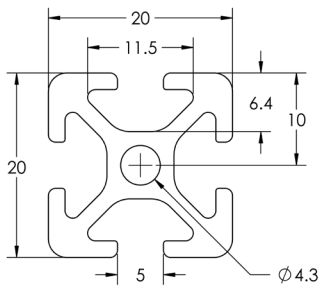


# Metric Extrusions

Clear Anodized - **650045**  
 Black Anodized - **650145**  
 Yellow Powdercoat - **650245**

## TS20-20M



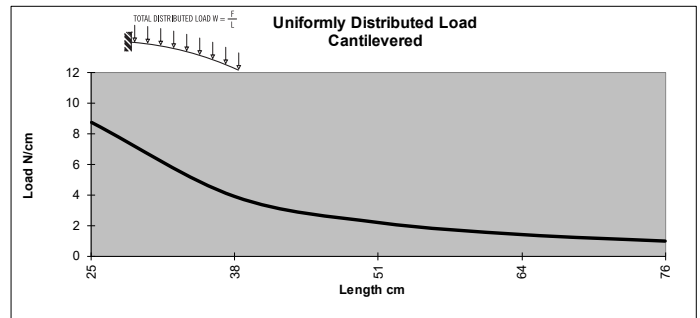
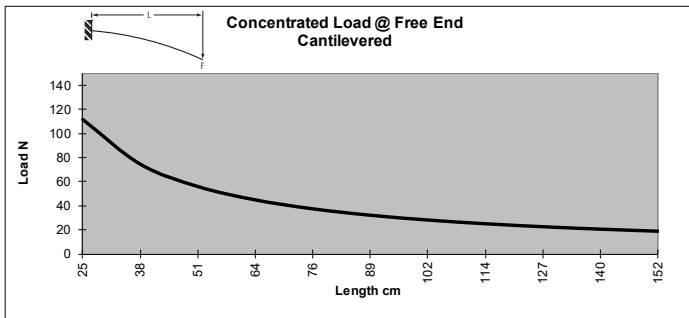
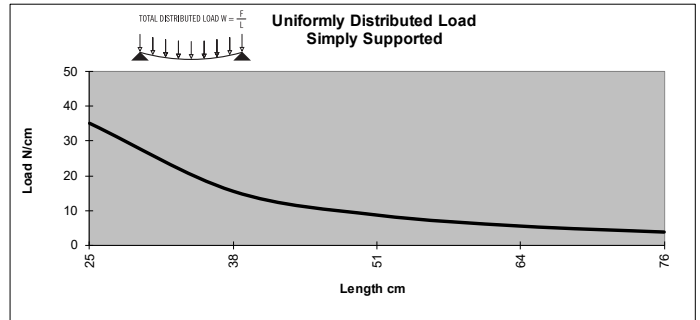
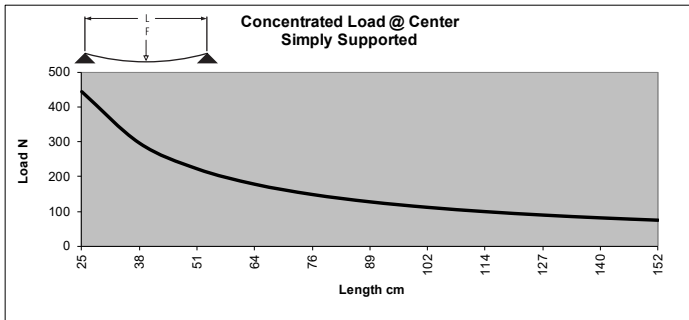
### SPECIFICATIONS

Length Clear .....	240" (6 m)
Length Black .....	240" (6 m)
Length Yellow .....	144" (3.6 m)
Weight .....	0.335 lbs/ft (0.498 kg/m)
Estimated Area .....	0.279 in <sup>2</sup> (1.799 cm <sup>2</sup> )
Moment of Inertia .....	I <sub>x</sub> 0.017= in <sup>4</sup> (0.707 cm <sup>4</sup> )
	I <sub>y</sub> 0.017= in <sup>4</sup> (0.707 cm <sup>4</sup> )

