

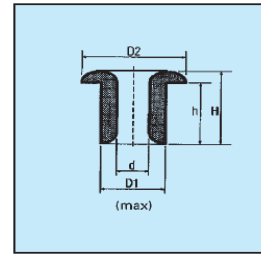


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STANDARD EYELETS

Flanged Eyelets

(On a minimum quantity of 5000 dimension h can be changed on most eyelets without additional tool cost)



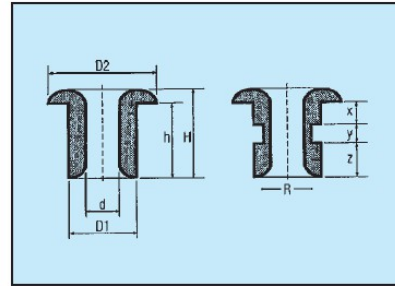
Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm
FT398	2.10	1.00	7.10	2.50	6.00
E002	2.10	1.00	3.00	3.10	2.00
E936	2.10	1.00	5.00	3.10	4.00
E885	2.15	1.00	2.10	3.20	1.20
E889S	2.60	1.40	3.00	3.80	2.00
E889	2.60	1.40	4.00	3.80	3.00
E136B	2.60	1.40	5.00	3.80	4.00
FT555	2.60	1.40	6.80	3.80	5.50
FT555L	2.60	1.40	8.30	3.80	7.00
E886	2.90	1.10	4.20	4.90	3.00
E952	2.90	1.50	6.50	4.80	5.00
E913	3.00	1.40	4.00	4.90	3.00
E972	3.00	1.50	7.50	4.80	6.00
E915	3.10	1.60	3.10	4.20	2.00
E001	3.10	1.70	2.00	4.20	1.00
E862	3.10	1.60	4.20	4.30	3.00
E971	3.30	1.60	3.20	5.50	2.40
E940	3.30	1.60	3.30	5.60	2.50
E951	3.30	1.70	4.75	5.70	3.50
E881	3.80	2.00	6.60	4.80	5.00
E176	3.85	2.00	5.25	5.50	3.20
E266	3.90	1.40	4.55	5.50	3.00
E868	3.90	1.90	4.00	7.00	2.50
E035	3.90	2.20	5.25	5.50	4.25
E948	3.95	2.00	4.20	5.50	3.00
E328	3.95	2.10	5.35	4.95	4.25
E839	4.00	1.90	4.30	5.55	3.00
E897	4.00	2.00	4.60	5.80	2.50
E923	4.10	2.70	5.00	5.00	4.00
E269S	4.30	2.50	5.85	5.80	4.70
E269	4.30	2.00	8.95	5.80	7.50
E843	4.30	2.50	4.35	5.80	3.00
E924	4.30	2.00	7.40	5.90	5.90
E953	4.60	1.90	3.80	6.60	2.80
E863	4.90	3.30	4.50	6.50	3.00
E865	4.90	3.30	5.60	6.50	4.00
E067	5.10	1.90	6.95	6.55	5.40
E864	5.10	1.90	3.50	6.60	2.50
E874	5.10	2.00	4.60	6.70	3.00
E979	5.20	3.30	7.00	6.80	5.00
E918	5.20	3.30	4.00	6.80	2.80
E918L	5.20	3.30	5.40	7.80	4.75
E906	5.30	2.30	4.70	7.00	3.20
E335	5.35	3.20	5.10	7.15	4.10
E911	5.40	3.30	5.20	7.00	4.00
E336	5.40	3.20	6.50	8.00	5.00
E892	5.40	3.30	7.40	7.00	6.00
E064	5.60	2.36	4.75	7.14	3.18
E305	5.60	4.00	4.70	7.00	3.20
E307	5.70	3.20	6.35	7.90	5.10
E849	5.90	2.90	5.90	7.70	4.00
E850	5.90	2.80	7.60	7.70	5.80
E942S	5.95	3.40	3.00	7.75	2.00
E166	6.00	2.85	10.00	8.00	7.75
E825	6.00	3.00	4.70	8.15	3.00

Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm
E919	6.00	3.40	5.00	8.00	3.00
E942	6.00	3.40	6.00	7.80	4.00
E120	6.00	3.20	8.00	7.90	6.20
E980	6.00	4.00	5.00	9.00	3.00
E961	6.00	3.50	5.00	8.00	3.00
E941L	6.00	3.40	8.00	8.00	6.50
E914	6.10	3.30	3.50	7.50	2.00
E039	6.10	3.50	4.50	7.50	3.50
E004B	6.10	3.40	5.70	8.00	3.75
E941	6.10	3.40	6.50	7.80	5.00
E171	6.20	4.00	8.00	8.50	6.50
E963	6.20	4.00	10.00	10.25	7.80
E004D	6.25	2.80	5.80	7.90	4.00
E856	6.30	3.30	2.80	8.00	1.80
E857	6.40	3.50	3.50	7.90	2.50
E888	6.40	3.50	4.50	8.00	3.50
E870	6.40	3.90	8.00	8.70	6.40
E964	6.40	3.00	4.70	10.70	3.00
E329L	6.45	4.00	8.60	8.70	6.50
E177	6.45	3.00	10.36	10.60	8.40
E329S	6.50	4.00	4.60	8.70	3.00
E329	6.50	4.00	6.50	8.70	5.00
E848	6.70	3.80	7.50	8.80	6.00
E869	6.80	3.80	7.40	8.80	6.00
E815	7.00	4.50	8.00	9.00	6.80
E066	7.00	4.00	9.80	10.00	8.00
E965	7.00	4.00	11.80	10.00	10.00
E854	7.10	4.50	7.00	9.20	5.30
E937	7.10	2.70	4.50	9.20	2.80
E835	7.20	4.60	7.70	9.90	6.00
E958	7.15	3.80	7.10	9.20	5.30
E927	7.35	3.80	9.00	9.70	7.00
E982	7.35	4.80	3.00	10.00	1.50
E983	7.35	4.80	5.50	10.00	4.00
E921	7.40	3.50	11.00	9.00	9.00
E308	7.40	3.90	9.00	9.50	7.00
E308S	7.40	3.90	7.40	9.50	5.50
E070	7.50	3.25	7.14	9.90	5.10
E939	7.50	3.90	8.00	9.50	6.00
E954	7.50	5.50	9.00	9.60	6.80
E330	7.50	3.80	6.60	10.00	4.80
E330L	7.50	4.40	7.40	10.00	5.30
E038	7.60	4.50	7.00	9.50	5.00
E381	7.60	4.50	11.00	9.50	9.00
E950	7.60	5.50	15.85	9.50	13.30
E956	7.60	5.50	13.50	9.50	11.50
E823	7.70	4.90	3.00	8.45	2.00
E823L	7.70	4.90	3.70	10.70	2.00
E928	7.70	4.70	8.70	10.60	7.00
E341	7.70	4.75	5.55	10.80	3.65
E866S	8.10	4.10	6.40	10.00	4.40
E866	8.10	4.10	8.30	10.00	6.40
E946	8.10	6.00	5.00	11.00	3.00
E967	8.10	3.00	16.50	9.40	15.00
E946S	8.20	6.00	3.60	11.00	1.50

Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm
E832	8.60	4.20	7.00	9.90	5.40
E829	8.70	4.80	5.00	10.70	3.50
E859	8.70	4.60	13.90	10.75	11.80
E241	8.70	4.75	7.90	10.00	5.90
E241L	8.70	4.75	10.00	10.70	8.00
E109B	8.80	5.30	13.20	12.90	11.30
E926	8.90	4.70	10.20	10.60	8.30
E103	8.90	5.30	16.00	12.90	14.00
E321	8.90	5.00	20.00	10.60	17.00
E108	9.00	4.75	13.00	10.70	11.00
E901	9.10	4.00	7.00	13.00	5.00
E109D	9.15	5.00	12.70	11.00	10.55
E049	9.20	5.30	8.60	11.50	6.85
E955	9.50	6.20	7.90	12.00	5.50
E830	9.55	6.20	6.65	12.00	4.00
E943	9.60	4.70	9.50	12.70	6.30
E968	9.60	5.50	8.20	11.70	6.00
E975	9.60	6.60	7.80	13.20	1.80
E876	9.60	2.00	8.00	12.70	5.40
E828	9.70	6.20	9.00	12.00	7.00
E063	9.70	6.20	4.70	12.00	2.50
E062	9.70	6.20	10.50	12.00	8.35
E973	9.90	4.70	7.10	12.85	4.60
E934	9.90	5.30	25.00	14.70	22.00
E878	9.95	6.10	4.40	11.90	2.80
E959	10.00	6.00	12.80	12.00	8.80
E879L	10.00	6.10	8.50	11.90	7.00
E879	10.00	6.10	4.40	11.90	2.75
E978	10.00	6.30	15.60	13.50	11.00
E384	10.00	4.00	15.00	12.00	11.00
E385	10.00	5.00	15.00	12.00	11.00
E386	10.00	6.00	15.00	12.00	11.00
E900	10.00	7.00	11.00	12.10	9.00
E900L	10.00	7.00	12.50	12.10	9.00
E042	10.00	7.00	6.00	12.10	4.00

Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm
E935	10.10	7.00	5.00	12.10	3.00
E212	10.10	5.00	8.60	12.00	6.40
E875	10.50	7.90	8.00	12.85	4.00
E970	11.00	6.50	9.25	14.00	6.75
E969	11.00	6.50	12.70	14.00	10.20
E909	11.05	7.50	6.60	14.00	5.00
E910	11.45	7.00	9.10	14.00	7.00
E050	11.80	7.60	10.00	15.40	7.50
E377	11.95	7.60	10.20	15.45	7.20
E301B	12.00	7.60	7.00	15.40	4.00
E949	12.00	7.50	8.50	15.50	6.25
E962	12.40	8.75	9.00	16.00	7.00
E378	12.40	8.75	10.30	16.00	7.00
E144	12.55	6.80	9.80	15.80	6.30
E143	12.65	8.75	10.30	15.90	7.15
E895	12.75	4.50	7.00	15.70	4.00
E896	12.95	8.75	10.10	18.20	8.00
E041	14.15	10.00	6.00	16.00	4.00
E041L	14.15	10.00	9.60	16.00	7.50
E820	15.45	10.00	8.40	19.50	5.40
E922	15.45	9.60	17.00	19.50	14.00
E840	15.45	9.70	13.50	19.75	10.00
E842	18.55	12.00	13.60	22.00	10.00
E836	19.80	13.90	12.50	25.70	9.10
E871	22.25	16.00	11.00	28.30	7.00
E871L	22.25	16.00	14.00	28.30	10.00
E847	22.25	13.00	14.00	28.20	9.00
E960	24.25	19.00	11.00	30.00	7.00
E925	25.85	20.00	8.00	31.50	6.00
E861	30.10	20.00	25.00	35.00	20.00
E861S	30.10	20.20	10.00	35.00	5.00
E891	35.35	24.00	11.00	38.00	8.00
E966C	40.00	30.00	10.00	44.00	6.80
E938	41.80	33.00	10.80	47.50	6.80

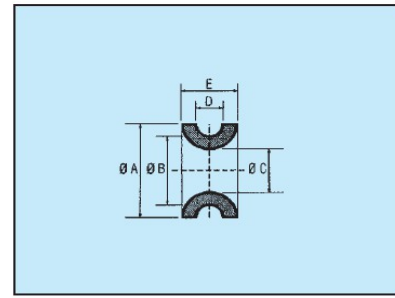
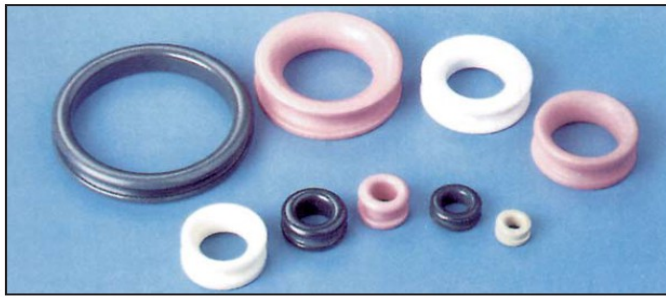
Grooved Eyelets



Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm	x mm	y mm	z mm	R mm
E430	4.45	1.50	4.80	5.80	3.45	1.55	0.80	1.10	3.60
E474	4.60	2.00	4.80	5.80	3.70	1.90	0.80	1.00	3.80
E487	5.90	3.00	7.00	8.30	5.00	1.00	1.30	2.70	4.50
E422	6.10	3.10	5.00	7.50	3.80	1.40	1.00	1.40	5.20
E445	6.20	3.00	10.50	8.00	7.00	4.00	1.00	2.00	5.40
E472	6.30	3.00	5.80	7.90	4.00	1.60	1.00	1.40	5.20
E494	6.60	3.80	5.80	8.70	3.95	1.40	0.75	1.80	5.60
E453	6.70	3.70	9.70	8.70	7.80	5.00	1.20	1.60	5.60
E458	7.40	4.10	8.00	10.40	6.30	3.20	1.30	1.80	6.00
E473	7.40	3.40	10.60	8.80	8.40	5.90	1.10	1.40	5.90
E467	7.60	3.50	7.10	9.00	5.00	1.85	1.10	2.15	6.50
E408	7.80	4.00	7.50	9.90	5.80	3.00	1.20	1.60	6.80
E493	7.80	4.00	8.20	9.40	6.70	3.50	1.10	2.10	6.60
E431	8.00	3.90	10.50	10.00	8.30	4.80	1.00	2.50	7.00
E424	8.00	4.50	4.70	10.00	3.30	1.20	1.00	1.10	7.00
E451	8.00	3.80	6.40	9.70	4.90	1.90	1.10	1.90	7.10
E420A	8.00	1.20	8.50	9.60	6.70	3.70	1.00	2.00	7.00

Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm	x mm	y mm	z mm	R mm
E420B	8.00	1.50	8.50	9.60	6.70	3.70	1.00	2.00	7.00
E420C	8.00	3.60	8.50	9.60	6.70	3.70	1.00	2.00	7.00
E483	8.50	4.10	7.20	10.00	5.40	2.50	1.00	1.90	7.00
E446	8.50	4.20	7.00	10.00	5.50	2.80	1.00	1.70	6.90
E441	8.80	4.50	7.20	10.00	6.00	3.00	1.00	2.00	7.70
E433	9.50	6.20	9.10	12.00	6.60	3.40	1.50	1.70	8.00
E434	9.60	6.30	10.70	12.20	8.50	4.90	1.40	2.20	8.00
E432	9.90	6.60	8.00	13.00	6.00	3.20	1.30	1.50	8.50
E466	9.90	4.70	7.10	12.90	4.65	2.15	1.10	1.40	8.60
E435	11.90	7.60	10.20	15.60	7.00	3.00	2.00	2.00	10.00
E429	12.00	8.00	11.50	15.30	8.60	5.00	1.00	2.60	10.40
E425	12.70	4.80	10.80	15.90	7.60	3.00	2.45	2.15	10.30
E402	12.90	8.70	10.30	16.00	8.00	4.20	1.80	2.00	11.20
E427	13.70	4.20	15.30	38.60	9.90	7.00	1.50	1.40	12.00
E421	15.00	9.80	9.50	20.50	6.15	2.80	1.20	2.15	13.40
E410	18.60	12.00	16.70	22.00	13.05	9.80	1.25	2.00	16.50

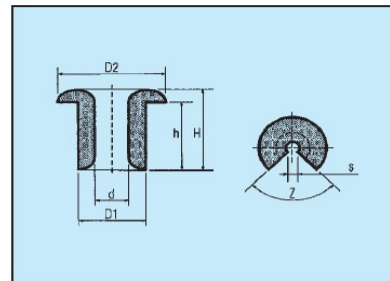
Double Flanged Eyelets



Ref.No	A mm	B mm	C mm	D mm	E mm
DF46	4.30	3.40	2.60	1.00	2.60
DF29	5.10	3.50	1.90	2.50	4.90
DF1	5.50	4.30	2.50	1.00	3.20
DF32	5.50	4.50	3.30	1.10	2.50
DF2	7.00	5.00	3.00	1.00	3.50
DF35	7.50	6.00	3.60	3.40	6.40
DF4	8.00	6.20	3.00	1.20	4.00
DF20	8.00	6.20	3.30	1.60	4.10
DF14	8.00	6.10	3.10	1.60	4.80
DF16	8.00	6.50	3.10	0.90	4.00
DF15	8.10	5.60	3.40	1.60	6.50
DF5	8.20	6.00	4.00	1.40	3.40
DF6	8.20	6.10	4.00	2.70	5.60
DF17	8.20	7.00	4.30	4.30	7.00
DF36	8.50	6.00	4.00	2.00	5.40

Ref.No	A mm	B mm	C mm	D mm	E mm
DF7	8.50	7.40	3.10	2.70	5.80
DF33	8.60	7.50	3.10	3.20	6.50
DF8	9.10	6.80	4.80	1.20	4.00
DF22	9.10	6.10	3.30	2.60	6.50
DF13	10.30	7.00	4.80	2.50	5.30
DF9	10.40	9.10	5.00	0.90	4.00
DF18	11.10	9.30	5.00	0.80	4.50
DF12	11.90	9.00	6.00	2.00	6.20
DF21	13.00	10.00	6.50	6.50	12.00
DF28	13.25	10.60	7.25	2.50	6.00
DF25	15.00	11.50	7.90	1.50	5.50
DF47	15.00	11.50	7.80	2.50	7.00
DF26	18.50	15.00	10.00	3.00	6.00
DF37	20.00	11.50	6.00	3.60	9.00
DF11	24.50	20.50	14.60	3.50	7.20
DF38	28.50	20.80	14.30	6.30	13.50
DF27	33.20	31.00	26.10	2.00	5.30

Split Eyelets

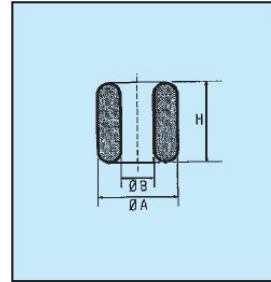
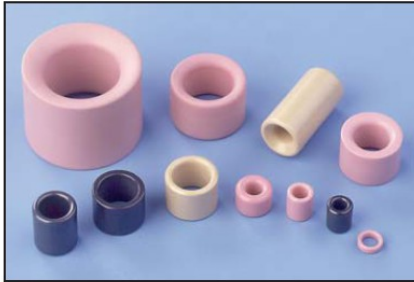


Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm	s mm	z mm
E628	3.60	2.00	4.20	5.30	3.00	0.80	2.40
E627B	3.90	1.60	4.20	5.20	3.00	0.80	2.00
E651	6.00	3.00	2.00	10.00	1.00	1.20	5.00
E624	6.10	3.00	4.25	8.00	3.00	1.50	1.50
E653	6.60	3.00	7.60	7.80	6.40	2.60	2.60
E639	6.80	3.80	3.00	9.00	1.40	1.70	3.00
E637	6.90	3.80	6.50	9.00	5.00	1.70	3.00
E638	7.10	1.50	5.00	9.00	3.20	1.00	5.40
E617	7.40	3.80	8.00	9.60	6.50	1.00	3.00
E650	7.40	3.20	4.50	9.90	2.60	1.50	4.00
E626	7.50	5.00	5.00	10.00	3.00	2.00	2.50
E629	7.70	4.70	4.20	9.00	3.00	4.25	4.25
E642	7.80	3.10	9.80	10.20	7.20	0.90	2.50
E619B	8.10	3.20	5.50	10.50	3.50	1.00	4.50

Ref.No	D1 (max) mm	d mm	H mm	D2 mm	h mm	s mm	z mm
E619CG*	8.10	3.20	5.50	10.30	3.50	1.00	4.50
E623B	9.10	4.90	4.70	11.00	3.00	2.00	2.00
E623/90	9.10	5.00	4.50	11.00	3.00	2.00	6.50
E622	9.70	4.75	9.80	12.70	7.10	3.30	3.30
E656	9.80	5.40	5.80	14.30	3.50	1.40	5.00
E625B	10.10	6.00	4.50	12.00	3.00	2.30	2.30
E634	10.10	4.10	8.10	12.00	7.00	2.00	5.00
E655	10.10	4.10	5.50	12.00	3.60	2.00	6.00
E601	12.40	7.60	7.00	15.90	4.00	2.50	8.50
E620	13.30	4.70	12.00	17.20	9.50	1.50	7.00
E659	13.50	4.20	12.00	15.50	8.80	2.40	2.40
E603	14.40	11.00	6.00	17.40	3.00	9.00	9.00
E660	15.50	9.80	13.40	19.50	9.80	2.60	2.60
E602	19.00	9.00	27.80	28.00	21.00	5.00	5.00

*with clip groove

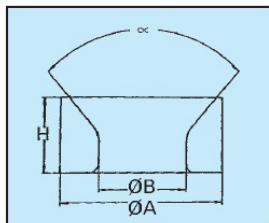
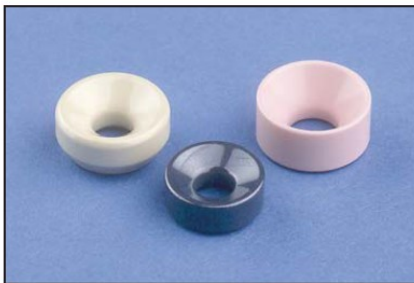
Tube Eyelets



Ref.No	A mm	B mm	H mm
TE1	4.45	2.00	4.60
TE2	5.00	2.50	6.00
TE48	5.00	3.00	5.00
TE3	6.00	3.50	6.00
TE49	6.00	3.00	2.60
TE4	6.00	3.00	8.00
TE52	6.80	4.00	2.00
TE13	7.00	3.00	5.00
TE5	7.50	4.00	4.00
TE39	7.50	4.00	12.00
TE6	8.00	3.50	10.00
TE25	8.00	4.20	2.00
TE14	8.50	6.00	4.50
TE16	8.50	5.50	10.00

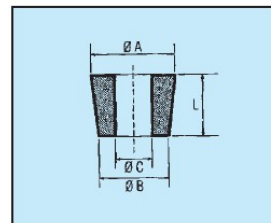
Ref.No	A mm	B mm	H mm
TE7	9.60	7.00	7.80
TE21	9.00	4.00	18.00
TE8	10.00	5.50	6.00
TE10	10.00	7.00	8.00
TE40	10.80	6.00	14.00
TE43	11.60	6.80	12.00
TE37	12.00	7.00	3.00
TE11	12.00	7.00	8.00
TE41	12.20	9.00	13.00
TE44	12.20	6.70	15.00
TE15	13.00	9.50	4.00
TE23	15.20	9.70	10.40
TE38	18.00	9.00	20.00
TE17	23.00	14.50	17.50

Ball/Spindle Eyelets



Ref.No	A mm	B mm	H mm	a
TE18	10.60	3.00	5.00	120°
TE12	11.00	4.00	4.50	120°
TE24	12.90	4.50	5.80	100°
TE26	13.00	3.00	7.00	80°
TE30	13.00	3.50	7.00	80°
TE31	13.00	4.50	6.00	76°
TE19	13.00	5.50	6.00	80°
TE32	13.00	7.10	6.00	60°
TE27*	13.90	3.00	11.00	90° & 90°
TE33	14.00	4.50	8.00	90°
TE34	17.00	4.50	8.00	84°
TE36*	20.00	3.00	17.50	90° & R8
TE35	28.00	4.80	13.00	80°

