

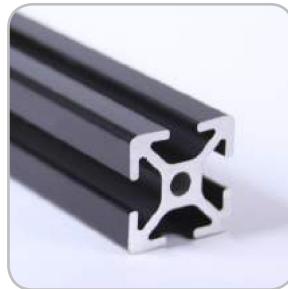
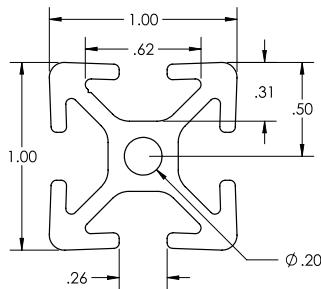
02 FRACTIONAL EXTRUSIONS

Fractional Extrusions

10 SERIES

TS10-10

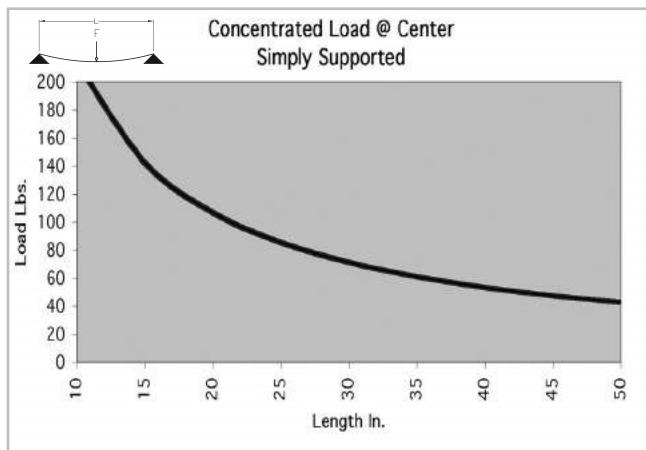
Clear Anodized - 650000
Black Anodized - 650100



SPECIFICATIONS

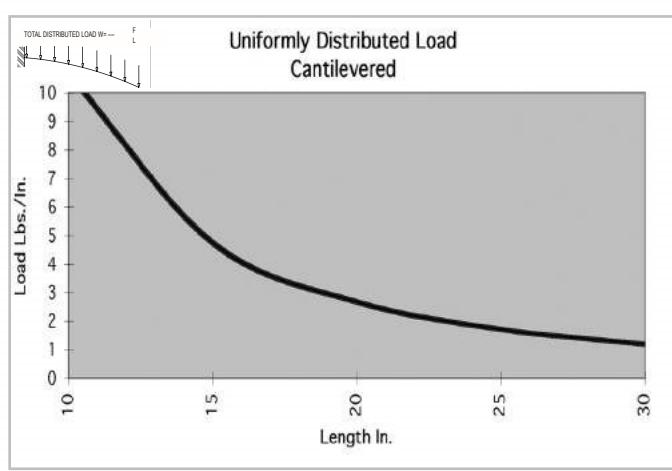
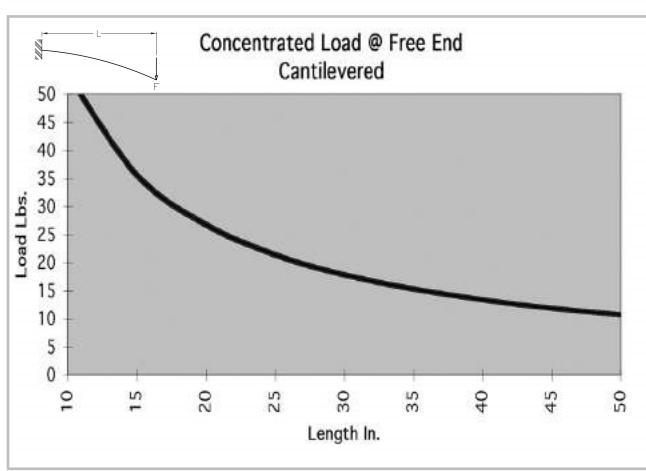
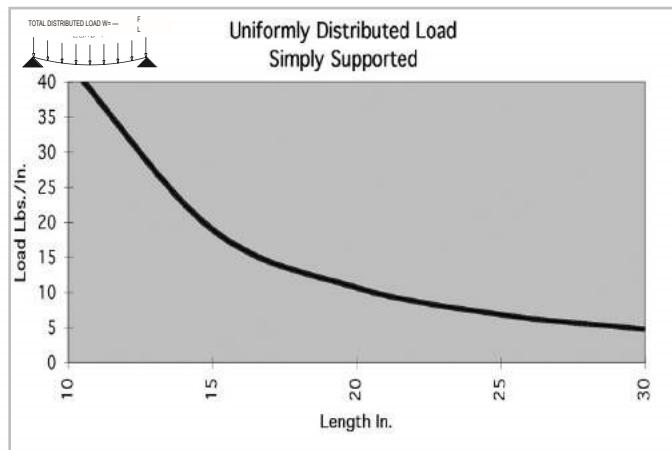
Length	240" (6 m)
Weight	0.548 lbs/ft (0.816 kg/m)
Estimated Area	0.457 in ² (2.948 cm ²)
Moment of Inertia	$I_x = 0.046 \text{ in}^4 (1.915 \text{ cm}^4)$ $I_y = 0.046 \text{ in}^4 (1.915 \text{ cm}^4)$

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660035
Tap M6	660036



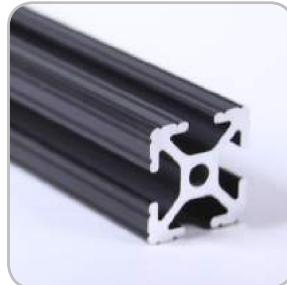
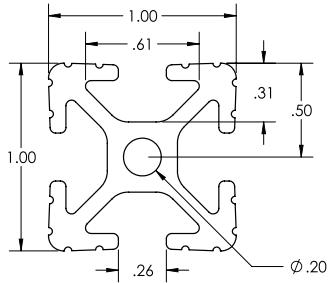
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

10 SERIES

TS10-10 GR

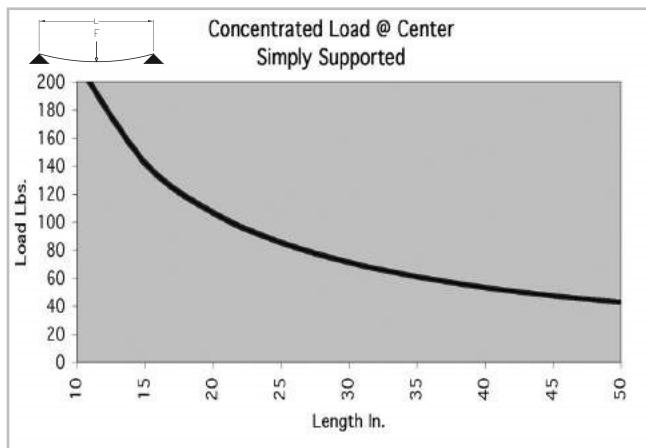
Clear Anodized - 650070
Black Anodized - 650170



SPECIFICATIONS

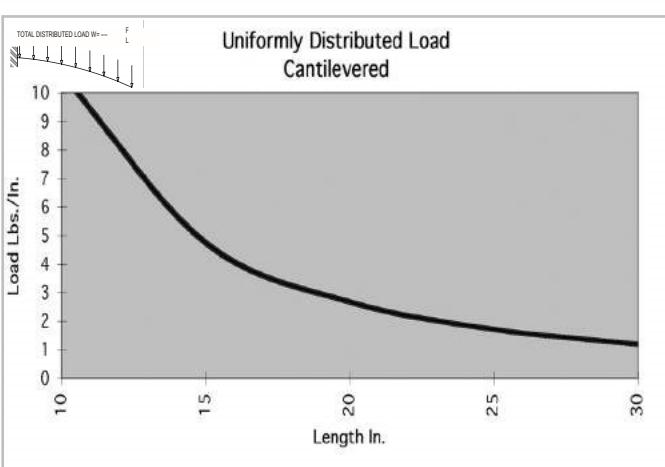
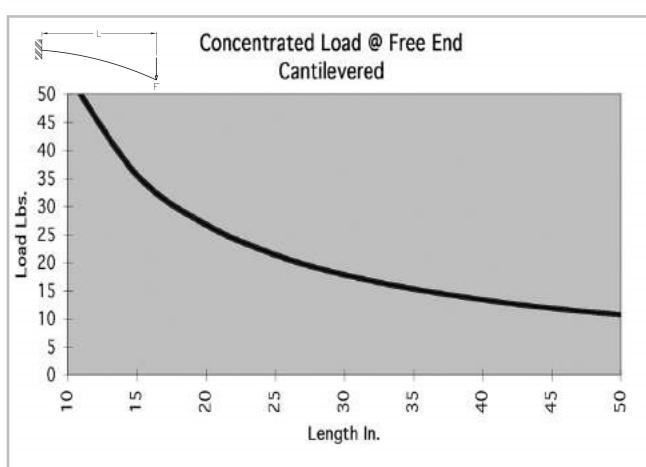
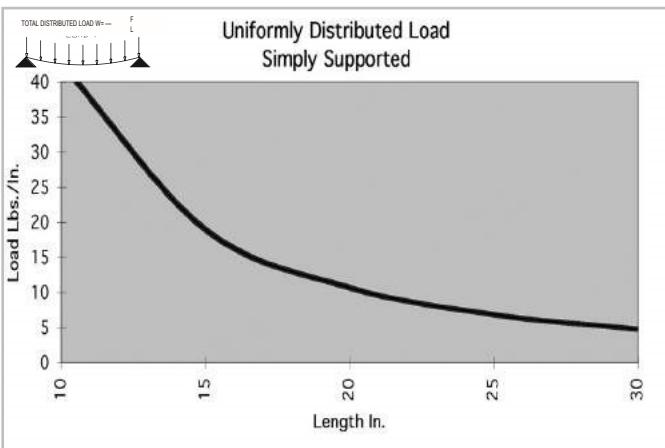
Length	.....	240" (6 m)
Weight	.....	0.548 lbs/ft (0.816 kg/m)
Estimated Area	.....	0.457 in ² (2.948 cm ²)
Moment of Inertia	.....	$I_x = 0.046 \text{ in}^4$ (1.915 cm ⁴) $I_y = 0.046 \text{ in}^4$ (1.915 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	.....	660002
Single Access Hole	.....	660029
Single Anchor Fastener	.....	660022
Tap 1/4 -20	.....	660035
Tap M6	.....	660036



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

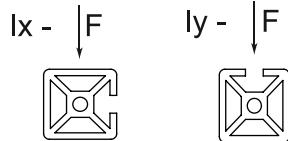
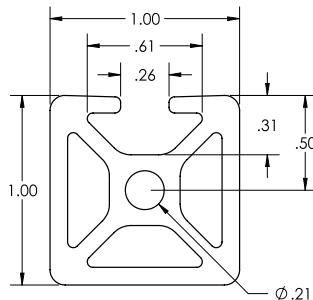
» For deflection equations see page 10

Fractional Extrusions

10 SERIES

TS10-10 MONOSLOT

Clear Anodized - 650060



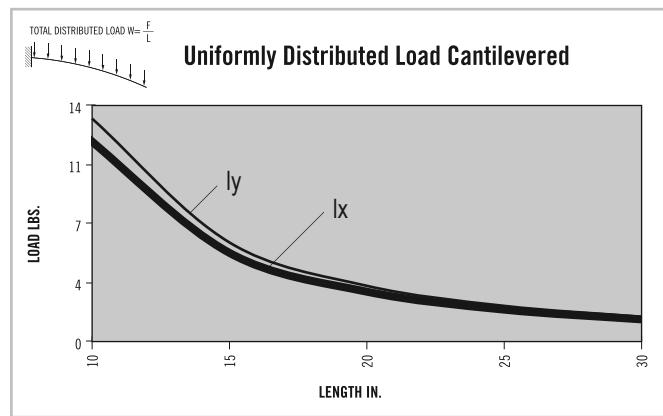
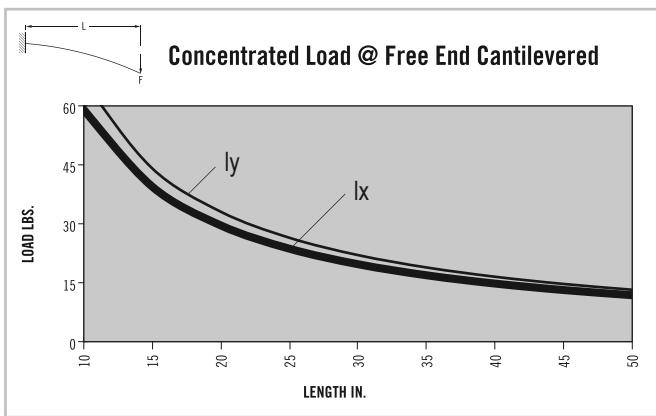
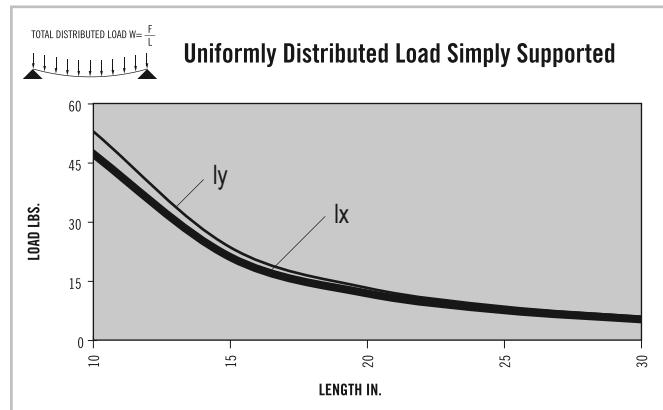
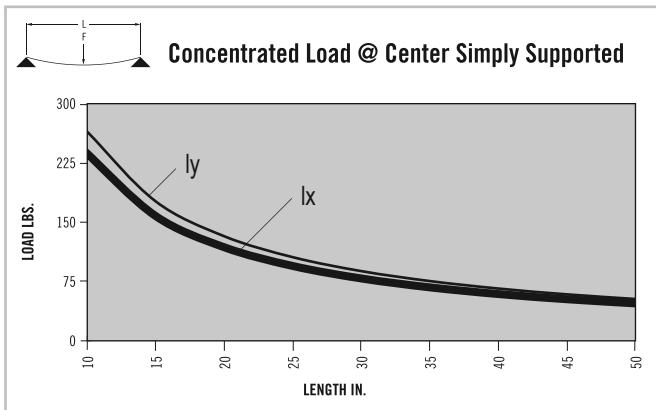
SPECIFICATIONS

Length	240" (6 m)
Weight	0.637 lbs/ft (0.948 kg/m)
Estimated Area	0.531 in ² (3.426 cm ²)
Moment of Inertia	I _x =0.051 in ⁴ (2.136 cm ⁴) I _y =0.057 in ⁴ (2.371 cm ⁴)

MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 - 20	660035
Tap M6	660036

BEAM SELECTION BY LOAD AND LENGTH



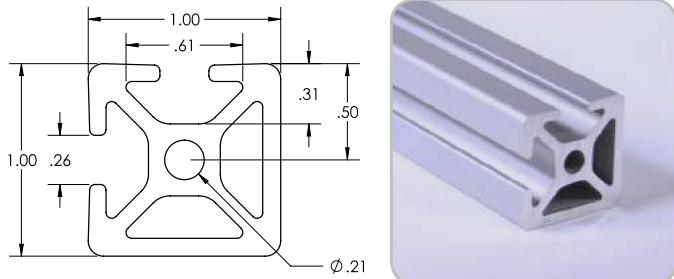
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

10 SERIES

TS10-10 BISLOT AD

Clear Anodized - 650061



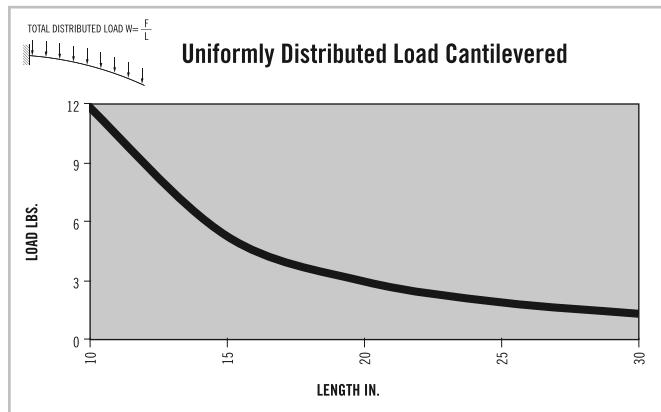
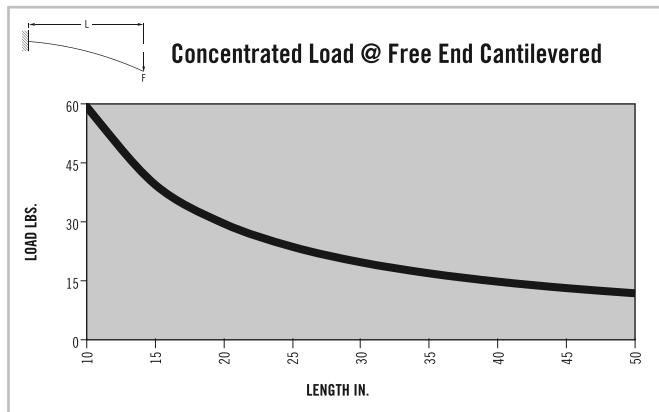
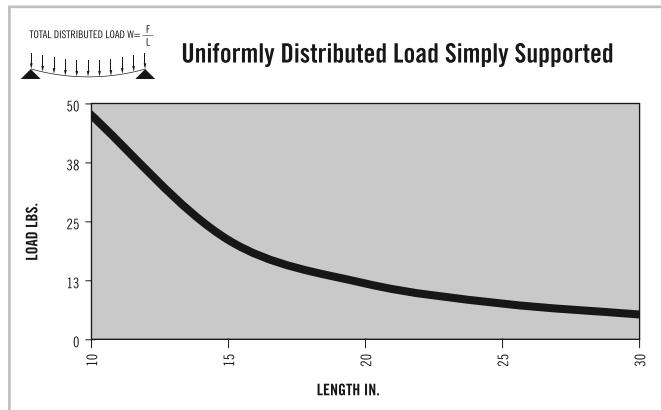
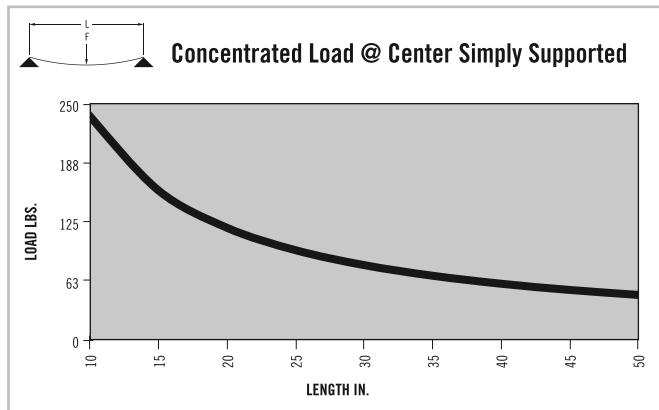
SPECIFICATIONS

Length	240" (6 m)
Weight	0.605 lbs/ft (0.900 kg/m)
Estimated Area	0.504 in ² (3.253 cm ²)
Moment of Inertia	I _x =0.051 in ⁴ (2.136 cm ⁴) I _y =0.051 in ⁴ (2.136 cm ⁴)

MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660035
Tap M6	660036

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

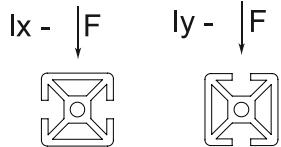
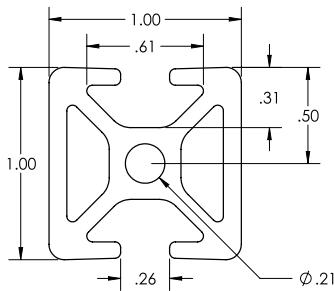
» For deflection equations see page 10

Fractional Extrusions

10 SERIES

TS10-10 BISLOT OPP

Clear Anodized - 650062



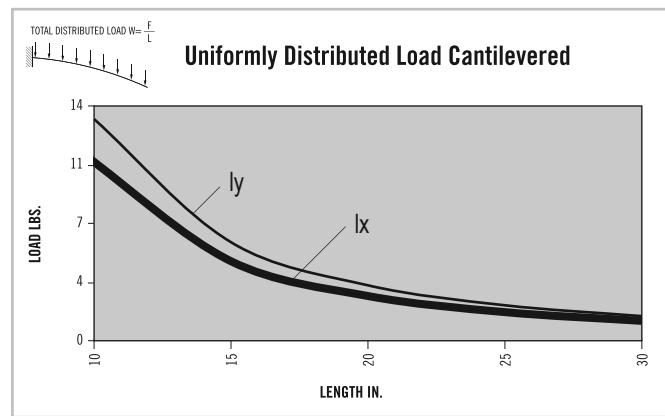
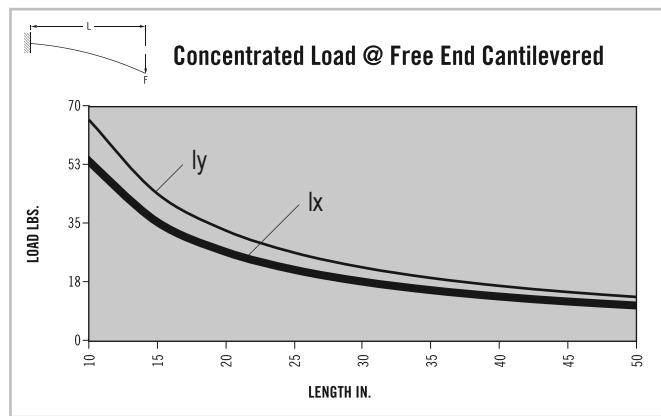
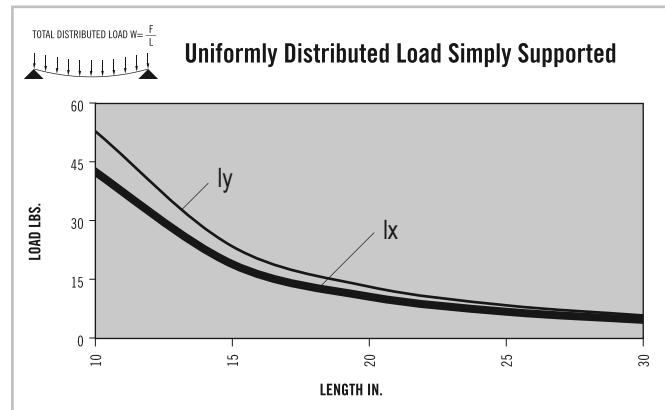
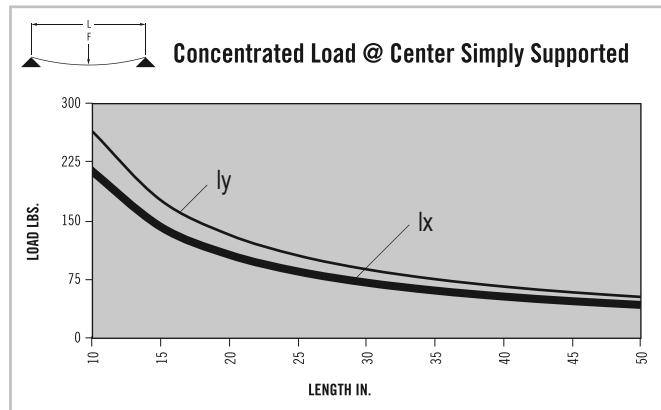
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	0.605 lbs/ft (0.900 kg/m)
Estimated Area.....	0.504 in ² (3.253 cm ²)
Moment of Inertia.....	I _x =0.046 in ⁴ (1.913 cm ⁴) I _y =0.057 in ⁴ (2.371 cm ⁴)

MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 - 20	660035
Tap M6	660036

BEAM SELECTION BY LOAD AND LENGTH



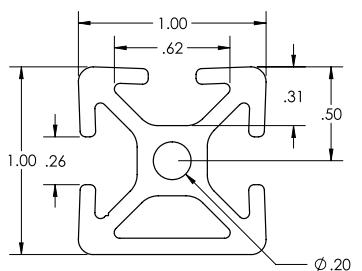
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

10 SERIES

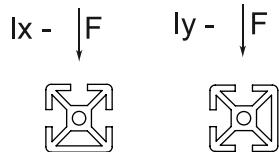
TS10-10 TRISLOT

Clear Anodized - 650063



SPECIFICATIONS

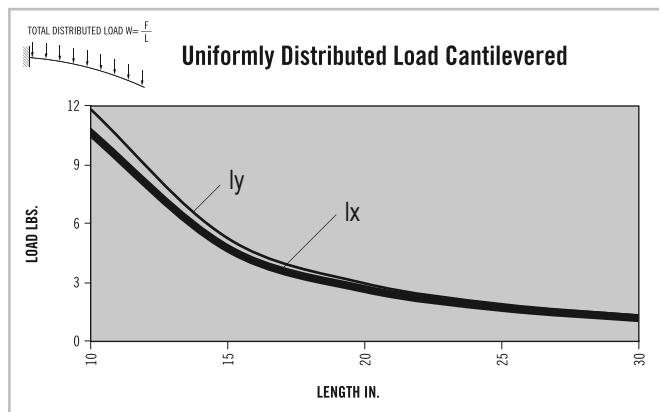
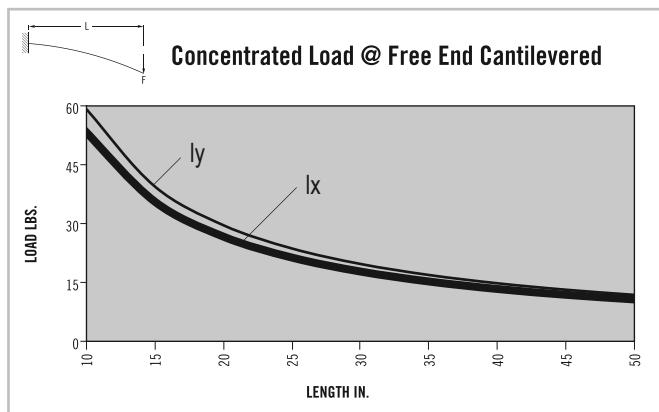
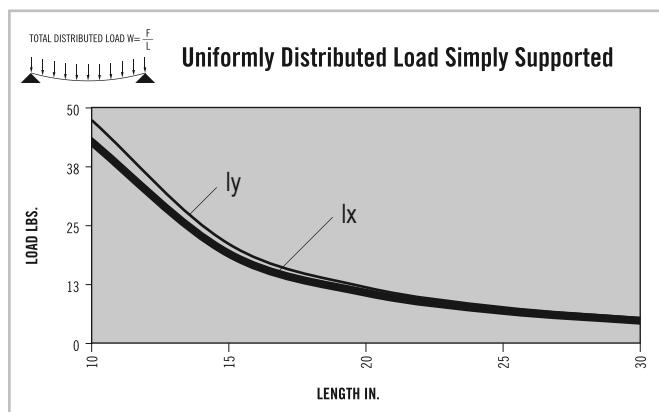
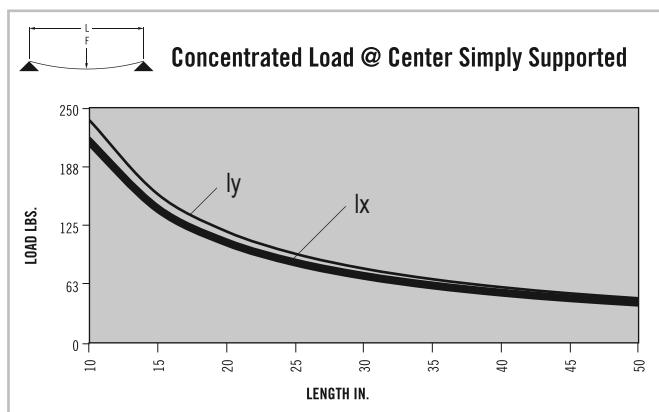
Length.....	240" (6 m)
Weight.....	0.563 lbs/ft (0.837 kg/m)
Estimated Area.....	0.477 in ² (3.080 cm ²)
Moment of Inertia.....	$I_x = 0.046 \text{ in}^4$ (1.902 cm ⁴) $I_y = 0.051 \text{ in}^4$ (2.112 cm ⁴)



MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660035
Tap M6	660036

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

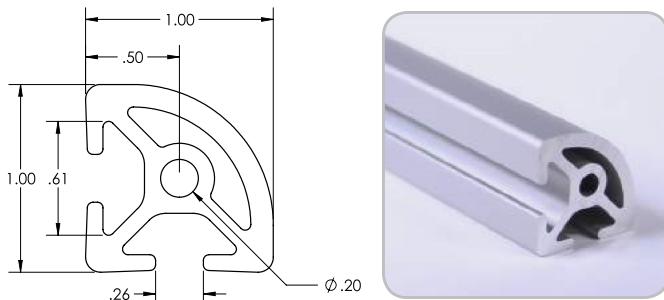
» For deflection equations see page 10

Fractional Extrusions

10 SERIES

TS10-10QR

Clear Anodized - 650040



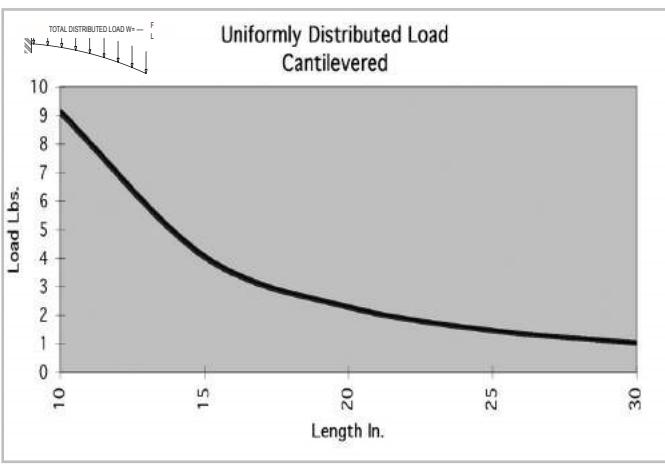
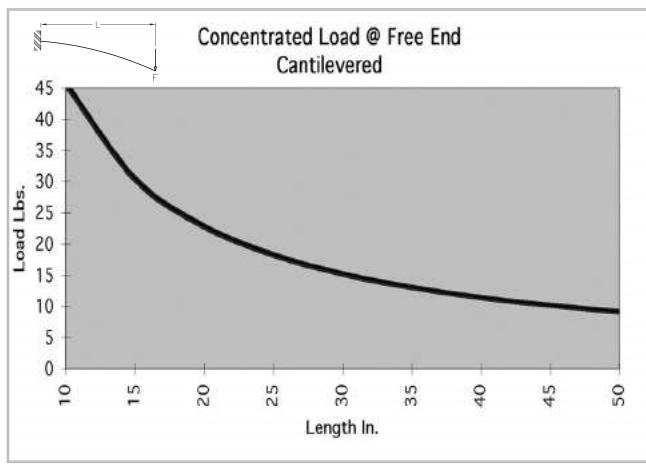
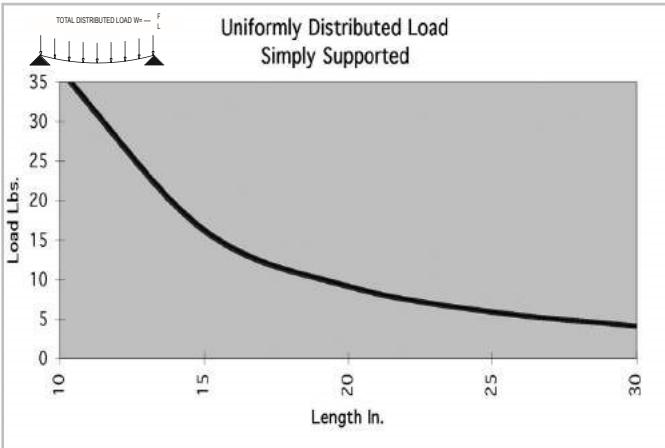
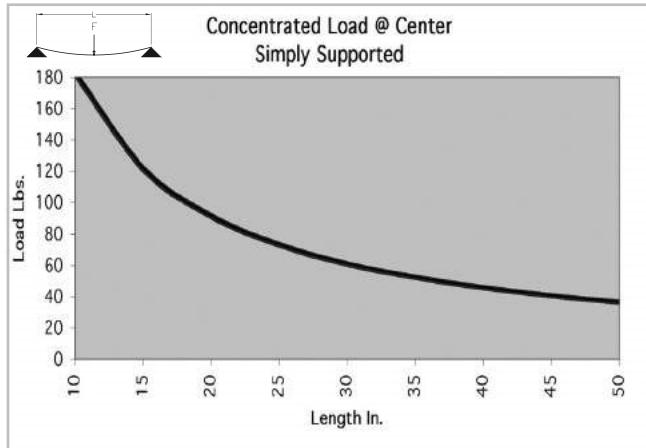
SPECIFICATIONS

Length	240" (6 m)
Weight	0.562 lbs/ft (.836 kg/m)
Estimated Area	0.4727 in ² (3.05 cm ²)
Moment of Inertia	$I_x = .0435 \text{ in}^4$ (1.81 cm ⁴) $I_y = .0435 \text{ in}^4$ (1.81 cm ⁴)

MACHINE SERVICES

CTL	660002
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660035
Tap M6	660026

BEAM SELECTION BY LOAD AND LENGTH



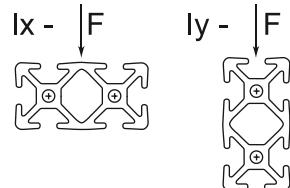
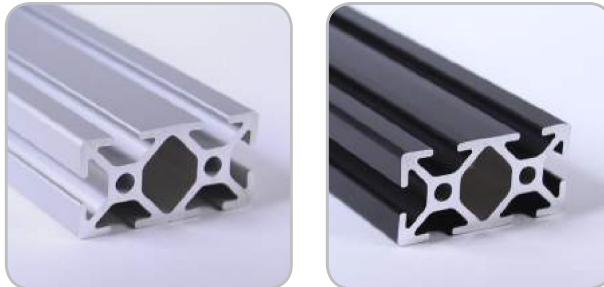
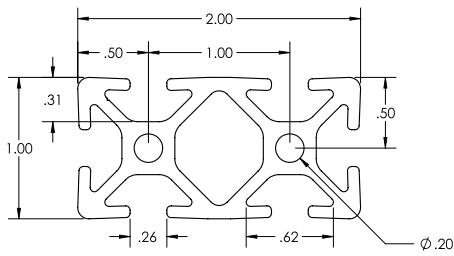
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

10 SERIES

TS10-20

Clear Anodized - 650002
Black Anodized - 650102



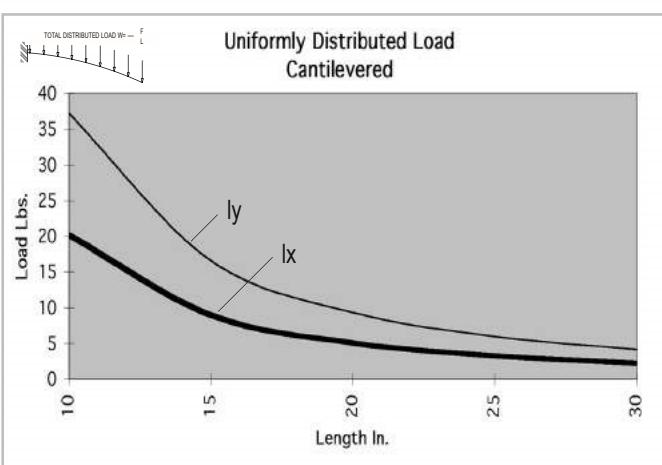
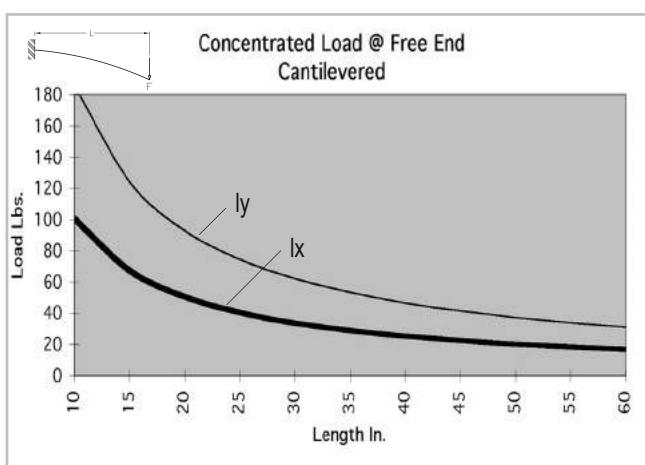
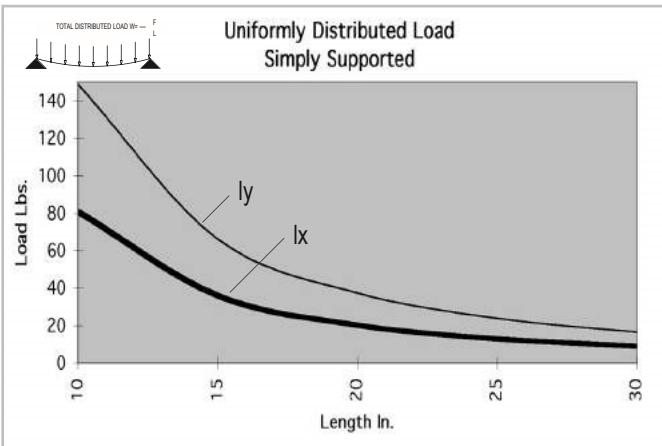
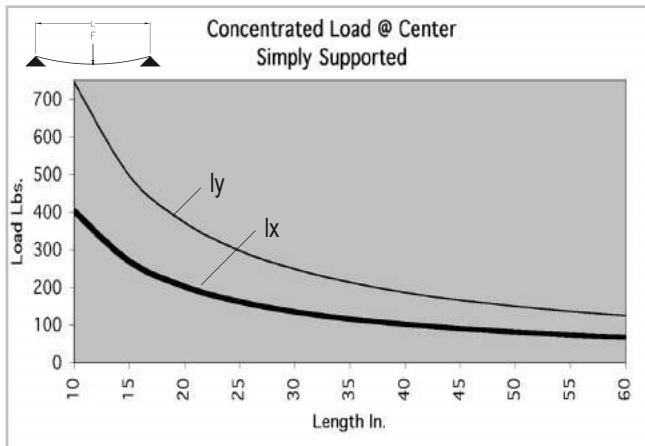
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	0.962 lbs/ft (1.431 kg/m)
Estimated Area.....	0.824 in ² (5.316 cm ²)
Moment of Inertia.....	$I_x = .087 \text{ in}^4$ (3.621 cm ⁴) $I_y = .321 \text{ in}^4$ (13.361 cm ⁴)

MACHINE SERVICES

CTL	660000
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 - 20	660025
Tap M6	660026

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

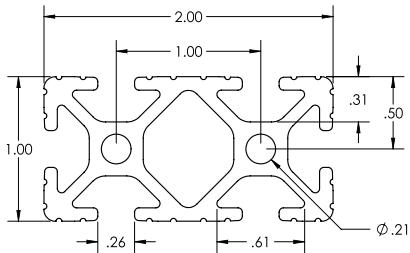
» For deflection equations see page 10

Fractional Extrusions

10 SERIES

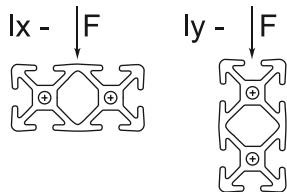
TS10-20 GR

Clear Anodized - 650071



SPECIFICATIONS

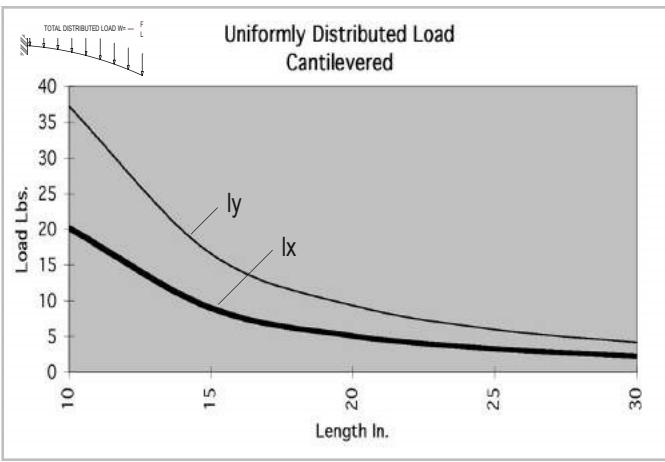
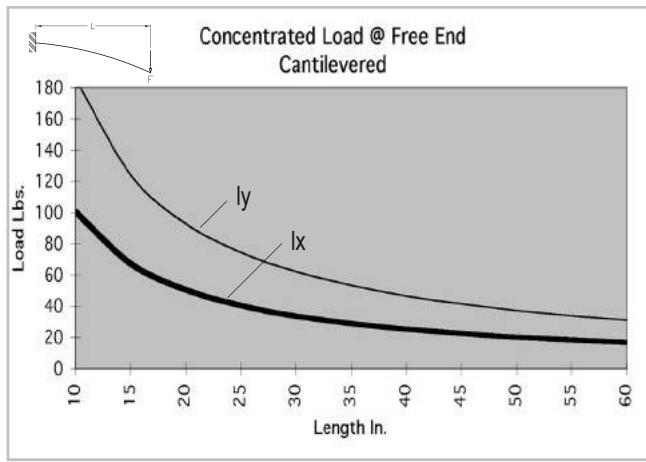
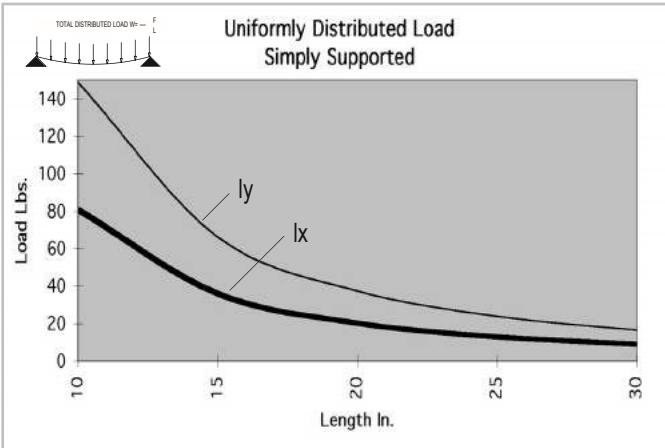
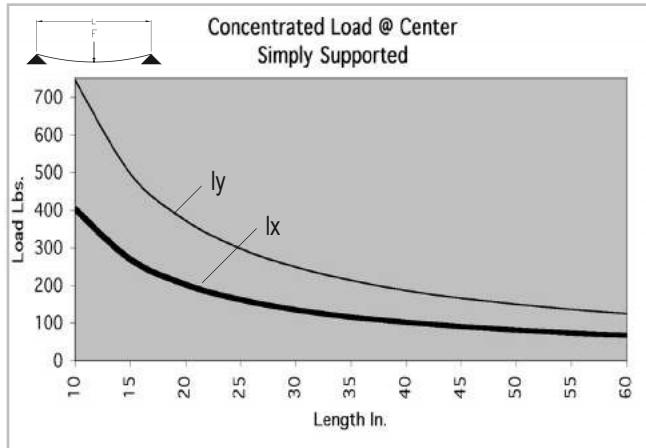
Length	240" (6 m)
Weight	0.970 lbs/ft (1.443 kg/m)
Estimated Area	0.824 in ² (5.316 cm ²)
Moment of Inertia	$I_x = .087 \text{ in}^4$ (3.621 cm ⁴) $I_y = .321 \text{ in}^4$ (13.361 cm ⁴)



MACHINE SERVICES

CTL	660000
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660025
Tap M6	660026

