

Figure 10 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.15 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

Figure 11 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.20 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

Figure 12 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.25 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

Figure 13 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.30 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

Figure 14 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.35 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

Figure 15 shows the relationship between the yield strength and the elongation of the steel sheet for the thickness of 0.40 mm. The yield strength of the steel sheet is 20/1 000 MPa, and the elongation is 15/1 000 %.

4. Method of Calculating

**Required Yield Strength
of Energy Dissipative Brace Connections
for Retrofitting**

Figure 12.10.10.1. Required yield strength of energy dissipative brace connections