### MACHINING SERVICES

CTL .....	660002
Single Access Hole .....	660123
Tap M5 .....	660124

### BEAM SELECTION BY LOAD AND LENGTH

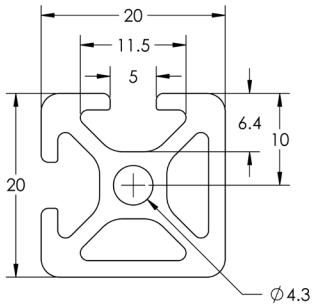


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS20-20M BISLOT AD

Clear Anodized - 650049



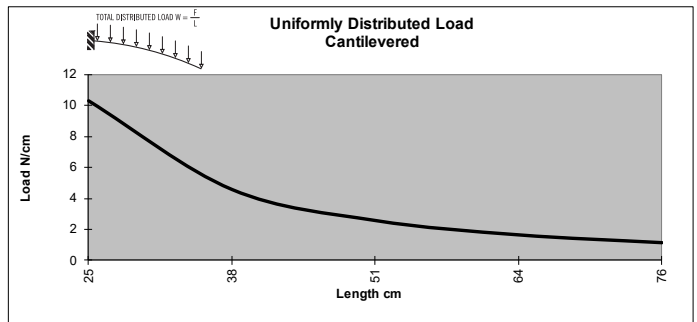
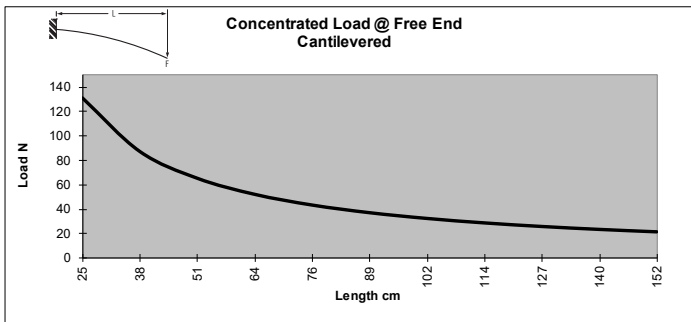
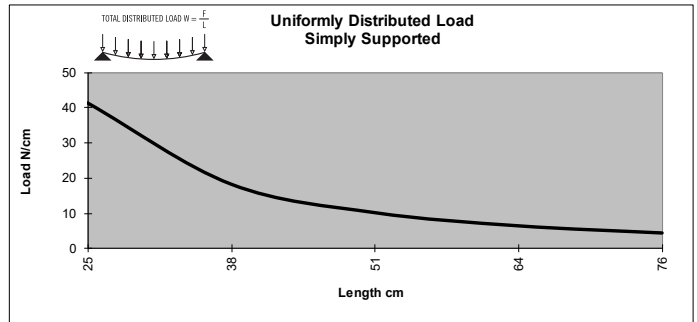
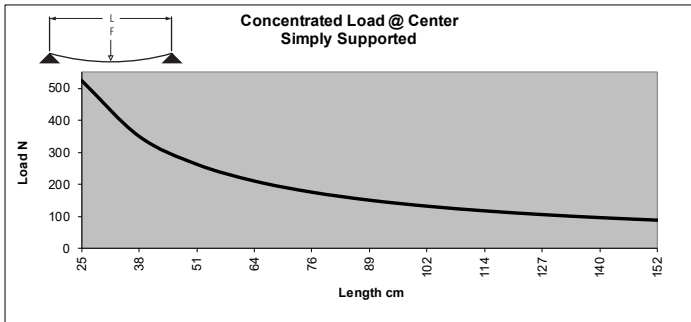
### SPECIFICATIONS

