



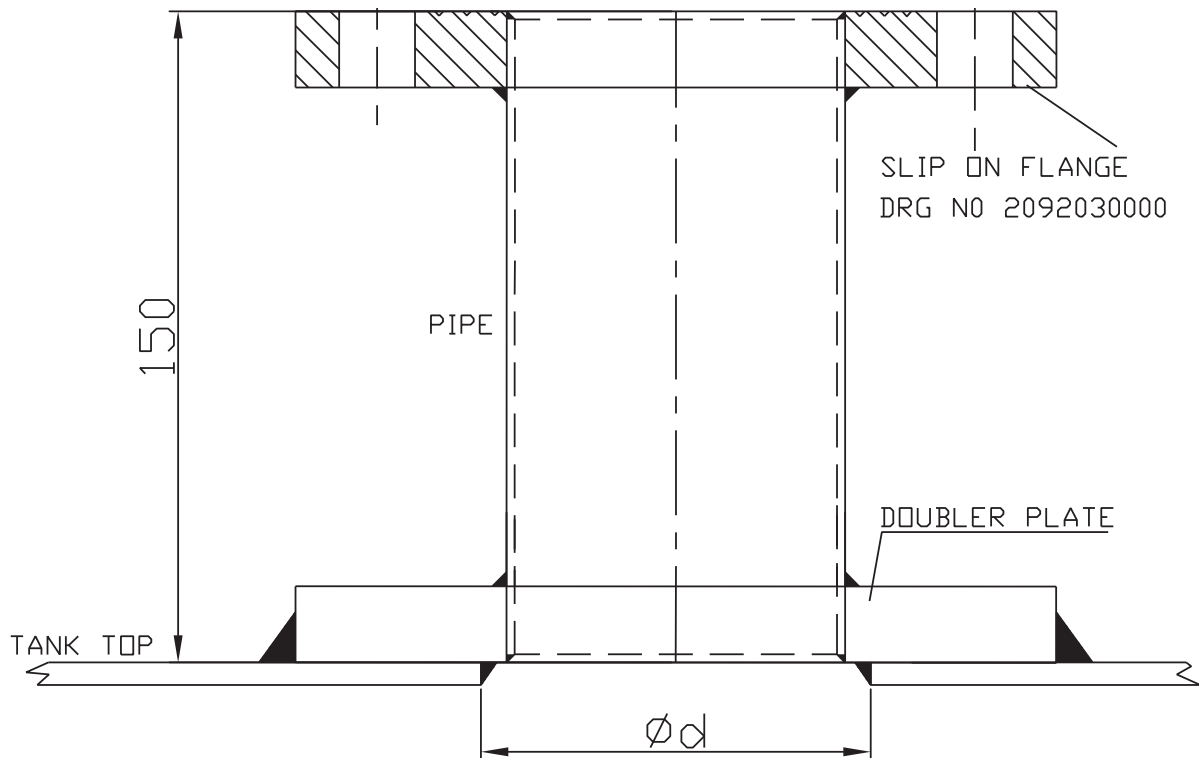
DISTANCE PIECE FOR TANK TOP
DIN ND 10 STD

DRG NO
2092004000

REV00

DATE:4-5-2005

SHEET 1/1



ITEM CODE		NB	PIPE OD X THK	DOUBLER PLATE	SLIP ON FLANGE	ϕd
GALV	NON GALV					
2092004505	2092004005	40	48.3 x 5.1	OD 150 X ID 50.3 X THK 15	DRG NO 2092030000	80
2092004503	2092004003	50	60.3 x 5.5	OD 165 X ID 62.3 X THK 15	DRG NO 2092030000	90
2092004506	2092004006	65	73 x 7.0	OD 185 X ID 75 X THK 15	DRG NO 2092030000	105
2092004504	2092004004	80	88.9 x 7.6	OD 200 X ID 90.9 X THK 15	DRG NO 2092030000	125
2092004501	2092004001	100	114.3 x 8.6	OD 220X ID 116.3 X THK 15	DRG NO 2092030000	140
2092004502	2092004002	125	141.3 x 9.5	OD 250 X ID 143.3 X THK 15	DRG NO 2092030000	180

NOTES:-

1. Material : M.S. to IS 2062 for doubler plate and slip on flange.
2. Material for pipe: Seamless steel to ASTM A-106 Gr B Sch 80
- 3 Care is to be taken to ensure that end of the pipe is flush with flange face.
4. Galvanizing to be made after completion of fabrication as specified in order.
5. Working pressure 10 bar.
6. All dimensions are in MM.



