000	18 7/64	460	3 35/64	90	RIGHT
ST21442	39 3/8	1000	22 3/64	560	3 35/64	90	RIGHT
ST21450	47 1/4	1200	18 7/64	460	3 35/64	90	RIGHT
ST21444	47 1/4	1200	22 3/64	560	3 35/64	90	RIGHT
ST21445	35 3/64	890	18 7/64	460	3 35/64	90	LEFT
ST21437	35 3/64	890	22 3/64	560	3 35/64	90	LEFT
ST21447	39 3/8	1000	18 7/64	460	3 35/64	90	LEFT
ST21441	39 3/8	1000	22 3/64	560	3 35/64	90	LEFT
ST21449	47 1/4	1200	18 7/64	460	3 35/64	90	LEFT
ST21443	47 1/4	1200	22 3/64	560	3 35/64	90	LEFT

Notes

ROTOR SEGMENTS



Part Number	Quantity per set	Dimension inches	X mm.	Spout Type	Gap in.
For type 81 Feeder with 6" Tube					
SR81-3101	3	18 3/8	467	standard	
SR81-3419	3	20 5/8	524	deep	
SR81-4078	3	19 7/8	505	deep	
SR501-5125	3	19 5/8	498	deep	
For type 81 Feeder with 7" Tube					
SR81-3487	3	20 5/8	524	deep	
SR81-3488	3	18 3/8	467	standard	
SR81-4079	3	19 7/8	505	deep	
SR501-5126	3	19 5/8	498	deep	
For type 81 Feeder with 8" Tube					
SR81-4451	3	19	483	standard	
SR501-6721	3	21 1/8	537	standard	
SR501-5389	3	22 5/8	575	deep	1/4
SR501-6707	3	22 5/8	575	deep	1/2
SR501-6787	3	22 5/8	575	deep	
For type 115 Feeder					
SR115-563	3	22 9/16	573	[]	
SR115-745	3	22 9/16	573	[]	
SR115-918	3	21 13/16	554	[]	
For type 503 Feeder with 8" Tube					
SR503-6550	3	22 5/8	575	[]	
For type 503/515 Feeder with 10" Tube					
SR503-5910	3	21	533	deep	1/4
SR501-6786	3	21 1/2	546	deep	1/2
SR501-6730	3	21 3/4	553	deep	3/8
SR501-6720	3	21 3/4	553	deep	1/2
SR501-6834	3	22	559	deep	1/4
SR501-6819	3	22	559	deep	3/8
SR503-6527	3	22 3/4	578	deep	1/4
SR501-6729	3	22 3/4	578	deep	1/4
SR501-6701	3	22 3/4	578	deep	1/2
SR501-6736	3	25	635	deep	3/8
SR501-6833	3	26	660	deep	3/8

Notes

CEMENTS & POWDERS

SPOUT LUTING CEMENT –
PART NO. T.CE.AL.99.D

For filling the joint between the spout and the front channel. 1320-30
Heat set/Hot repair

ORIFICE RING LUTING CEMENT –
PART NO. T.CE.AL.40.D

A fireclay based paste for sealing the gap between the spout
and the orifice ring. 1320-455

AIR SET CEMENT –
PART NO. T.CE.AL.50.D

A general purpose mortar for jointing all forehearth brickwork. 1320-40
Supplied pre-mixed ready for use

SIL-O-CEL POWDER –
PART NO. T.IS.CA.FOX

An ultra-fine siliceous powder used for insulating between the orifice
ring and the holder. 1380-30
Supplied and installed dry. Not to be mixed with water

INSULATING MATERIAL –
PART NO. T.IS.CA.IF.1

A lightweight expanded fireclay grog used as an insulation fill
between the spout and the spout casing. 1380-80
Supplied and installed dry

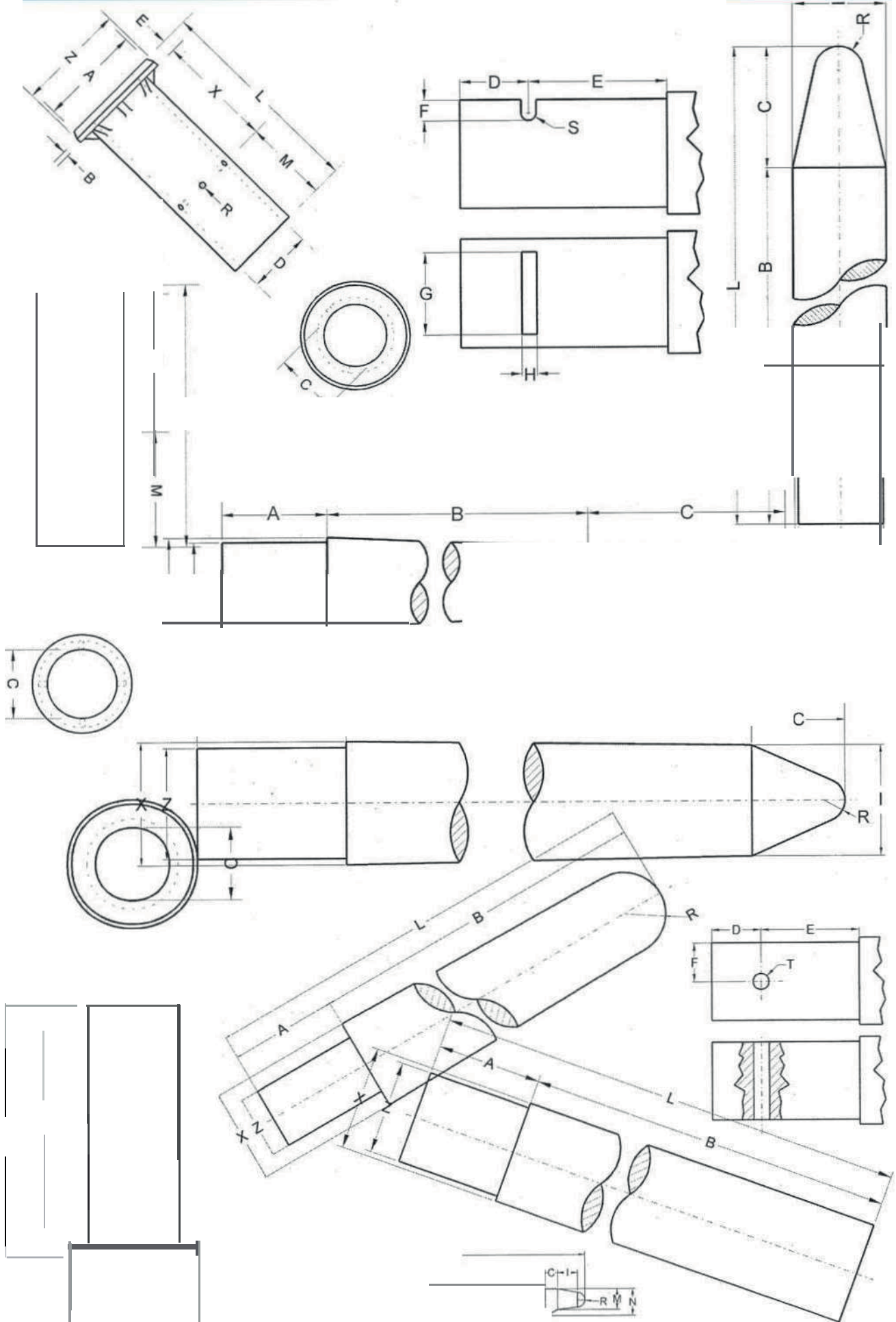
Notes

FEEDER BOWL - INSULATION KITS

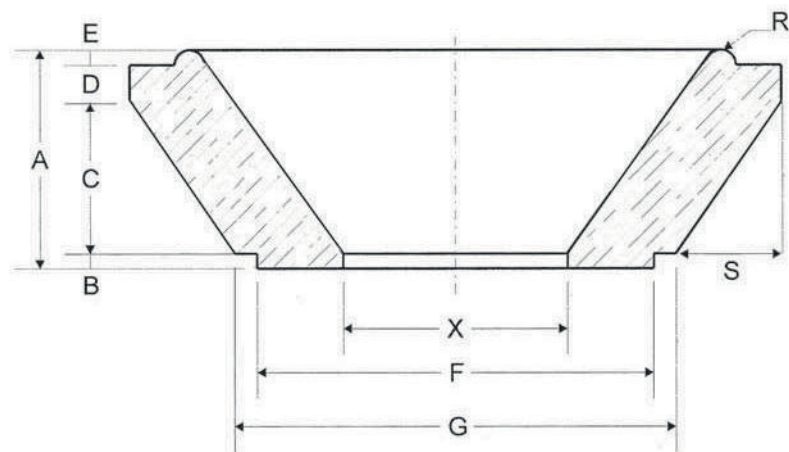
Micropore Part Number	Spout type	Spout depth	Single/double layer	Thickness
TAFBK-01	81-18" wide	standard	single	13 mm
TAFBK-02	81-18" wide	standard	double	26 mm
TAFBK-03	81-18" wide	deep	single	13 mm
TAFBK-04	81-18" wide	deep	double	26 mm
TAFBK-05	81-16" offset	deep	double	26 mm
TAFBK-10	115	deep only	single	13 mm
TAFBK-11	115	deep only	double	26 mm
TAFBK-20	144-centreline	deep	double	26 mm
TAFBK-21	144-centreline	standard	double	26 mm
TAFBK-22	144-angular shearing	standard	double	26 mm
TAFBK-23	144-angular shearing	deep	double	26 mm
TAFBK-40	194	deep	single	13 mm
TAFBK-41	194	deep	double	26 mm
TAFBK-42	194	standard	single	13 mm
TAFBK-43	194	standard	double	26 mm
TAFBK-50	503	deep only	single	13 mm
TAFBK-51	503	deep only	single	26 mm walls - 13 mm base
TAFBK-52	503	deep only	single	13 mm
TAFBK-60	515	deep only	single	13 mm
TAFBK-61	515	deep only	double	26 mm walls - 13 mm base
TAFBK-80	555	deep only	double	26 mm
TAFBK-81	555	deep only	single	13 mm