Length Clear .....	240" (6 m)
Weight .....	0.362 lbs/ft (0.538 kg/m)
Estimated Area .....	0.302 in <sup>2</sup> (1.948 cm <sup>2</sup> )
Moment of Inertia .....	I <sub>x</sub> 0.020 = in <sup>4</sup> (0.832 cm <sup>4</sup> )
	I <sub>y</sub> 0.020 = in <sup>4</sup> (0.832 cm <sup>4</sup> )

### MACHINING SERVICES

CTL .....	660002
Single Access Hole .....	660123
Tap M5 .....	660124

### BEAM SELECTION BY LOAD AND LENGTH



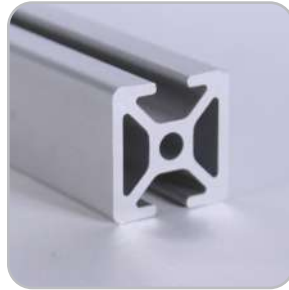
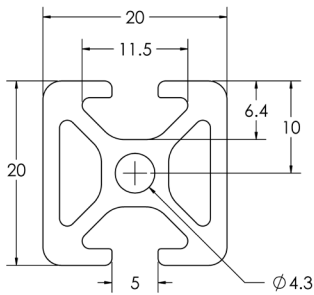
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS20-20M BISLOT OPP

Clear Anodized - 650050



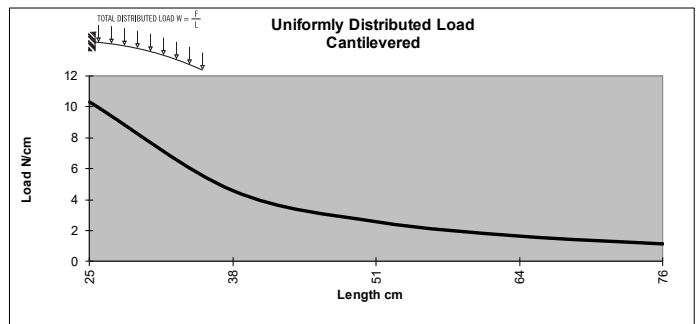
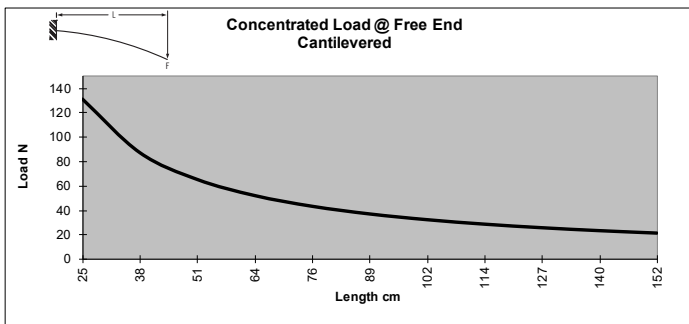
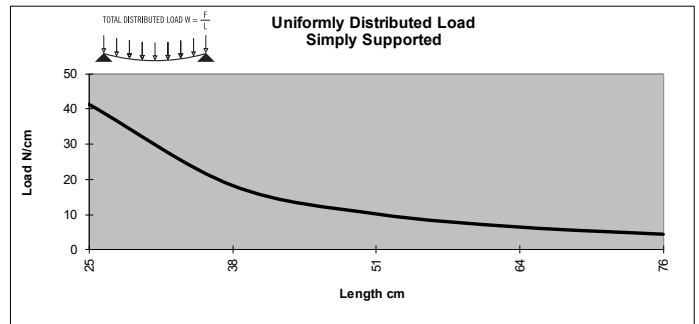
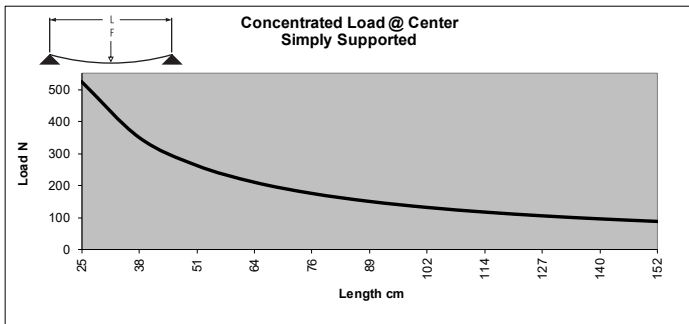
### SPECIFICATIONS

