

## List of Abbreviations

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ARB	Accumulative Roll-Bonding
BOP	Basic Oxygen Process
CG	Coarse Grain
DH	Dortmund-Horder
EBS	Electron Back Scattered Diffraction
ECAP	Equal-Channel Angular pressing
ED	Extrusion Direction
FA	Flash Annealing
FG	Fine Grain
GNBs	Geometrically Necessary Dislocations
HAGB	High Angle Grain Boundary
HPT	High Pressure Torsion
IDBs	Incidental Dislocation Boundaries
IF	Interstitial-Free
IPF	Inverse Pole Figure
LAGB	Low Angle Grain Boundary
LN	Liquid Nitrogen
MDF	Multi-Directional Forging
ND	Normal Direction
ODF	Orientation Distribution Function
PF	Pole Figure
Q-BOP	Quick-Quiet Basic Oxygen Process
RD	Rolling Direction
RH	Ruhrstahl Heraeus
SEM	Scanning Electron Microscopy
SFE	Stacking Fault Energy
SPD	Severe Plastic Deformation
TD	Transverse Direction
TE	Total Elongation
TEM	Transmission Electron Microscopy

TE	Twist Extrusion
UE	Uniform Elongation
UFG	Ultrafine-Grain
UTS	Ultimate Tensile Strength
VAD	Vacuum Arc Degassing
VD-OB	Vacuum Degassing-Oxygen Blowing
VFG	Very Fine Grain
VHN	Vickers Hardness Number
VOD	Vacuum Oxygen Decarburization
VTD	Vacuum Tank Degassing
XRD	X-ray Diffraction
YS	Yield Strength