Notes

DRAW YOUR PIECE



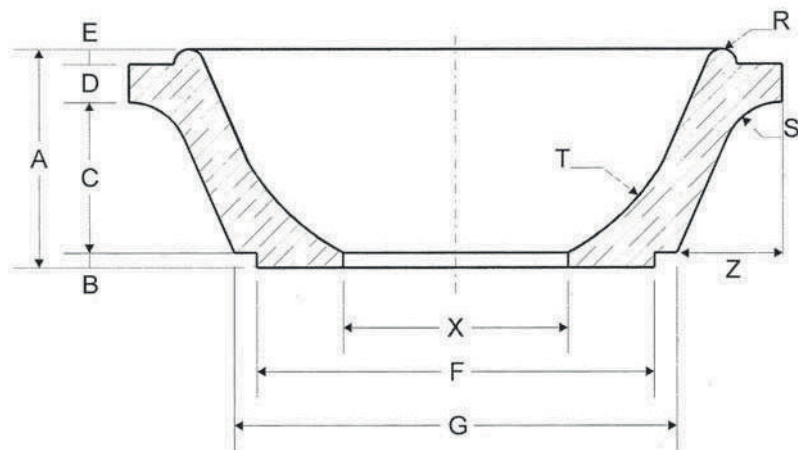
ORIFICE RINGS SINGLE GOB FOR 5" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
R					
S					
X					
No. Pieces					
Material					

All measures are expressed in mm

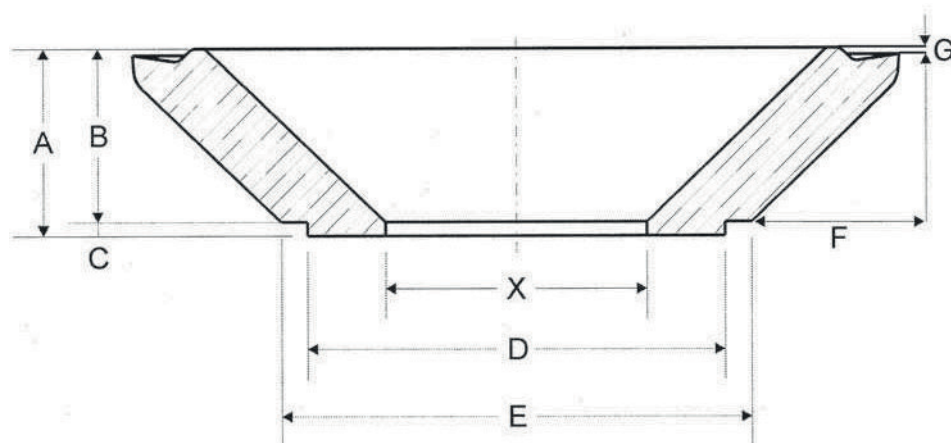
ORIFICE RINGS SINGLE GOB FOR 5" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

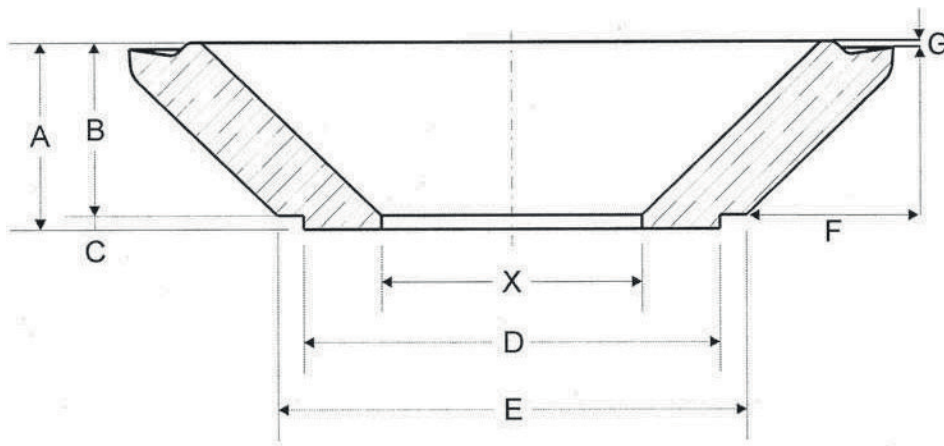
ORIFICE RINGS SINGLE GOB FOR 6" SPOUT



	1	2	3	4	5
A					
B					
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D					
E					
F					
G					
X					
No. Pieces					
Material					

All measures are expressed in mm

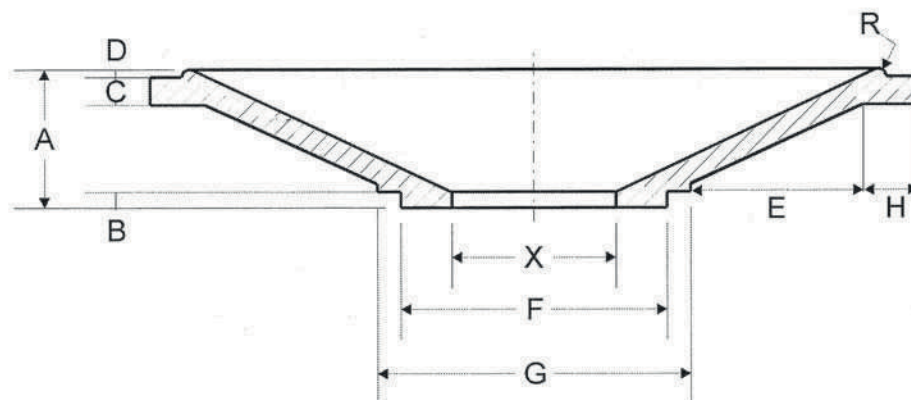
ORIFICE RINGS SINGLE GOB FOR 7" SPOUT



	1	2	3	4	5
A					
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C					
D					
E					
F					
G					
X					
No. Pieces					
Material					

All measures are expressed in mm

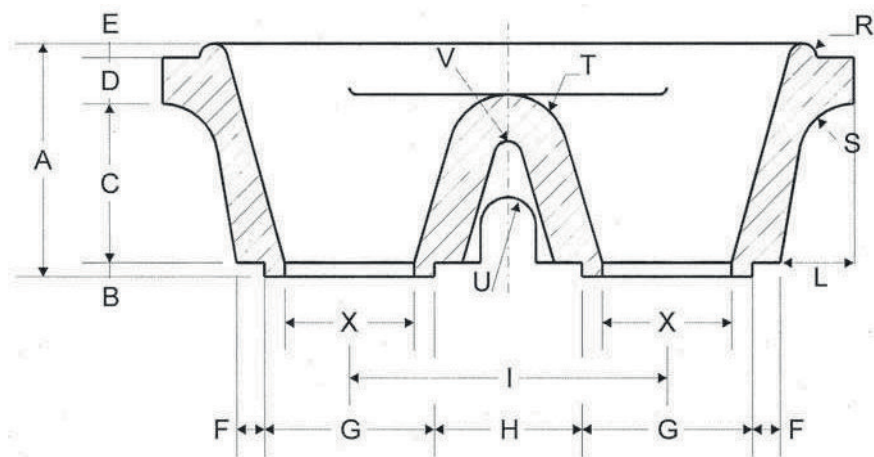
ORIFICE RINGS SINGLE GOB FOR 10" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
R					
X					
No. Pieces					
Material					

All measures are expressed in mm

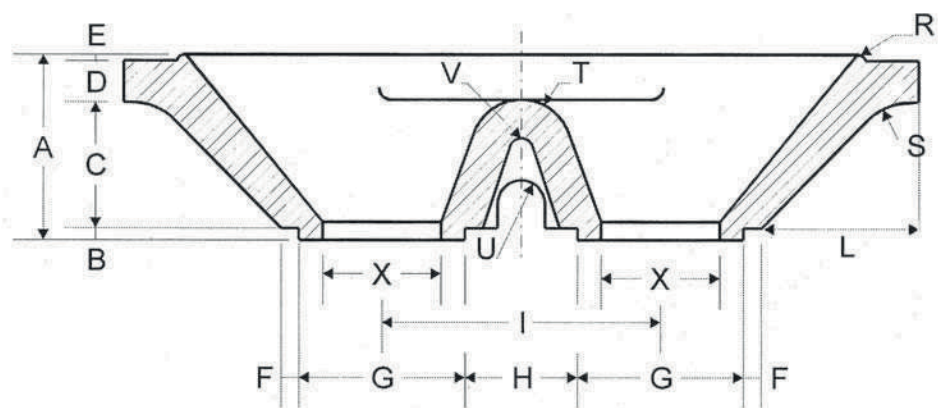
ORIFICE RINGS DOUBLE GOB FOR 5" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
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R					
S					
T					
U					
V					
X					
No. Pieces					
Material					

