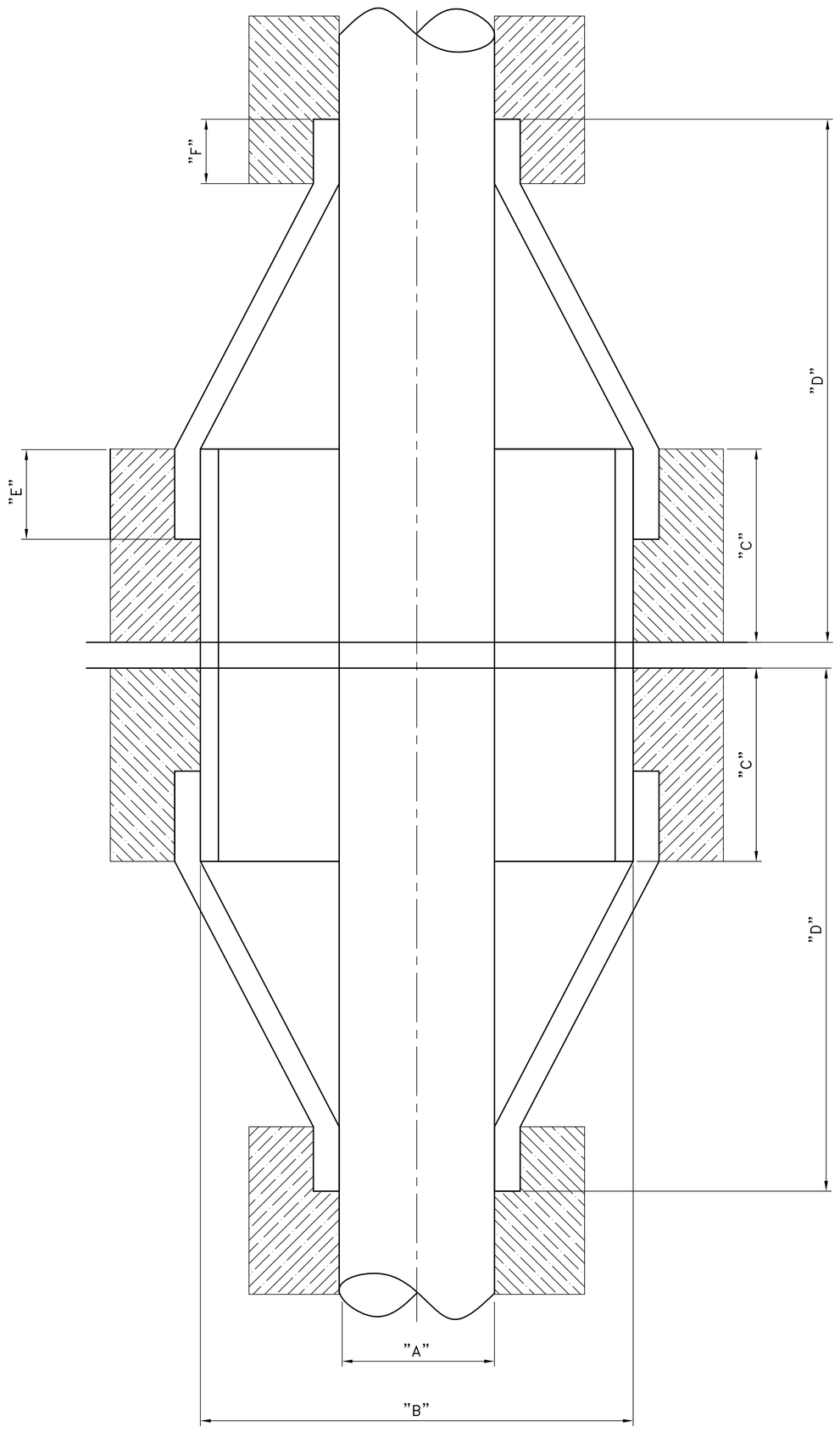
