

CRITICAL FASTENER CLASSIFICATION

| UPSM CLASS | THREAD CLASS | THREAD TYPE | HEAT TREAT | MTR REQUIRED | LOCATION |
|------------|--------------|---------------|-------------------|--------------|--|
| 1 | 3A | ROLLED | PRE TREAT | YES | CONNECTING ROD STUDS AND BOLTS. STUDS THAT SCREW INTO THE ENGINE OR COMPRESSOR AND ARE NOT NORMALLY REMOVED TO PERFORM MAINTENANCE. |
| 2 | 2A | ROLLED | PRE TREAT | YES | FASTENERS THAT ARE PART OF A PRESSURE BOUNDARY AND ARE TYPICALLY REMOVED TO PERFORM MAINTENANCE. THESE INCLUDE SPOOL PIECE BOLTS, BOTTLE BOLTS AND PIPING FLANGE |
| 3 | 2A | ROLLED OR CUT | PRE OR POST TREAT | NO | GENERAL FASTENING. DOORS AND COVERS |

ALL UPSM TYPE 1 AND 2 FASTENERS TO BE SOURCED FROM AMERICAN SUPPLIERS ONLY

ALL FASTENERS TO BE ASTM A193 GRADE B7 UNLESS OTHERWISE SPECIFIED BY CLIENT OR OEM SPECIFICATION

ALL FASTENERS SHALL BE STAMPED WITH MATERIAL GRADE AND MAKERS MARK

** B&G IS NOT AN APPROVED VENDOR AS EITHER A PRIMARY VENDOR OR AS A SOURCE OF MATERIAL FOR THE FASTENER SUPPLIER **

APPROVED VENDORS LIST FOR UPSM CLASS 1 AND CLASS 2 FASTENERS

ALL OHIO THREADED ROD

AMERIBOLT

ALLOY AND STAINLESS FASTENERS

CHICAGO NUT AND BOLT

HIGHLAND THREADS

LOK-MOR

NSK INDUSTRIES

ROHDER MACHINE & TOOL

ROLLED THREADS UNLIMITED

USA FASTENER GROUP

WYANDOTTE INDUSTRIES

DYSON CORP.