All measures are expressed in mm

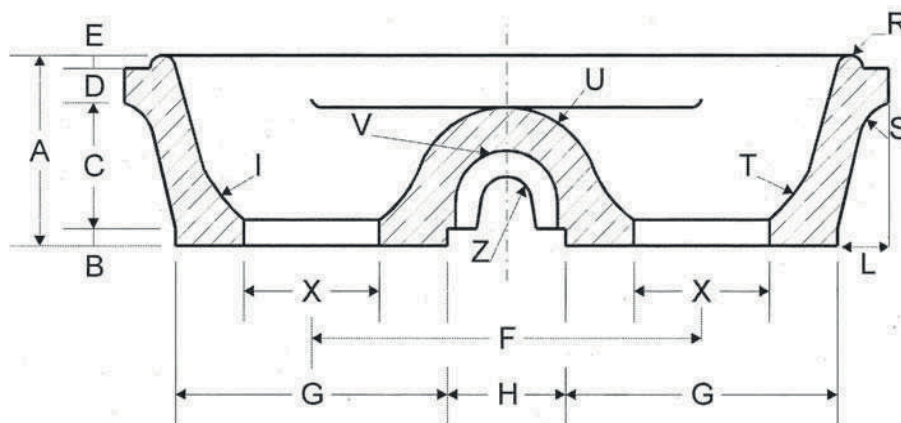
ORIFICE RINGS DOUBLE GOB FOR 7" SPOUT



	1	2	3	4	5
A					
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H					
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S					
T					
U					
V					
X					
No. Pieces					
Material					

All measures are expressed in mm

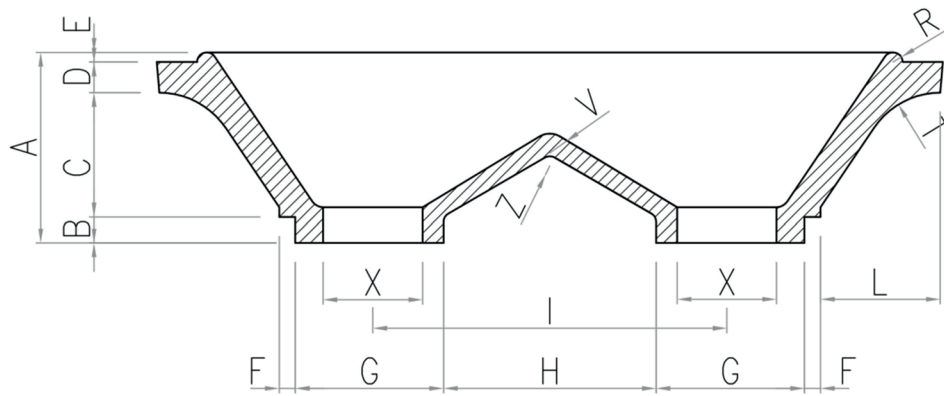
ORIFICE RINGS DOUBLE GOB FOR 7" SPOUT



	1	2	3	4	5
A					
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T					
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V					
Z					
X					
No. Pieces					
Material					

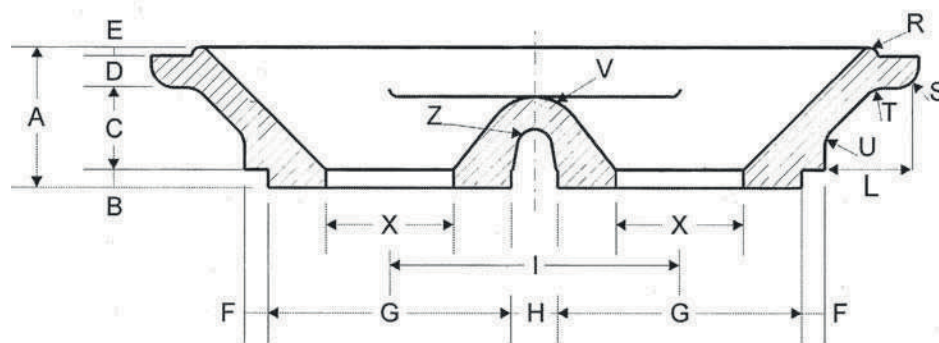
All measures are expressed in mm

ORIFICE RINGS DOUBLE GOB FOR 8" SPOUT



	1	2	3	4	5
A					
B					
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G					
H					
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L					
R					
T					
V					
Z					
X					
No. Pieces					
Material					

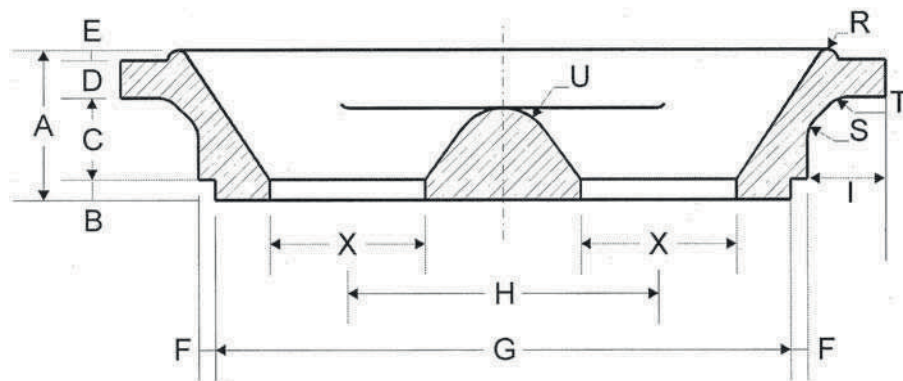
ORIFICE RINGS DOUBLE GOB FOR 10" SPOUT



	1	2	3	4	5
A					
B					
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E					
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R					
S					
T					
U					
V					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

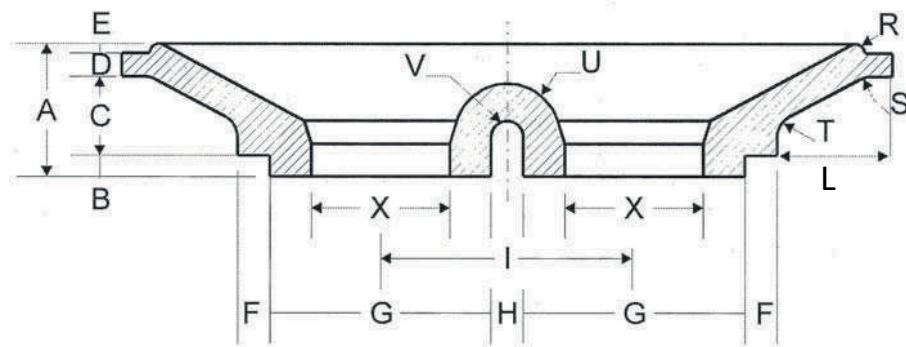
ORIFICE RINGS DOUBLE GOB SOLID BRIDGE TYPE FOR 10" SPOUT



	1	2	3	4	5
A					
B					
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R					
S					
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U					
X					
No. Pieces					
Material					

All measures are expressed in mm

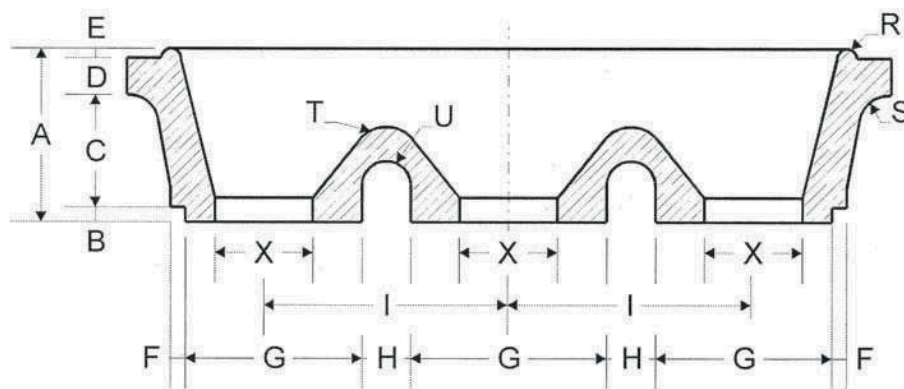
ORIFICE RINGS DOUBLE GOB FOR 12" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
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G					
H					
I					
L					
R					
S					
T					
U					
V					
X					
No. Pieces					
Material					

