LIST OF ABBREVIATIONS

AA - Aluminium Association
AISI - American Institute of steel and iron
ASTM - American Society of Testing and Materials
BM - Base Metal
BOL - Burn off length
CDDFW - Continuous Direct Drive Friction Welding
DCT - Deep Cryogenic Treatment
EN - English Number
FP - Friction pressure
GPZ - Guinier–Preston Zone
HV - Vickers Hardness
HAZ - Heat Affected Zone
MIG - Metal Inert gas Welding
MPa - Mega Pascal
mpy - mils per year
PWHT - Post weld Heat Treatment
rpm - Revolution per minute
SCT - Shallow cryogenic treatment
SEM - Scanning Electron microscopy
T6 - Solutionized and artificially aged
TMAZ - Thermo mechanically Affected Zone
TIG - Tungsten Inert gas Welding
UP - Upset pressure
UTS - Ultimate Tensile strength
UV - Ultra violet