

MaxTech Robot Design Reference Sheet

This reference sheet will provide details on some basic components' properties and dimensions. Other basic components will be downloaded off the internet.

Fasteners

Bolts

Type:

Hex Head

Material:

Cast Carbon Steel

Size:

¼" - 20 For structural application (e.g. Frame, Chassis)

#10 - 32 For smaller component fastening (e.g. Vex Electronics to frame)

Lengths:

Vary - Depending on application

Thread Length:

Select as required

Nuts

Material:

Cast Carbon Steel

Size:

¼" - 20 (For ¼ - 20 Bolts)

#10 - 32 (For #10 - 32 Bolts)

Finish:

Double Chamfer

Structural

Flatbar, Roundbar, Rectangular Tube, Square tube

Reference Drawings