All measures are expressed in mm

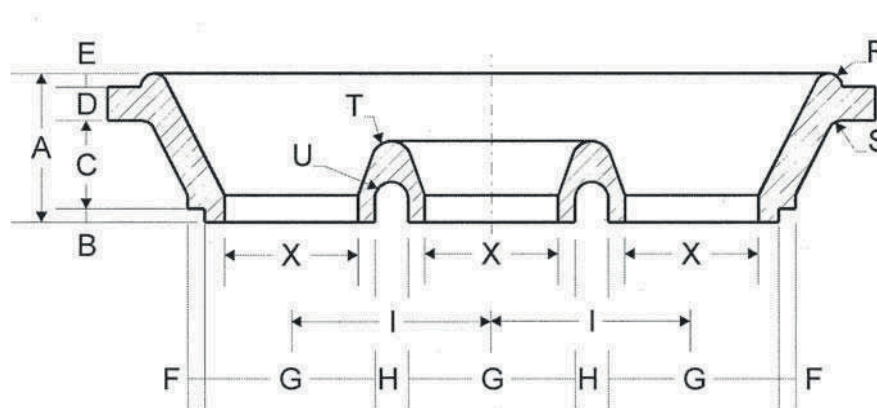
ORIFICE RINGS TRIPLE GOB FOR 8" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
R					
S					
T					
U					
X					
No. Pieces					
Material					

All measures are expressed in mm

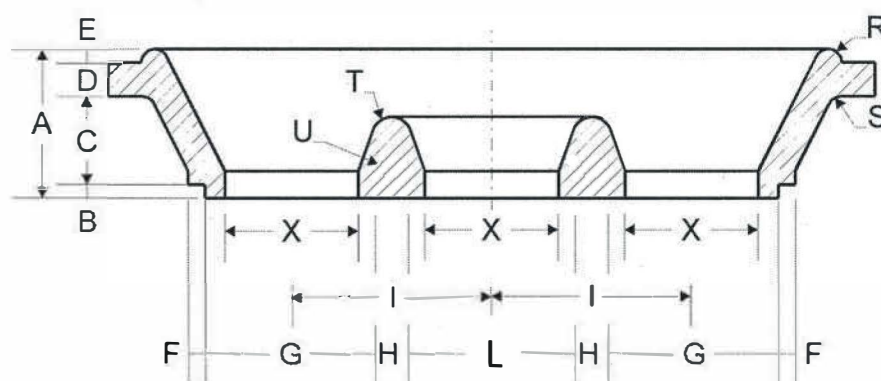
ORIFICE RINGS TRIPLE GOB FOR 10" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
R					
S					
T					
U					
X					
No. Pieces					
Material					

All measures are expressed in mm

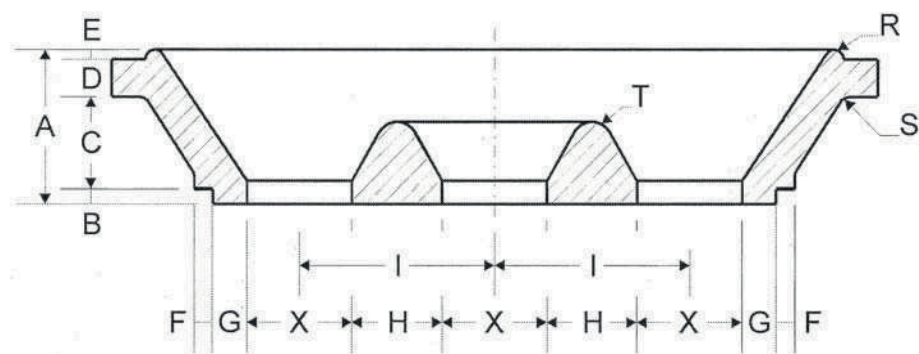
ORIFICE RINGS TRIPLE GOB SOLID BRIDGE TYPE FOR 10" SPOUT (different orifice diameter)



	1	2	3	4	5
A					
B					
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G					
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R					
S					
T					
U					
X					
No. Pieces					
Material					

All measures are expressed in mm

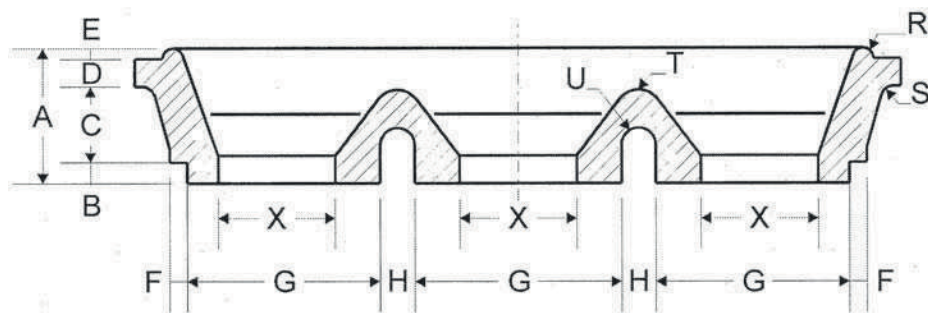
ORIFICE RINGS TRIPLE GOB SOLID BRIDGE TYPE FOR 10" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
R					
S					
T					
X					
No. Pieces					
Material					

All measures are expressed in mm

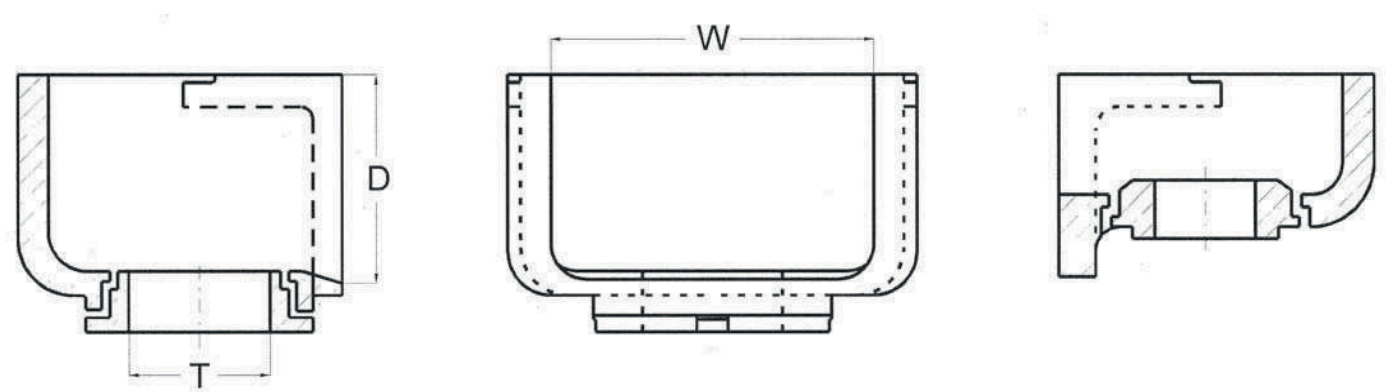
ORIFICE RINGS TRIPLE GOB FOR 12" SPOUT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
R					
S					
T					
U					
X					
No. Pieces					
Material					