Length Clear	.....	240" (6 m)
Weight	.....	0.362 lbs/ft (0.538 kg/m)
Estimated Area	.....	0.302 in <sup>2</sup> (1.948 cm <sup>2</sup> )
Moment of Inertia	.....	$I_x .020 = \text{in}^4$ (0.832 cm <sup>4</sup> )
	.....	$I_y .020 = \text{in}^4$ (0.832 cm <sup>4</sup> )

### MACHINING SERVICES

CTL	.....	660002
Single Access Hole	.....	660123
Tap M5	.....	660124

### BEAM SELECTION BY LOAD AND LENGTH

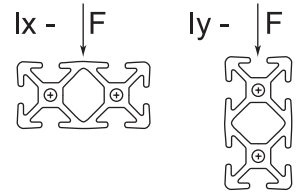
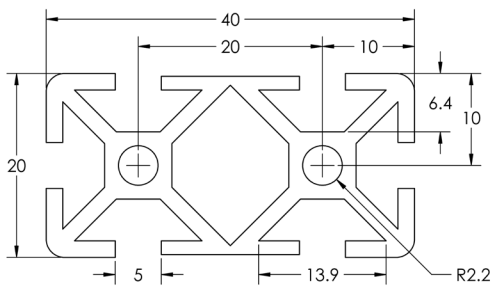


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS20-40M

Clear Anodized - **650046**  
 Black Anodized - **650146**



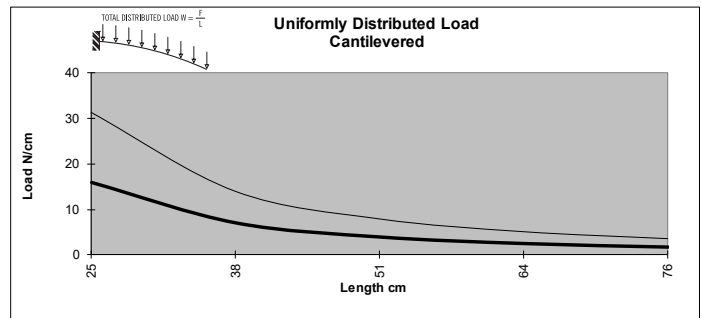
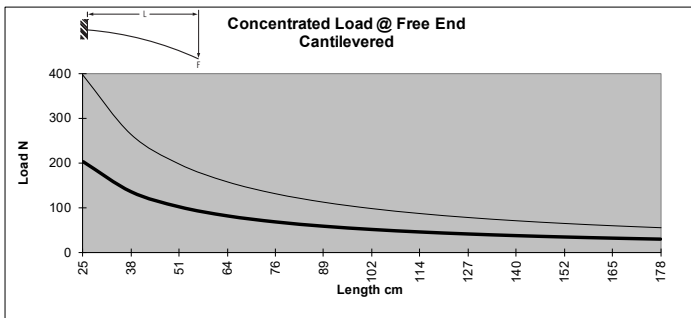
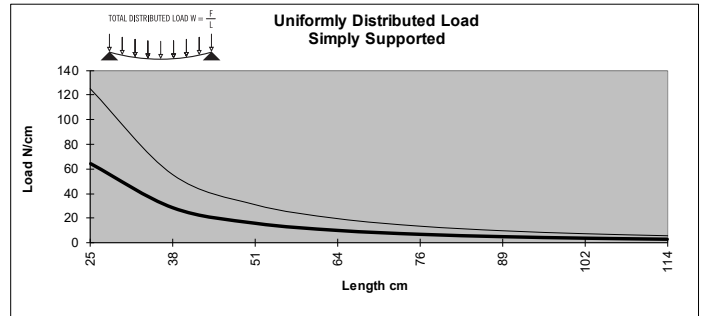
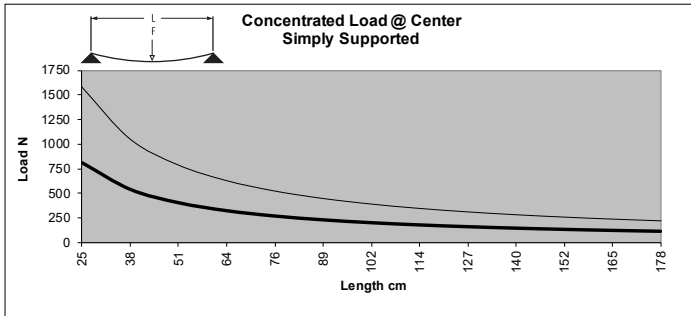
## SPECIFICATIONS