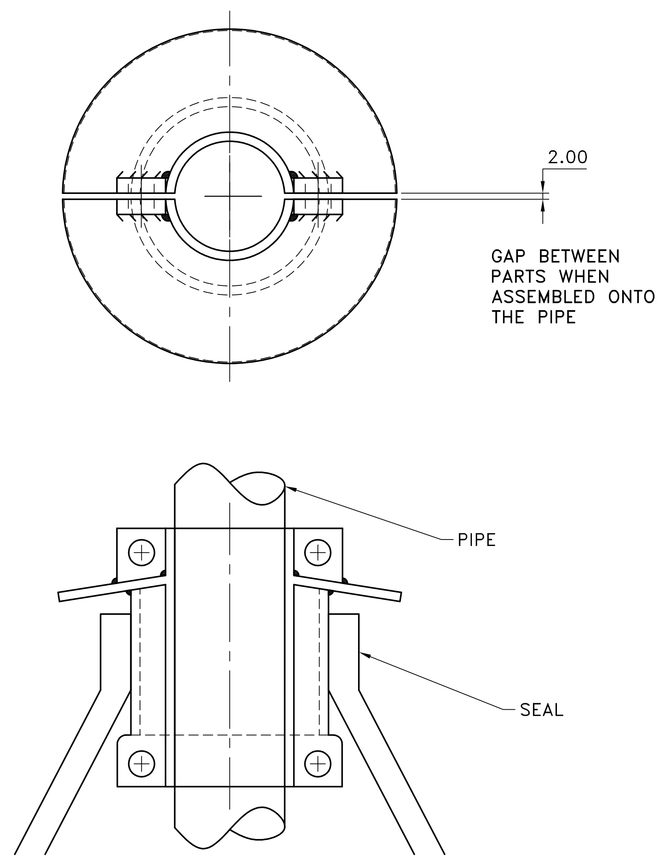
DOUBLE PENETRATION
ARRANGEMENT