All measures are expressed in mm

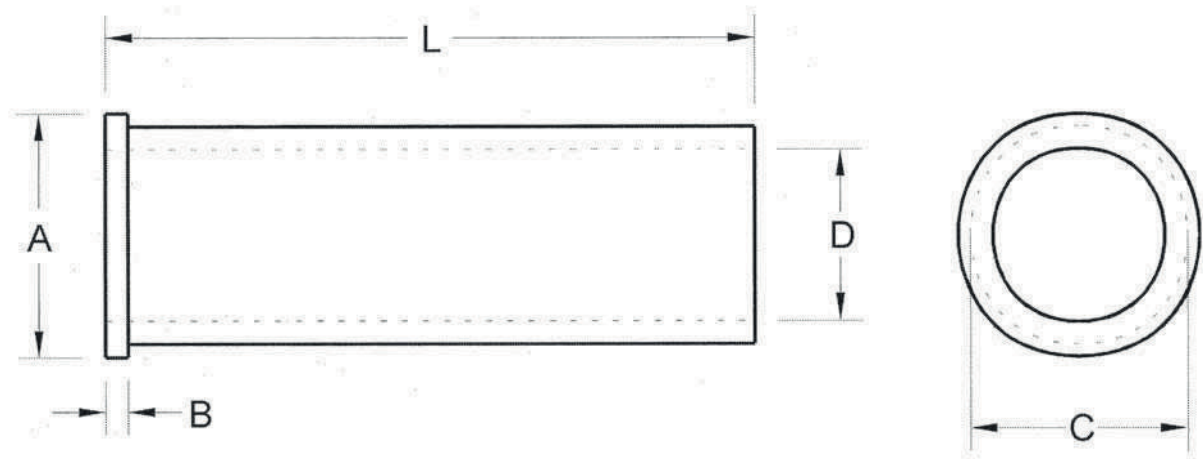
SPOUTS



	1	2	3	4	5
D					
T					
W					
No. Pieces					
Material					

All measures are expressed in mm

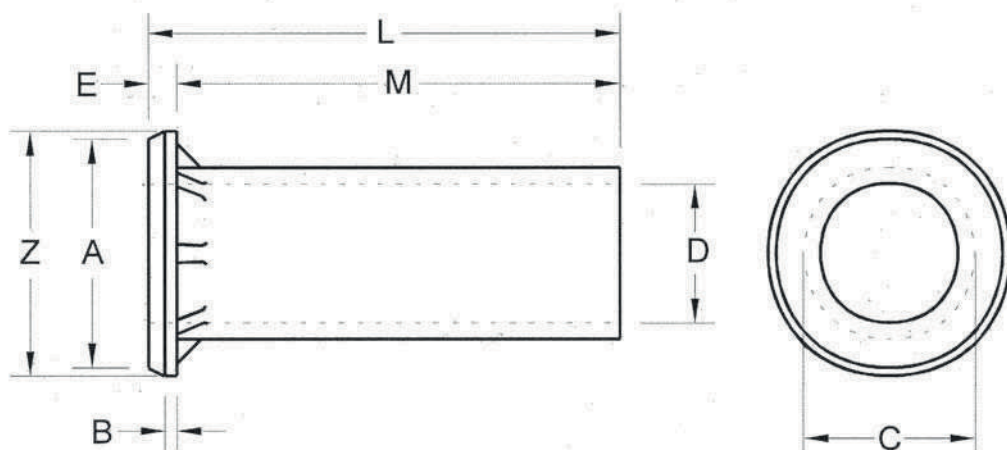
STANDARD TUBES PLAIN



	1	2	3	4	5
A					
B					
C					
D					
L					
No. Pieces					
Material					

All measures are expressed in mm

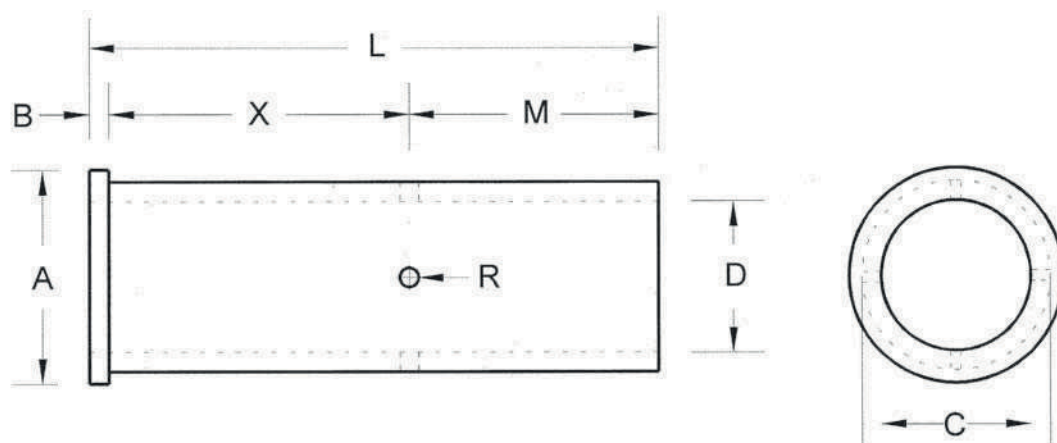
SELF CENTERING TUBES PLAIN



	1	2	3	4	5
A					
B					
C					
D					
E					
L					
M					
Z					
No. Pieces					
Material					

All measures are expressed in mm

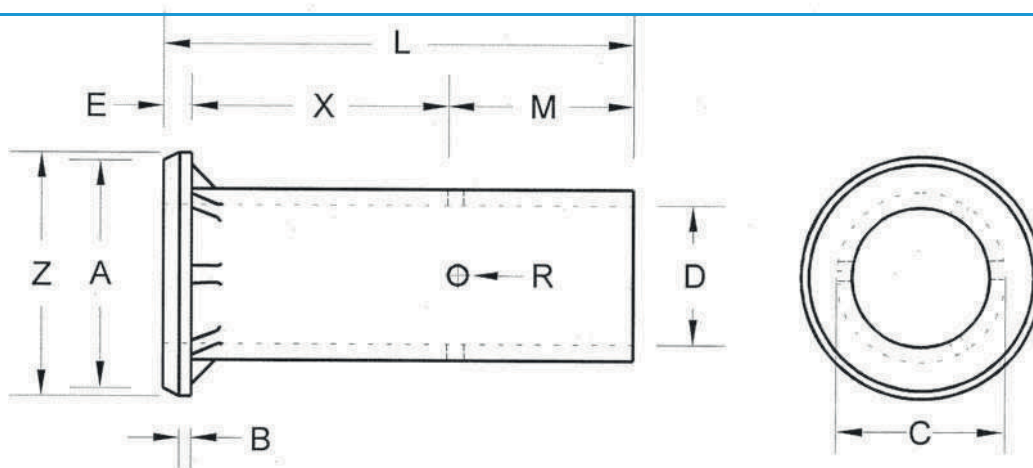
STANDARD TUBES VENTED



	1	2	3	4	5
A					
B					
C					
D					
L					
M					
R					
X					
No. Holes					
No. Pieces					
Material					

All measures are expressed in mm

SELF CENTERING TUBES VENTED

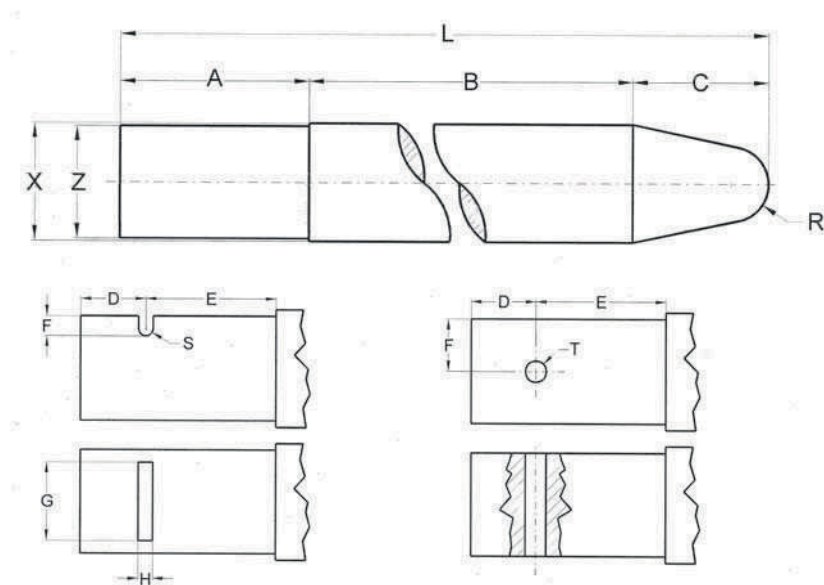


	1	2	3	4	5
A					
B					
C					
D					
E					
L					
M					
R					
Z					
X					
No. Holes					
No. Pieces					
Material					

All measures are expressed in mm

PLUNGERS

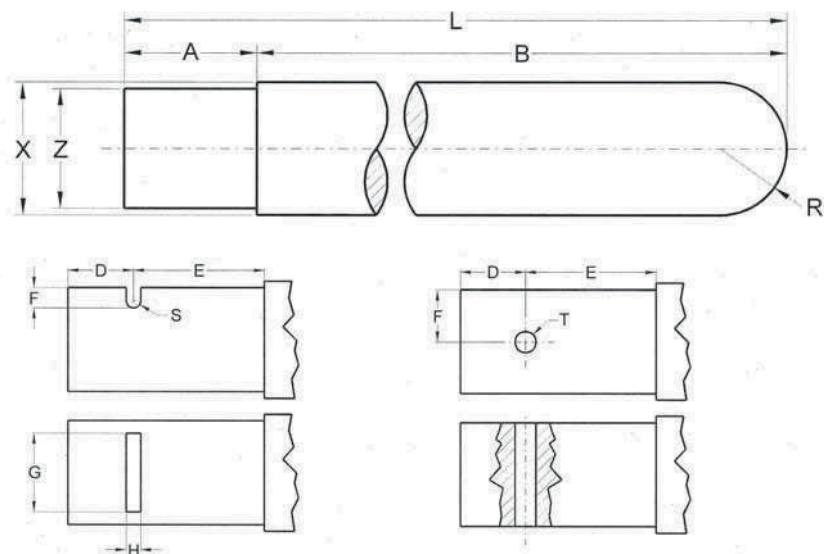
SHAPE No. 1 - STANDARD POINT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

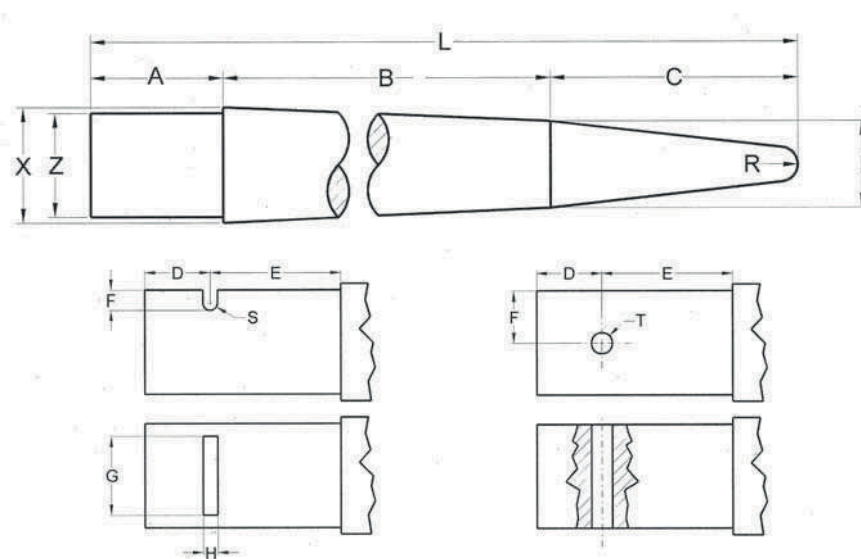
PLUNGER SHAPE No. 2 - BALL POINT



	1	2	3	4	5
A					
B					
D					
E					
F					
G					
H					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