SLIP - ON FLANGE

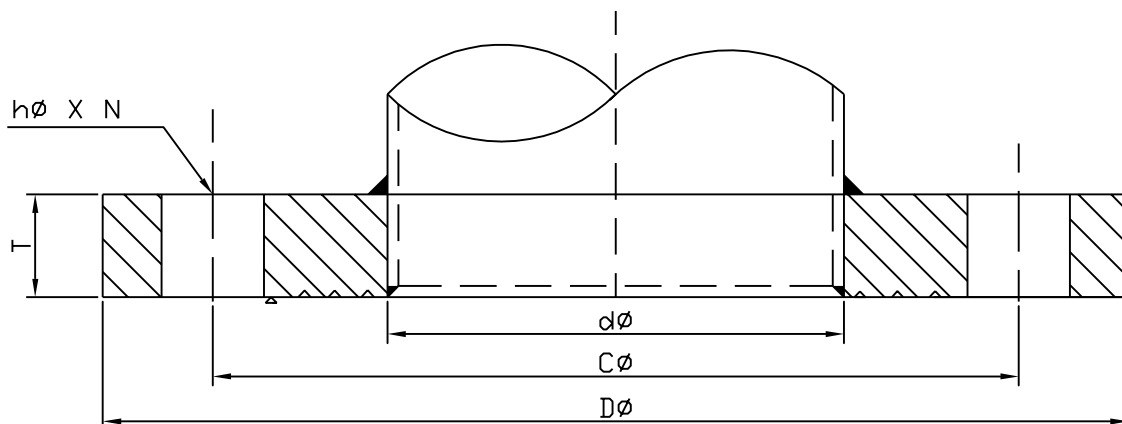
DIN ND 10 STD

DRG NO
2092030000

REV00

DATE:15-2-2005

SHEET 1/1



ITEM CODE	PIPE		FLANGE			BOLT HOLE			SIZE OF BOLT	WT. IN KG ~
	NB	O.D.	d	D	T	C	N	h		
2092030001	10	17.1	18.1	90	14	60	4	14	M12	0.60
2092030002	15	21.3	22.3	95	14	65	4	14	M12	0.68
2092030003	20	26.7	27.7	105	16	75	4	14	M12	0.94
2092030004	25	33.4	34.4	115	16	85	4	14	M12	1.11
2092030005	32	42.2	43.2	140	16	100	4	18	M16	1.62
2092030006	40	48.3	50.3	150	16	110	4	18	M16	1.84
2092030007	50	60.3	62.3	165	18	125	4	18	M16	2.45
2092030008	65	73.0	77.0	185	18	145	4	18	M16	3.04
2092030009	80	88.9	90.9	200	20	160	8	18	M16	3.75
2092030010	100	114.3	116.3	220	20	180	8	18	M16	4.01
2092030011	125	141.3	143.3	250	22	210	8	18	M16	5.64
2092030012	150	168.3	170.3	285	22	240	8	22	M20	6.57
2092030013	175	193.7	195.7	315	24	270	8	22	M20	8.33
2092030014	200	219.1	222.1	340	24	295	8	22	M20	9.31
2092030015	250	273.0	277.0	395	26	350	12	22	M20	11.85
2092030016	300	323.8	327.8	445	26	400	12	22	M20	13.80
2092030017	350	355.6	359.6	505	26	460	16	22	M20	20.60
2092030018	400	406.4	411.4	565	26	515	16	26	M24	27.90
2092030019	500	508.0	513.0	670	28	620	20	26	M24	41.10

NOTES:-

1. Material : M.S. to IS 2062
2. Care is to be taken to ensure that end of the pipe is flush with flange face.
3. After machining 2 coats of varnish should be applied.
4. Bolt holes shall be drilled equally spaced on PCD
5. Working pressure 10 bar.
6. All dimensions are in MM.
7. Tolerances as per IS 6392-1972
8. Tolerances on flange bore shall be +1MM.
9. This drawing replaces drg no SEF003.

GROOVE DETAILS

NB	WIDTH	DEPTH
UPTO 300NB	1.5	0.8
ABOVE 300NB	3	1.2



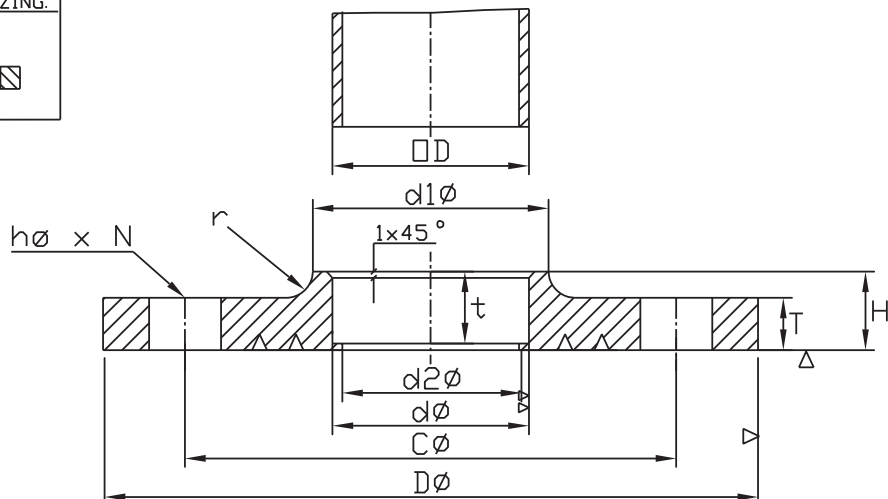
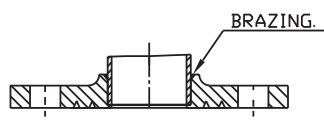
GM SLIP-ON FLANGE

DIN ND 10 STD

DRGNO
2092100000

REV 01

DATE:19-2-2005 SHEET 1/1



ITEM CODE	PIPE		FLANGE							SIZE OF BOLT	BOLT HOLE			BOSS		WT.IN KG. ~
	NB	O.D.	d	tol	D	d2	T	H	t		N	h	C	d1	r	
2092100001	10	16	16.07	+0.05 0	90	14	8	12	10	M 12	4	14	60	21	4	0.39
2092100002	15	20	20.08	"	95	18	8	12	10	M 12	4	14	65	26	4	0.44
2092100003	20	25	25.08	"	105	22	8	12	10	M 12	4	14	75	31	4	0.54
2092100004	25	30	30.08	"	115	27	9	13	11	M 12	4	14	85	36	4	0.73
2092100005	32	38	38.10	"	140	35	10	14	12	M 16	4	18	100	45	4	1.11
2092100006	40	44.5	44.60	"	150	41	11	15	13	M 16	4	18	110	51	4	1.48
2092100007	50	57	57.23	"	165	54	13	17	15	M 16	4	18	125	67	4	2.07
2092100008	65	76.1	76.33	"	185	72	13	17	15	M 16	4	18	145	87	4	2.48
2092100009	80	88.9	89.18	+0.1 0	200	84	13	17	15	M 16	8	18	160	104	4	2.72
2092100010	100	108	108.38	"	220	103	16	20	18	M 16	8	18	180	123	4	3.86
2092100011	125	133	133.63	"	250	128	18	22	20	M 16	8	18	210	148	4	4.25
2092100012	150	159	159.63	"	285	154	20	24	22	M 20	8	22	240	175	4	7.31
2092100013	175	193.7	194.63	+0.25 0	315	187	22	26	23	M 20	8	22	270	210	4	8.99
2092100014	200	219.1	220.03	"	340	213	24	28	25	M 20	8	22	295	235	4	10.69
2092100015	250	267	268.13	"	395	261	26	30	27	M 20	12	22	350	285	4	15.37
2092100016	300	323.9	325.03	"	445	316	26	30	27	M 20	12	22	400	342	4	15.86
2092100017	350	368	369.13	"	505	360	26	30	27	M 20	16	22	460	386	4	20.29
2092100018	400	419	420.13	"	565	411	26	30	27	M 24	16	26	515	439	4	24.70
2092100019	450	457.2	458.33	"	615	449	28	32	29	M 24	20	26	565	477	4	30.70
2092100020	500	508	509.13	"	670	499	28	33	30	M 24	20	26	620	530	5	34.80

NOTES :

1. Material : G.M. to BS 1400 LG 4C
2. Care is to be taken to ensure that the end of the pipe is flush with the flange face.
3. Bolt holes shall be drilled equally spaced on P.C.D.
4. Bearing surfaces for nuts shall be parallel to flange jointing face within 1 deg and shall be capable of accepting normal series washers.
5. working pressure - 10 bar.
6. All dimensions are in MM.
7. This drawing replaces drg no SEF010.

