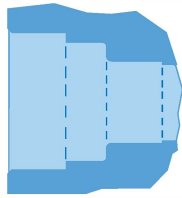
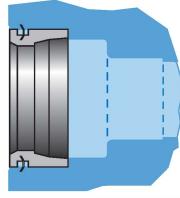


Half Cartridges

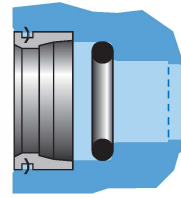
CARTRIDGE ASSEMBLY



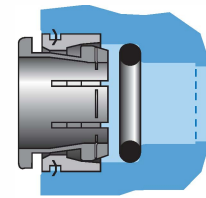
1. Ensure that the cavity is clean and free from debris, burrs, score marks, etc.



2. Insert the cartridge down into the housing; ensure the cartridge is flush with the housing.

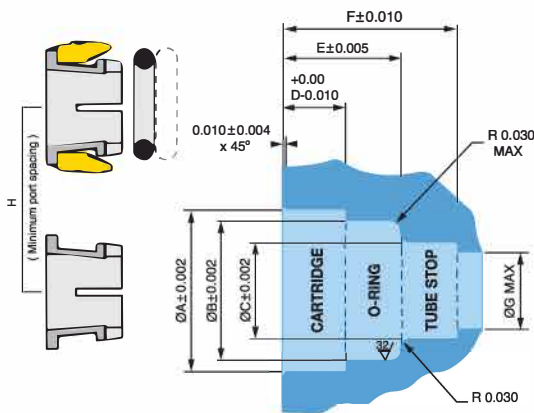


3. Insert the O-ring.



4. Insert Collet to complete assembly.

Inch



Cavity Dimensional Detail (Inch)

Tube OD	ØA	ØB	ØC	D	E1	E2	F1	F2	ØG	H
5/32" *	0.492	0.327	0.163	0.193	0.350	0.445	0.504	0.598	0.13	0.59
5/32" **	0.472	0.327	0.163	0.193	0.350	0.445	0.504	0.598	0.13	0.59
3/16"	0.472	0.348	0.193	0.193	0.340	0.440	0.490	0.590	0.16	0.59
1/4"	0.528	0.424	0.255	0.181	0.386	0.480	0.555	0.650	0.23	0.67
5/16"	0.544	0.470	0.320	0.215	0.400	0.500	0.590	0.690	0.29	0.67
3/8"	0.632	0.547	0.380	0.270	0.465	0.565	0.720	0.815	0.35	0.79
1/2"	0.777	0.671	0.506	0.304	0.561	0.659	0.797	0.896	0.48	0.93
5/8"	0.935	0.836	0.638	0.335	0.703	-	1.093	-	0.50	1.06

All dimensions in inches

* - Metal Half Cartridges.

** - Plastic Half Cartridges.

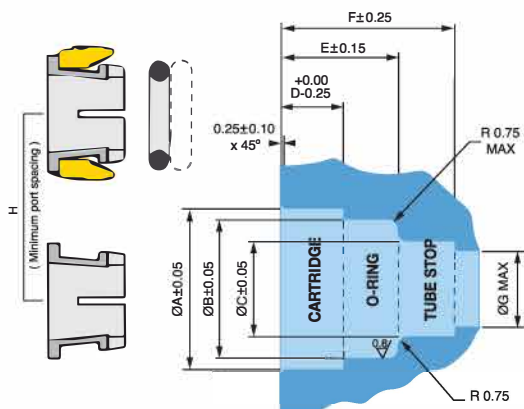
E1 and F1 relate to one o-ring.

E2 and F2 relate to two o-rings.

Cavity Dimensional Detail (CTS)

Tube OD	ØA	ØB	ØC	D	E1	E2	F1	F2	ØG	H
1/2" CTS*	0.935	0.836	0.638	0.335	0.693	-	1.057	-	0.546	1.060
1/2" CTS**	0.967	0.836	0.638	0.392	0.693	-	1.057	-	0.546	1.060
3/4" CTS*	1.222	1.102	0.886	0.427	0.831	-	1.362	-	0.776	1.358
3/4" CTS**	1.222	1.102	0.886	0.447	0.831	-	1.362	-	0.776	1.358
1" CTS*	1.480	1.398	1.141	0.429	0.791	-	1.386	-	1.003	1.628

Metric



Cavity Dimensional Detail (Metric)

Tube OD	ØA	ØB	ØC	D	E1	E2	F1	F2	ØG	H
4mm *	12.50	8.30	4.14	4.90	8.90	11.30	12.80	15.20	3.30	15.0
4mm **	11.98	8.30	4.14	4.90	8.90	11.30	12.80	15.20	3.30	15.0
5mm	11.98	9.06	5.13	4.90	8.63	11.17	12.44	14.98	4.30	15.0
6mm	13.41	10.00	6.12	4.60	9.80	12.20	14.00	16.50	5.30	16.5
8mm	13.82	11.94	8.13	5.46	10.15	12.70	15.00	17.50	7.40	17.0
10mm	16.05	14.00	10.15	6.86	11.81	14.35	18.17	20.71	9.20	19.0
12mm*	19.10	16.54	12.15	8.65	15.50	19.00	23.50	27.00	11.20	22.0
12mm**	19.74	16.54	12.15	7.72	15.90	-	23.90	-	11.20	24.0
15mm	22.86	20.32	15.19	9.50	17.50	21.00	26.90	30.40	14.20	27.0
22mm	31.05	27.80	22.20	10.85	21.10	24.70	31.60	35.20	21.20	34.5

All dimensions in mm

* - Metal Half Cartridges.

** - Plastic Half Cartridges.

E1 and F1 relate to one o-ring.

E2 and F2 relate to two o-rings.



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