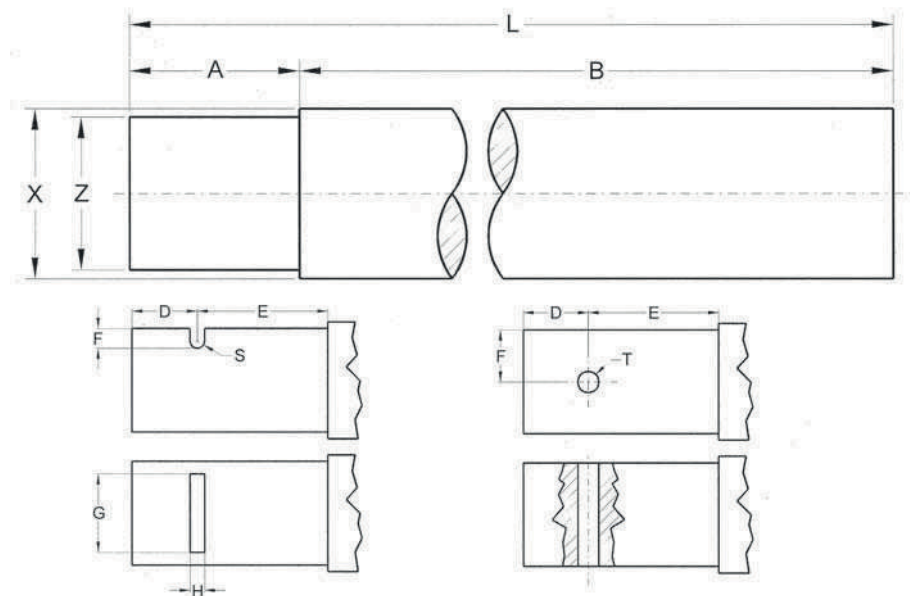
PLUNGER SHAPE No. 3 - TAPER POINT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

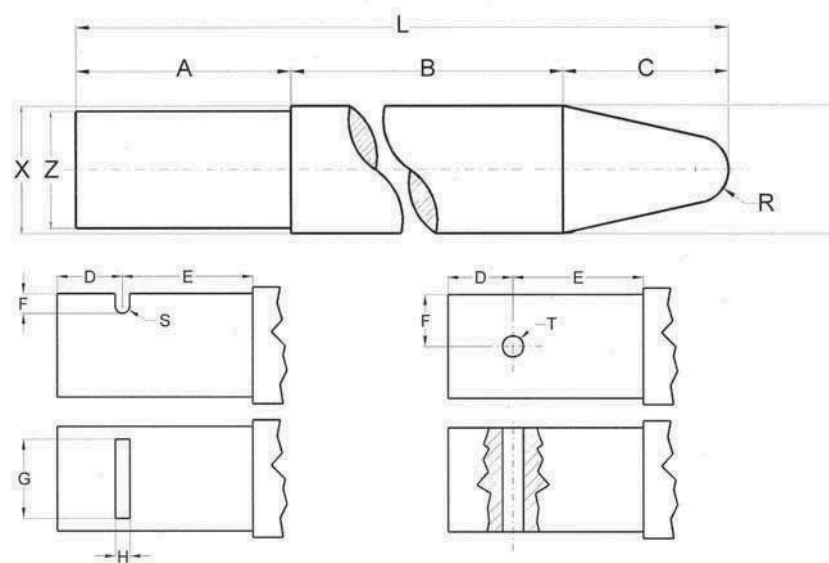
PLUNGER SHAPE No. 4 - SQUARE POINT



	1	2	3	4	5
A					
B					
D					
E					
F					
G					
H					
L					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

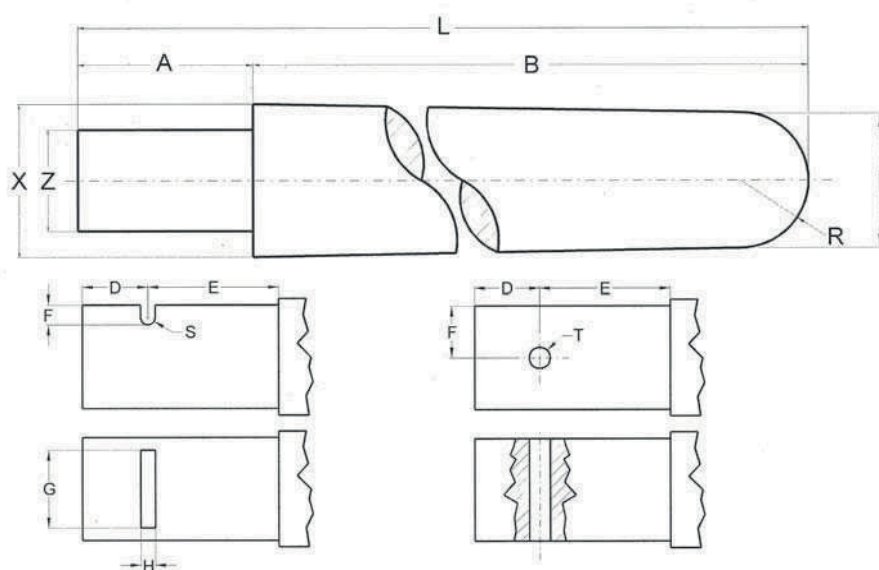
PLUNGER SHAPE No. 5 - STANDARD POINT TAPERED



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

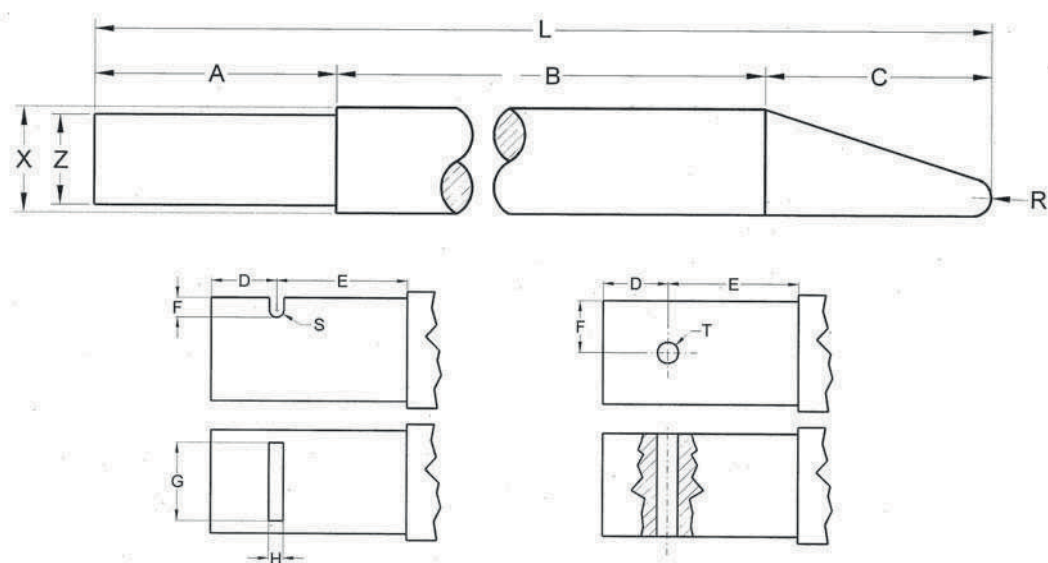
PLUNGER SHAPE No. 6 - BALL POINT TAPERED



	1	2	3	4	5
A					
B					
D					
E					
F					
G					
H					
I					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

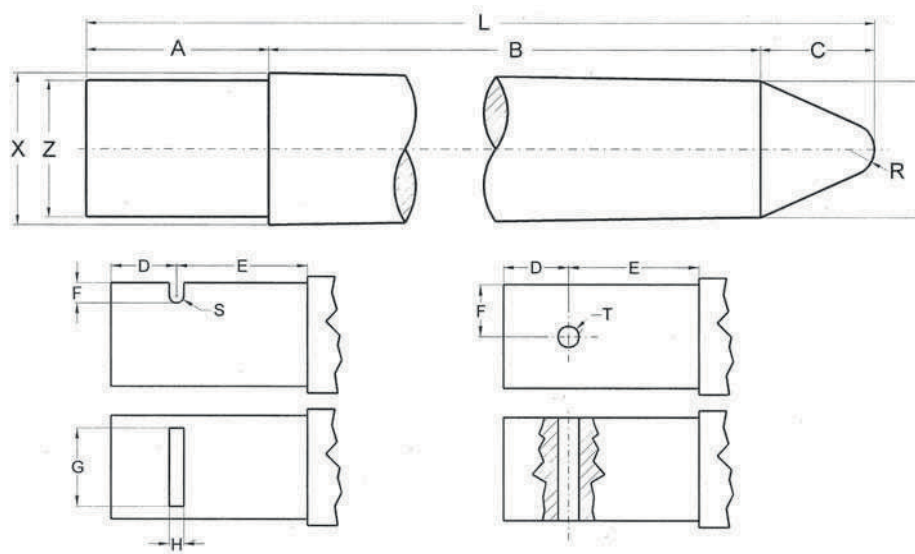
TRIPLE PLUNGERS STANDARD POINT - OFFSET POINT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