GROOVE DETAILS

NB	WIDTH	DEPTH
UP TO 300 NB	1.5	0.8
ABOVE 300 NB	3	1.2

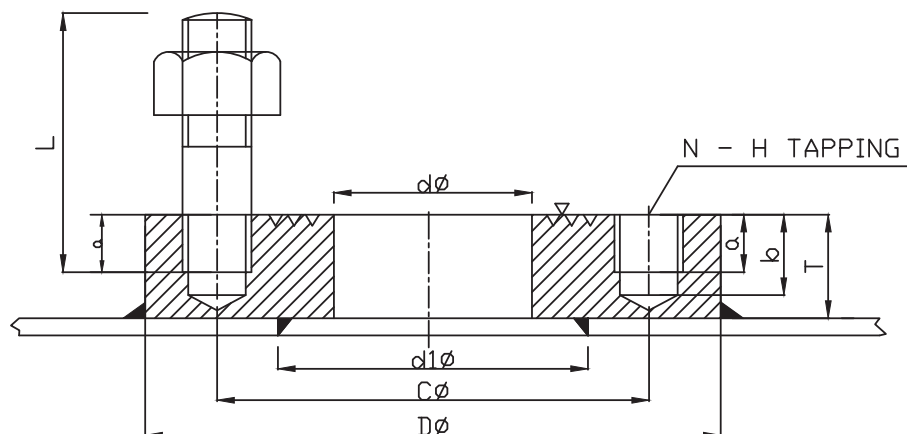
REV. 01 : Material specification updated on 31-5-07



SET - ON FLANGE
DIN ND 10 STD

DRG NO
2092130000
DATE:15-2-2005

REV 04
SHEET 1/1



ITEM CODE (NON GALV)	ITEM CODE (GALV)	PIPE		FLANGE					STUD HOLE				d1	WT. IN KG ~ (INCLUDING FASTNERS)
		NB	O.D.	d	D	C	T	b	N	H	L	a		
2092131001	2092131501	10	17.1	18.1	90	60	22	17	4	M12	45	12	40	1.21
2092130002	2092130502	15	21.3	22.3	95	65	22	17	4	M12	45	12	45	1.32
2092130003	2092130503	20	26.7	27.7	105	75	22	17	4	M12	55	12	55	1.58
2092130004	2092130504	25	33.4	34.4	115	85	22	17	4	M12	55	12	70	1.82
2092130005	2092130505	32	42.3	43.2	140	100	27	21	4	M16	60	16	75	3.29
2092130006	2092130506	40	48.3	50.3	150	110	27	21	4	M16	65	16	80	3.66
2092130007	2092130507	50	60.3	62.3	165	125	27	21	4	M16	65	16	90	4.23
2092130008	2092130508	65	73.0	77.0	185	145	27	21	4	M16	65	16	105	5.05
2092130009	2092130509	80	88.9	90.9	200	160	27	21	8	M16	65	16	125	6.02
2092130010	2092130510	100	114.3	116.3	220	180	27	21	8	M16	65	16	140	6.54
2092130011	2092130511	125	141.3	143.3	250	210	27	21	8	M16	65	16	180	7.73
2092130012	2092130512	150	168.3	170.3	285	240	33	26	8	M20	80	20	200	12.06
2092130013	2092130513	175	193.7	195.7	315	270	33	26	8	M20	80	20	215	13.83
2092130014	2092130514	200	219.1	222.1	340	295	33	26	8	M20	80	20	250	14.92
2092130015	2092130515	250	273.0	277.0	395	350	33	26	12	M20	85	20	310	18.28
2092130016	2092130516	300	323.8	327.8	445	400	33	26	12	M20	85	20	360	20.73
2092130017	2092130517	350	355.6	359.6	505	460	33	26	16	M20	85	20	390	28.65
2092130018	2092130518	400	406.4	411.4	565	515	37	29	16	M24	100	24	445	39.07
2092130019	2092130519	500	508.0	513.0	670	620	37	29	20	M24	110	24	550	48.79

NOTES :

1. Material : M.S. to IS 2062/M.S. to IS 2062 (Hot dip galvanised)
2. After machining 2 coats of varnish should be applied, when not galvd)
3. Holes shall be tapped equally spaced on P.C.D.
4. Working pressure - 10bar
5. SS 304 Studs complete with nuts and washers to be supplied
6. Thickness of nut should be 0.8D std.
7. All dimensions are in MM.
8. This drawing replaces drg no SEF013.