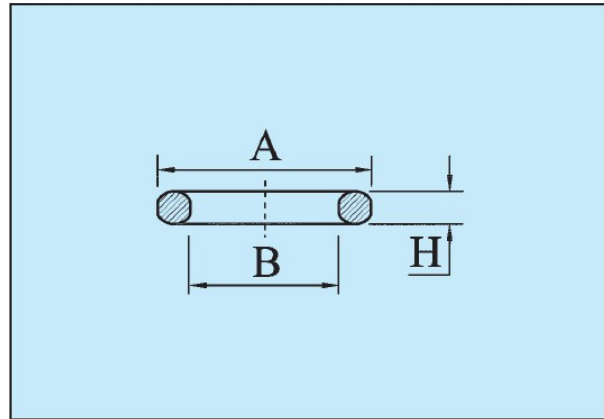
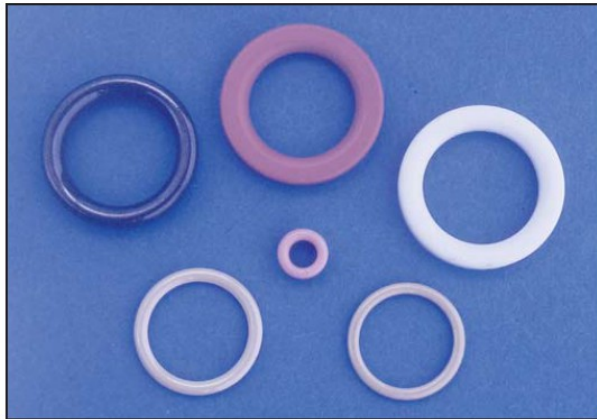
Conical Eyelets



Ref.No	A mm	B mm	C mm	L mm
CE1	6.50	6.10	3.90	4.80
CE2	6.70	6.30	3.10	4.75
CE3	6.90	6.50	3.20	5.20
CE13	8.50	8.00	5.50	5.00
CE4	10.00	9.40	6.00	12.00
CE11	10.60	8.75	3.10	17.50
CE9	12.00	11.40	7.00	12.00
CE8	12.50	11.80	6.50	15.00
CE5	14.30	13.50	6.30	6.75
CE10	18.00	17.00	10.20	15.75
CE6	20.00	19.00	8.50	6.35
CE12	32.00	28.00	16.50	35.00

*tapered both ends

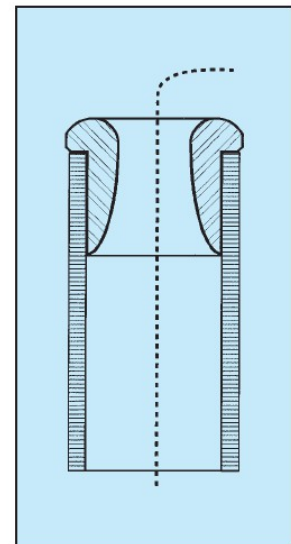
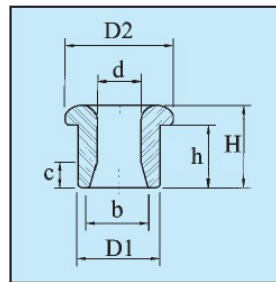
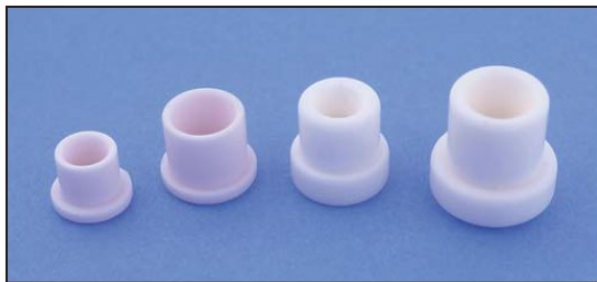
Rings



Ref.No	A mm	B mm	H mm
R52	6.80	4.00	2.00
R37	7.20	4.50	2.00
R26	8.00	4.20	2.00
R28	10.00	7.00	3.00

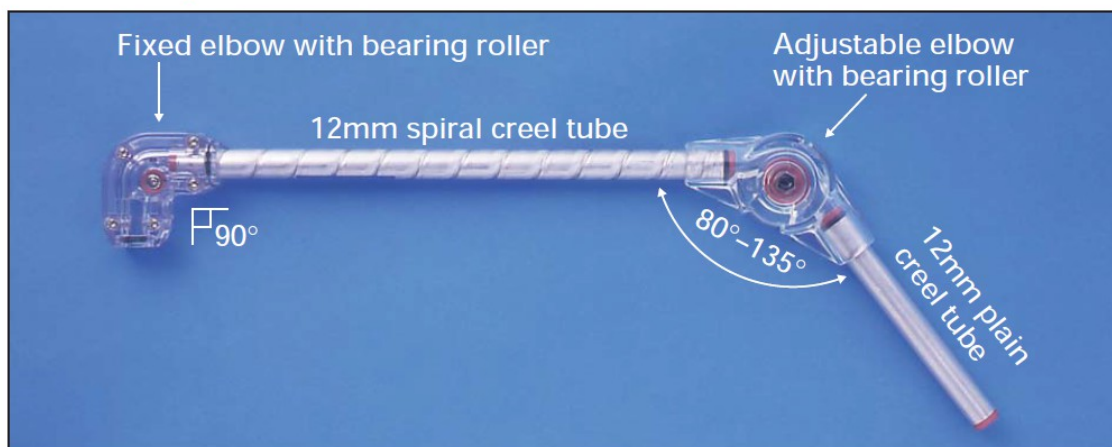
Ref.No	A mm	B mm	H mm
R19	14.00	11.00	1.30
R18	15.20	11.70	1.40
R34	18.80	13.20	3.30
R35	20.00	14.00	3.00

Flared Eyelets – for creel tubes and spindles



Ref.No	D1 (max) mm	d mm	b mm	H mm	D2 mm	h mm	c mm
FE1	6.60	4.00	5.20	6.00	8.00	4.00	4.00
FE2	7.10	3.80	5.50	7.00	9.20	5.30	2.20
FE3	7.50	4.00	5.00	8.00	10.00	6.00	6.00
FE4	9.10	6.00	7.40	7.00	11.00	5.00	3.00
FE5	9.80	4.00	6.10	12.50	12.00	7.50	4.00
FE6	10.00	6.00	7.70	10.00	12.00	8.00	6.00
FE7	11.70	5.00	8.50	13.00	15.00	9.00	6.60

Creel Tube System



Rods and Tubes can be made to any reasonable dimensions, subject to minimum batch sizes. For smaller quantities, the following standard diameters can be diamond cut to length. Many other 'non standard' diameters are usually held in stock as well.