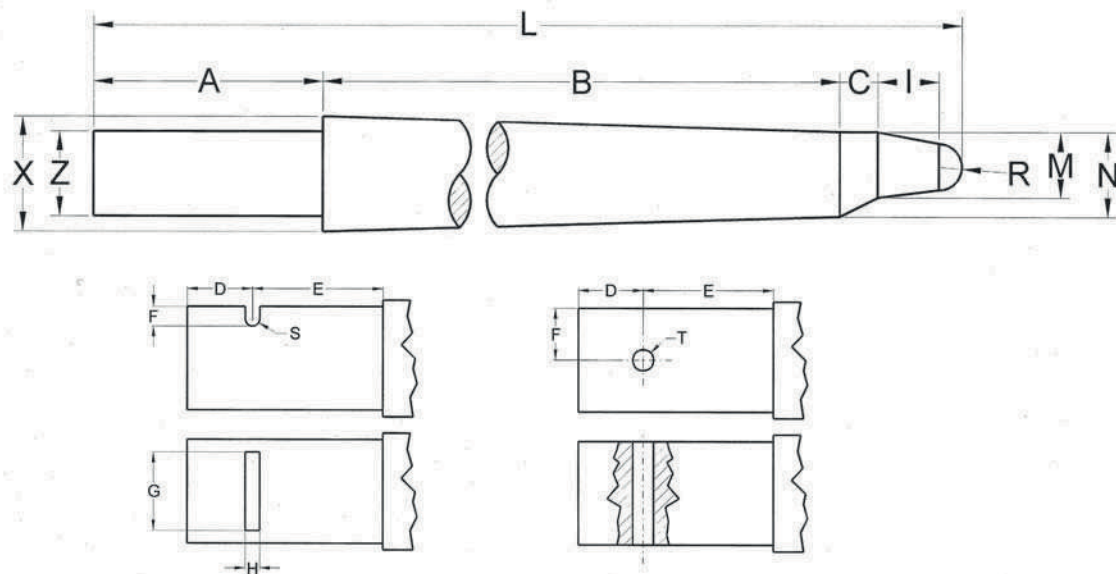
TWIN PLUNGER STANDARD POINT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
L					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

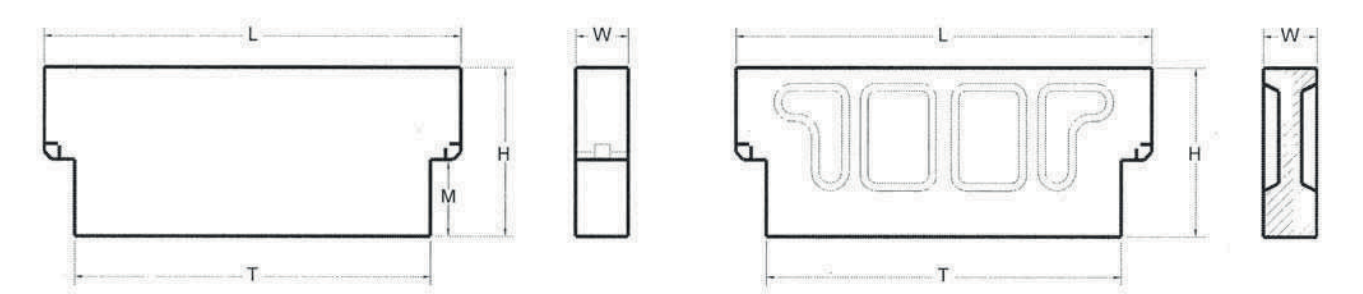
TWIN PLUNGERS OFFSET POINT



	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
I					
L					
M					
N					
R					
S					
T					
Z					
X					
No. Pieces					
Material					

All measures are expressed in mm

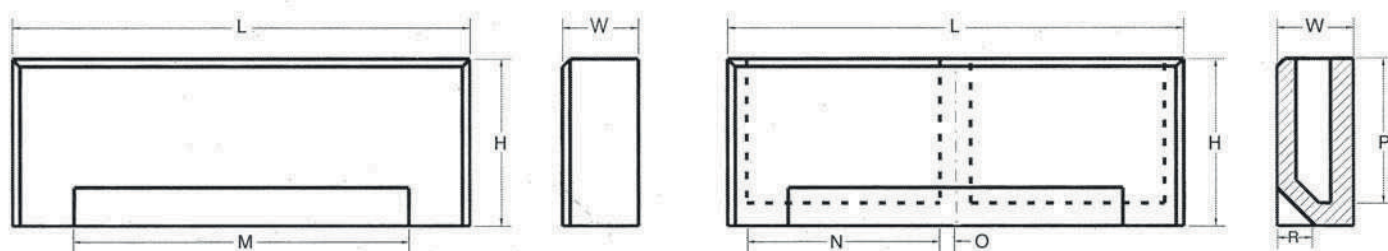
SKIMMER BLOCKS



	1	2	3	4	5
H					
L					
M					
T					
W					
No. Pieces					
Material					

All measures are expressed in mm

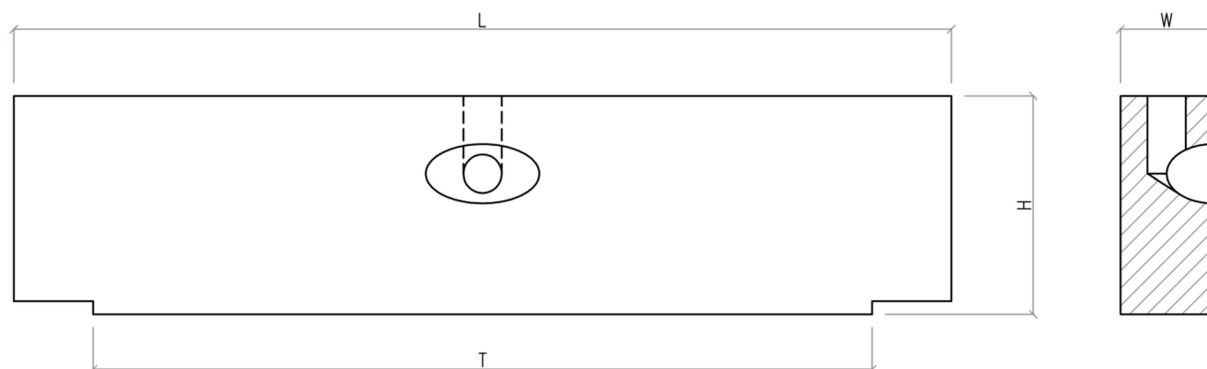
MANTLE BLOCKS (hollow)



	1	2	3	4	5
H					
L					
M					
N					
O					
P					
R					
W					
No. Pieces					
Material					

All measures are expressed in mm

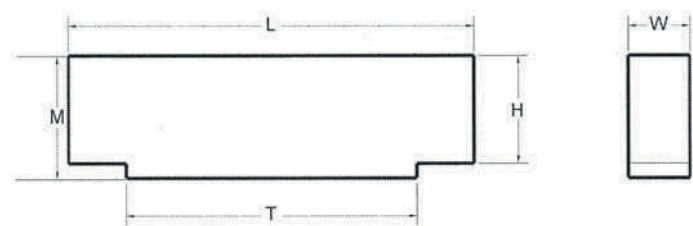
MANTLE BLOCKS (solid)



	1	2	3	4	5
H					
L					
T					
W					
No. Pieces					
Material					

All measures are expressed in mm

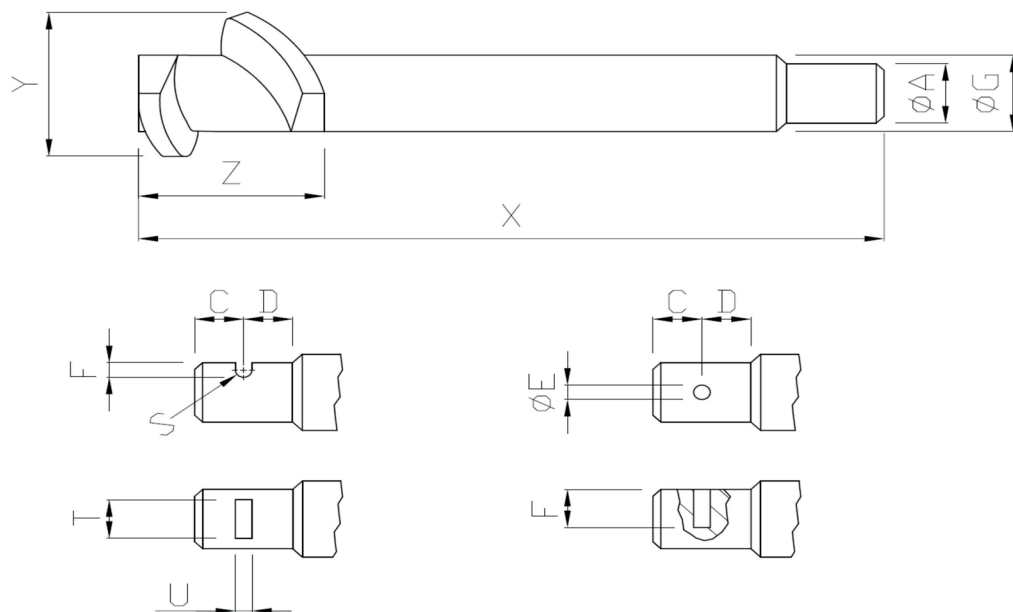
BACK BLOCKS



	1	2	3	4	5
H					
L					
M					
T					
W					
No. Pieces					
Material					

All measures are expressed in mm

HELIX STIRRERS



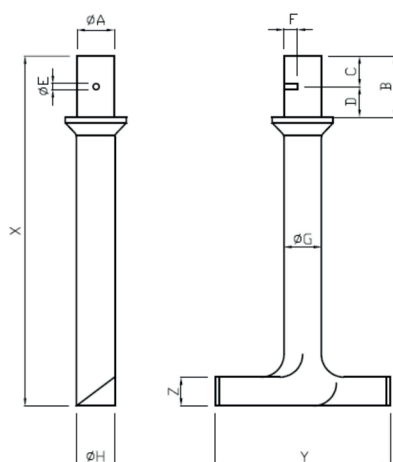
	1	2	3	4	5
A					
C					
D					
E					
F					
G					
S					
T					
U					
X					
Y					
Z					
No. Pieces					
Material					