BEAM SELECTION BY LOAD AND LENGTH

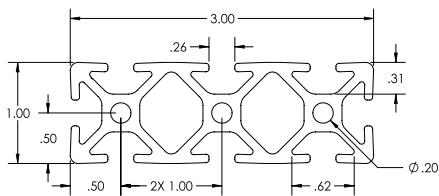


* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

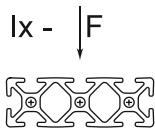
10 SERIES

TS10-30



Clear Anodized - 650001

Black Anodized - 650101



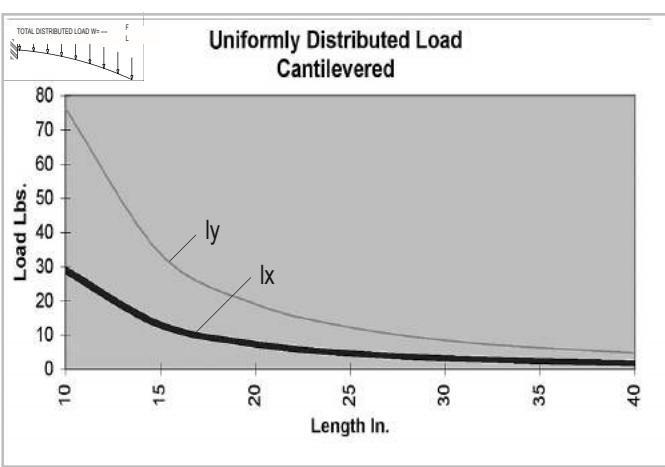
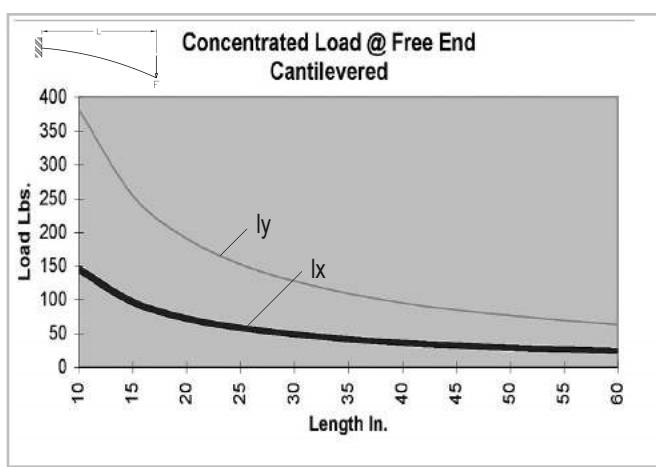
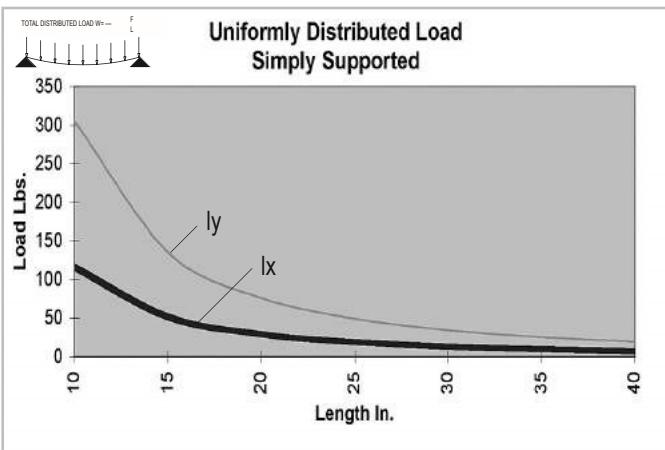
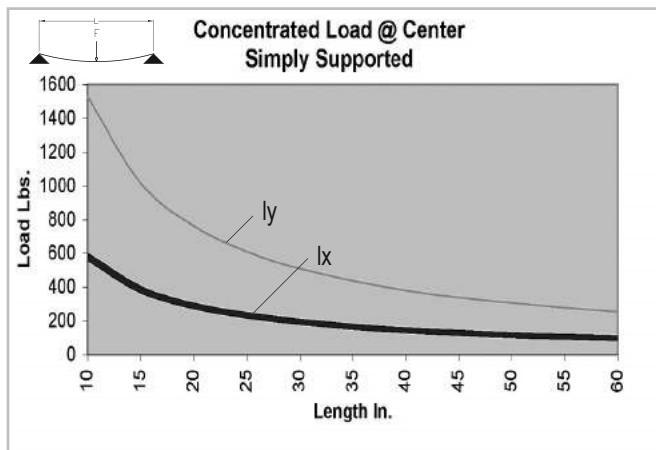
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.397 lbs/ft (2.079 kg/m)
Estimated Area.....	1.169 in ² (7.806 cm ²)
Moment of Inertia.....	$I_x = .125 \text{ in}^4$ (5.202 cm ⁴) $I_y = .986 \text{ in}^4$ (41.040 cm ⁴)

MACHINE SERVICES

CTL.....	660001
Single Access Hole.....	660029
Single Anchor Fastener.....	660022
Tap 1/4 -20.....	660016
Tap M6.....	660017

BEAM SELECTION BY LOAD AND LENGTH



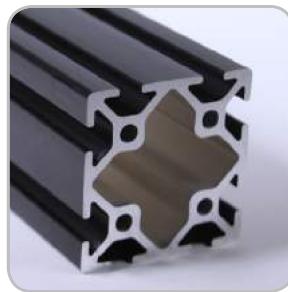
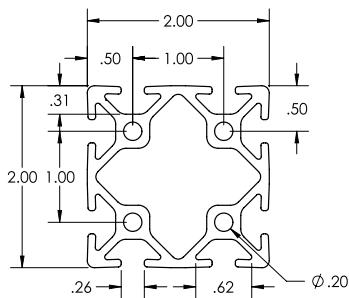
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

10 SERIES

TS20-20



Clear Anodized - 650003
Black Anodized - 650103

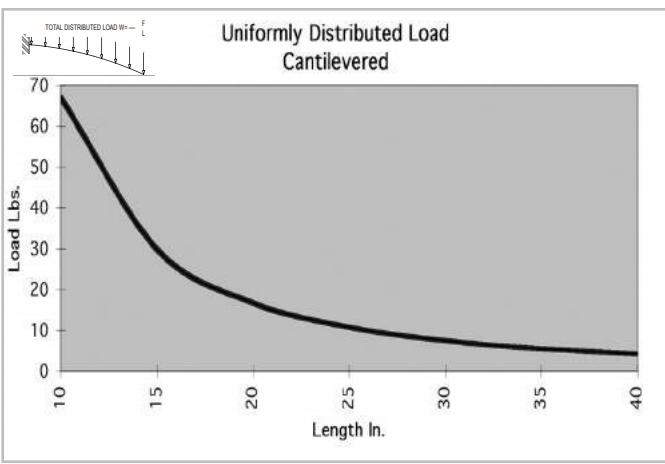
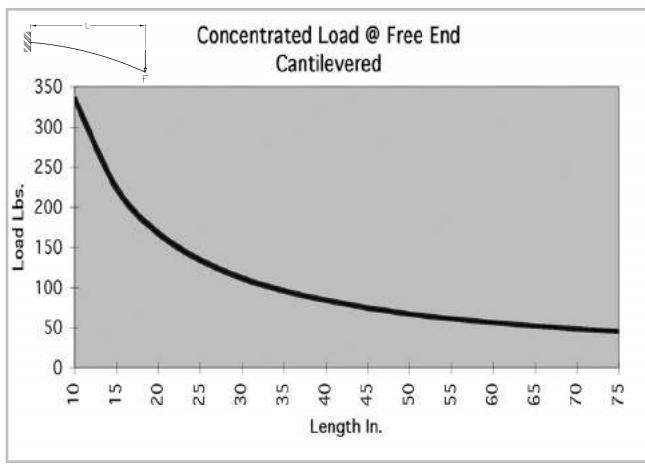
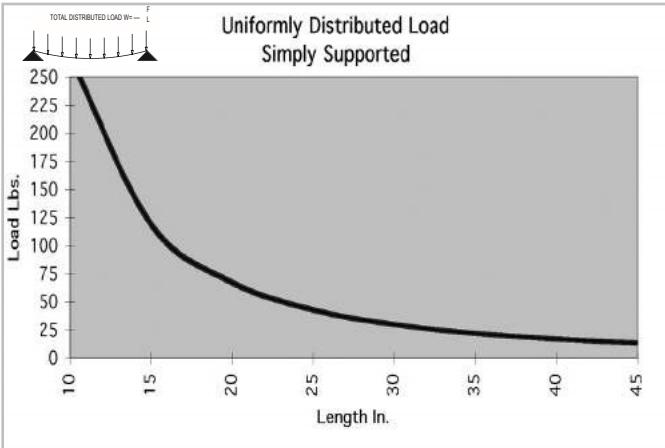
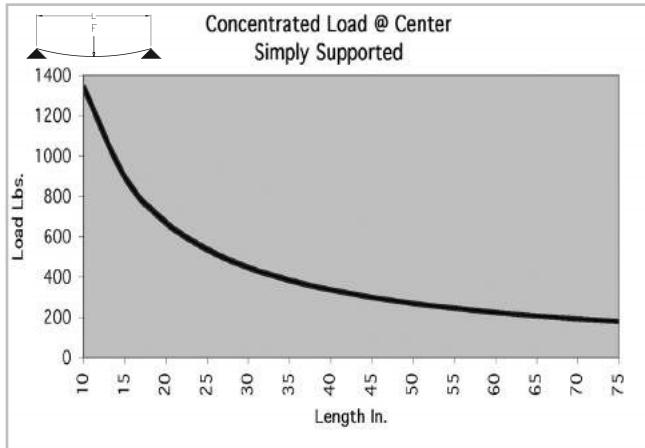
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.511 lbs/ft (2.249 kg/m)
Estimated Area.....	1.285 in ² (8.290 cm ²)
Moment of Inertia.....	I _x =.578 in ⁴ (24.058 cm ⁴) I _y =.578 in ⁴ (24.058 cm ⁴)

MACHINE SERVICES

CTL.....	660004
Single Access Hole.....	660029
Single Anchor Fastener.....	660022
Tap 1/4 - 20.....	660037
Tap M6.....	660040

BEAM SELECTION BY LOAD AND LENGTH



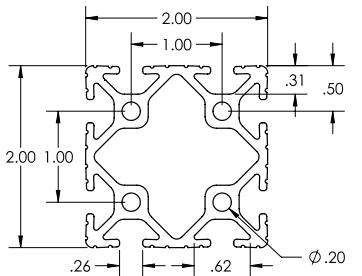
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

10 SERIES

TS20-20 GR

Clear Anodized - 650072



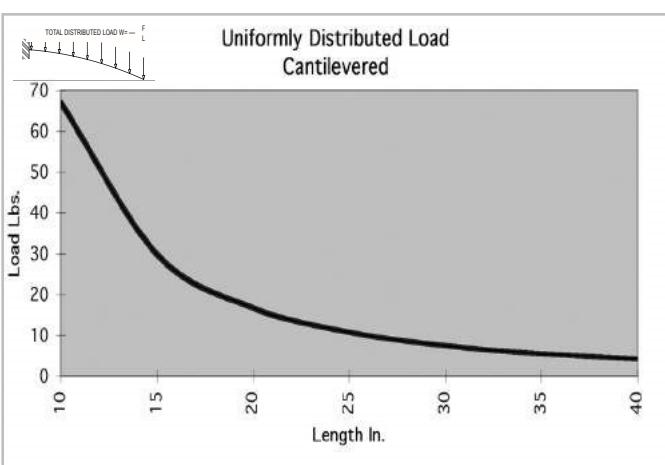
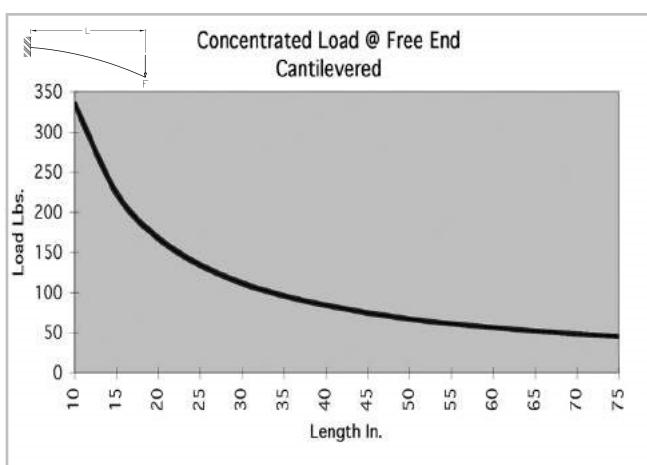
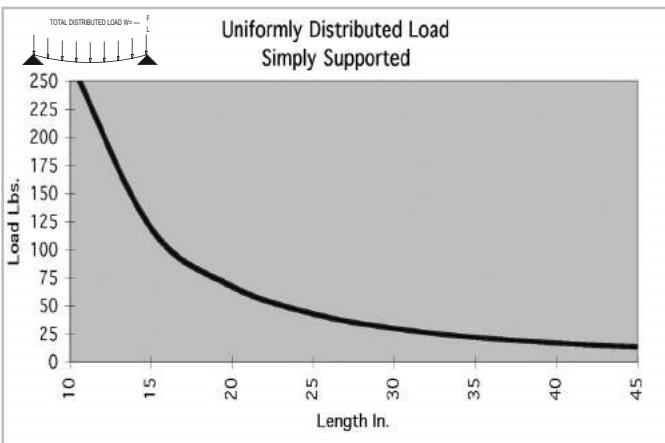
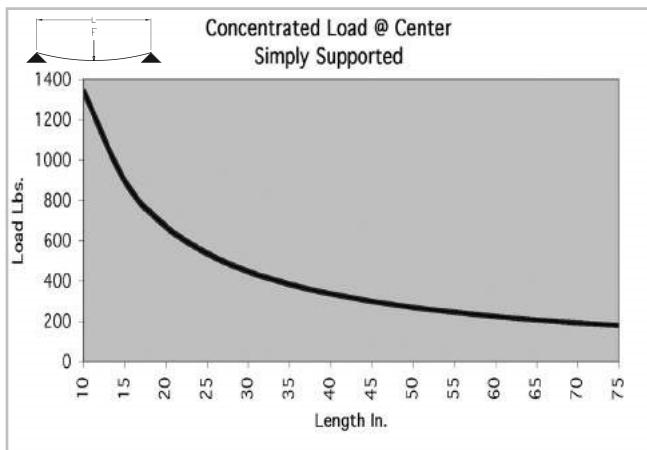
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.487 lbs/ft (2.213 kg/m)
Estimated Area.....	1.285 in ² (8.290 cm ²)
Moment of Inertia.....	I _x =.578 in ⁴ (24.058 cm ⁴) I _y =.578 in ⁴ (24.058 cm ⁴)

MACHINE SERVICES

CTL	660004
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 -20	660037
Tap M6	660040

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

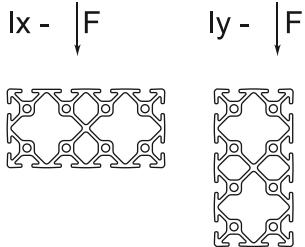
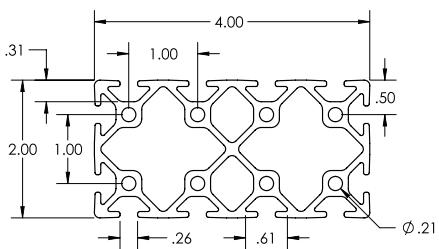
» For deflection equations see page 10

Fractional Extrusions

10 SERIES

TS20-40

Clear Anodized - 650004



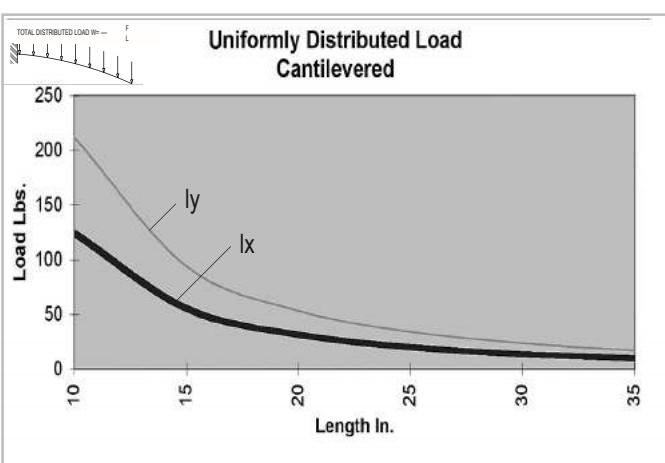
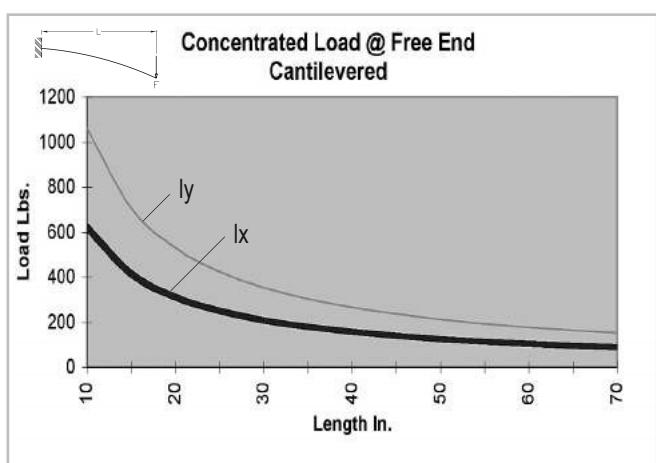
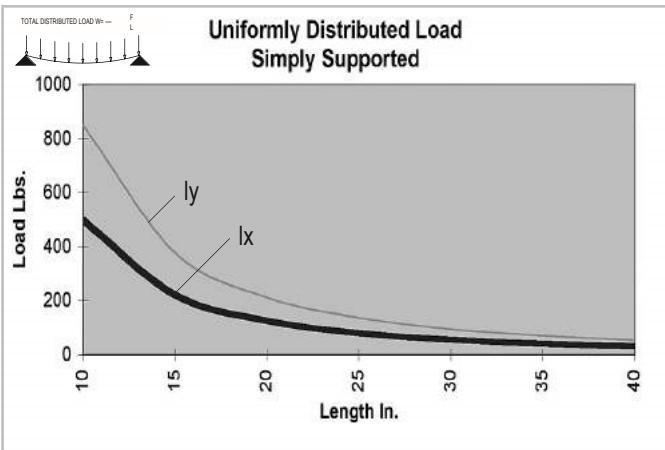
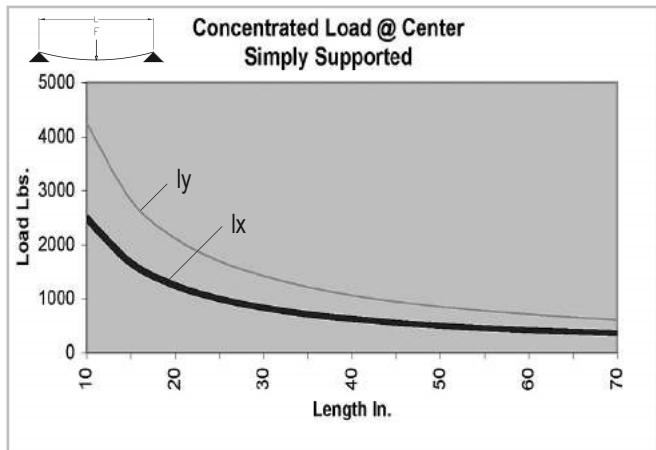
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	2.820 lbs/ft (4.195 kg/m)
Estimated Area.....	2.350 in ² (15.157 cm ²)
Moment of Inertia.....	I _x =1.075 in ⁴ (44.744 cm ⁴) I _y =3.656 in ⁴ (152.174 cm ⁴)

MACHINE SERVICES

CTL	660005
Single Access Hole	660029
Single Anchor Fastener	660022
Tap 1/4 - 20	660018
Tap M6	660019

BEAM SELECTION BY LOAD AND LENGTH



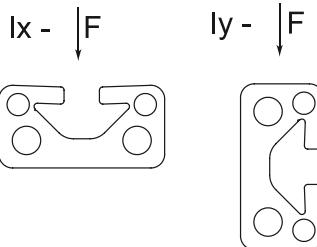
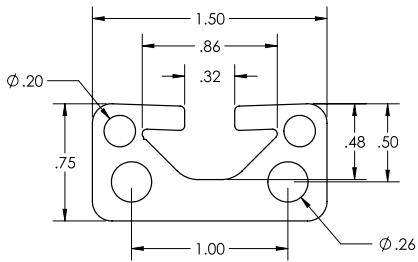
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS 15-75

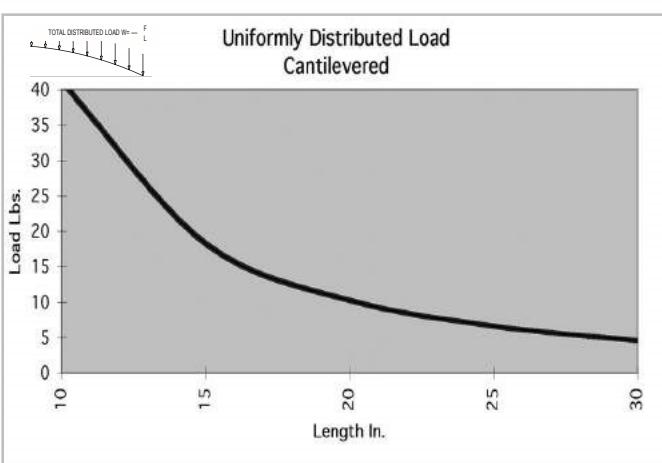
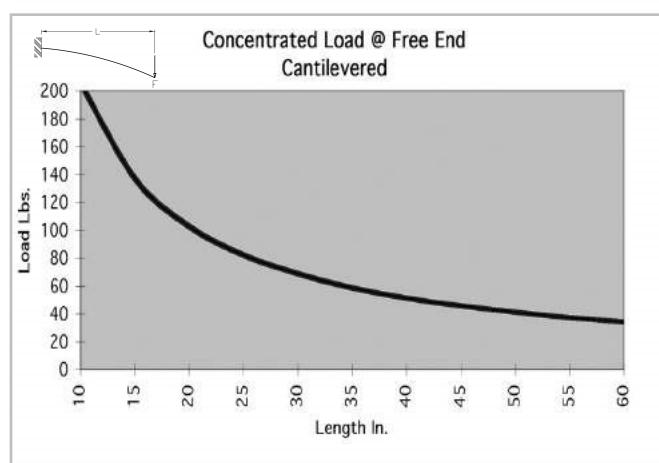
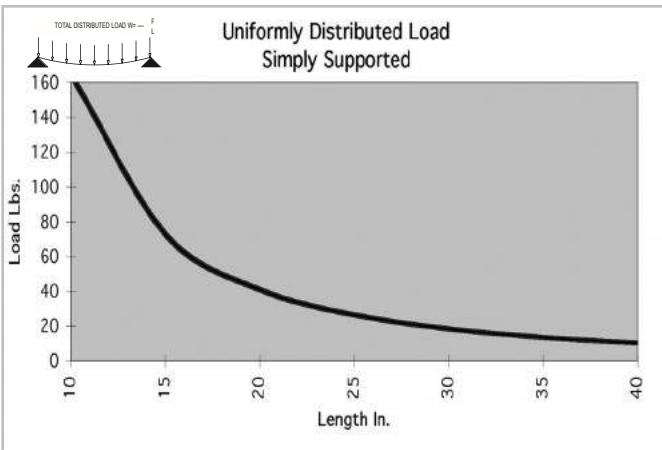
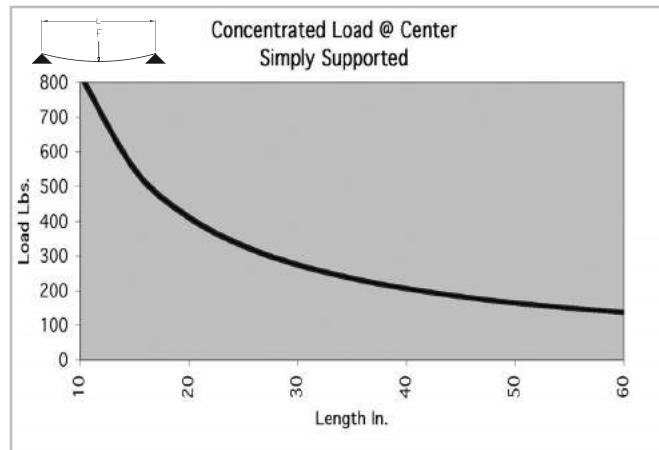
Clear Anodized - 650007



