

STEEL TUBE INSTITUTE

HSS Design Manual, Volume One Section Properties & Design Information

Table of Contents

Introduction to HSS	1
Architectural Uses of HSS	6
Fire Protection	9
Architecturally Exposed Structural Steel	12
Efficient Use of HSS	15
Understanding HSS Material Specifications	17
Tolerances	21
Section Selection Guide	27
HSS Properties	28
Tables: HSS Dimensions and Properties	30
Efficient Connections	142
HSS Welding Basics	145
Bolting to HSS	150
HSS Under Blast Loading	155
Progressive Collapse Resistance Design Using HSS	159
Seismic Design Using HSS	162