GROOVE DETAILS

NB	WIDTH	DEPTH
UPTO 300NB	1.5	0.8
ABOVE 300NB	3	1.2

REV 04 : Stud material amended on 15-07-2016

REV 03 : 10 Nb item code amended on 13-11-2014

REV 02 : stud length updated on 6-5-2013

REV 01 : Material specification updated on 31-5-07



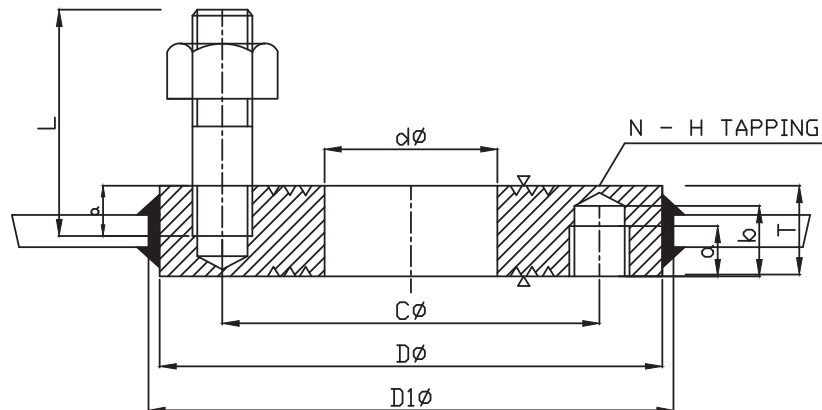
SET - IN FLANGE
DIN ND 10 STD

DRG NO
2092160000

REV 04

DATE:15-2-2005

SHEET 1/1



ITEM CODE (NON GALV)	ITEM CODE (GALV)	PIPE		FLANGE					STUD BOLT				D1	WT. IN KG (INCLUDING FASTNERS)
		NB	Ø.D	d	D	C	T	b	N	H	L	a		
2092161001	2092161501	10	17.1	18.1	90	60	24	17	2X4	M12	45	12	93	1.47
2092160002	2092160502	15	21.3	22.3	95	65	24	17	2X4	M12	45	12	98	1.59
2092160003	2092160503	20	26.7	27.7	105	75	24	17	2X4	M12	55	12	108	1.88
2092160004	2092160504	25	33.4	34.4	115	85	24	17	2X4	M12	55	12	118	2.15
2092160005	2092160505	32	42.2	43.2	140	100	29	21	2X4	M16	60	16	143	3.84
2092160006	2092160506	40	48.3	50.3	150	110	29	21	2X4	M16	65	16	154	4.24
2092160007	2092160507	50	60.3	62.3	165	125	29	21	2X4	M16	65	16	169	4.85
2092160008	2092160508	65	73.0	77.0	185	145	29	21	2X4	M16	65	16	189	5.73
2092160009	2092160509	80	88.9	90.9	200	160	29	21	2X8	M16	65	16	204	7.13
2092160010	2092160510	100	114.3	116.3	220	180	29	21	2X8	M16	65	16	224	7.69
2092160011	2092160511	125	141.3	143.3	250	210	29	21	2X8	M16	65	16	254	8.96
2092160012	2092160512	150	168.3	170.3	285	240	35	26	2X8	M20	80	20	290	14.10
2092160013	2092160513	175	193.7	195.7	315	270	35	26	2X8	M20	80	20	320	15.99
2092160014	2092160514	200	219.1	222.1	340	295	35	26	2X8	M20	80	20	345	17.14
2092160015	2092160515	250	273.0	277.0	395	350	35	26	2X12	M20	85	20	400	21.36
2092160016	2092160516	300	323.8	327.8	445	400	35	26	2X12	M20	85	20	450	24.10
2092160017	2092160517	350	355.6	359.6	505	460	35	26	2X16	M20	85	20	510	33.21
2092160018	2092160518	400	406.4	411.4	565	515	39	29	2X16	M24	100	24	570	45.69
2092160019	2092160519	500	508.0	513.0	670	620	44	29	2X20	M24	110	24	676	63.13

NOTES :

1. Material : M.S. to IS 2062/ M.S. to IS 2062 (Hot dip galvanised)
2. Holes shall be tapped equally spaced on P.C.D.
3. After machining 2 coats of varnish should be applied, when not galvd)
4. Working pressure - 10bar
5. SS 304 Studs complete with nuts and washers to be supplied
6. Thickness of nut should be 0.8D std.
7. All dimensions are in MM.
- 8 This drawing replaces drg no SEF016.

GROOVE DETAILS

NB	WIDTH	DEPTH
UPTO 300NB	1.5	0.8
ABOVE 300NB	3	1.2

REV04 : Stud material amended on 15-07-2016.

REV03 : 10 NB item code amended on 13-11-2014.

REV02 : studs length updated on 6-6-2013.

REV01 : Material specification updated on 31-5-07



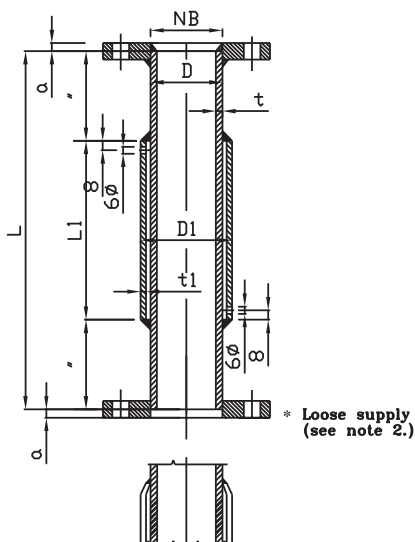
BULKHEAD/DECK PIECE
(STRAIGHT TYPE)
(FOR STEEL PIPES ON STEEL DECK / BULKHEAD)

DRG NO
2092180000

REV 01

DATE:21-2-2005

SHEET 1/1



NB	PIPE			SLEEVE			A WELDING GAP FOR FLANGE	WT. IN KG. APPROX.	
	D	t	L	D1	t1	L1		FOR ND 6 STD	FOR ND 10 STD
10	17.1	3.2	300	27.2	3.25	150	6	1.32	1.82
15	21.3	3.7	300	34.2	4.05	150	6	1.73	2.29
20	26.7	3.9	300	42.9	4.05	150	6	2.41	3.11
25	33.4	4.5	300	48.8	4.05	150	6	3.07	3.85
32	42.2	4.9	300	60.3	5.5	150	6	4.46	5.70
40	48.3	5.1	300	60.8	4.5	150	7	4.89	6.23
50	60.3	5.5	300	76.6	4.5	150	7	5.99	8.33
65	73.0	7.0	300	89.5	4.85	150	8	8.24	11.02
80	88.9	7.6	300	114.3	8.6	150	8	13.12	15.42
100	114.3	8.6	300	141.3	9.5	150	9	17.07	19.35
125	141.3	9.5	300	165	9.5	150	9	22.36	26.04
150	168.3	11.0	300	195	9.5	150	9	27.81	32.43
200	219.1	12.7	300	245	10	150	10	40.47	46.71
250	273.0	12.7	350	300	10	175	10	57.24	64.76
300	323.8	12.7	350	355	12	175	10	73.53	79.49

DIN ND 6 STD FLANGE

NB	ITEM CODE (NON GALV)	ITEM CODE (GALV)
10	2092180001	2092180501
15	2092180002	2092180502
20	2092180003	2092180503
25	2092180004	2092180504
32	2092180005	2092180505
40	2092180006	2092180506
50	2092180007	2092180507
65	2092180008	2092180508
80	2092180009	2092180509
100	2092180010	2092180510
125	2092180011	2092180511
150	2092180012	2092180512
200	2092180013	2092180513
250	2092180014	2092180514
300	2092180015	2092180515

DIN ND 10 STD FLANGE

NB	ITEM CODE (NON GALV)	ITEM CODE (GALV)
10	2092181001	2092181501
15	2092181002	2092181502
20	2092181003	2092181503
25	2092181004	2092181504
32	2092181005	2092181505
40	2092181006	2092181506
50	2092181007	2092181507
65	2092181008	2092181508
80	2092181009	2092181509
100	2092181010	2092181510
125	2092181011	2092181511
150	2092181012	2092181512
200	2092181013	2092181513
250	2092181014	2092181514
300	2092181015	2092181515