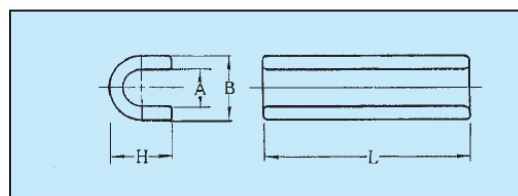
Rods

Diameter (mm)
1.5
2.0
2.5
3.0
4.0
5.0
6.0
8.0

Tubes

Outside Diameter (mm)	Inside Diameter (mm) (to clear)
2.0	1.0
2.5	1.5
3.0	2.0
4.0	2.0
5.0	3.0
6.0	3.0
8.0	5.0
10.0	5.0 (6.0) (6.8)
12.0	8.0
15.0	10.0

Edge Protectors (Half Tubes) can be diamond slit to length from the following standard sizes.



Ref.No	A mm	B mm	H mm	L mm max	R1 mm	R2 mm
EP1	1.3	4.0	4.0	36.0	1.5	4.0
EP2	2.0	4.0	4.0	50.0	2.0	4.0
EP3	3.2	5.2	4.1	45.0	1.6	5.2
EP4	4.0	7.0	6.5	62.0	2.0	3.5
EP5	5.0	8.0	8.0	62.0	2.5	4.0
EP6	6.0	9.0	9.5	62.0	3.0	4.5

K1

also available in PCS

K2

also available in PCS

K3

also available in PCS

K4

K5

K6

K20

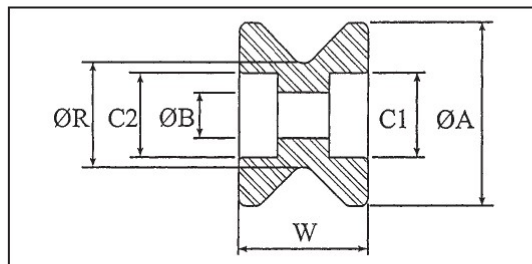
K14

Single Groove Rollers



CS = countersunk bore for screw

Ref.	øA	øB	øR	W	øC1	øC2
T34	14.0	3.2	10.0	8.0		
T2	14.0	4.3	10.0	10.0		
T42	14.0	3.5	8.0	10.0	6.5 x 3.0	
T3	16.0	4.0	10.0	9.0		
T4U	16.5	4.0	8.5	9.0		
T4V	16.5	4.0	8.5	9.0		
T28	17.0	4.0	10.0	9.0		
T37	17.0	5.0	8.0	7.0		
T25	17.0	6.0	8.0	11.0		
T47	17.0	3.3	10.0	9.5		
T32	18.0	5.0	10.0	8.0		
T23	18.2	3.3	9.5	9.0	8.0 x 0.5	
T9	19.0	3.2	10.2	12.8		
T33	20.0	4.3	9.5	11.0	10.0 x 2.0	
T45	20.0	4.3	10.0	14.1	14.4 x 2.0	14.4 x 2.0
T44	20.0	6.0	8.0	10.0		
T13A	20.5	5.0	10.0	13.5	CS	
T13	20.5	3.0	10.0	13.6	7.8 x 3.0	
T36	23.5	9.6	15.0	8.0		
T35	24.9	6.0	14.1	13.1	9.0 x 1.5	
T15	25.0	6.0	10.0	18.0	9.0 x 1.5	
T38	25.6	4.0	20.0	7.8	15.2 x 1.3	15.2 x 1.3

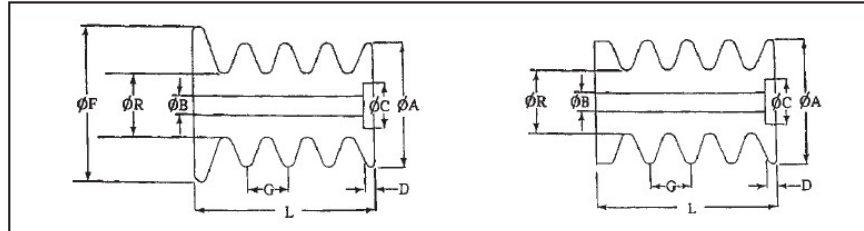
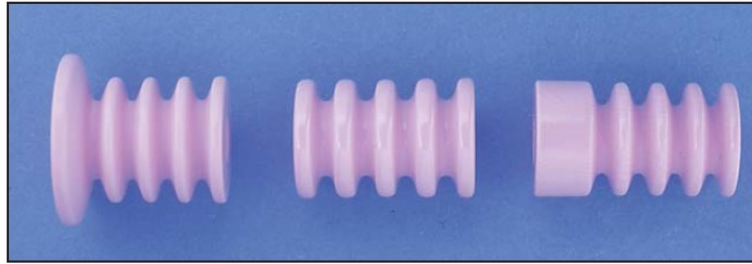


Ref.	øA	øB (to clear)	øR	W	øC1	øC2
T26*	29.3	6.0	16.5	14.0	9.0 x 1.5	9.0 x 0.8
T27*	29.3	6.0	10.0	14.0	9.0 x 1.5	9.0 x 0.8
T39	29.8	6.0	17.2	9.0	9.0 x 2.0	9.0 x 0.8
T21	38.7	4.0	26.0	9.0		
T21A	38.7	6.3	26.0	9.0		
T29	39.0	10.0	21.0	16.0		
T30	39.0	15.0	21.0	16.0		