SPECIFICATIONS

Length.....	145" (3.6 m)
Weight.....	0.833 lbs/ft (1.238 kg/m)
Estimated Area.....	0.694 in ² (4.476 cm ²)
Moment of Inertia.....	I _x =.037 in ⁴ (1.522 cm ⁴) I _y =.147 in ⁴ (6.114 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



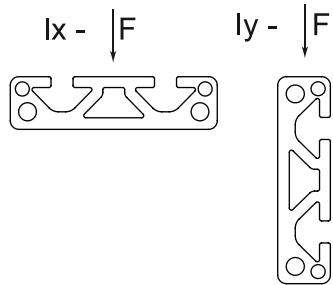
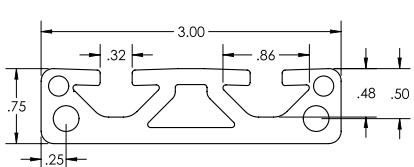
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

TS30-75

Clear Anodized - 650019



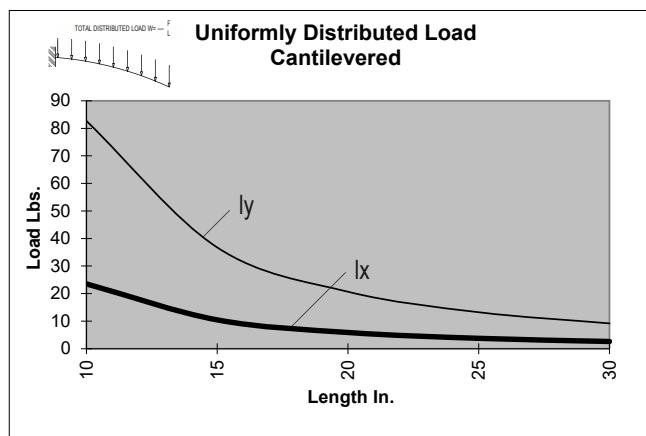
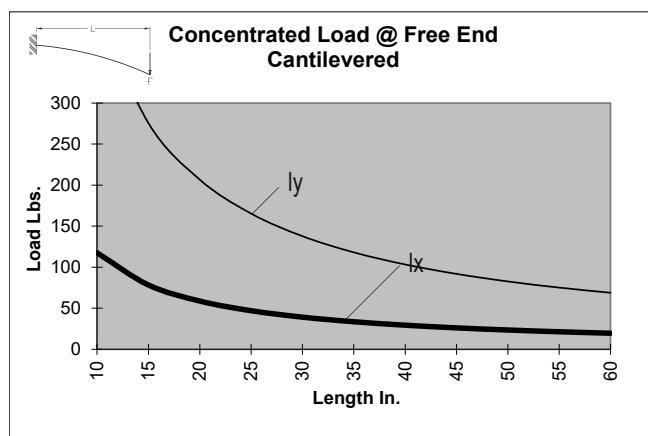
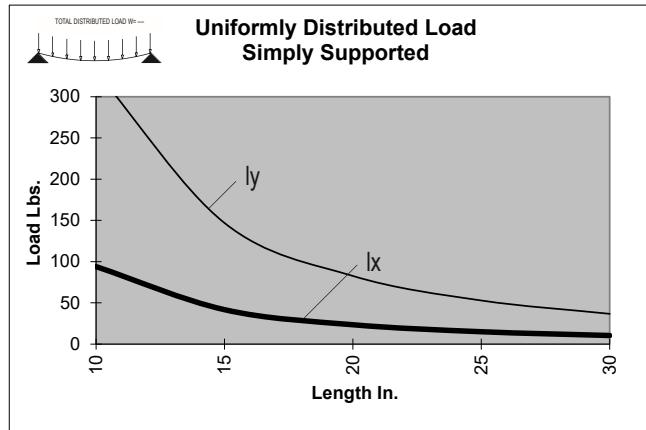
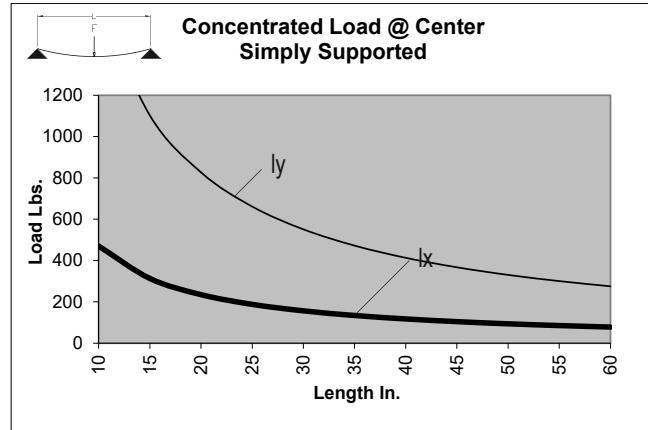
SPECIFICATIONS

Length.....	145" (3.6 m)
Weight.....	1.547 lbs/ft (2.303 kg/m)
Estimated Area.....	1.321 in ² (8.525 cm ²)
Moment of Inertia.....	I _x =.076 in ⁴ (3.175 cm ⁴) I _y =1.069 in ⁴ (44.515 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009



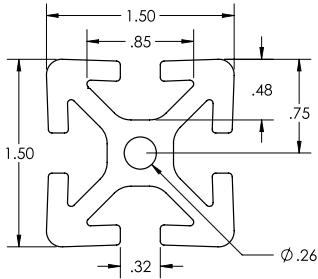
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15

Clear Anodized - 650005
Black Anodized - 650105



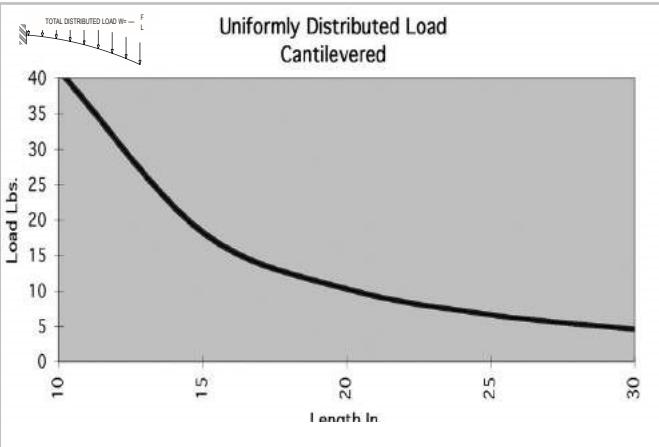
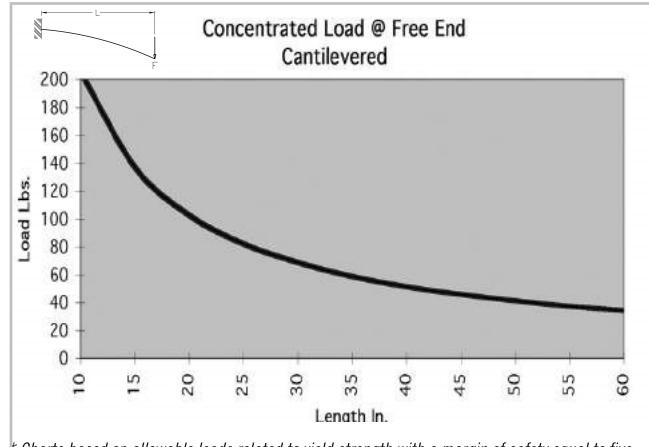
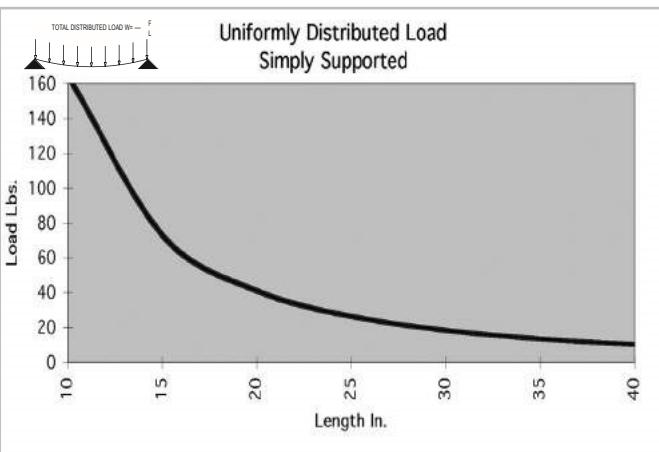
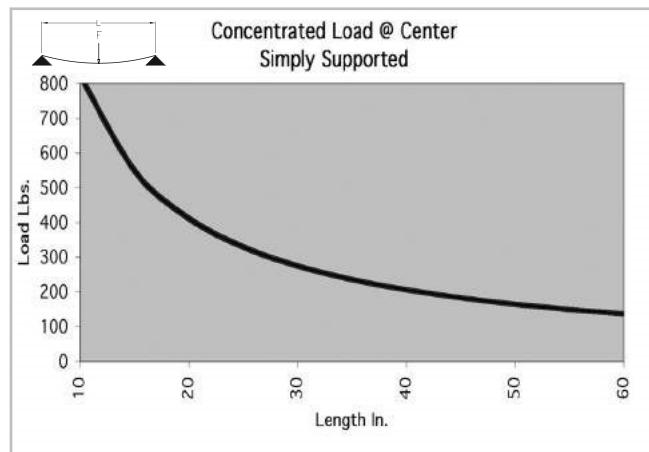
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.406 lbs/ft (2.092 kg/m)
Estimated Area.....	1.198 in ² (7.729 cm ²)
Moment of Inertia.....	I _x =.266 in ⁴ (11.072 cm ⁴) I _y =.266 in ⁴ (11.072 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH

MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

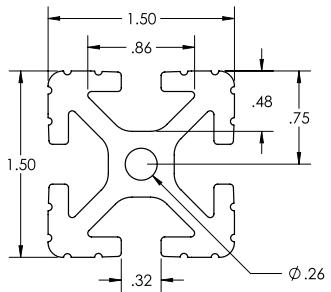
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-15 GR

Clear Anodized - 650080



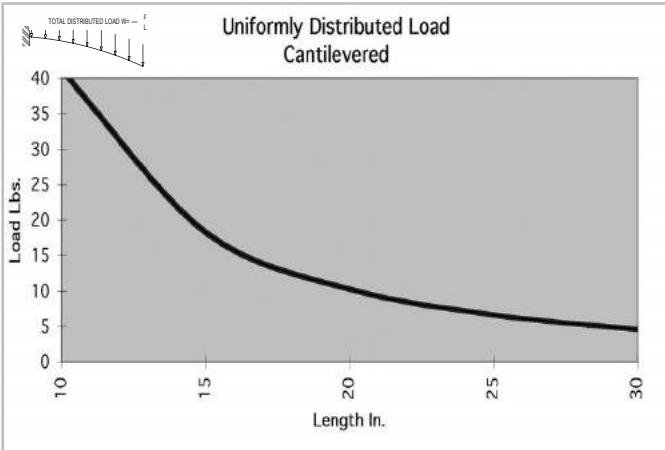
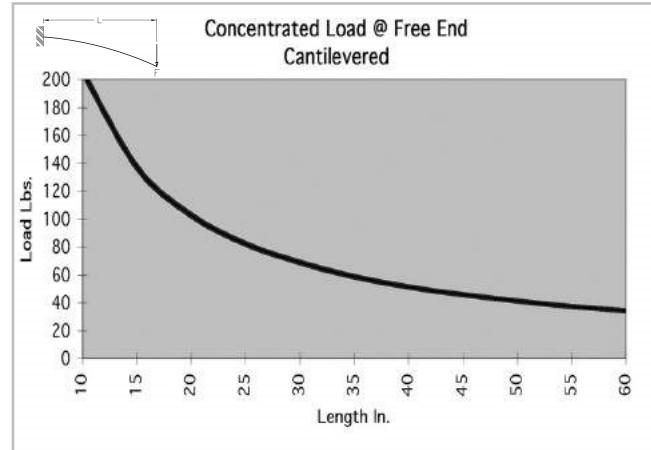
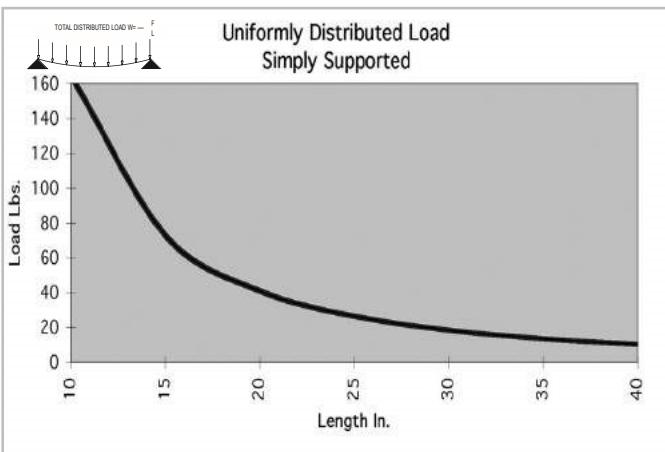
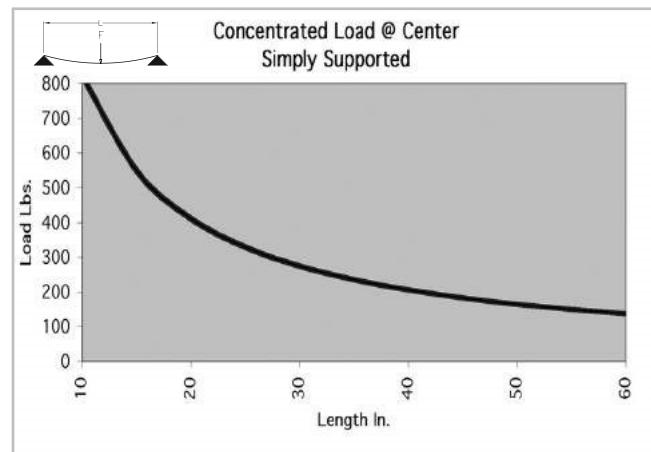
SPECIFICATIONS

Length	240" (6 m)
Weight	1.338 lbs/ft (1.991 kg/m)
Estimated Area	1.198 in ² (7.729 cm ²)
Moment of Inertia	$I_x = .266 \text{ in}^4$ (11.072 cm ⁴) $I_y = .266 \text{ in}^4$ (11.072 cm ⁴)

MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009

BEAM SELECTION BY LOAD AND LENGTH



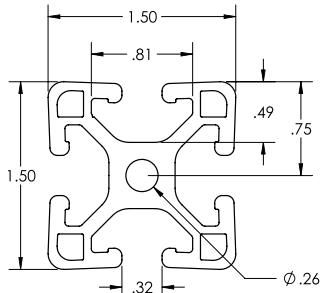
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15L

Clear Anodized - 650006
Black Anodized - 650106



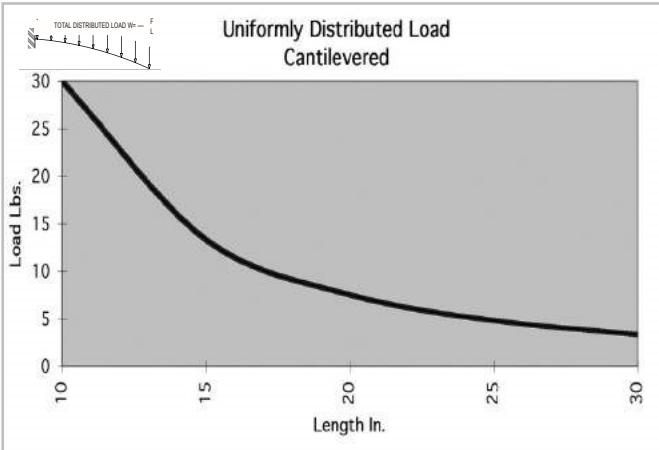
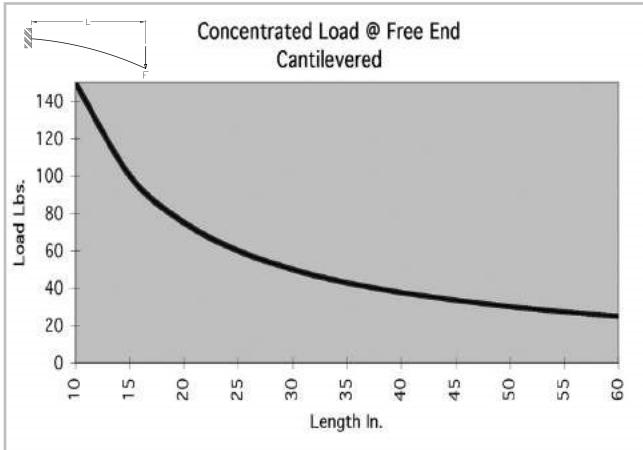
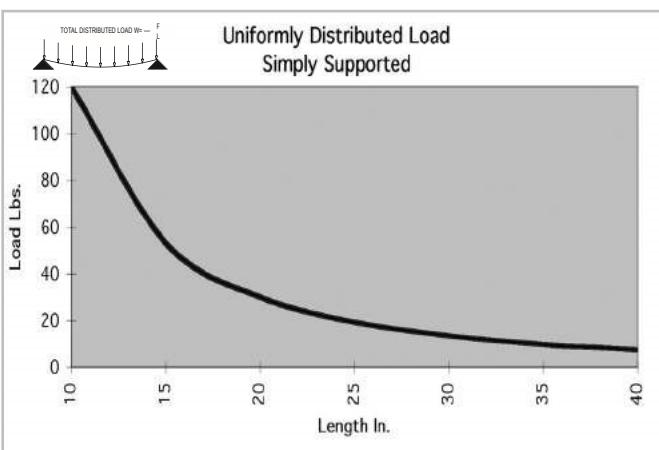
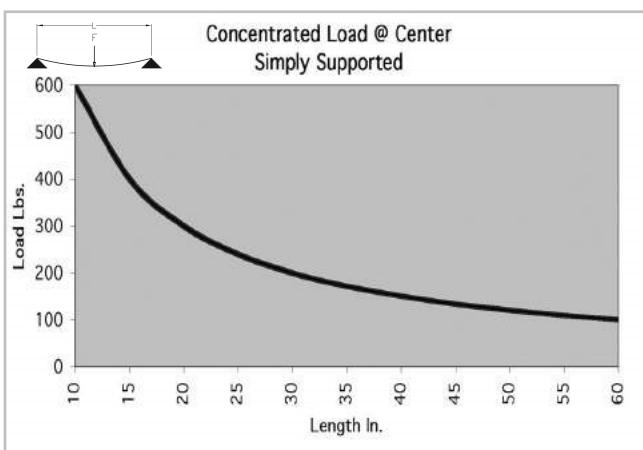
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.093 lbs/ft (1.627 kg/m)
Estimated Area.....	0.925 in ² (5.968 cm ²)
Moment of Inertia.....	$I_x = .194 \text{ in}^4$ (8.075 cm ⁴) $I_y = .194 \text{ in}^4$ (8.075 cm ⁴)

MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009

BEAM SELECTION BY LOAD AND LENGTH



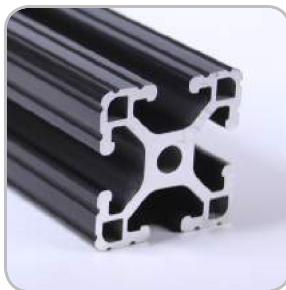
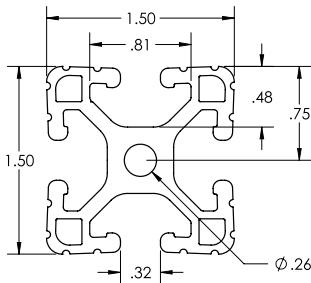
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-15L GR



Clear Anodized - 650048

Black Anodized - 650148

Yellow Powder Coat - 650248

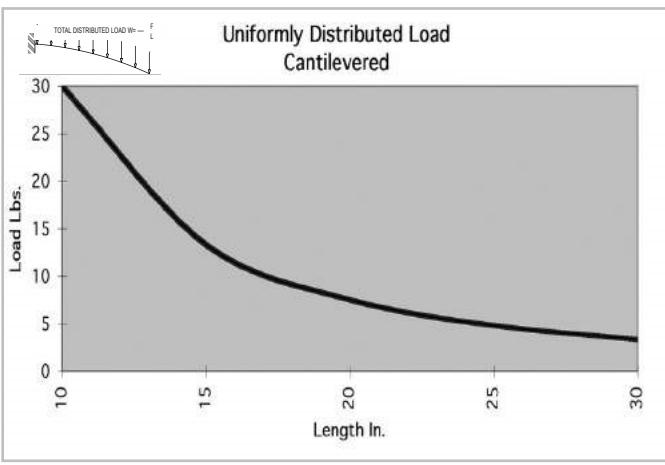
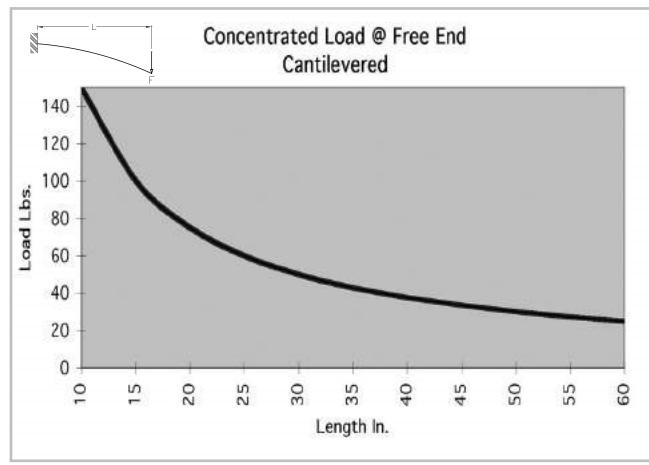
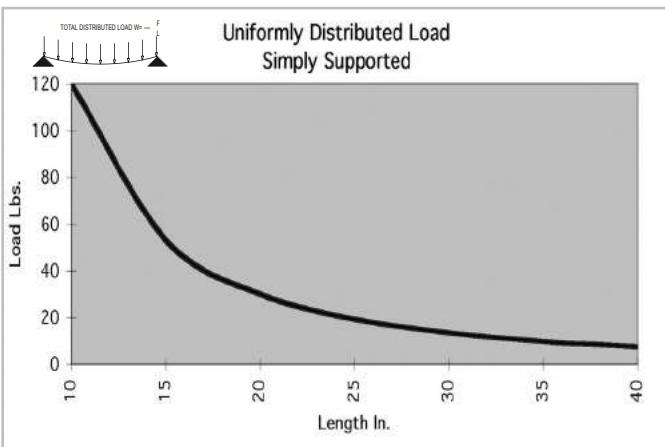
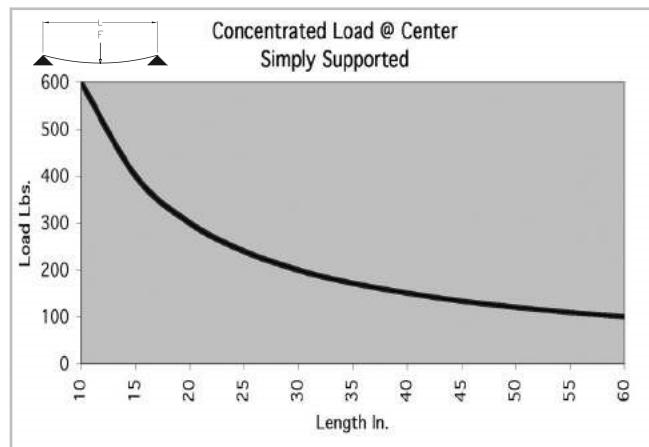
SPECIFICATIONS