DIN ND 16 STD FLANGE

NB	ITEM CODE (NON GALV)	ITEM CODE (GALV)
10	2092182001	2092182501
15	2092182002	2092182502
20	2092182003	2092182503
25	2092182004	2092182504
32	2092182005	2092182505
40	2092182006	2092182506
50	2092182007	2092182507
65	2092182008	2092182508
80	2092182009	2092182509
100	2092182010	2092182510
125	2092182011	2092182511
150	2092182012	2092182512
200	2092182013	2092182513
250	2092182014	2092182514
300	2092182015	2092182515

NOTES:-

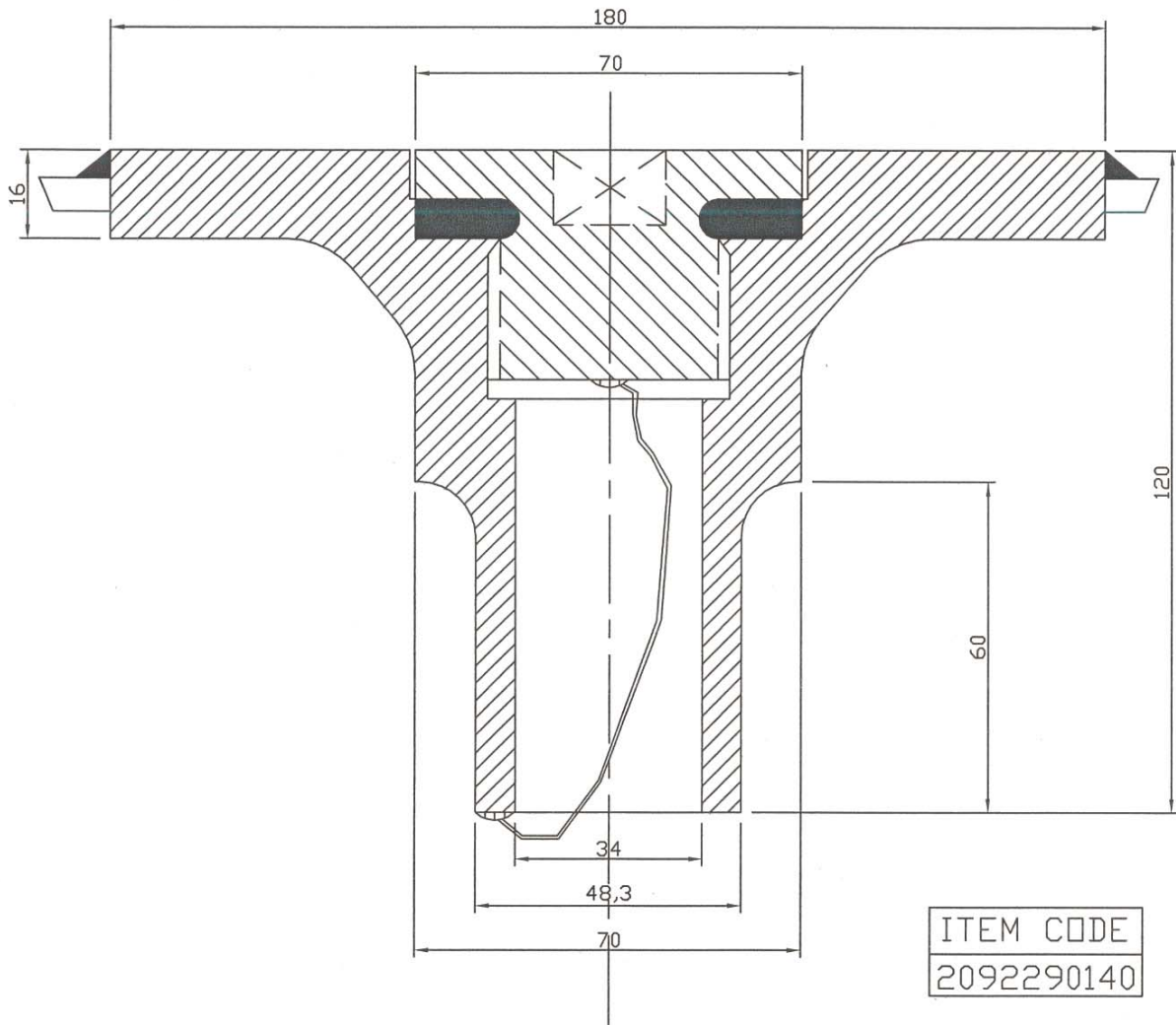
- Sleeve pipe can be either rolled from approved M.S. Plate or can be made from approved M.S. Pipe to IS 1239/ASTM/API/DIN/JIS STD. However wall thickness should not be less than that of Heavy Gauge size of IS 1239/1972 STD.
- Flange marked * to be supplied loose, welding surfaces of flange and pipe should not be galvanised.
- Holes in the sleeve made for galvanising or venting should be blanked by weld at site after welding with DK/BHD. & spray Galvanised with special galvanising paint in case of Galvanised pieces.
- Fittings should be hot dip galvanised as indicated in the above table.
- Test Pressure : Should be twice the working pressure.
- For details of end flanges refer Drg. no. 2092020000 for DIN ND 6 STD, Drg. no.2092030000 for DIN ND 10 STD, Drg. no.2092040000 for DIN ND 16 STD.
- Pipe material :- Seamless Steel to ASTM A 106 Gr. B (XS-extra strong) or eqvint.
- All dimensions are in MM.
- This drawing replaces drg no SEF018

REV 01: Notes updated on 31-5-07



SOUNDED DECK SCUTTLE
(40 NB)

DRG NO
2092290140
REV 00
DATE:01-10-2022
SHEET 1



NOTE: CHAIN TO BE SPOT WELDED TO THE FITTING

MATERIAL SPECIFICATION

SL.NO.	DESCRIPTION	QTY	MATERIAL SPECIFICATION	REMARKS
1	BODY	1	CAST STEEL,ASTM A216 Gr WCB	
2	CAP	1	SS 316	
3	CHAIN	1	SS/BRASS, 250 MM LONG	
4	PACKING	1	NEOPRENE RUBBER	



DECK SCUTTLE FOR FILLING

(50 NB TO 150 NB)