*asymmetric groove

Drawings available upon request

Multi Groove Rollers

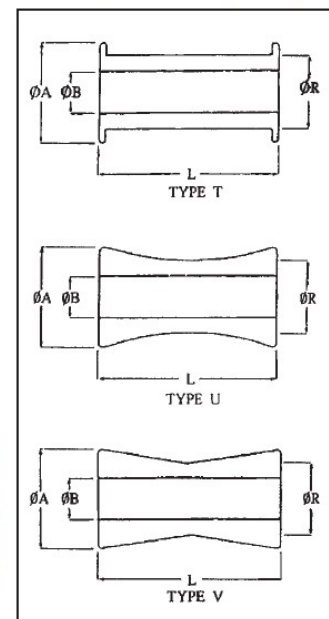


Ref	øA	øB	øR	øF	L	G	No of grooves	øC	D
W28	13.50	5.00	9.00		34.00	7.00	5		
V32	13.70	3.30	10.00		15.60	4.80	2		
W25	14.00	3.50	9.00		20.00	4.00	3	9.00	4.00
W26	14.00	3.30	6.00		21.00	4.50	3		
W27	15.00	4.30	9.00		20.00	3.60	4		
W35	15.00	5.00	8.00		26.50	3.00	8		
W6	15.75	3.18	7.60		30.30	3.50	6		
W37	15.90	6.30	9.00	20.00	22.00	4.60	4		
V13	16.00	3.50	8.00		19.00	3.50	3		
W31	16.00	5.30	10.00	21.00	34.00	6.00	5		
W3	16.00	6.20	9.50		27.00	4.80	4		
W9	16.00	3.50	9.50		36.50	6.30	5		
V29	16.50	4.50	10.50		12.50	4.70	2		
V28	16.50	4.50	10.50		15.80	4.20	3		
W29	16.50	4.50	10.50		18.00	4.00	4		
V30	16.50	4.50	10.50		24.00	6.00	4		
V9	17.00	5.00	8.00		20.00	10.00	2		
V10	17.00	6.00	8.00		23.00	12.00	2		
W21	17.60	3.50	10.00	23.80	9.00	—	1	6.00	4.00
W22	17.60	3.50	10.00	23.80	14.00	6.00	2	6.00	4.00
W23	17.60	3.50	10.00	23.80	20.00	6.00	3	6.00	4.00
W24	17.60	3.50	11.00	23.80	22.00	5.00	4	6.00	4.00
W30	21.00	5.30	8.20		20.00	9.00	2		
W36	21.00	5.30	9.00		21.00	5.00	3		
W32	29.00	6.20	16.00		26.00	12.50	2	10.00	3.00

*Counter bore both ends

Drawings available upon request

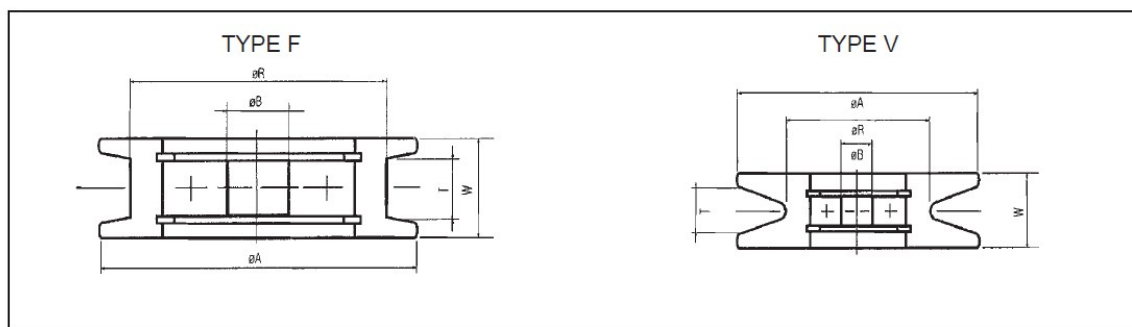
Bobbins and Diabolos



Ref.	øA	øB	øR	L	Type
U11	4.50	2.20	3.50	25.00	U
U18	6.00	2.00	3.50	10.50	U
U16	6.50	3.10	5.40	19.00	U
U42	8.00	3.00	5.00	10.00	U
U36	8.20	4.00	6.20	10.50	U
U37	10.80	3.20	6.80	20.00	T
U32	12.00	6.00	11.50	12.00	V
U33	12.00	6.00	10.40	20.00	U

Ref.	øA	øB	øR	L	Type
U34	15.00	7.50	10.40	20.00	U
U27	15.00	4.00	8.00	15.00	V
U29	15.20	4.00	9.00	21.00	T
U35*	20.00	6.30	10.00	20.00	V
U25	20.00	6.30	10.00	25.00	V
U25C*	20.00	6.30	10.00	25.00	V
U28	20.00	6.30	10.00	25.00	U
U26#	38.00	4.50	19.00	32.00	T

CERAMIC BEARING ROLLERS

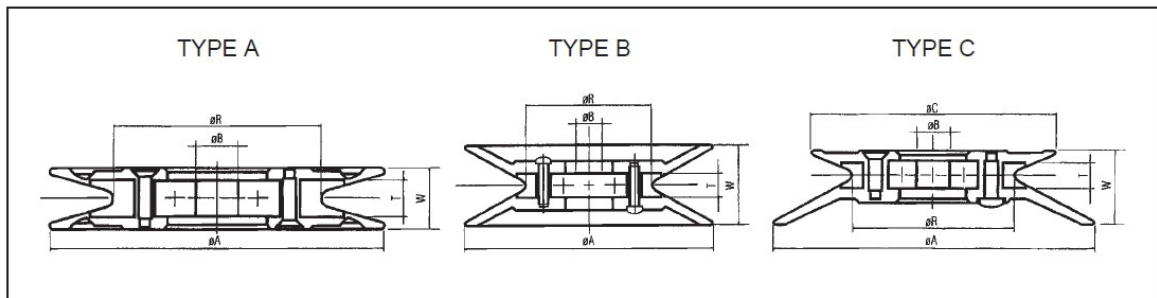


Part No	øA	øB	øR	W	T
CBR1V	8	1.5 or <u>2</u>	6	3	2.3
CBR2V	10	<u>2</u>	8	4	3
CBR3V	10.5	<u>2</u>	7	3.5	2.3
CBR4V	14	<u>3</u>	10	6	4
CBR5V	16.5	⊗, or <u>4</u>	13.5	7	4
CBR6V	17	<u>3</u>	13	12	7
CBR7V	20	⊗, <u>4</u> , 5 or 7	14	10	7
CBR8V	23	<u>3</u>	15	8	5.5
CBR9V	27	4, <u>5</u> or 6	15	11	8
CBR10V	27	4, <u>5</u> or 6	18.5	9.5	5.5
CBR11F	30	4, <u>5</u> or 8	22	10	5
CBR12F	30	<u>5</u>	20	24	10
CBR13V	30	<u>5</u>	15	11	9
CBR14V	40	4, <u>5</u> or 8	24	12	8
CBR15V	40	<u>8</u> or 10	27	24	18
CBR16F	50	<u>10</u>	40	16	10
CBR17F	50	<u>10</u>	40	24	18

