

Balun Mounting Bracket

US Patent No. D597,086

DXE-BMB-4P

DXE-BMB-4P-INS Rev 2

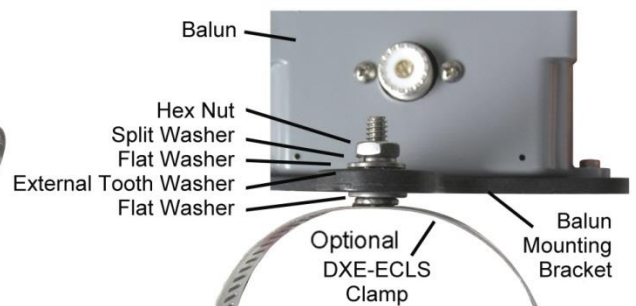
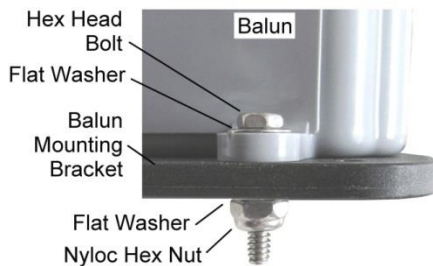
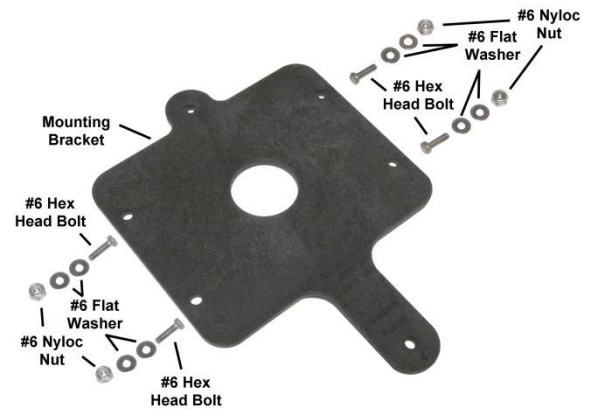


This custom made patented Balun Mounting Bracket and Stainless Steel Hardware Kit will allow you to mount your quality **DX Engineering Maxi-Core® 20 Balun** directly to a boom or pipe. When used with optional **DXE-ECLS** Stainless Steel Band Clamps with Studs, you can mount the Balun Mounting Bracket on a boom or pipe ranging in size from 1/2" to 3-1/4".

The unique design provides minimum capacitive coupling to the wire and field surrounding the Balun core plus a special UV resistant, strong black plastic compound.

This custom made Balun mounting bracket will fit other manufacturers' similarly packaged Baluns and includes the stainless steel Balun mounting hardware.

Use the included Stainless Steel Hardware to mount the Balun as shown below. Choose the appropriate sized optional **DXE-ECLS** clamps and install them on the Balun Mounting Bracket as shown below. When installing stainless steel hardware, it is suggested that **Jet-Lube SS-30 Anti-Seize (JTL-12555)** be used to prevent thread galling.



Below are examples of the Balun Mounting Bracket in use. Use of the **DXE-BALUN-WK** Wire kit is recommended. Wires are shown below in Red for clarity.



Optional Items

Stainless Steel Band Clamps with Stud

These marine grade stainless steel band clamps are great for mounting items or making connections to a tube or pipe with an outside diameter ranging from 0.50" to 3.25". Each stainless steel band clamp has a 3/4 inch long, 10-24 stud welded to it, which allows attachments without drilling holes that could weaken element or tower tubing. Stainless steel attachment hardware consisting of flat washers, split-ring lock washers, external star washers and 10-24 hex nuts are included.

