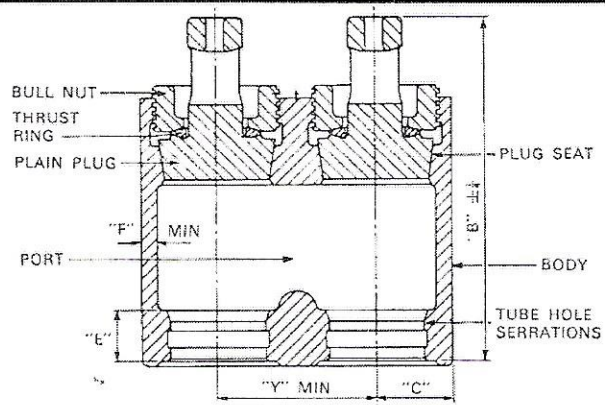


Key type 7000

RAPID RESPONSE CAST PRODUCTS LTD

WEST MIDLAND HOUSE, GIPSY LANE, WILLENHALL, WEST MIDLAND, UNITED KINGDOM WV13 2HA, ENGLAND
 TELE: +44 121 609 7286
 FAX: +44 121 609 7287



The top construction of this fitting is recognised for its ability to withstand high pressures and temperatures.

The set collar distributes the pressure over the entire top, and the equaliser ring evenly applies the downward force from the holding member to the tapered seat. Force is applied nearer the outside diameter of the plug. Because of these features this fitting can be used for higher temperatures and/or pressures than most types of fittings.

Designed to take full advantage of the principle of "Directional Solidification" - Uniform tapering of sections ensures production of sound castings, free from centre-line weakness, and increased metal above the rolled tube protects this point of severe wear.

For Welding Type fittings see page 9.

DIMENSIONS (inches)

The dimensions on these charts are standard. Any deviation will alter the operating limitations and require special designing throughout. The designs provide for large plugs $\frac{1}{8}$ " (3.2mm) larger than the O.D. of the tubes except in the 500 lb. series where the plugs are $\frac{3}{8}$ " (9.5mm) smaller than the O.D. of the tubes. Fittings larger than 6" (152mm) in the 1700 lb. series, and larger than 5" (127mm) in the 2000 lb. series cannot be made with large plugs for the pressures and temperatures shown on the chart, page 17. It is important to check the metal thickness of the fittings at the tube hole section if the tubes used are heavier than the maximum indicated below.

Note: Any increase in dimension E, or the addition of a tube stop, must be added to dimension B.

IMPORTANT: The 500 lb. series fittings are only equipped with small plugs. Certain limitations must be applied in regard to the maximum tube I.D.'s as follows:

Fitting size	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"/5 5/8"	6"	6 3/8"
mm 76	89	102	114	127	140/141	152	168	
Max. tube I.D.	2 5/8"	3 1/8"	3 1/2"	4"	4 5/8"	5 1/8"	5 5/8"	6 1/8"
mm 66	79	89	102	117	130	143	156	

500 LB. SERIES

SIZE	Y	B	C	E	F	PLUG SM. DIA.	MAX. TUBE WALL
3	5	11 9/16	2 5/16	1 1/4		2 5/8	3/8
3 1/2	5 1/2	12 3/8	2 7/16	1 3/8	1/2	3 1/8	3/8
4	6	13 3/4	2 13/16	1 1/2	1/2	3 5/8	3/8
4 1/2	6 5/8	14 1/4	3 1/8	1 5/8	3/4	4 1/8	3/8
5	7 1/8	15 7/16	3 3/8	1 7/8	7/8	4 5/8	3/8
5 1/2	7 5/8	16 1/16	3 5/8	1	1 1/8	5 1/8	3/8
6	8 1/4	17 1/16	3 5/8	2	1 1/4	5 5/8	7/16
6 5/8	8 7/8	18 1/16	4 1/2	2 1/8	1 1/2	6 1/8	7/16