⊗, = Special low torque bearing

Bearings (øB) underlined indicate standard sizes

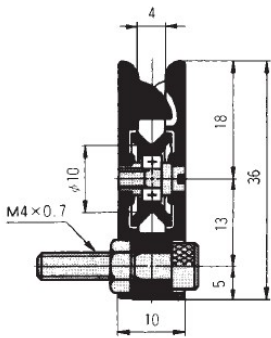
CERAMIC BEARING ROLLERS



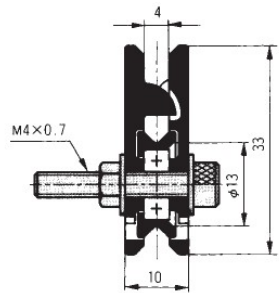
Part No	øA	øB	øC	øR	W	T
PCBR1A	20	<u>3</u>		15	4	3
PCBR2A	28.5	Ⓣ, <u>4</u> or 5		20	6	4
PCBR3B	30	<u>3</u>		15	10	3
PCBR4C	30	<u>3</u>	20	15	7	3
PCBR5B	40	Ⓣ, <u>4</u> or 5		20	15	4
PCBR6C	40	Ⓣ, <u>4</u> or 5	28.5	20	10.5	4
PCBR7A	45	Ⓣ, <u>5</u> , <u>6</u> , <u>7</u> or <u>8</u>		30	10	6
PCBR8A	60	<u>7</u> or <u>8</u>		40	12	6
PCBR9B	60	Ⓣ, <u>5</u> , <u>6</u> , <u>7</u> or <u>8</u>		30	20	6
PCBR10C	60	Ⓣ, <u>5</u> , <u>6</u> , <u>7</u> or <u>8</u>	45	30	15	6
PCBR11A	80	<u>10</u>		50	15	9
PCBR12B	80	<u>8</u>		40	25	6
PCBR13C	80	<u>8</u>	60	40	18.5	6
PCBR14B	100	<u>10</u>		50	30	9
PCBR15C	100	<u>10</u>	80	50	22.5	9

Ⓣ, Ⓣ = Special low torque bearing

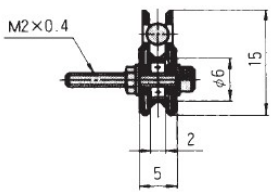
Bearings (øB) underlined indicate standard sizes



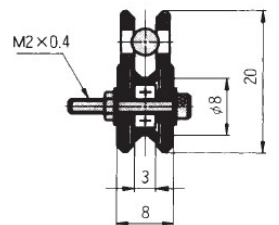
ABR8



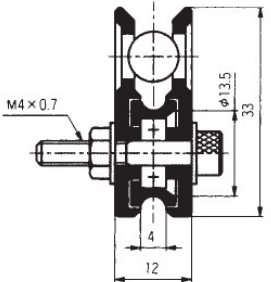
ABR9



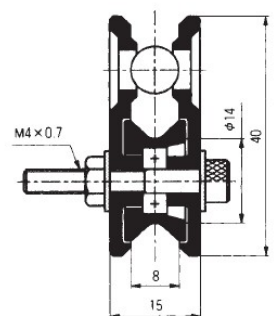
ABR10



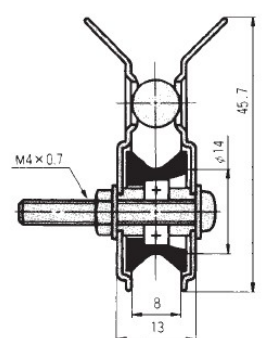
ABR40



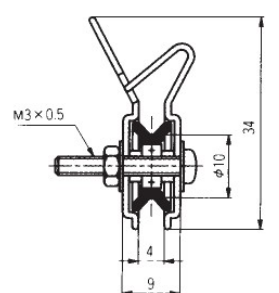
ABR12



ABR13

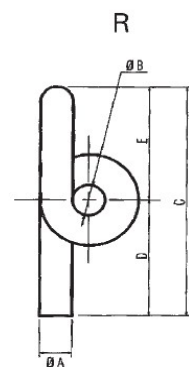
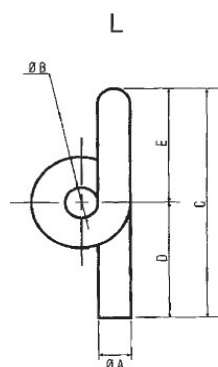


ABR75



ABR20

PIGTAILS



Ref.	R or L HAND	øA	øB	C	D	E	REMARKS
C50	R & L	3.0	1.0	21.5	15.0	6.5	
C52	R	3.0	2.0	22.0	17.0	5.0	
C30	R & L	3.0	3.0	25.0	14.0	11.0	
C9	R & L	3.0	2.0	27.0	20.0	7.0	
C10	R & L	3.0	3.0	27.0	20.0	7.0	Eye in line with shank
C32	R	3.2	5.5	36.0	25.0	11.0	
C36	R & L	3.2	4.0	32.0	21.0	11.0	Eye in line with shank
C2	R & L	4.0	1.0	20.0	10.0	10.0	▲Section eye
C4	R & L	4.0	1.0	30.0	15.0	15.0	▲Section eye
C31	R & L	4.0	4.0	25.0	15.0	10.0	
C13	R	4.0	3.0	28.0	20.0	8.0	
C20	R & L	4.0	4.0	35.0	20.0	15.0	
C14	R & L	4.0	3.0	28.0	20.0	8.0	Fixing hole 1.5
C15	L	4.0	4.5	33.0	22.0	11.0	
C22	R	4.0	6.0	53.0	37.0	16.0	
D8	R & L	5.0	5.0	42.0	30.0	12.0	
D16	L	5.0	5.0	50.0	38.0	-	Double coil
D11	R & L	5.0	5.0	55.0	42.0	13.0	
D12	R	5.5	5.0	46.0	31.0	15.0	
C17	R & L	6.0	1.5	25.0	10.0	15.0	Fixing hole 3.2
D17	L	6.0	3.0	25.0	15.0	10.0	Fixing hole 2.0
D15	R & L	6.0	1.5	31.0	25.0	6.0	
D18	R & L	6.0	10.0	60.0	45.0	15.0	



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