Tube Size OD (Inches)	Ideal*	Size Range* OD (Inches)	DX Engineering Part Number
0.500	1/2	0.32 to 0.58	DXE-ECLS-050
0.625	5/8	0.42 to 0.68	DXE-ECLS-062
0.750	3/4	0.57 to 0.83	DXE-ECLS-075
0.875	7/8	0.64 to 0.87	DXE-ECLS-087
1.000	1	0.70 to 1.00	DXE-ECLS-100
1.125-1.250	1-1/8 - 1-1/4	0.83 to 1.25	DXE-ECLS-125
1.500	1-1/2	1.01 to 1.50	DXE-ECLS-150
1.750	1-3/4	1.15 to 1.75	DXE-ECLS-175
2.000	2	1.31 to 2.00	DXE-ECLS-200
2.250	2-1/4	1.31 to 2.25	DXE-ECLS-225
2.500	2-1/2	1.56 to 2.50	DXE-ECLS-250
2.750	2-3/4	1.81 to 2.75	DXE-ECLS-275
3.000	3	2.06 to 3.00	DXE-ECLS-300
3.250	3-1/4	2.31 to 3.25	DXE-ECLS-325



JTL-12555 Jet-Lube™ SS-30 Pure Copper Anti-Seize 12555

Jet-Lube™ SS-30 Pure Copper Anti-Seize is the top choice of engineers and technicians in government, industry and leading Amateur Radio contest stations, for protecting mechanical assemblies of aluminum tubing, general hardware and copper grounding systems. On bonded metal surfaces Jet-Lube™ SS-30 assures electrical and RF conductivity while preventing oxidation and corrosion. Surpassing the capabilities of other aluminum anti-oxidants, the wide temperature range of Jet-Lube™ SS-30 prevents long-term drying and caking, and allows easy disassembly and effortless cleaning of parts. It contains a high concentration of copper flakes, a requirement for heavy loads or compression; controlled frictional characteristics allow the surfaces of nuts and bolts to be tightened to their design torque specifications. This anti-seize product assures full hydraulic efficiency by allowing the metal surfaces to slide over each other without damaging metal-to-metal contact. Jet-Lube™ SS-30 is also designed to work as a similar and dissimilar component between two metal surfaces to prevent seizing and galvanic action.



Manual Updates

Every effort is made to supply the latest manual revision with each product. Occasionally a manual will be updated between the time your DX Engineering product is shipped and when you receive it. Please check the DX Engineering web site (www.dxengineering.com) for the latest revision manual.

Technical Support

If you have questions about this product, or if you experience difficulties during the installation, contact DX Engineering at (330) 572-3200. You can also e-mail us at: DXEngineering@DXEngineering.com

For best service, please take a few minutes to review this manual before you call.

Warranty

All products manufactured by DX Engineering are warranted to be free from defects in material and workmanship for a period of one (1) year from date of shipment. DX Engineering's sole obligation under these warranties shall be to issue credit, repair or replace any item or part thereof which is proved to be other than as warranted; no allowance shall be made for any labor charges of Buyer for replacement of parts, adjustment or repairs, or any other work, unless such charges are authorized in advance by DX Engineering. If DX Engineering's products are claimed to be defective in material or workmanship, DX Engineering shall, upon prompt notice thereof, issue shipping instructions for return to DX Engineering (transportation-charges prepaid by Buyer). Every such claim for breach of these warranties shall be deemed to be waived by Buyer unless made in writing. The above warranties shall not extend to any products or parts thereof which have been subjected to any misuse or neglect, damaged by accident, rendered defective by reason of improper installation, damaged from severe weather including floods, or abnormal environmental conditions such as prolonged exposure to corrosives or power surges, or by the performance of repairs or alterations outside of our plant, and shall not apply to any goods or parts thereof furnished by Buyer or acquired from others at Buyer's specifications. In addition, DX Engineering's warranties do not extend to other equipment and parts manufactured by others except to the extent of the original manufacturer's warranty to DX Engineering. The obligations under the foregoing warranties are limited to the precise terms thereof. These warranties provide exclusive remedies, expressly in lieu of all other remedies including claims for special or consequential damages. SELLER NEITHER MAKES NOR ASSUMES ANY OTHER WARRANTY WHATSOEVER, WHETHER EXPRESS, STATUTORY, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, AND NO PERSON IS AUTHORIZED TO ASSUME FOR DX ENGINEERING ANY OBLIGATION OR LIABILITY NOT STRICTLY IN ACCORDANCE WITH THE FOREGOING.

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