Length Clear	240" (6 m)
Length Black	240" (6 m)
Length Yellow	144" (3.6 m)
Weight	1.066 lbs/ft (1.066 kg/m)
Estimated Area	0.925 in ² (5.968 cm ²)
Moment of Inertia	I _x =.194 in ⁴ (8.075 cm ⁴) I _y =.194 in ⁴ (8.075 cm ⁴)

MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033
Tap 3/8 - 16	660009

BEAM SELECTION BY LOAD AND LENGTH



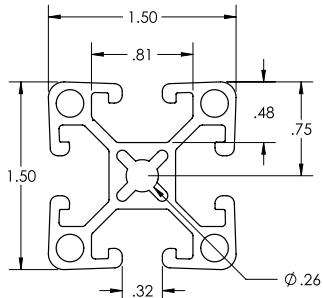
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15VL

Clear Anodized - 650018



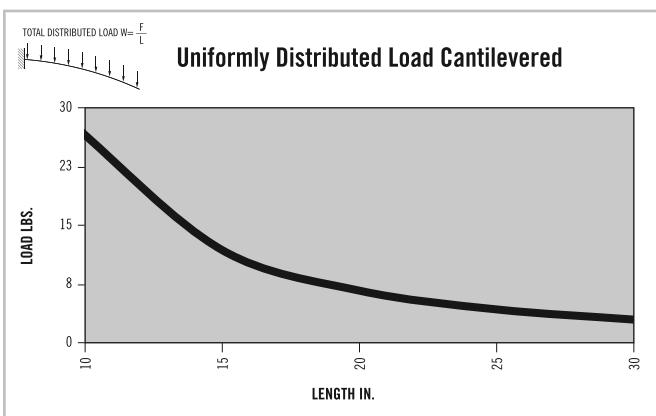
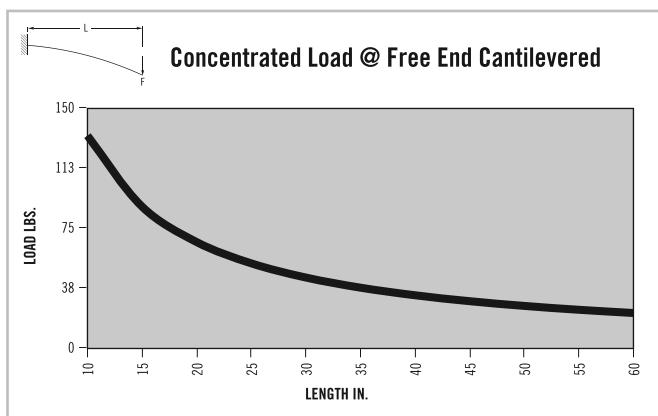
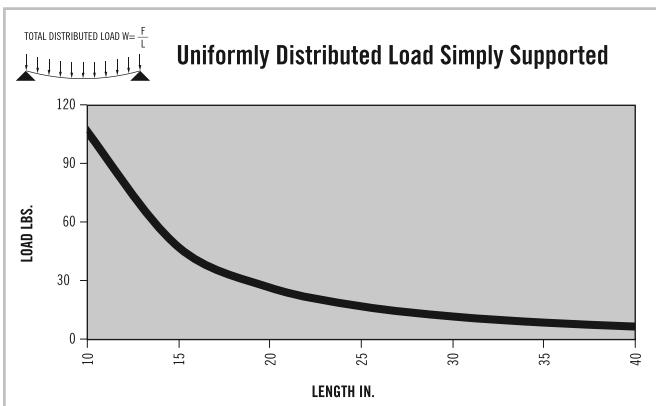
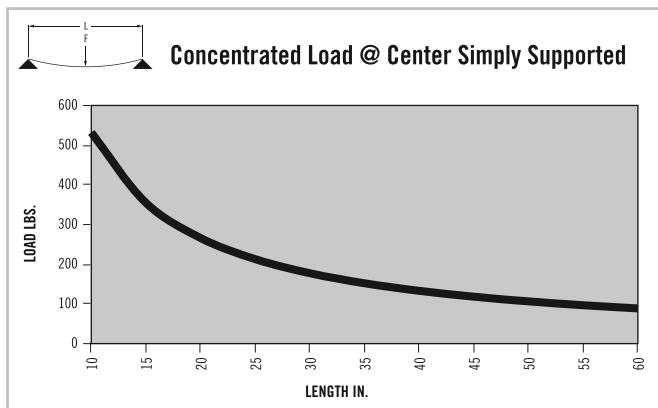
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	0.932 lbs/ft (1.387 kg/m)
Estimated Area.....	0.771 in ² (4.972 cm ²)
Moment of Inertia.....	$I_x = 0.172 \text{ in}^4$ (7.159 cm ⁴) $I_y = 0.172 \text{ in}^4$ (7.159 cm ⁴)

MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

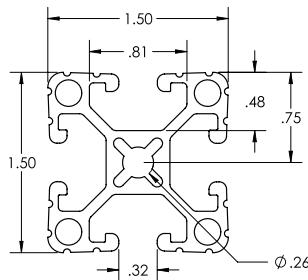
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-15VL GR

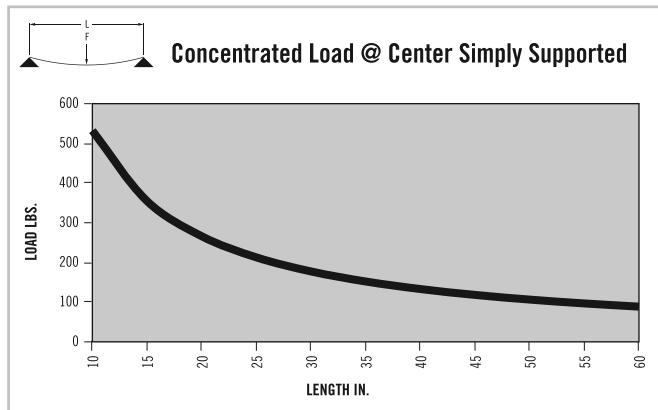
Clear Anodized - 650081



SPECIFICATIONS

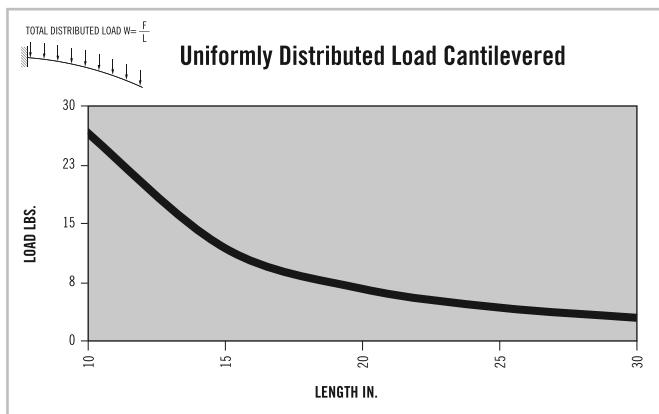
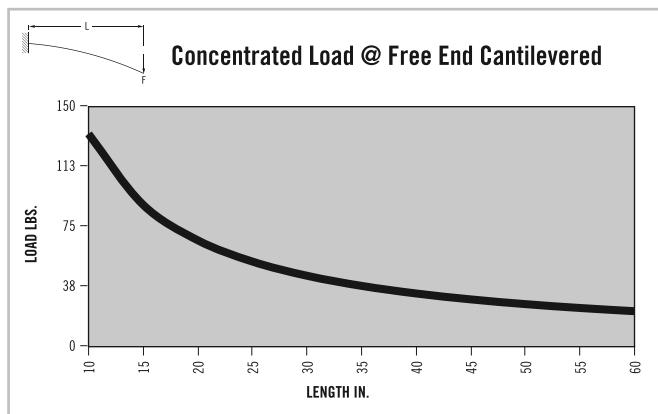
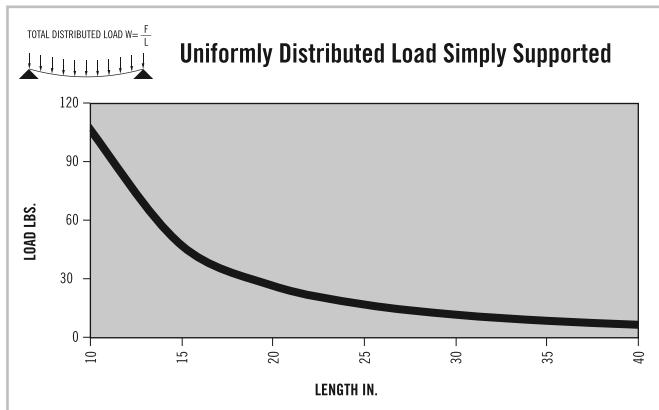
Length	240" (6 m)
Weight	0.898 lbs/ft (1.336 kg/m)
Estimated Area	0.771 in ² (4.972 cm ²)
Moment of Inertia	$I_x = 0.172 \text{ in}^4$ (7.159 cm ⁴) $I_y = 0.172 \text{ in}^4$ (7.159 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033
Tap 3/8 - 16	660009



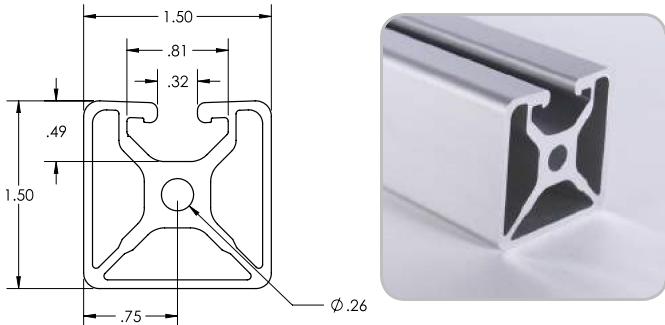
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15 MONOSLOT

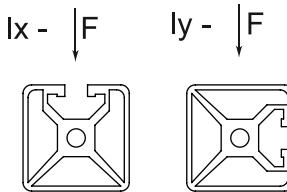
Clear Anodized - 650014



SPECIFICATIONS

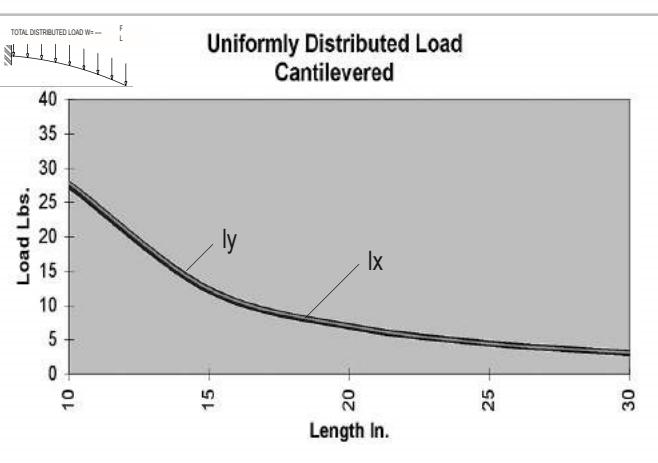
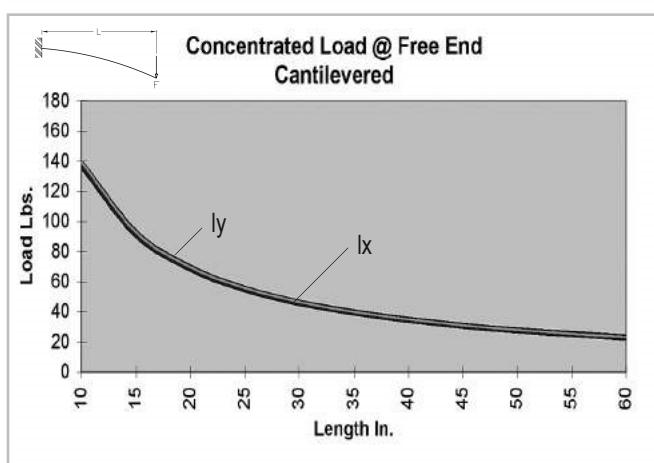
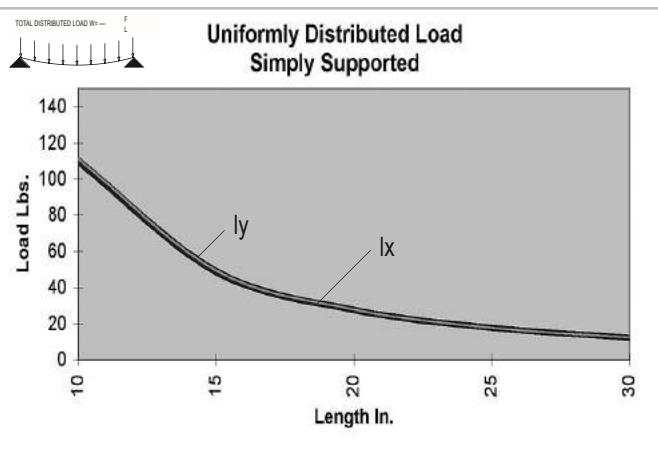
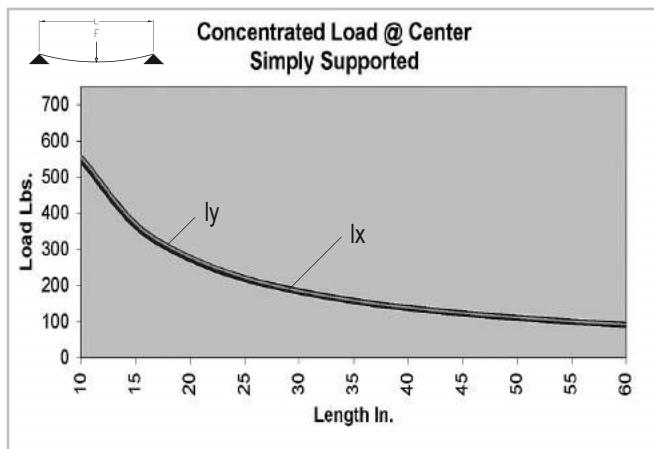
Length.....	240" (6 m)
Weight.....	1.014 lbs/ft (1.510 kg/m)
Estimated Area.....	0.846 in ² (5.456 cm ²)
Moment of Inertia.....	$I_x = .178 \text{ in}^4$ (7.408 cm ⁴) $I_y = .180 \text{ in}^4$ (7.492 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033
Tap 3/8 - 16	660009



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

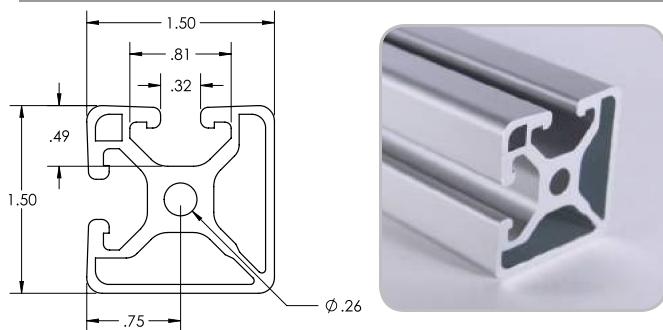
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-15 BISLOT AD

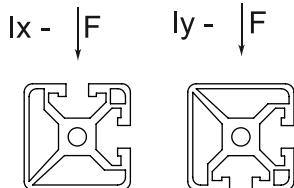
Clear Anodized - 650015



SPECIFICATIONS

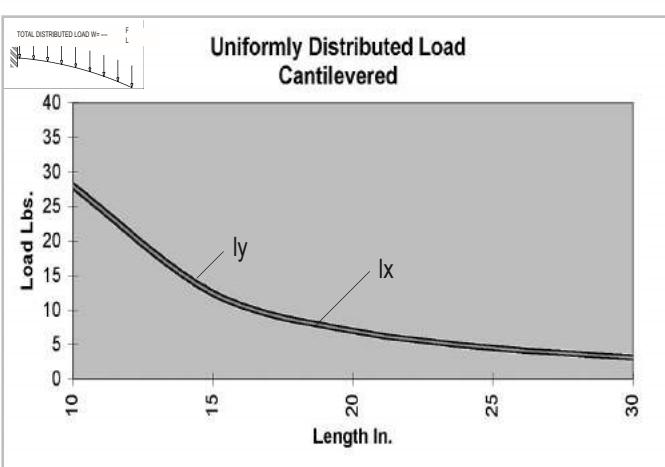
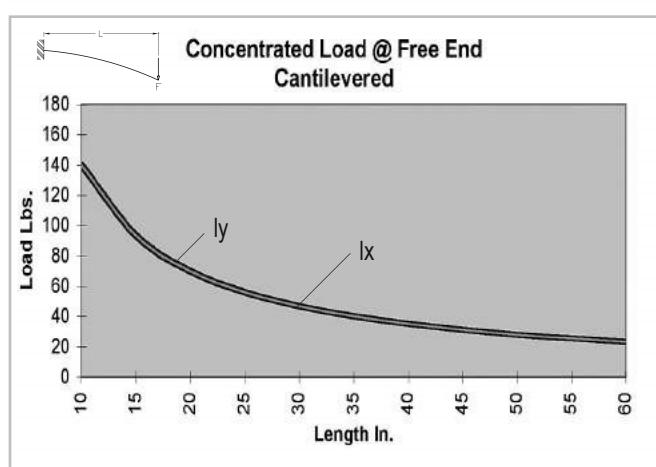
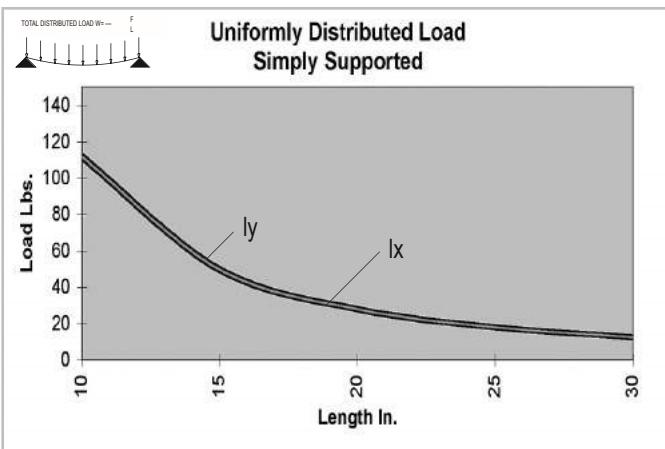
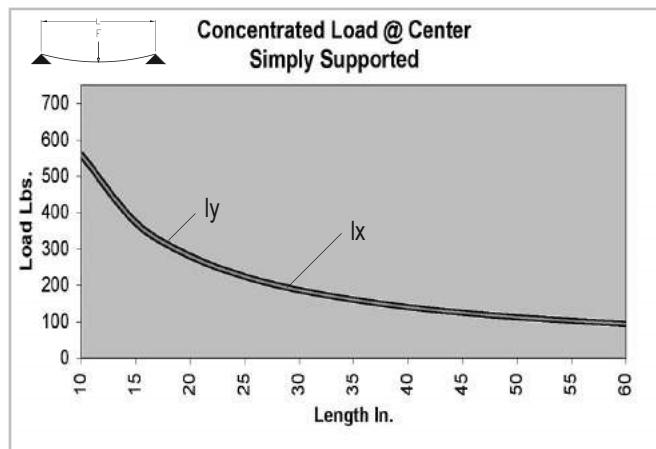
Length	240" (6 m)
Weight	1.036 lbs/ft (1.541 kg/m)
Estimated Area	0.863 in ² (5.566 cm ²)
Moment of Inertia	$I_x = .181 \text{ in}^4$ (7.533 cm ⁴) $I_y = .181 \text{ in}^4$ (7.533 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033
Tap 3/8 - 16	660009



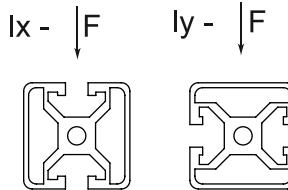
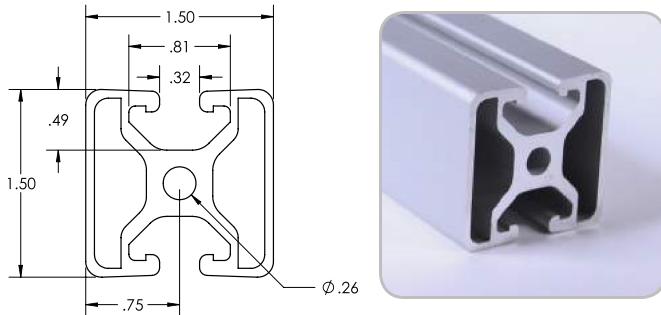
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15 BISLOT OPP

