

STRONGWELL® SHAPES & PLATES

EXTREN® FIBERGLASS SERIES

EXTREN® is a proprietary combination of fiberglass reinforcements and thermosetting polyester or vinyl ester resin systems. It is produced in more than 100 standard shapes. All EXTREN® shapes have a surface veil to protect against glass fibers penetrating the resin surface in service and to increase corrosion and UV resistance. EXTREN® is offered in three series designed for different environments and applications.

EXTREN® 500

An all-purpose series utilizing an isophthalic polyester resin system with a UV inhibitor.

Color: olive green

EXTREN® 525

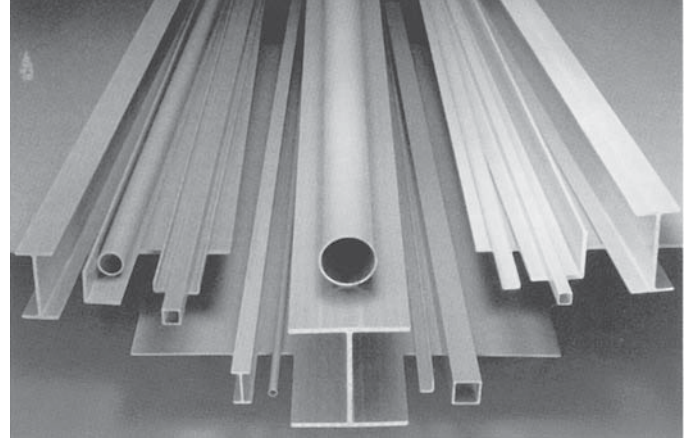
An all-purpose series utilizing a fire retardant isophthalic polyester resin system with a UV inhibitor.

Color: slate gray (plus certain handrail and fixed-ladder components in yellow)

EXTREN® 625

A premium series — both fire retardant and highly corrosion resistant — utilizing a vinyl ester resin system with a UV inhibitor.

Color: beige



Availability List

STOCKED

NONSTOCKED

Equal Leg Angles

1 x 1/8
1-1/4 x 3/16
1-1/2 x 3/16
1-1/2 x 1/8
1-1/2 x 1/4
2 x 3/16
2 x 1/4
3 x 1/4
3 x 3/8
4 x 1/4
4 x 3/8
4 x 1/2
6 x 1/2

1-1/4 x 1/8
2 x 1/8
5 x 1/2
6 x 1/4 (Stock Series 525)
6 x 3/8

Unequal Leg Angles

1-3/4 x 1-1/4 x 1/4

Channels

2 x 9/16 x 1/8
3 x 7/8 x 1/4
4 x 1-3/8 x 3/16
4 x 1-1/8 x 1/4
5 x 1-3/8 x 1/4
6 x 1-5/8 x 1/4
8 x 2-3/16 x 3/8
10 x 2-3/4 x 1/2 (24' lg.)
1-1/2 x 1 x 3/16
1-1/2 x 1-1/2 x 1/4
2 x 7/8 x 1/4
2-5/8 x 1/8 x 1-1/4 x 3/16
3 x 1 x 3/16
3-1/2 x 2 x 3/32
4 x 1-1/16 x 1/8
6 x 1-11/16 x 3/8 (Stock S-500)
8 x 2-3/16 x 1/4
14 x 3-1/2 x 3/40
18 x 2-3/16 x 3/16

I-Beams

3 x 1-1/2 x 1/4
4 x 2 x 1/4
8 x 4 x 3/8
2 x 1 x 1/8
6 x 3 x 1/4
6 x 3 x 3/8
8 x 4 x 1/2
10 x 5 x 3/8
10 x 5 x 1/2
12 x 6 x 1/2
18 x 3/8 x 4-1/2 x 1/2
24 x 3/8 x 7-1/2 x 3/4

Wide Flange Beams

3 x 1/4
4 x 1/4
6 x 3/8
8 x 3/8
10 x 3/8 (32'lg.)
2 x 1/8
8 x 1/2
10 x 1/2
12 x 1/2