DRG.NO

2092350000

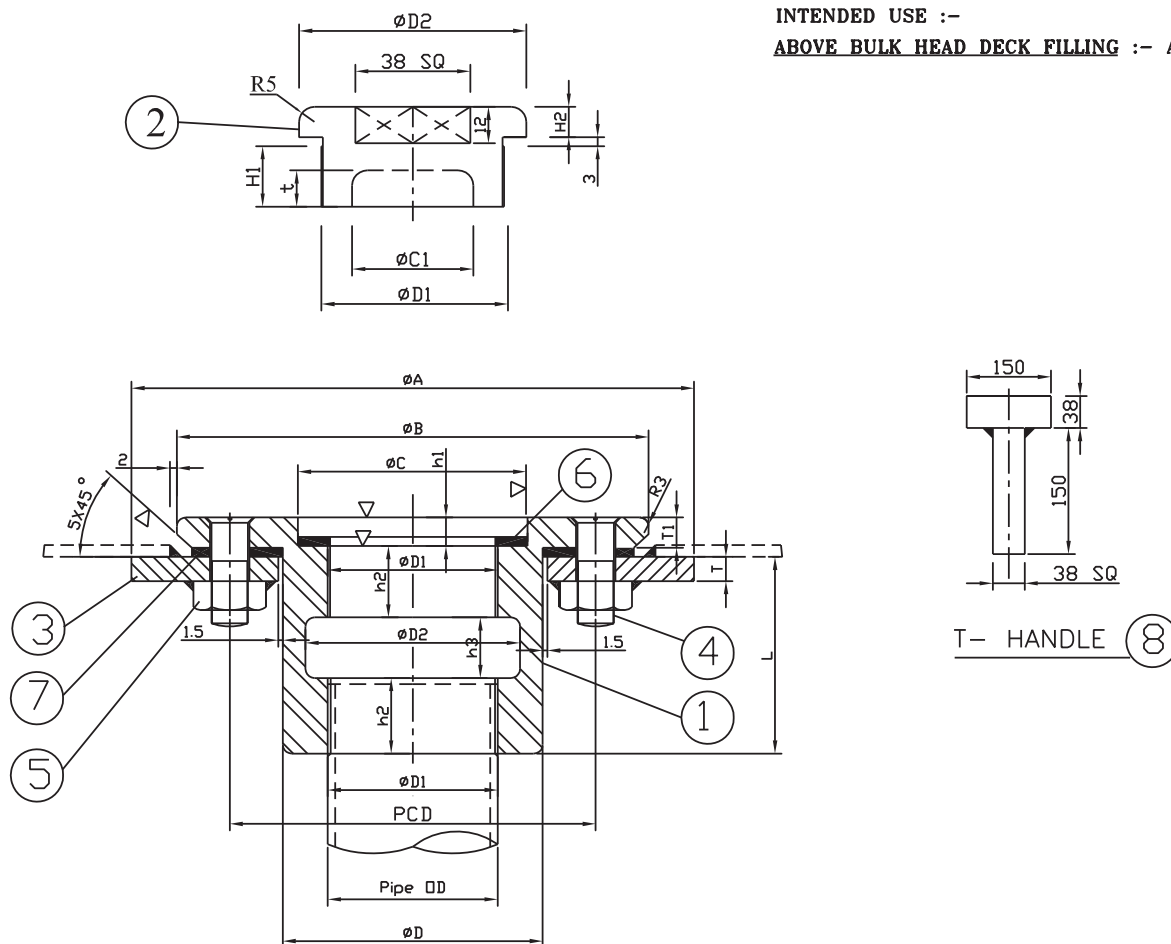
REV.01

DATE- 08-3-1990

SHEET 1/1

INTENDED USE :-

ABOVE BULK HEAD DECK FILLING :- ALL TANKS.



ITEM CODE	PIPE		AØ	BØ	CØ	DØ	THREAD D ₁ Ø	T	T ₁	L	h ₁	h ₂	h ₃	D ₂	C ₁	t	H ₁	H ₂	P.C.D	SCREWS	
	N.B.	O.D.																		NO. OFF	LENGTH
2092350001	50	60.3	190	160	80	90	2" BSP	8	8	70	8	25	20	75	40	12	20	10	125	4	35
2092350002	65	73.0	210	175	95	105	2½" BSP	8	10	70	8	25	22	90	50	12	20	10	140	4	35
2092350003	80	88.9	225	190	110	120	3" BSP	10	12	80	8	30	24	105	65	16	25	10	155	6	40
2092350004	100	114.3	255	215	135	145	4" BSP	12	15	90	10	30	35	130	90	18	25	12	180	8	45
2092350005	125	141.3	280	240	160	170	5" BSP	14	15	100	10	35	35	155	120	20	30	12	205	8	45
2092350006	150	168.3	310	270	190	200	6" BSP	15	18	110	10	40	38	185	145	25	35	12	235	8	50

MATERIAL SPECIFICATION

ITEM NO.	DESCRIPTION	QTY	MATERIAL SPECIFICATION	REMARKS
1	BODY	1	GUN METAL TO BS 1400 LG 4C	
2	CAP	1	GUN METAL TO BS 1400 LG 4C	
3	DECK PAD	1	M.S.TO IS 2062 (HOT DIP GALV.)	
4	M-12 COUNTER SUNK SCREWS	AS PER TABLE.	S.S TO AISI -304.	EQUALLY SPACED ON PCD
5	NUT (M - 12)	DO	S.S TO AISI -304.	TACK WELD WITH DECK PAD.
6	GASKET (3 Thk.)	1	C.A.F. TO BS 1832	
7	GASKET (3 Thk.)	1	C.A.F. TO BS 1832	
8	T- HANDLE (OPERATING KEY)	1	M.S.TO IS 2062 (HOT DIP GALV.)	

NOTES :-

- Hydraulic test pressure-4.5 kg/cm²
- Nominal bore and fitting number as per order should be punched on the body.
- Permissible overall dimensional variation should be within +/- 1.5 %
- All openings are to be blanked suitably prior to despatch.
- All dimensions are in mm
- This drawing replaces SEF035.