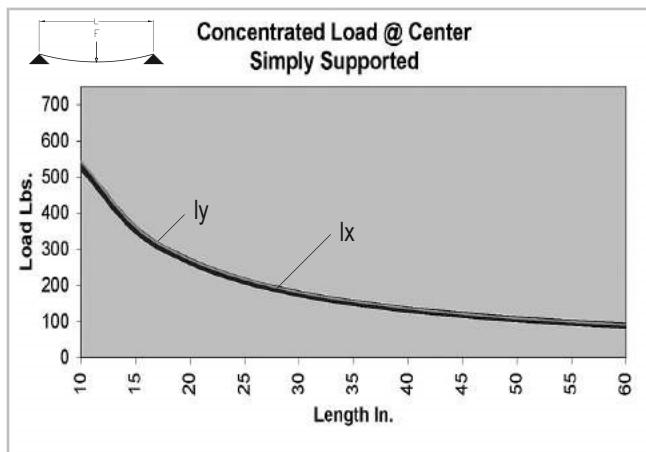
Clear Anodized - 650016



SPECIFICATIONS

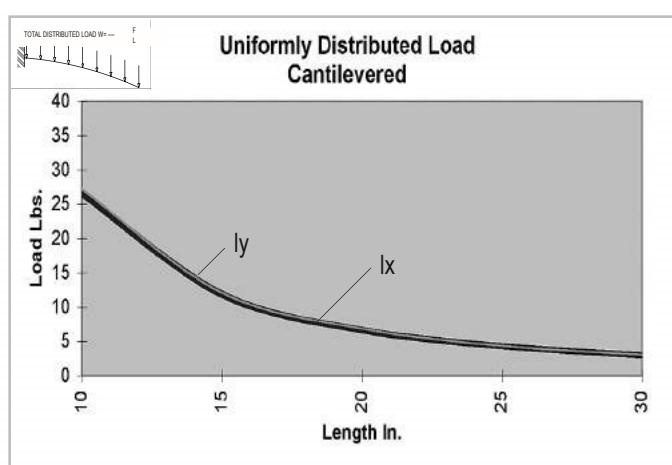
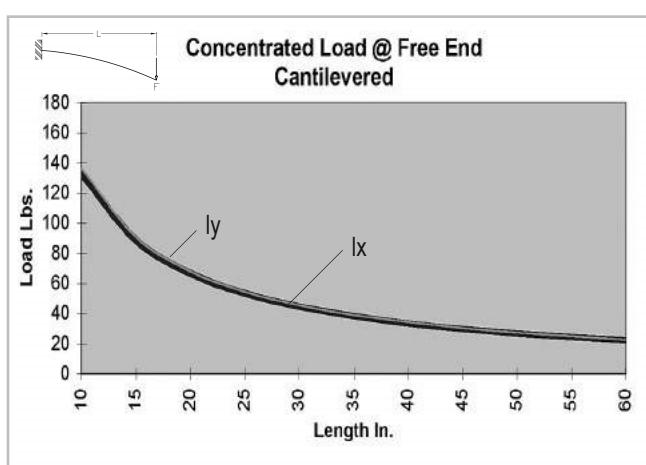
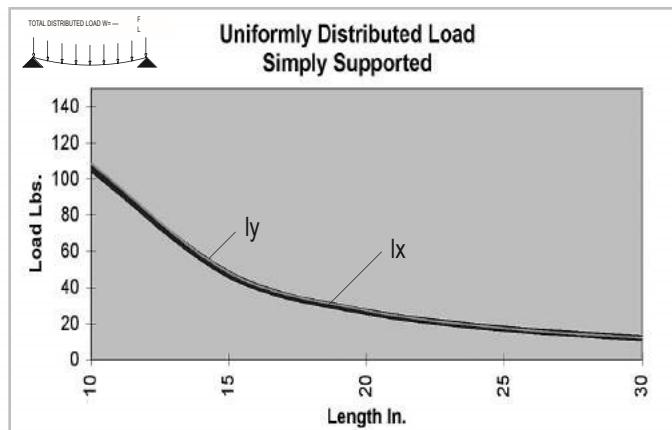
Length	240" (6 m)
Weight	1.008 lbs/ft (1.499 kg/m)
Estimated Area	0.840 in ² (5.418 cm ²)
Moment of Inertia	I _x =.172 in ⁴ (7.159 cm ⁴) I _y =.176 in ⁴ (7.325 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660034
Tap M8	660033
Tap 3/8 - 16	660009



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

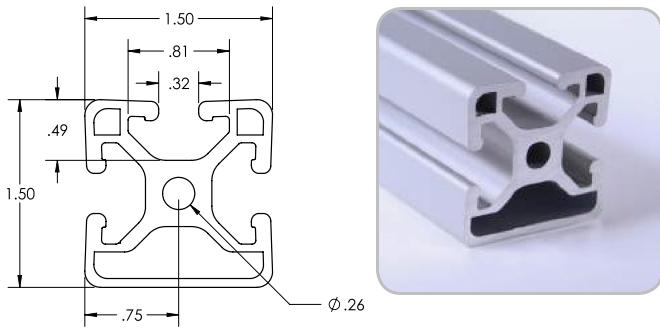
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-15 TRISLOT

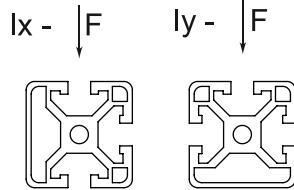
Clear Anodized - 650017



SPECIFICATIONS

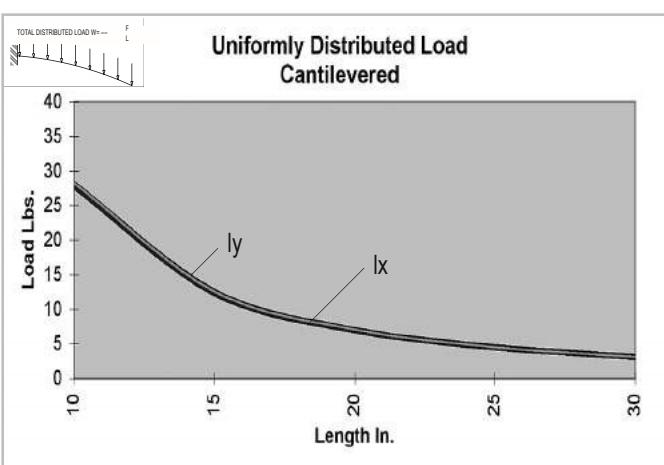
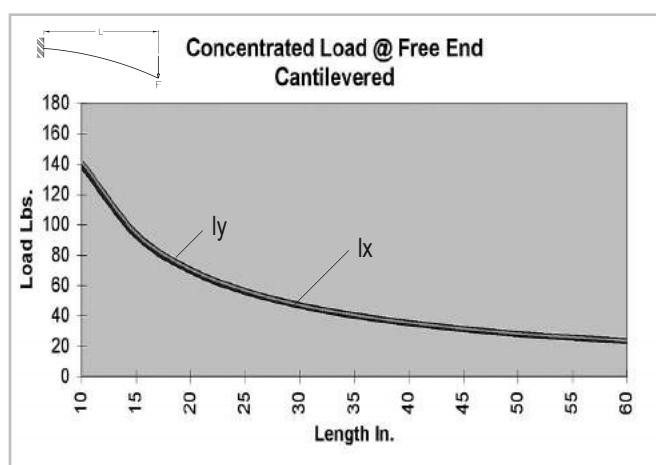
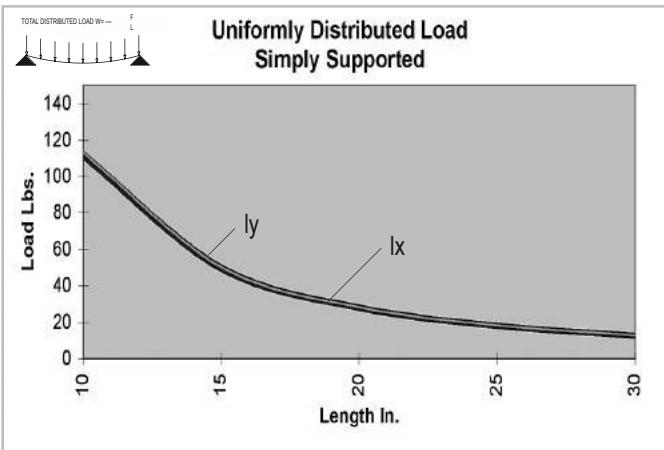
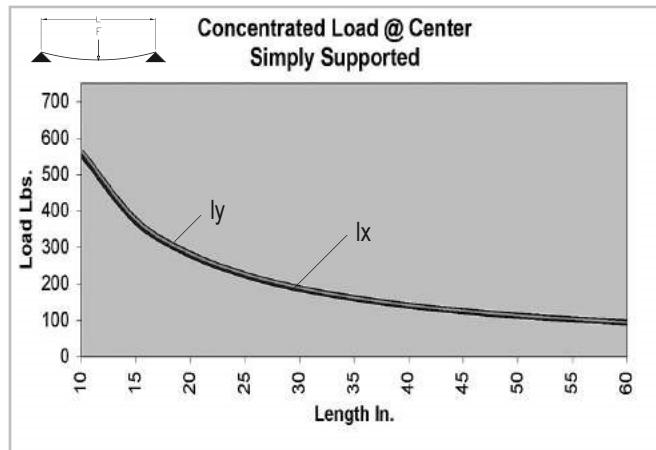
Length	240" (6 m)
Weight	1.050 lbs/ft (1.563 kg/m)
Estimated Area	0.878 in ² (5.663 cm ²)
Moment of Inertia	I _x =.181 in ⁴ (7.533 cm ⁴) I _y =.183 in ⁴ (7.617 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033
Tap 3/8 - 16	660009



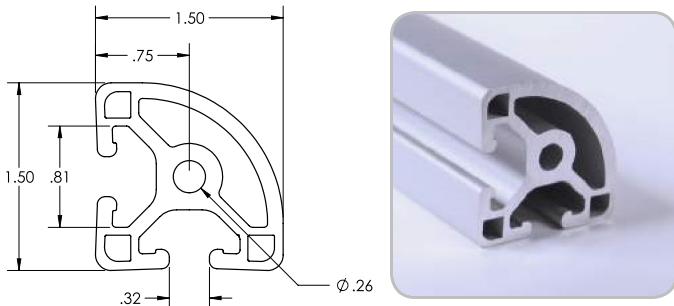
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-15QR

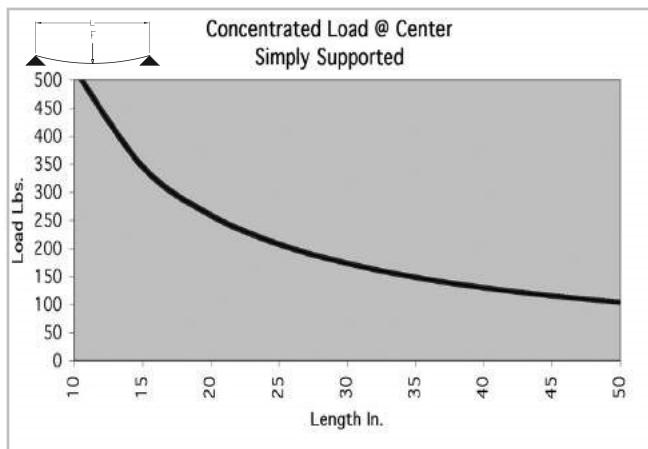
Item Number: 650041



SPECIFICATIONS

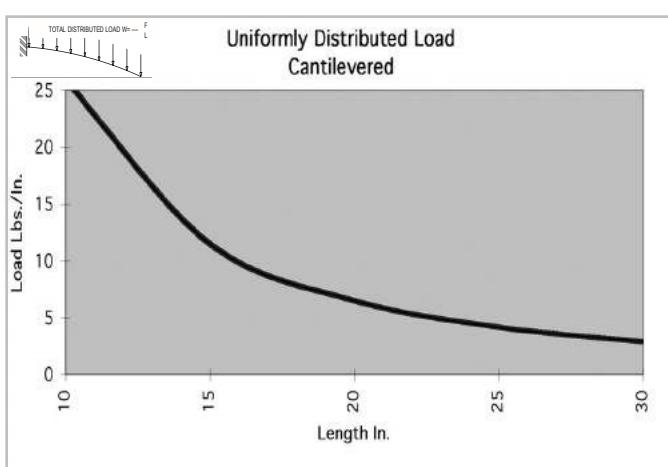
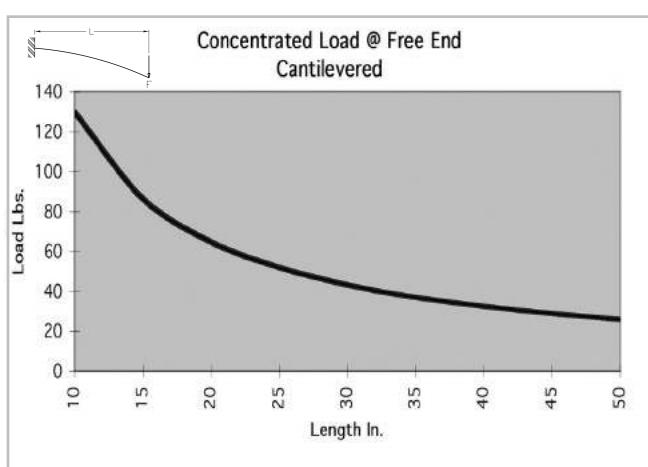
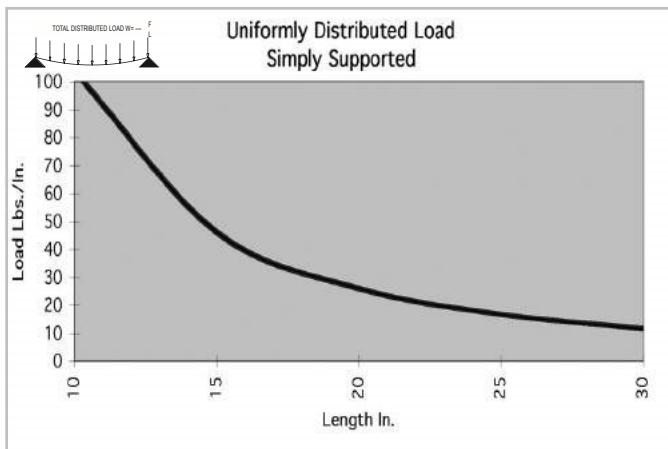
Length	.....	.240" (6 m)
Weight	.....	1.045 lbs/ft (1.56 kg/m)
Estimated Area	.....	0.879 in ² (5.67 cm ²)
Moment of Inertia	.....	I _x =.172 in ⁴ (7.16 cm ⁴) I _y =.172 in ⁴ (7.16 cm ⁴)

BEAM SELECTION BY LOAD AND LENGTH



MACHINE SERVICES

CTL	.....	660003
Single Access Hole	.....	660028
Single Anchor Fastener	.....	660020
Tap 5/16 -18	.....	660034
Tap M8	.....	660033
Tap 3/8 - 16	.....	660009



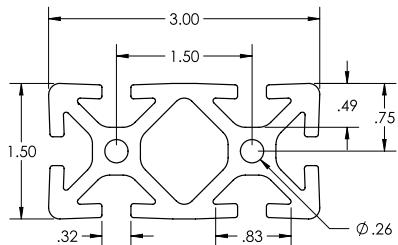
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

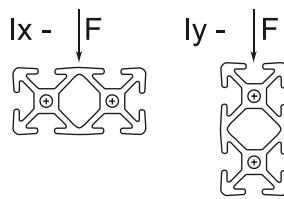
Fractional Extrusions

15 SERIES

TS15-30



Clear Anodized - 650008
Black Anodized - 650108



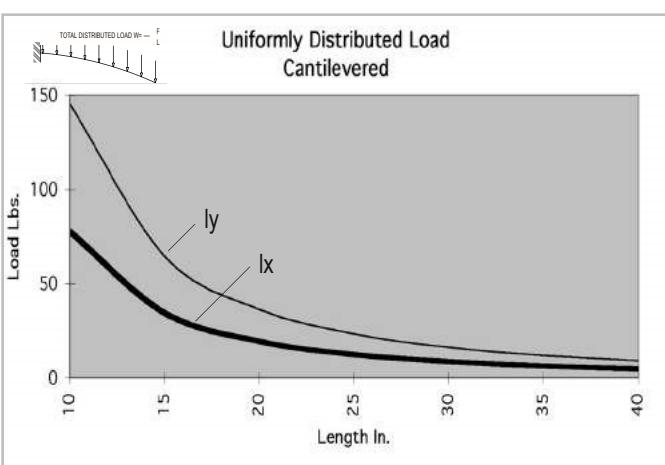
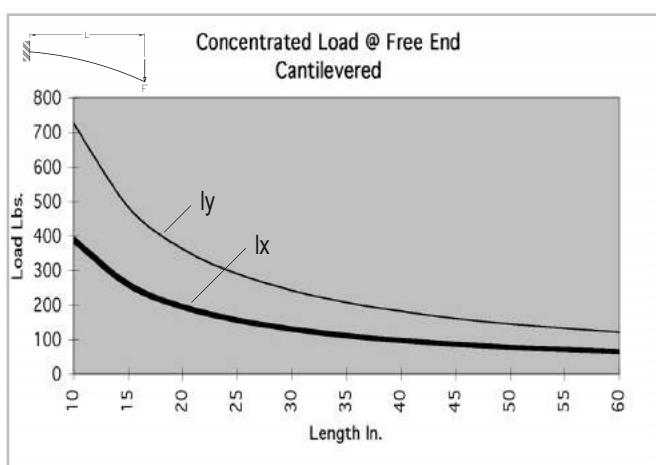
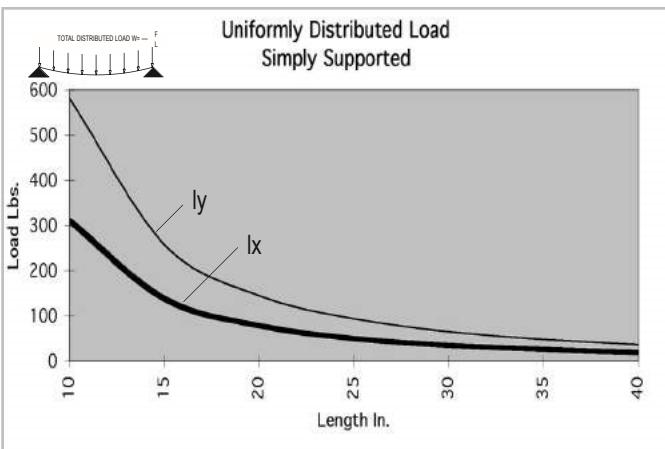
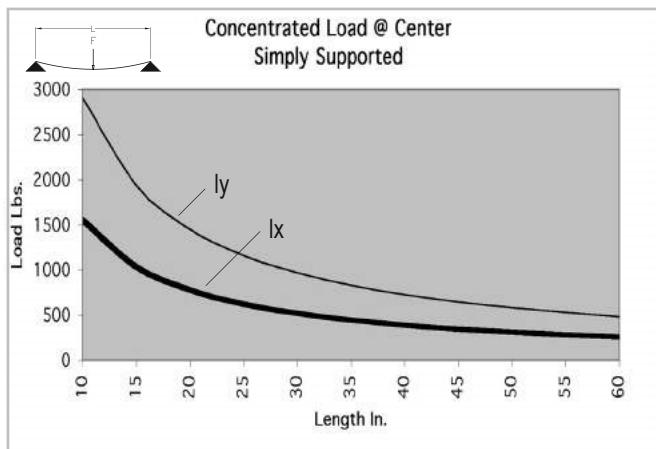
SPECIFICATIONS

Length.....	240"(6 m)
Weight.....	2.507 lbs/ft (3.731 kg/m)
Estimated Area.....	2.155 in ² (13.903 cm ²)
Moment of Inertia.....	$I_x = .502 \text{ in}^4$ (20.895 cm ⁴) $I_y = 1.877 \text{ in}^4$ (78.127 cm ⁴)

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH



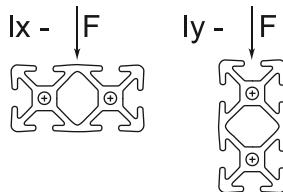
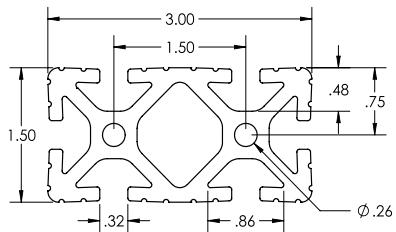
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS15-30 GR

Clear Anodized - 650082



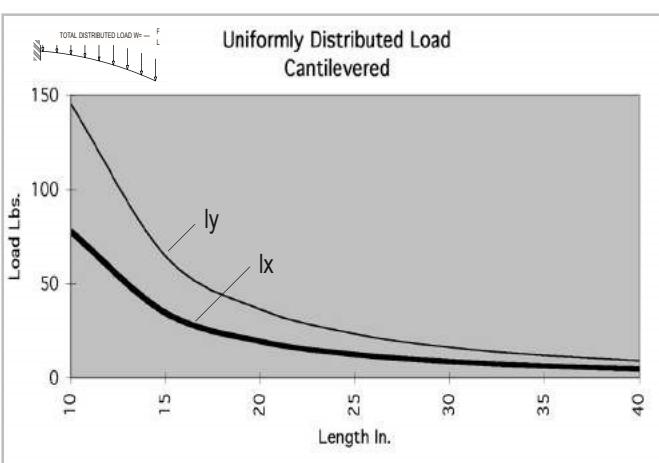
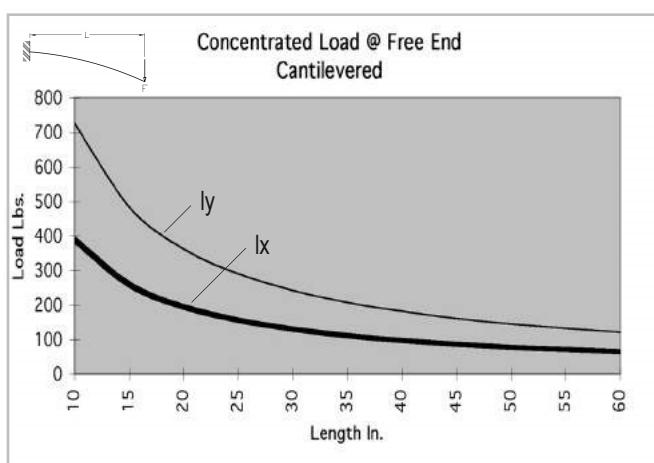
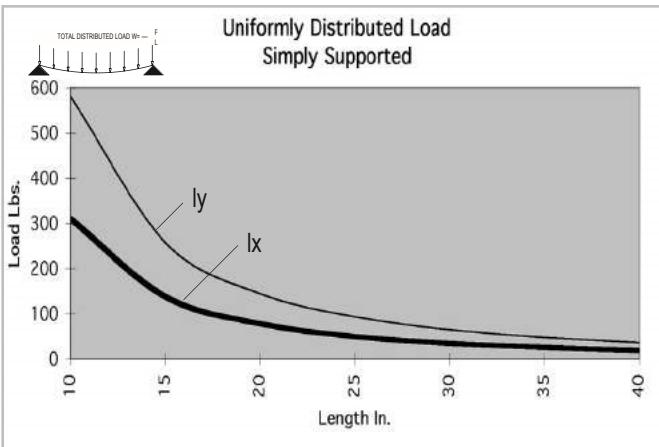
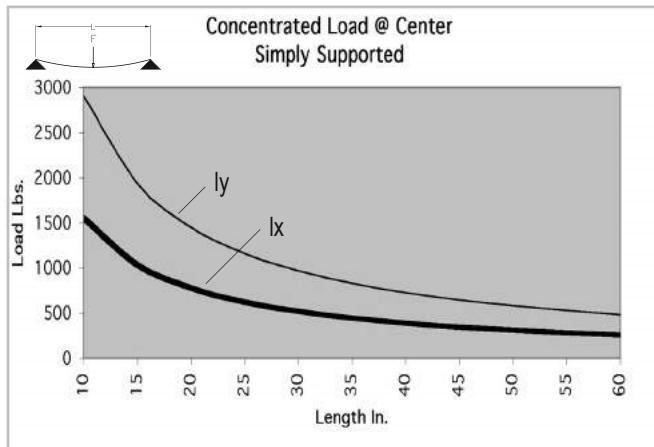
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	2.466 lbs/ft (3.670 kg/m)
Estimated Area.....	2.155 in ² (13.903 cm ²)
Moment of Inertia.....	$I_x = .502 \text{ in}^4$ (20.895 cm ⁴) $I_y = 1.877 \text{ in}^4$ (78.127 cm ⁴)