Plate

1/8"
3/16"
1/4"
3/8"
1/2"
3/4"
5/8"
1"

Round Tube

1 x 1/8
1-1-4 x 1/8
1-1/2 x 1/8
1-1/2 x 1/4
2 x 1/8
2 x 1/4
2-1/2 x 1/4
3 x 1/4

3/4 x 3/16
1-1/4 x 3/16
1-3/8 x 3/16
1-3/4 x 1/8
1-3/4 x 1/4
2-3/4 x 3/8
3 x 1/8
3-1/2 x .140
4 x 1/8
4 x 1/4
5 x 1/8
5 x 1/4
6 x 1/8
6 x .156
8 x 1/4
8 x 3/16
10 x 3/16

FIBREBOLT® Studs and Nuts

Stocked in 4' lengths
Size: 3/8", 1/2", 5/8",
3/4", 1"

Rectangular Tube

4 x 1/8 x 2 x 1/4
2-1/2 x 1-5/8 x 1/8
3-1/4 x 2-1/2 x .160
6-1/2 x 1/4 x 2 x 1/2
7 x 4 x 1/4

Square Tube

1 x 1/8
1-1/2 x 1/8
2 x 1/8
2 x 1/4
2 x 1/4 (Yellow Series 525)
2-1/2 x 1/4 (Yellow Series 525)
3 x 1/4
4 x 1/4

1-1/4 x 1/8
1-1/2 x 1/4
1-3/4 x 1/8**
1-3/4 x 1/4**
2-1/2 x 1/4
6 x 3/8

Square Bar - Thermal Cure Clear

1/2"
5/8"
3/4"
1"
1-1/4"
1-1/2"

Rod - Thermal Cure Clear

1/4"
3/8"
1/2"
5/8"
3/4"
13/16"
.7/8"
1"
1-1/8"
1-1/4"
1-1/2"
1-7/8"
2"

Special Pultruded Shapes

Corner Post

3-1/4 x 1/8

Curb Angle

1 x 1-1/2
1-1/2 x 1-1/2
2 x 1-1/2
(stocked at
Chatfield Division)

F-Section

5-1/2 x 1-1/2 x 1/4
6 x 1-1/2 x 1/4

Flat Bar

.25 x .25
.25 x .75
.25x .812

Flat Strips

1 x 1/4
2 x 3/16
2 x 1/4
3 x 3/16
3 x 1/2

Flight Channel

5-1/4 x 1/8 x 2-1/2 x 3/16
7-1/8x 1/8 x 2-1/2 x 3/16

Foam Core Planks

4 x 2
5 x 2
6 x 2
8 x 2

Framing Angle

2 x 2 x 1/4

Custom Pultrusions

strongwell produces custom pultrusions in many shapes and materials for hundreds of customers. The listing on this page is only a partial listing of dies owned by Strongwell.

Additional Sections are frequently added and modifications to existing sections may be possible. For special needs contact your EXTREN® distributor. For special needs, contact your P & R Metals representative.

H-Section

3-1/2x 1-9/16x 1-1/2x 1/4

Hat Section

3-1/2 x 1-7/8 x 2 x 1/8

Square Tube w/Round Hole

1" sq. with 3/4" round hole
1" sq. with 5/8" round hole
1-1/2" sq. with 1" round hole

Stair Riser

8 x 1-1/2 x 1/8

Top Rail

2 x 1/4 modified rd. tube

Z-Section

1-1/4 x 2-1/2 x 1/8

Kick Plate

4 x 1/2 x 3/16
(Yellow; Series 525)

Slide Guide

2-1/2 x 2-1/4 x 1/4
(White; Series 500)

Square Tube

2 x .156 yellow

Strut

1-5/8 x 1-5/8 x 5/32
(Gray; Series 525)

**1-3/4 x 1/8 and 1-3/4 x 1/4 Square Tubes are undersized to allow telescoping.