All measures are expressed in mm

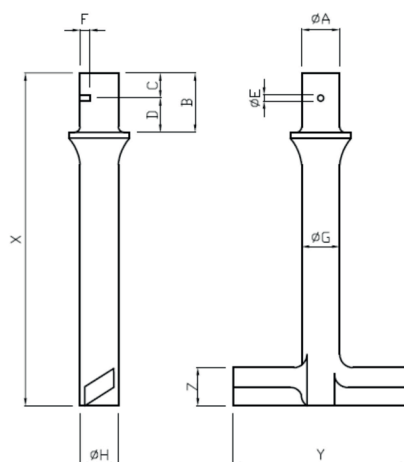
NOTE

SPECIAL STIRRERS

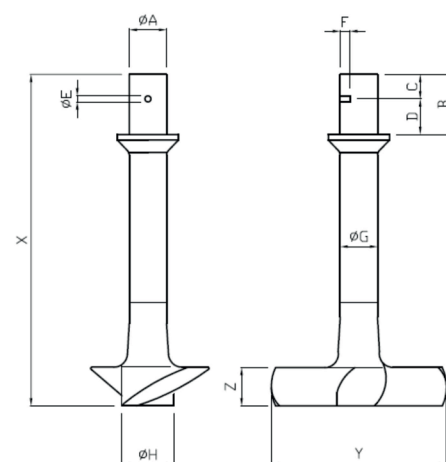
TRIANGULAR BLADES STIRRER



PADDLE STIRRER



BLADE STIRRER



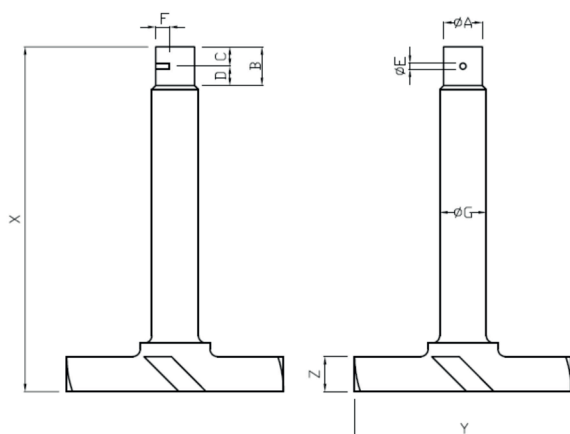
AVAILABLE BOTH RIGHT AND LEFT ROTATION

Stirrers type:					
	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
X					
Y					
Z					
No. Pieces					
Material					

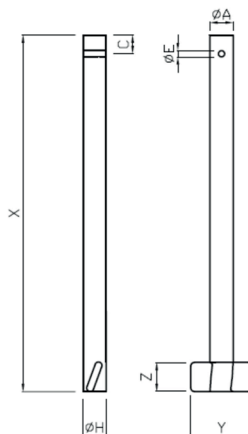
All measures are expressed in mm

SPECIAL STIRRERS

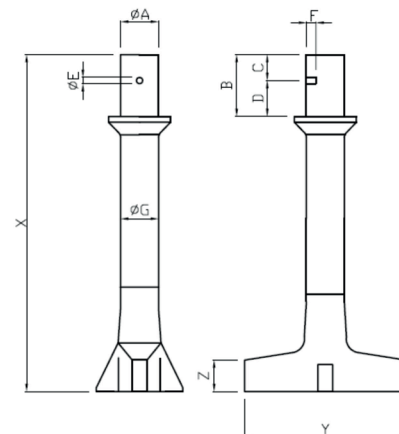
X PADDLE STIRRERS



SMALL PADDLE STIRRERS



T-BAR STIRRERS

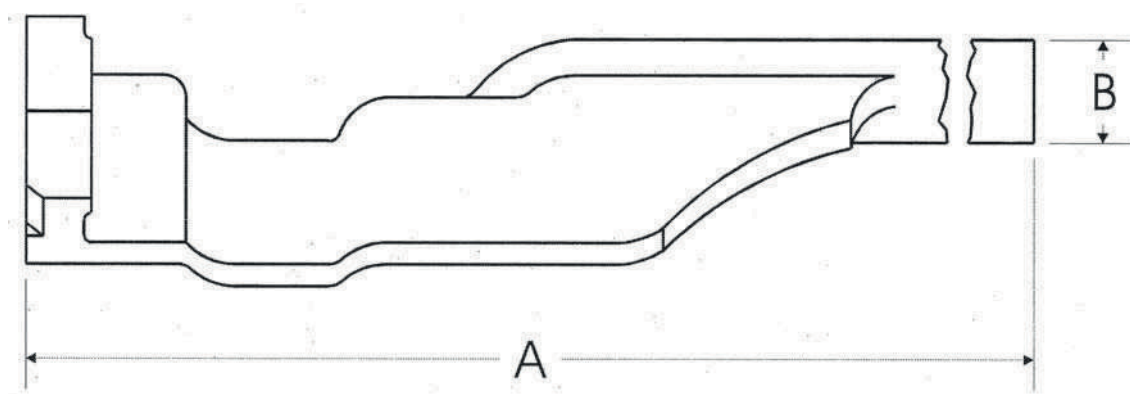


AVAILABLE BOTH RIGHT AND LEFT ROTATION

Stirrers type:					
	1	2	3	4	5
A					
B					
C					
D					
E					
F					
G					
H					
X					
Y					
Z					
No. Pieces					
Material					

All measures are expressed in mm

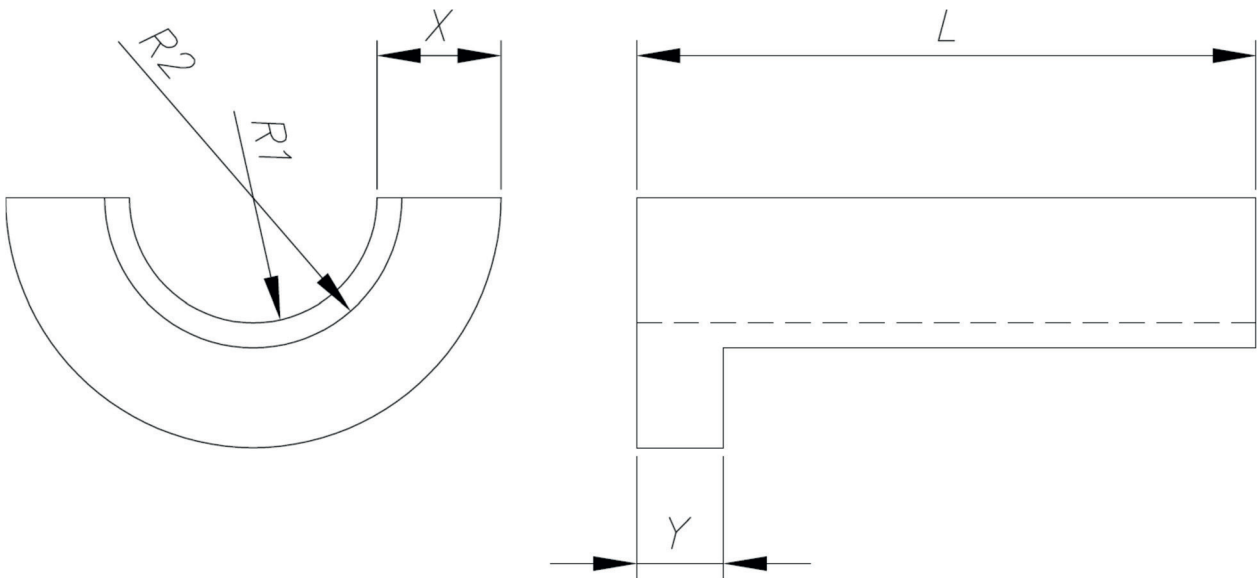
ROTOR SEGMENTS



	1	2	3	4	5
A					
B					
No. Pieces					
Material					

All measures are expressed in mm

STIRRER SLEEVES



	1	2	3	4	5
L					
X					
Y					
R1					
R2					
No. Pieces					
Material					

All measures are expressed in mm

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