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH



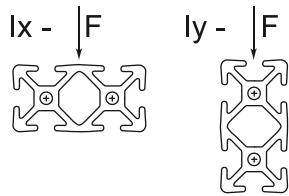
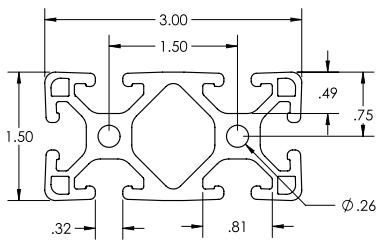
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

TS15-30L

Clear Anodized - 650009
Black Anodized - 650109



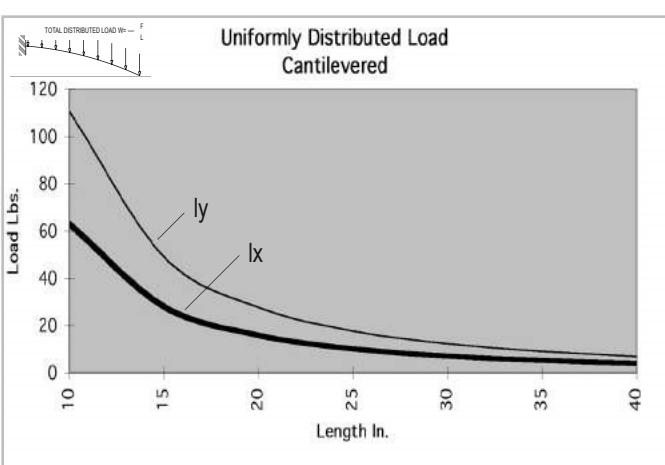
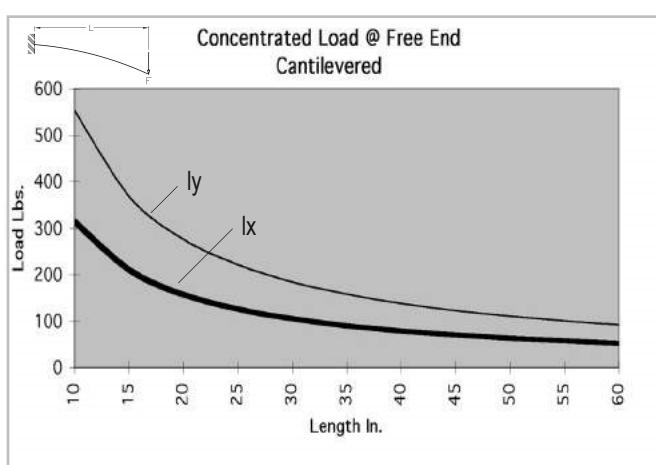
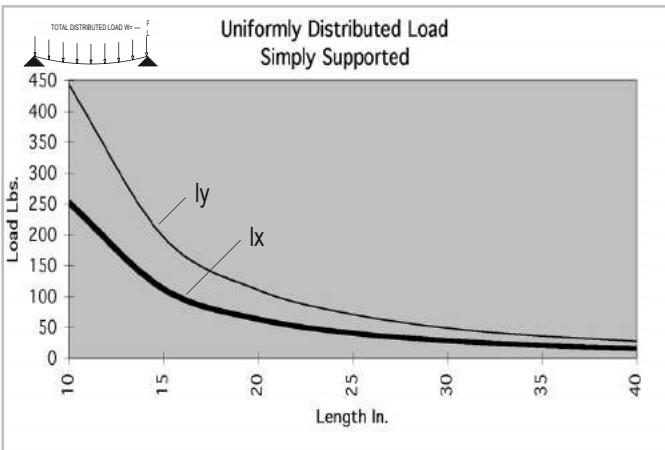
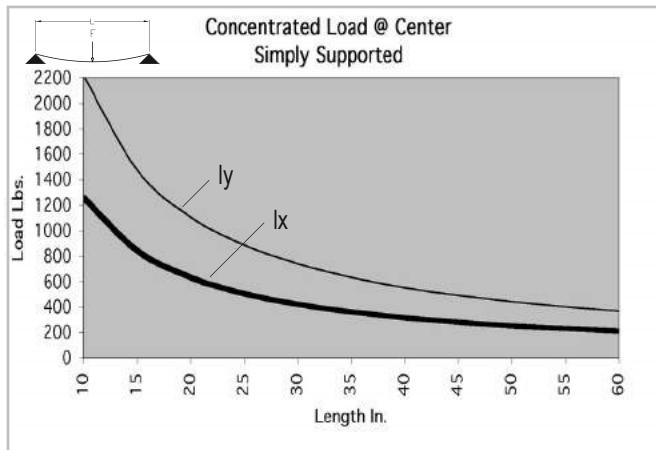
SPECIFICATIONS

Length.....	240"(6 m)
Weight.....	2.092 lbs/ft (3.113 kg/m)
Estimated Area.....	1.766 in ² (11.394 cm ²)
Moment of Inertia.....	$I_x = .408 \text{ in}^4$ (16.982 cm ⁴) $I_y = 1.431 \text{ in}^4$ (59.563 cm ⁴)

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH

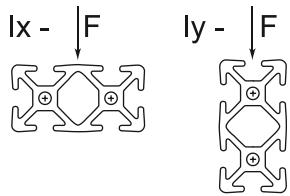
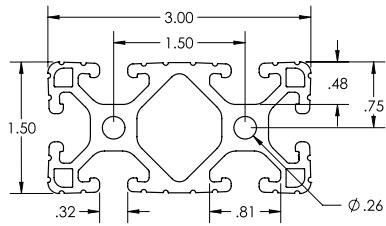


* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

TS15-30L GR

Clear Anodized - 650047
Black Anodized - 650147



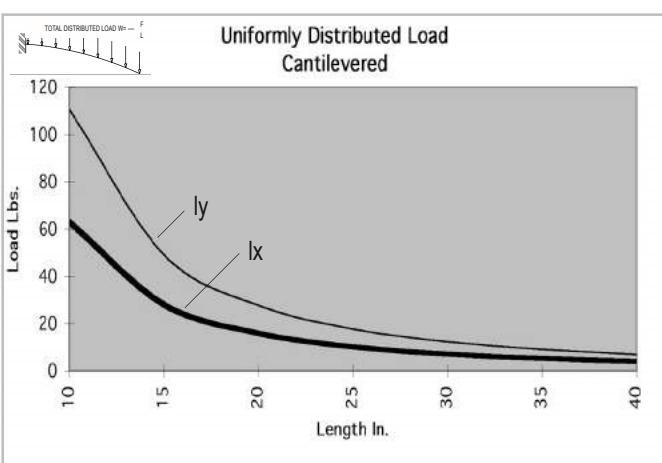
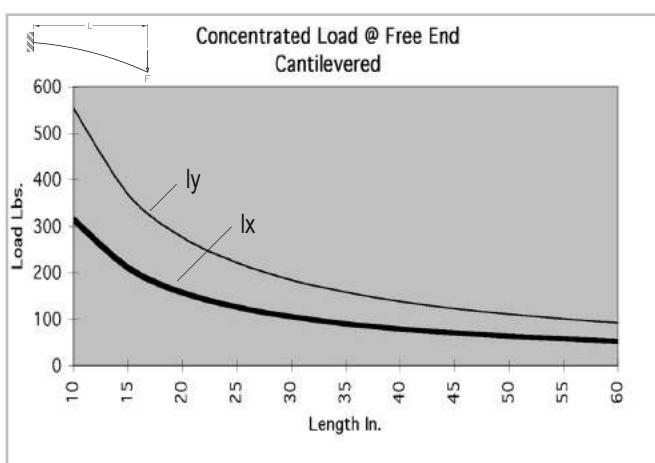
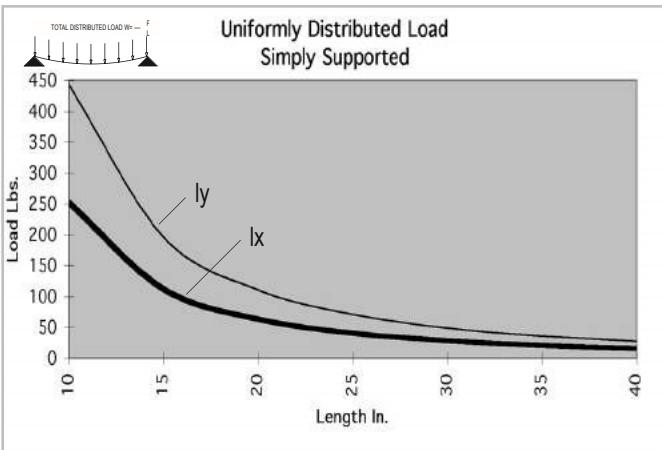
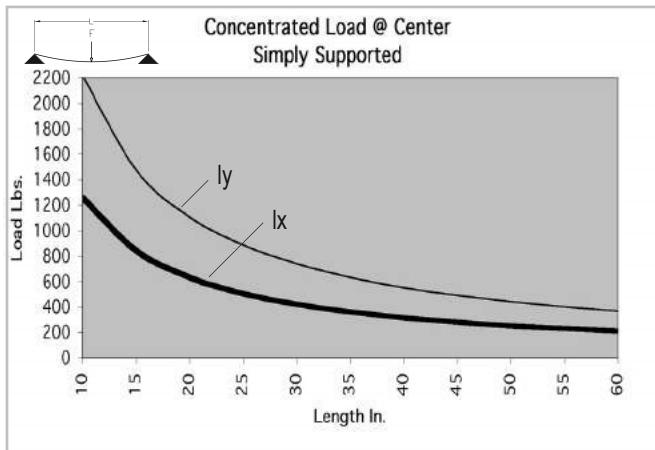
SPECIFICATIONS

Length	240" (6 m)
Weight	2.042 lbs/ft (3.039 kg/m)
Estimated Area	1.766 in ² (11.394 cm ²)
Moment of Inertia	$I_x = .408 \text{ in}^4$ (16.982 cm ⁴) $I_y = 1.431 \text{ in}^4$ (59.563 cm ⁴)

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

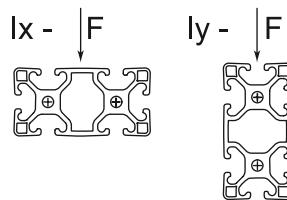
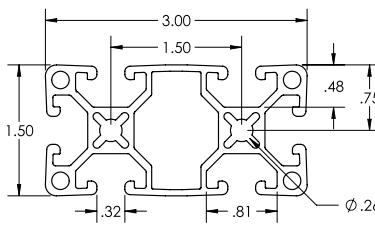
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS15-30VL

Clear Anodized - 650020



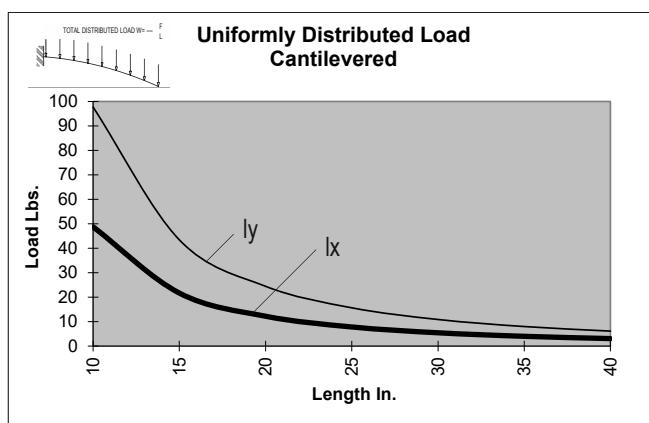
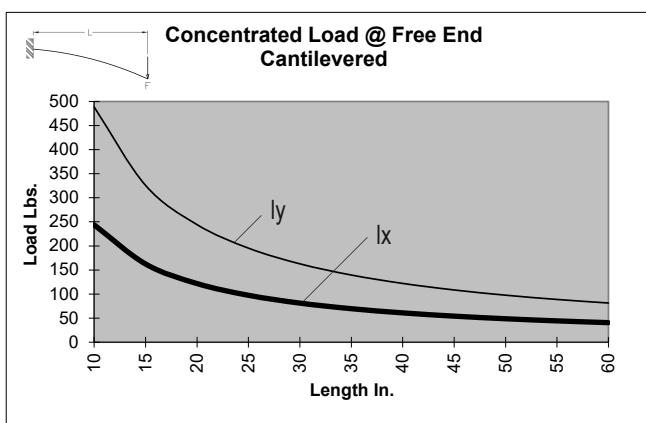
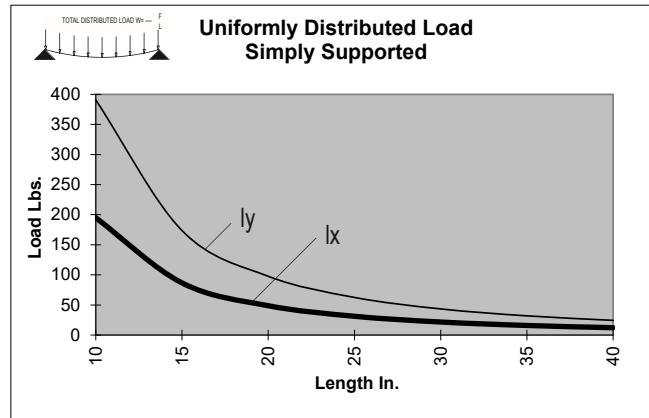
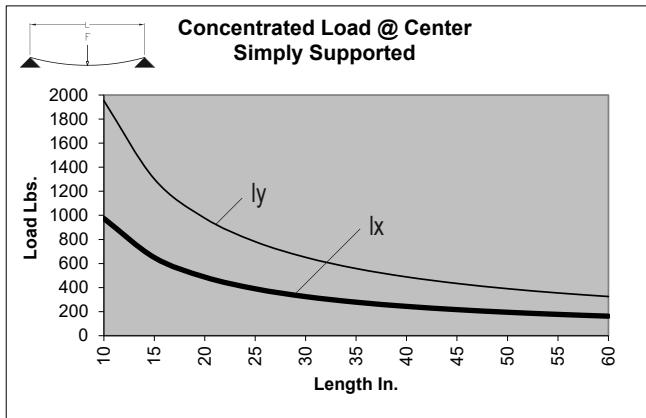
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	1.567 lbs/ft (2.333 kg/m)
Estimated Area.....	1.339 in ² (8.639 cm ²)
Moment of Inertia.....	I _x =.315 in ⁴ (13.097 cm ⁴) I _y =1.263 in ⁴ (52.550 cm ⁴)

MACHINE SERVICES

CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH

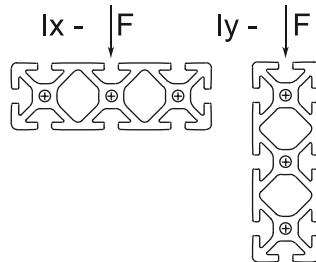
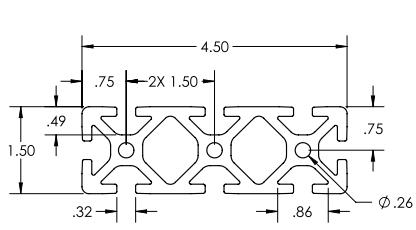


* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

TS15-45

Clear Anodized - 650010



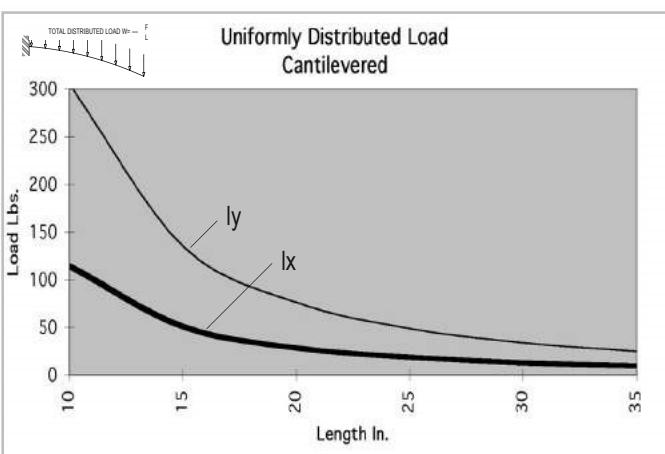
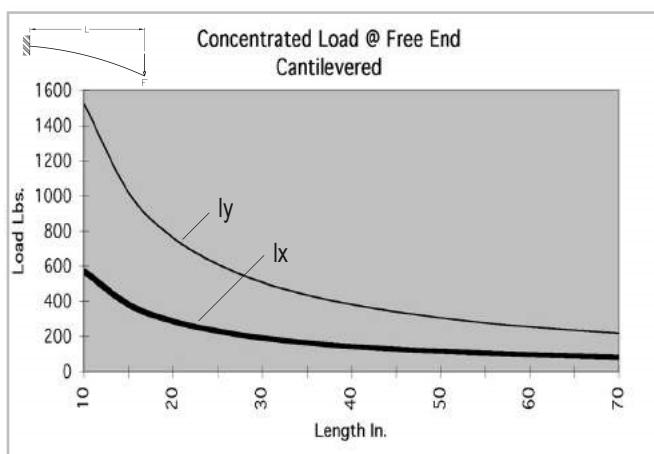
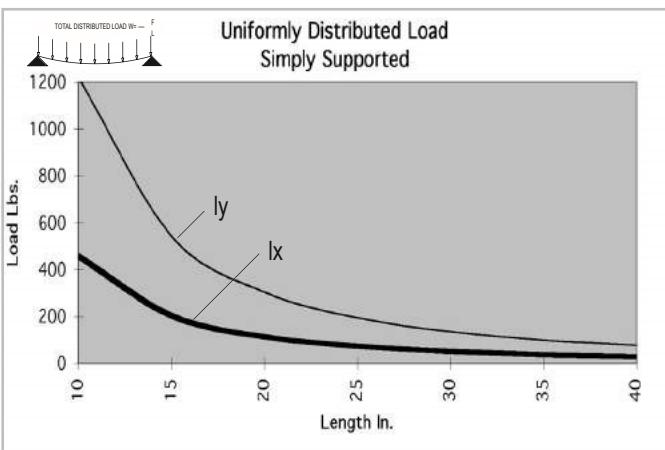
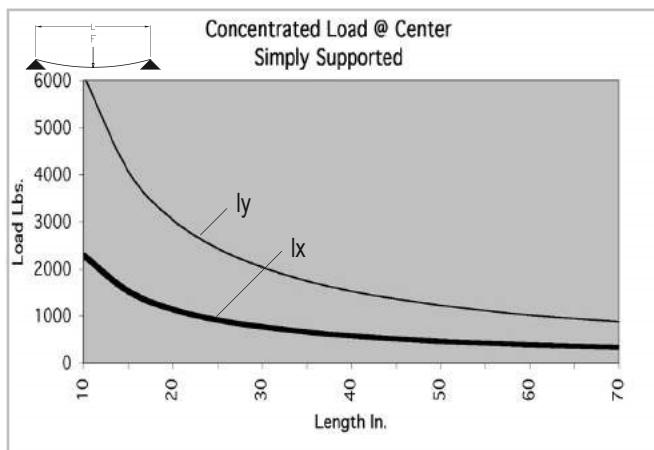
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	3.684 lbs/ft (5.482 kg/m)
Estimated Area.....	3.113 in ² (20.084 cm ²)
Moment of Inertia.....	$I_x = .739 \text{ in}^4$ (30.760 cm ⁴) $I_y = 5.913 \text{ in}^4$ (246.118 cm ⁴)

MACHINE SERVICES

CTL	660007
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660010
Tap M8	660011

BEAM SELECTION BY LOAD AND LENGTH



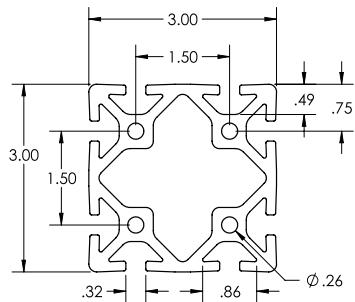
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS30-30