APPLY CHARTEK 7 WITH CENTRAL LAYER HK1 MESH TO A THICKNESS OF 12mm IN POSITIONS SHOWN TO THE DIMENSION OF 450mm SHOWN FROM THE BOTTOM OF THE CUFF ON THE PIPE.

FOR DOUBLE PENETRATION REPEAT ABOVE AND BELOW FOR DECK OR BLAST WALL

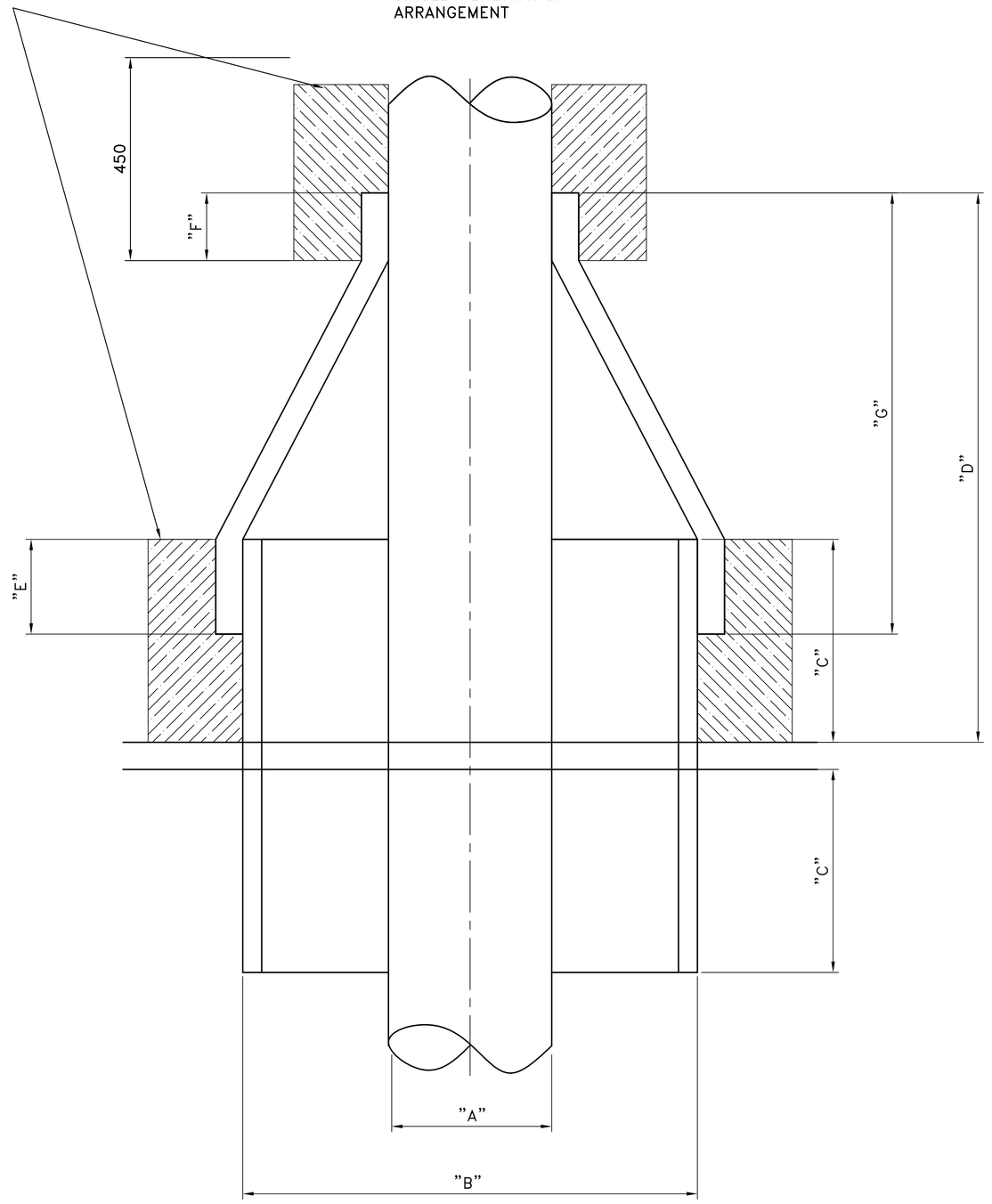


WHEN "PIPE" DIAMETER IS 2" AND BELOW IT IS NECESSARY TO FIT AN ADAPTOR COLLAR AROUND THE PIPE.
THIS IS NECESSARY DUE TO THE INHERANT STIFFNESS OF THE MATERIAL CONSTRUCTION PREVENTING INSIDE DIAMETERS TO BE FORMED BELOW 65MM.
A TYPICAL EXAMPLE IS SHOWN ABOVE.

