



Table 1

Dimension (mm)	Tolerance
L < 50	±1.0
50 > L < 600	±1.5
600 > L < 1000	±3
1000 > L < 2000	±4

PRINCIPAL ITEMS	POSITION	
	FROM BDW	FROM KEEL
PROJECTION		mm
FIXING CONDITION	HORIZONTAL AT RUNNING	
PROTECTION TANK		

ITEM	NAME	MATERIAL	Q'TY	P/NO.	REMARKS
13	FLAT WASHER	Nylon	10		
12	FLAT WASHER	SUS316L	10		M12
11	SPRING WASHER	SUS316L	10		M12
10	HEX.NUT	SUS316L	20		M12
9	SPRING WASHER	SUS316L	8		M12
8	HEX.BOLT	SUS316L	8		M12X50
7	THRU-HULL GLAND	Steel	1	WMB-SG	
6	SPACER	Tube	10	134.5mm - See note 11.	
5	GASKET	Rubber	1	ENL supply	1.5mm thick
4	CLAMPING PLATE	SS400	1		10mm thick
3	MOUNTING PLATE	SS400	1		10mm thick
2	CASING	SS400	1		
1	TRANSDUCER		1	WMBT-80F	

- NOTE
1. SHIPYARD SUPPLY
 2. TO AVOID DISTORTION BY HEAT, PUT "FIXING FLANGE" (WITHOUT TRANSDUCER) ONTO CASING WHILE CUTTING AND/OR WELDING. REMOVE GASKET FROM THRU-HULL PIPE BEFORE WELDING. CASING SHOULD FACE BOW DIRECTION.
 3. MAKE A HOLE OF 10 TO 20MM IN DIA ON STERN SIDE TO ALLOW AIR TO ESCAPE FROM TANK.
 4. ALLOW ENOUGH CLEARANCE AROUND THRU-HULL GLAND FOR EASY TIGHTENING AND SERVICING.
 5. IF NECESSARY, PROVIDE NET PROTECTOR AND PROTECTION TANK (BY SHIPYARD)
 6. AFTER INSTALLATION, REMOVE ANTICORROSION PAINT FROM CASING AND THEN PAINT ACCORDING TO SHIPYARD INSTRUCTIONS.
 7. DO NOT PAINT TRANSDUCER FACE.
 8. "A": FILL GAP AROUND BOLT WITH SILICONE SEALANT.
 9. TABLE 1 INDICATES TOLERANCE OF DIMENSIONS WHICH IS NOT SPECIFIED.
 10. APPLY BURN PREVENTION GREASE TO BOLTS.
 11. ADJUST FIT OF SPACER SO CLAMP PLATE IS A TIGHT FIT ONTO TOP OF TRANSDUCER WITHOUT DISTORTING THE 6mm MOUNTING PLATE.

Note: All Equipment Cases to be Earthed Installation to comply with applicable cl of: (1) LRS +100A1 Ice Classic, LMC, UMS (2) IEC Stds, IMD & SOLAS - per TRS (3) IEC60533 for EMI/EMC - per TRS (4) NZ Maritime Rules - per TRS (5) Equip supplier install reqmts

PROJECT : WASSP		STATUS : For Installation	
TITLE : WASSP 80KHZ Transducer Mounting Hull Housing		SHEET : 1 of 1	
PREPARED BY : VH		SCALE : 1:1	
CHECKED BY : HVdes		APPROVED BY :	
DRAWING NO. : WASSP.80026		DATE : 18-05-2009	
REVISION : 2		DATE : 18-05-2009	