DECK SCUPPER

(40 NB to 65 NB)

DRG NO

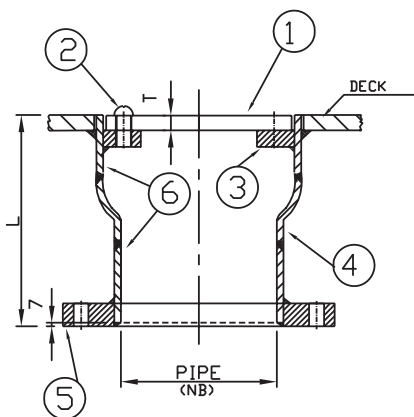
2092410000

REV 01

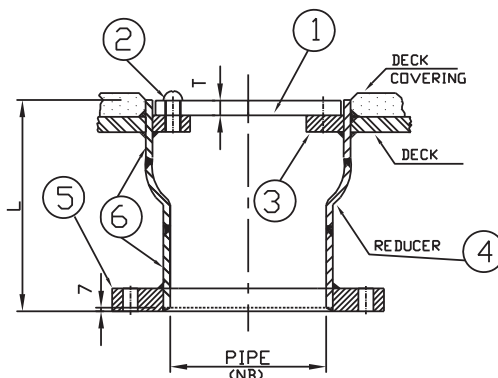
DATE 4-5-04

SHT NO 1/1

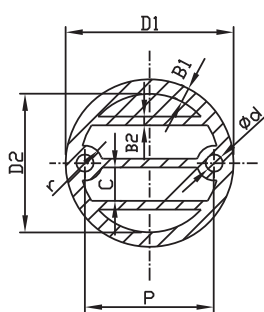
INTENDED USE :- WEATHER AND/OR COMPARTMENT DECKS (STEEL)



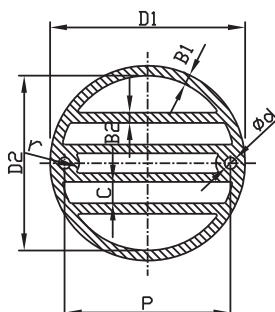
FOR WEATHER DECK & DRY COMPARTMENT



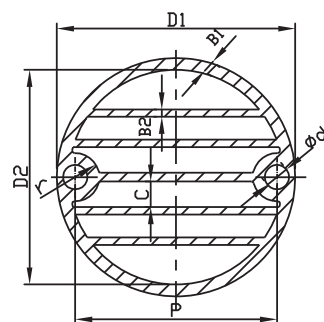
FOR WET COMPARTMENT



40 NB



50 NB



65 NB

ITEM CODE	NB	D1	D2	T	B1	B2	C	P	r	d	L	REDUCER		WT.(KG). (EXCLUDING FLANGE)
												NB	SCH	
2092411501	40	58	49	4	4.5	3.5	10	44	7	7.2	135	65 X 40	80	1.27
2092411502	50	70	60	4	5	3.5	10	55	7	7.2	140	80 X 50	80	1.87
2092411503	65	100	88	4	6	4.5	11	83	7	7.2	150	100 X 65	40	2.26

MATERIAL SPECIFICATION:

PART NO	DESCRIPTION	QTY	MATERIAL SPECIFICATION	REMARKS
1	SCUPPER GRID	1	S.S to AISI 316	
2	M6 SCREW (Round head)	2	S.S to AISI 316	
3	STOPPER PLATE 16 X 12 X 6 thk.	2	M.S to I.S 2062	
4	REDUCER (concentric)	1	SEAMLESS CARBON STEEL to ASTM A 234 Gr. A or B	Butt welded
5	FLANGE (Slip-on)	1	M.S to I.S 2062	DRGNO 2092030000
6	PIPES	1 each	SEAMLESS STEEL to ASTM A 106 Gr. B	40 NB & 50 NB - SCH 80. 65 NB - SCH 40.

NOTES:-

- Part nos. 3 to 6 to be Hot dip galvanised after complete fabrication.
- All dimensions are in mm.
- Except wet compt. scupper to be welded flush deck.
- Size and itemcode should be punched on the body.
- This drawing replaces drg.no SEF041



DECK SCUPPER
(WATER SEALED TYPE)
(40NB to 65 NB)