NOTES :-
MATERIAL STAINLESS STEEL 3MM/5MM THICK TO 316 OR 316L

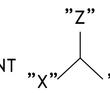
USE M8 FIXINGS TO CLAMP THE COLLAR FOR FINAL ASSEMBLY ONTO PIPE

SINGLE PENETRATION
ARRANGEMENT



PIPE SIZE	DIMENSION "A" PIPE SIZE OUTSIDE DIA	SLEEVE SIZE	DIMENSION "B" SLEEVE SIZE OUTSIDE DIA	DIMENSION "C" MINIMUM	DIMENSION "D" MINIMUM	DIMENSION "E" FOR SLEEVE CLAMPING	DIMENSION "F" FOR PIPE CLAMPING	SEAL HEIGHT "G"
3/4"	1.05"(26.7mm)	4"	4.5"(114.3mm)	60mm	197mm	35mm	35mm	172mm
1"	1.315"(33.4mm)	6"	6.625"(168.3mm)	60mm	197mm	35mm	35mm	172mm
1 1/2"	1.9"(48.3mm)	6"	6.625"(168.3mm)	60mm	197mm	35mm	35mm	172mm
2"	2.3755"(60.3mm)	6"	6.625"(168.3mm)	60mm	197mm	35mm	35mm	172mm
3"	3.5"(88.9mm)	8"	8.625"(219.1mm)	60mm	197mm	35mm	35mm	172mm
4"	4.5"(114.3mm)	8"	8.625"(219.1mm)	60mm	197mm	35mm	35mm	172mm
5"	5.563"(141.3mm)	8"	8.625"(219.1mm)	60mm	197mm	35mm	35mm	172mm
6"	6.625"(168.3mm)	12"	12.75"(323.9mm)	60mm	197mm	35mm	35mm	172mm
8"	8.625"(219.1mm)	14"	14"(355.67mm)	85mm	248mm	60mm	35mm	223mm
10"	10.75"(273.1mm)	16"	16"(406.4mm)	85mm	248mm	60mm	35mm	223mm
12"	12.75"(323.9mm)	18"	18"(457.2mm)	85mm	299mm	60mm	35mm	274mm
14"	14"(355.67mm)	20"	20"(508mm)	85mm	299mm	60mm	60mm	274mm
16"	16"(406.4mm)	24"	24"(609.6mm)	85mm	299mm	60mm	60mm	274mm
18"	18"(457.2mm)	28"	28"(711.2mm)	85mm	299mm	60mm	60mm	274mm
20"	20"(508mm)	28"	28"(711.2mm)	85mm	299mm	60mm	60mm	274mm
24"	24"(609.6mm)	32"	32"(812.8mm)	85mm	299mm	60mm	60mm	274mm
30"	30"(762mm)	36"	36"(914.4mm)	85mm	299mm	60mm	60mm	274mm

CLIPPING LENGTHS OF SEAL AS PER DIMENSIONS "E" & "F" ACCOMODATE THE USE OF SINGLE BAND CLAMP APPLICATIONS UP TO 350mm DIAMETER OVER PIPES AND SLEEVES WITH DOUBLE CLAMPING APPLIED FOR DIAMETERS OF PIPES AND SLEEVES OVER 350mm.

SEAL MOVEMENT 

25mm (MAX) IN "X","Y" & "Z" AXIS

NOTE THAT SEAL IS TO BE COMPRESSED BY 25mm IN "Z" AXIS WHEN INSTALLED

FOR REQUIREMENTS WHERE MORE THAN 25mm IN ANY DIRECTION ARE REQUIRED IT WILL BE NECESSARY TO INCREASE THE OVERALL HEIGHT OF THE SEAL. IN THESE CASES PLEASE CONSULT WITH BESTOBELL OILFIELD PRODUCTS GIVING MAXIMUM HEIGHT AVAILABLE FOR SEAL AND ANY OTHER CONSTRICTING DIMENSIONS.

FOR PIPE SIZES NOT INCLUDED IN THE TABLE PLEASE CONTACT BESTOBELL OILFIELD PRODUCTS FOR FURTHER INFORMATION

MEGGiTT
Meggitt Polymer Solutions

MEGGITT POLYMER SOLUTIONS, ASHBY ROAD, SHEPSHED, LOUGHBOROUGH, LEICESTERSHIRE, ENGLAND. LE12 9EQ.

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ITEM	QTY	DESCRIPTION	MAT'L

ISSUE	DATE	REVISIONS	DRAWN	CHKD
2	14 03 11	ADAPTOR COLLAR DETAILS ADDED	MW	
1	21 02 11	FIRST ISSUE	MW	

COMPUTER AIDED DRAWING
NO MANUAL ALTERATION

THIRD ANGLE PROJECTION

TOLERANCES ±3 mm

IF IN DOUBT ASK DO NOT SCALE

CAGE CODE K1406

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED

SCALE

Export Control Standard	
CI Nunber	N/A
Technology	N/A
Raised by	M.Widdowson

CUSTOMER DRAWING NUMBER N/A

GENERIC LAYOUT FOR JO-J6O FIRE SEALS

SHEET 1 OF 1

DRAWING NUMBER JF2500-AAA

A0