850 LB. SERIES

2	4	9 13/16	1 13/16	1	1/2	2 1/8	3/8
2 1/2	4 1/2	10 1/16	2 1/16	1 1/8	1/2	2 5/8	3/8
3	5 1/8	11 3/4	2 3/8	1 1/4	3/4	3 1/8	7/16
3 1/2	5 3/4	12 3/4	2 11/16	1 3/8	7/8	3 5/8	7/16
4	6 1/4	13 1/2	2 15/16	1 1/2	1	4 1/8	7/16
4 1/2	6 7/8	14 1/16	3 1/2	1 5/8	1 1/8	4 5/8	1/2
5	7 3/8	15 1/16	3 3/4	1 3/4	1 1/4	5 1/8	1/2
5 1/2	8	16 1/16	3 7/8	1 7/8	1 1/2	5 5/8	1/2
6	8 5/8	17 1/16	4 1/8	2	1 3/4	6 1/8	1/2
6 5/8	9	18 1/16	4 3/8	2 1/8	1	6 3/4	9/16

*"Maximum tube wall" is the recommended maximum wall thickness of tubes that can be rolled into fittings without setting up excessive stresses in the tube hole area. If heavier wall tubes are to be used, additional

1275 LB. SERIES

SIZE	Y	B	C	E	F	PLUG SM. DIA.	MAX. TUBE WALL
2	4 1/4	10 1/16	1 15/16	1 1/4	5/8	2 1/8	7/16
2 1/2	4 3/4	11 1/16	2 1/16	1 5/8	1 1/4	2 5/8	7/16
3	5 1/2	12	2 9/16	1 1/2	1 3/4	3 1/8	1/2
3 1/2	6 3/8	13	2 7/8	1 5/8	1 3/4	3 5/8	1/2
4	6 3/4	14 3/16	3 1/16	1 3/4	2	4 1/8	1/2
4 1/2	7 3/8	14 5/16	3 1/2	1 7/8	2 1/8	4 5/8	1/2
5	8	16 1/16	3 3/4	2	1	5 1/8	1/2
5 1/2	8 5/8	16 15/16	4 1/8	2 1/8	1 1/16	5 5/8	1/2
6	9 1/4	18 1/16	4 7/16	2 1/4	1 1/8	6 1/8	1/2
6 5/8	10	19 1/16	4 13/16	2 3/8	1 1/8	6 3/4	5/8

1700 LB. SERIES

2	4 1/2	10 5/16	2 1/16	1 1/2	3/4	2 1/8	1/2
2 1/2	5 1/8	11 5/16	2 3/8	1 5/8	1 1/8	2 5/8	1/2
3	5 5/8	12 1/4	2 3/4	1 3/4	1 1/4	3 1/8	7/16
3 1/2	6 1/2	13 1/4	3 1/16	1 7/8	1	3 5/8	9/16
4	7 1/8	14 7/16	3 3/8	2	1 1/16	4 1/8	9/16
4 1/2	7 7/8	15 1/16	3 3/4	2 1/4	1 1/8	4 5/8	9/16
5	8 1/2	16 7/16	4 1/16	2 1/4	1 1/4	5 1/8	1 1/16
5 1/2	9 1/8	17 1/16	4 3/8	2 3/8	1 5/16	5 5/8	1 1/16
6	9 3/4	18 7/16	4 1/16	2 1/2	1 3/8	6 1/8	3/4

2000 LB. SERIES

2	4 7/8	10 9/16	2 3/16	1 3/4	7/8	2 1/8	1/2
2 1/2	5 5/8	11 7/16	2 1/16	1 7/8	1	2 5/8	1/2
3	6 3/8	12 1/2	2 15/16	2	1 1/8	3 1/8	5/8
3 1/2	7	13 1/2	3 1/4	2 1/8	1 1/16	3 5/8	5/8
4	7 3/4	14 1/16	3 5/8	2 1/4	1 1/8	4 1/8	5/8
4 1/2	8 1/2	15 7/16	4	2 3/8	1 7/16	4 5/8	3/4
5	9 1/4	16 1/16	4 3/8	2 1/2	1 7/16	5 1/8	1 1/8

metal must be added to the tube rolling section or a heavier series selected, increasing the minimum centres in either case. Consult L&E