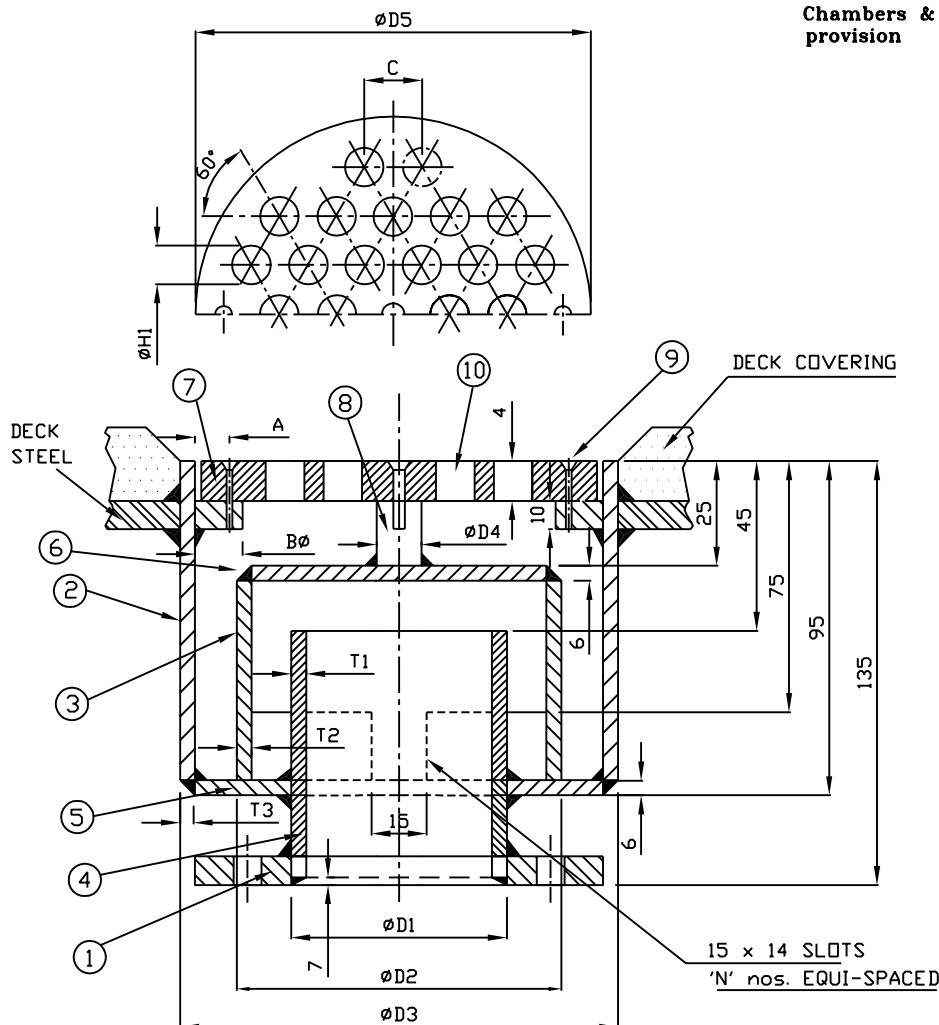
DRG NO
2092420000

REV 01

DATE: 4-5-05

SHT NO 1/1

INTENDED USE :-All Compartments, Cargo
Chambers & Refrigerated
provision

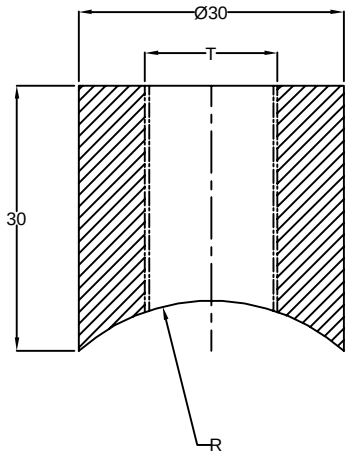
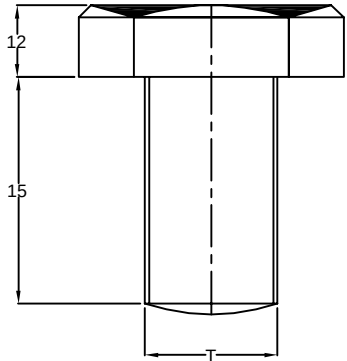


ITEM CODE	NB	ØD1	ØD2	ØD3	ØD4	ØD5	T1	T2	T3	ØH1	SCREW	A	ØB	C	N	WT.(KG). (EXCLU. FLANGE)
2092420004	40	48.3	73	114.3	15	100	5.1	5.2	6.0	8	M6 X 12 LONG	8	14	14	6	3.06
2092420005	50	60.3	88.9	141.3	15	125	5.5	5.5	6.6	10	M6 X 12 LONG	10	17	18	10	4.21
2092420006	65	73.0	114.3	168.3	15	150	7.0	6.0	7.1	13	M6 X 12 LONG	11	18	22	12	5.80

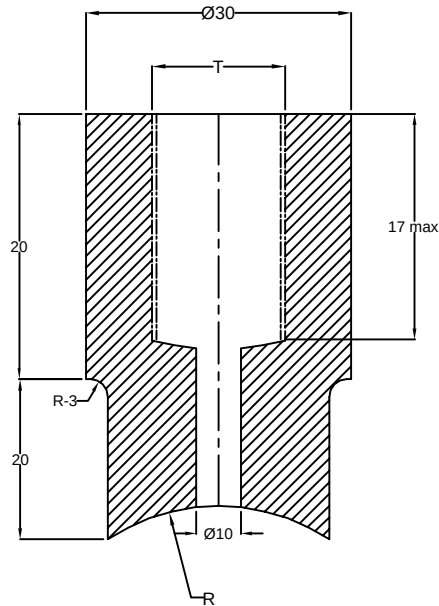
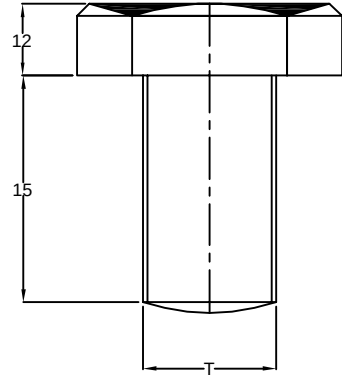
PART NO	DESCRIPTION	QTY	MATERIAL SPECIFICATION	REMARKS
1	FLANGE (slip-on)	1	M.S. to I.S. 2062	See Note 2.
2	BODY (pipe)	1	Seamless Carbon Steel to ASTM A 106 Gr.B (Sch.40).	HOT DIP GALVANISE AFTER COMPLETE FABRICATION.
3	SEAL CAP(pipe).	1	--- DO --- (SCH.40).	
4	PIPE	1	--- DO --- (SCH.80).	
5	BOTTOM PLATE	1	M.S. to I.S. 2062	
6	TOP PLATE	1	M.S. to I.S. 2062	
7	STOPPER PLATE	2	M.S. to I.S. 2062	
8	ROD	1	M.S. to I.S. 2062	
9	SCREW	3	S.S. to AISI-316	
10	SCUPPER GRID	1	S.S. to AISI-316	

NOTES:-

1. Permissible dimensional variation should be within +/- 1.5%.
2. Flange (part no.1) should conform to drawing no. 2092030000
3. All dimensions are in mm.
4. Size (NB) and item code to be punched on the body.
5. This drawing replaces the drawing no SEF042.



TYPE-I



TYPE-II

S.NO	SYSTEM	QTY	MAT.SPECIFI	TYPE	FITTING NO	T	R
1	F.O. SYSTEM	3	SS	II	FOF12	M18X1.5	13.35
		6	SS	I	FOF13	M18X1.5	13.35
2	SCUPPER & DISCHARGE	4	MS GALV	I	SDF16	M18X1.5	30.15
3	COMP.AIR SYSTEM	2	MS GALV	II	CAF16	M18X1.5	10.65
		3	MS GALV	II	CAF16	M18X1.5	21.10
4	SW COOLING SYSTEM	6	BRASS	II	SWF15	M18X1.5	66.50
		3	BRASS	II	SWF15	M18X1.5	22.25
		3	BRASS	II	SWF31	M18X1.5	8.00
5	EXHAUST SYSTEM	3	SS	I	EEF12	M18X1.5	177.80
		3	SS	I	EEF15	1/2"BSP	57.10
6	BILGE & FIRE MAIN	2	BRASS	I	BFF53	M18X1.5	38.05
7	FW SYSTEM	2	BRASS	I	DWF23	1/4" BSP	19.00

NOTES:-

- 1 FITTINGS SHALL WITHSTAND A TEST PRESSURE OF 10 KG/CM2
- 2 SUITABLE PACKING TO BE PROVIDED BETWEEN BOSS AND PLUG
- 3 ALL DIMENSION ARE IN MM

GOA SHIP YARD LTD				CLIENT MAURITIUS POLICE FORCE	CLASSIFICATION ABS
CLIENT BOSS WITH PLUG FOR TEMP/PRESS MEASURING POINTS				SHIP FAST PATROL VESSEL	
SCALE	DRAWN	REVANKAR	APPROVALS	YARD NO	DRAWING NUMBER
NTS	TRACED		OWNERS	1231-32	GSL/1231-32/E/109
	CHECKED	CAMILO	MMD		
	SEC.HEAD	MALKARNEKAR	CLASS		
DATE:20-3-2015				SHEET 1 OF 1	REV