Clear Anodized - 650012
Black Anodized - 650112

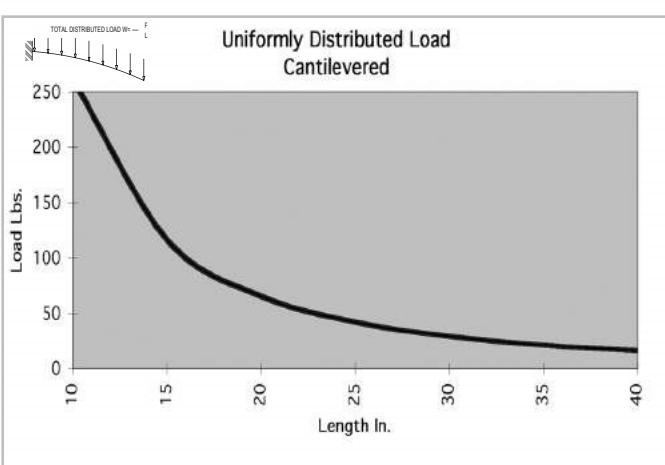
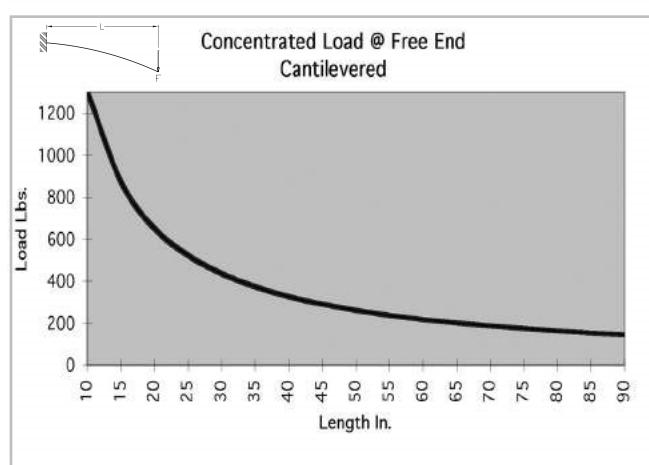
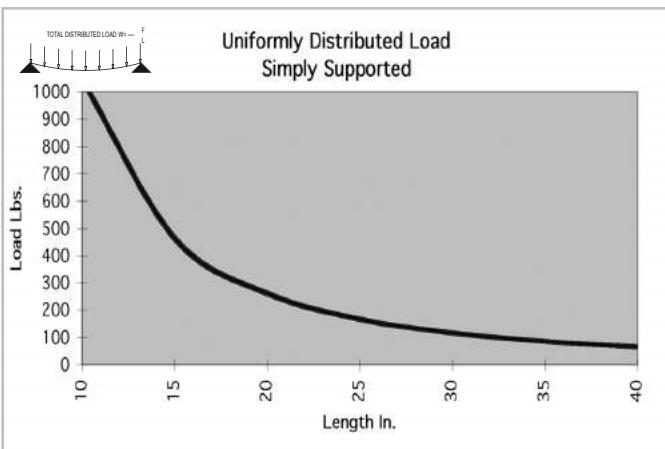
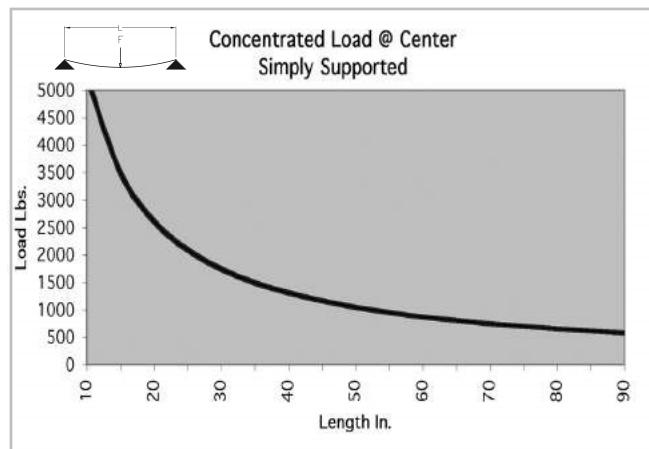
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	3.944 lbs/ft (5.869 kg/m)
Estimated Area.....	3.356 in ² (21.652 cm ²)
Moment of Inertia.....	I _x =3.379 in ⁴ (140.645 cm ⁴) I _y =3.379 in ⁴ (140.645 cm ⁴)

MACHINE SERVICES

CTL.....	660013
Single Access Hole.....	660028
Single Anchor Fastener.....	660020
Tap 5/16 -18.....	660031
Tap M8.....	660032

BEAM SELECTION BY LOAD AND LENGTH



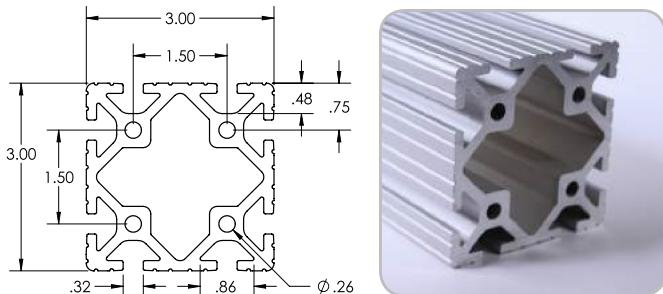
* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS30-30 GR

Clear Anodized - 650083



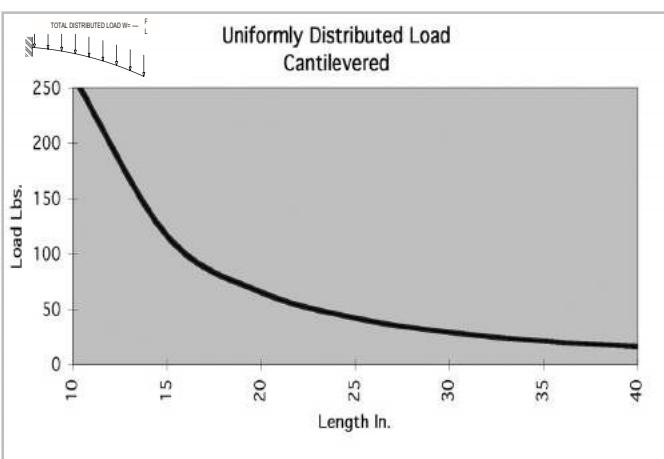
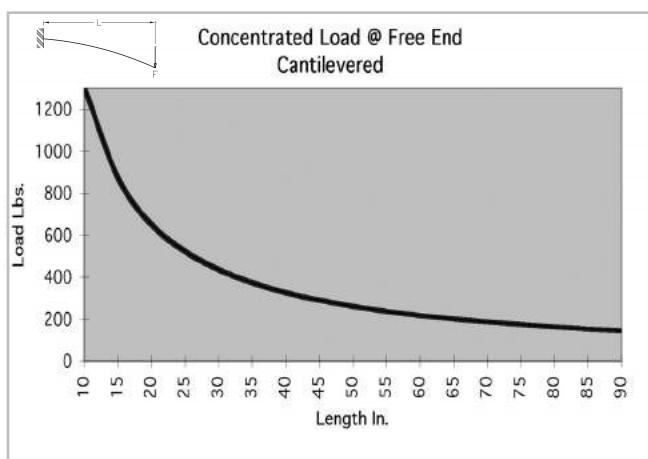
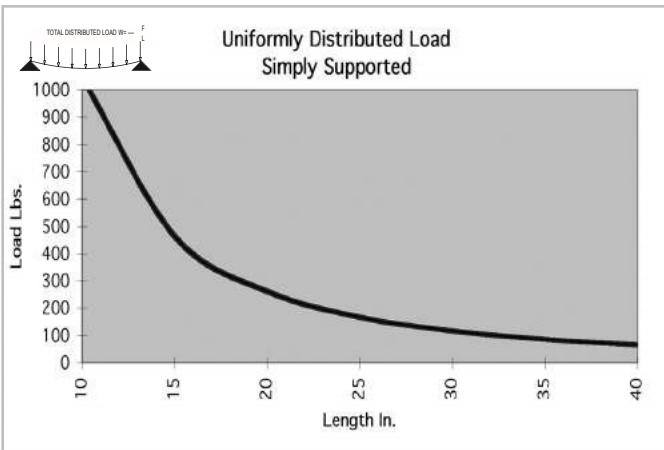
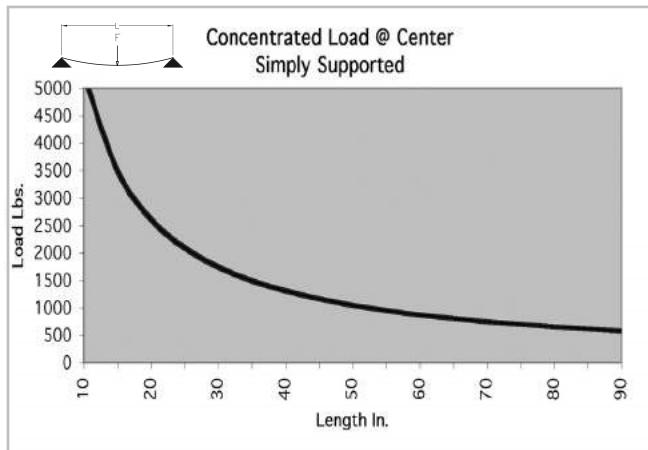
SPECIFICATIONS

Length	240" (6 m)
Weight	3.918 lbs/ft (5.831 kg/m)
Estimated Area	3.356 in ² (21.652 cm ²)
Moment of Inertia	I _x =3.379 in ⁴ (140.645 cm ⁴) I _y =3.379 in ⁴ (140.645 cm ⁴)

MACHINE SERVICES

CTL	660013
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660031
Tap M8	660032

BEAM SELECTION BY LOAD AND LENGTH

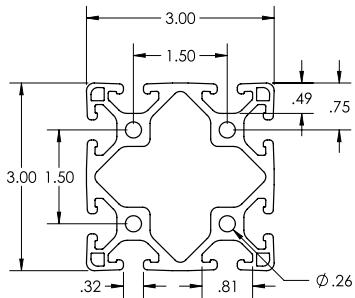


* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

Fractional Extrusions

TS30-30L



Clear Anodized - 650013
Black Anodized - 650113

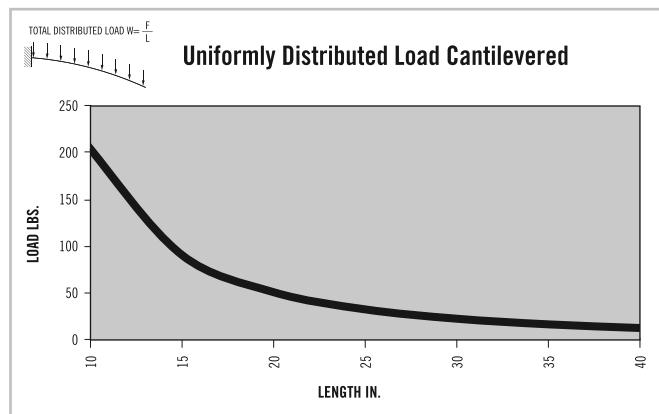
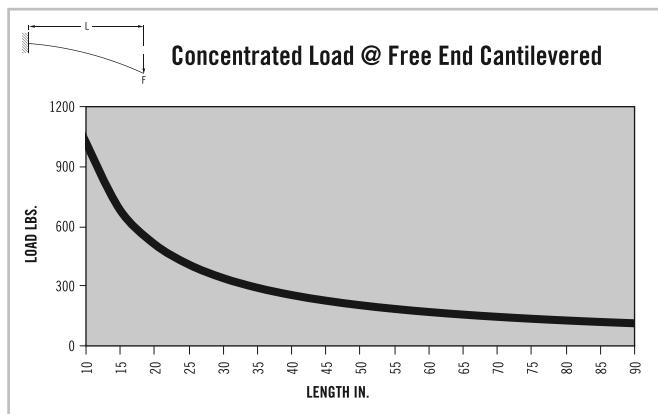
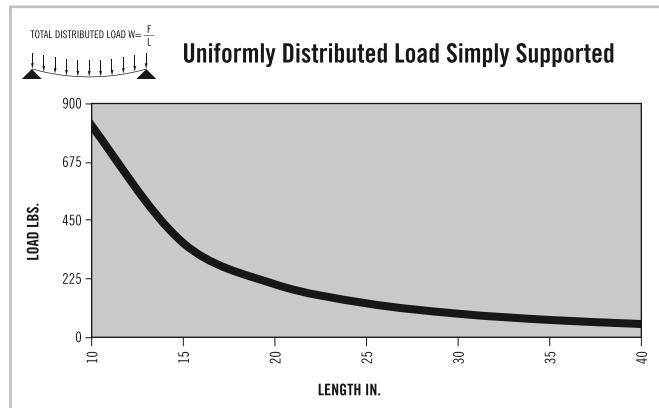
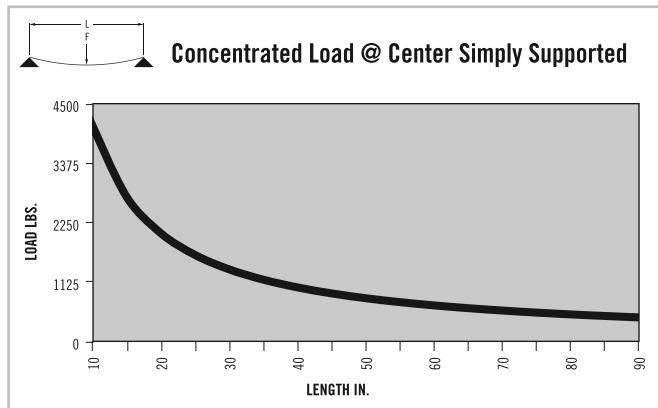
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	3.296 lbs/ft (4.905 kg/m)
Estimated Area.....	2.728 in ² (17.598 cm ²)
Moment of Inertia.....	$I_x = 2.639 \text{ in}^4$ (109.863 cm ⁴) $I_y = 2.639 \text{ in}^4$ (109.863 cm ⁴)

MACHINE SERVICES

CTL.....	660013
Single Access Hole.....	660028
Single Anchor Fastener.....	660020
Tap 5/16 -18.....	660031
Tap M8.....	660032

BEAM SELECTION BY LOAD AND LENGTH

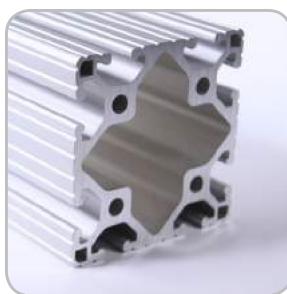
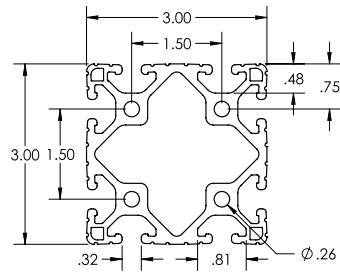


* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

15 SERIES

TS30-30LGR



Clear Anodized - 650084
Black Anodized - 650184

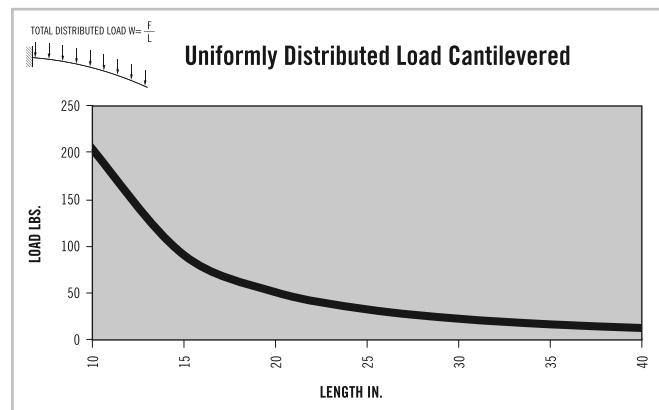
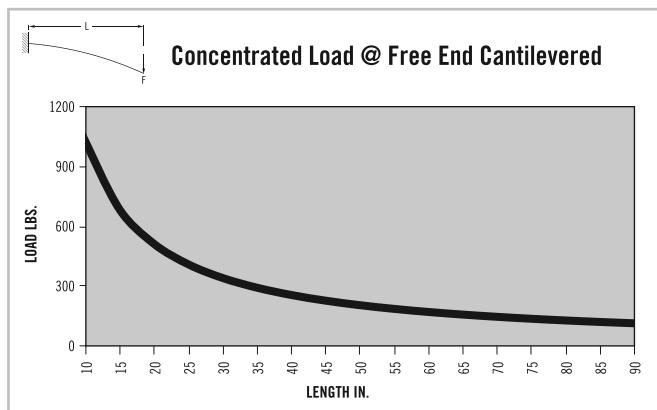
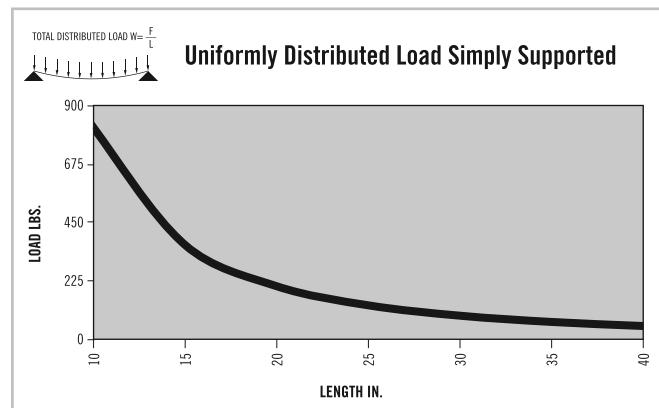
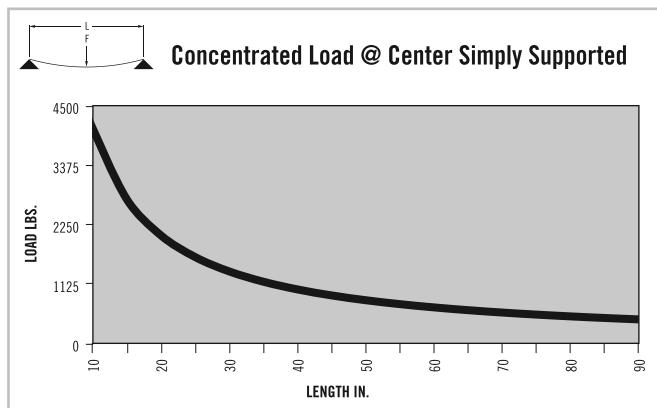
SPECIFICATIONS

Length	240" (6 m)
Weight	3.296 lbs/ft (4.905 kg/m)
Estimated Area	2.728 in ² (17.598 cm ²)
Moment of Inertia	$I_x = 2.639 \text{ in}^4$ (109.863 cm ⁴) $I_y = 2.639 \text{ in}^4$ (109.863 cm ⁴)

MACHINE SERVICES

CTL	660013
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 -18	660031
Tap M8	660032

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

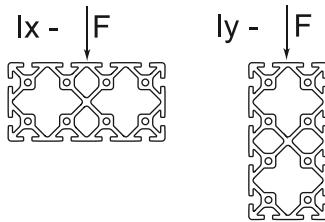
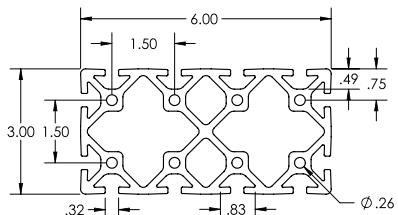
» For deflection equations see page 10

Fractional Extrusions

15 SERIES

TS30-60

Clear Anodized - 650042



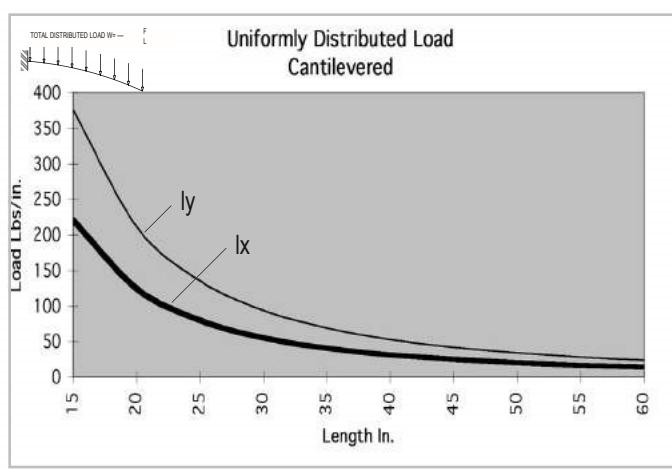
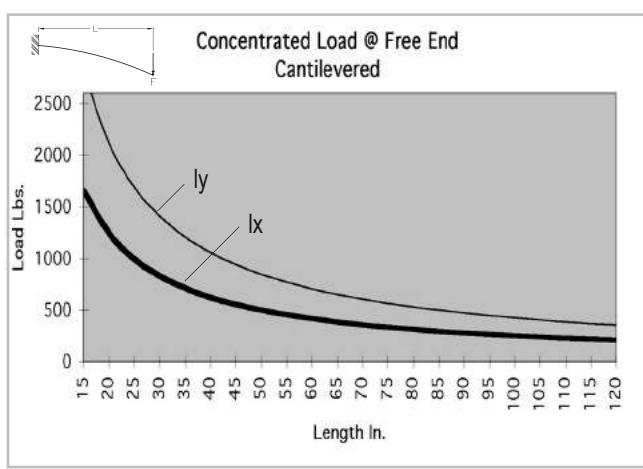
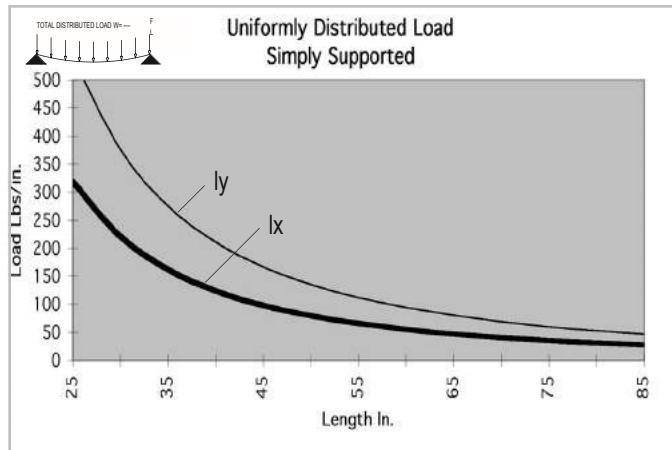
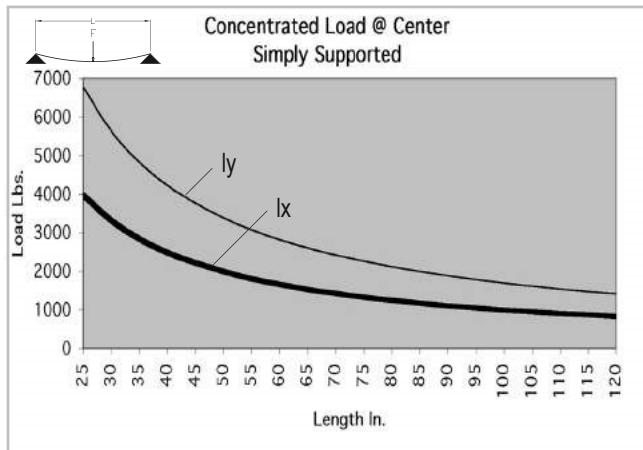
SPECIFICATIONS

Length.....	240" (6 m)
Weight.....	7.198 lbs/ft (10.712 kg/m)
Estimated Area.....	6.219 in ² (40.123 cm ²)
Moment of Inertia.....	I _x =6.4300 in ⁴ (267.637 cm ⁴) I _y =21.8559 in ⁴ (909.711 cm ⁴)

MACHINE SERVICES

CTL	660008
Single Access Hole	660028
Single Anchor Fastener	660020

BEAM SELECTION BY LOAD AND LENGTH



* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