Length Clear	.....	240" (6 m)
Weight	.....	0.606 lbs/ft (0.901 kg/m)
Estimated Area	.....	0.505 in <sup>2</sup> (3.258 cm <sup>2</sup> )
Moment of Inertia	.....	I <sub>x</sub> 0.031= in <sup>4</sup> (1.290 cm <sup>4</sup> )
		I <sub>y</sub> 0.121= in <sup>4</sup> (5.036 cm <sup>4</sup> )

## MACHINING SERVICES

CTL	.....	660000
Single Access Hole	.....	660123
Tap M5	.....	660189

## BEAM SELECTION BY LOAD AND LENGTH



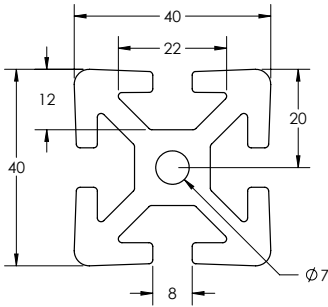
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

Clear Anodized - **650032**  
 Black Anodized - **650132**  
 Yellow Powdercoat - **650232**

## TS40-40M



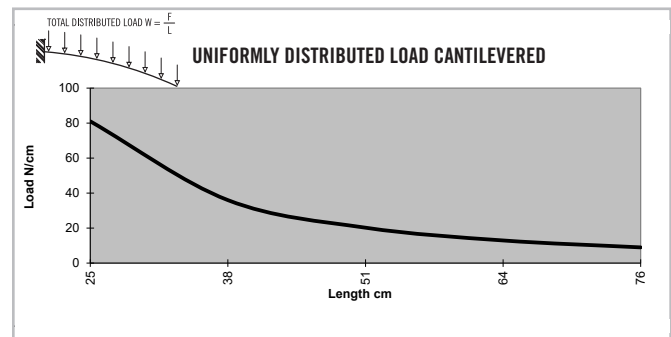
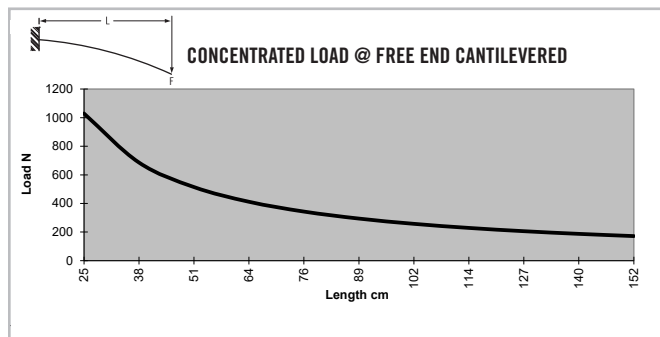
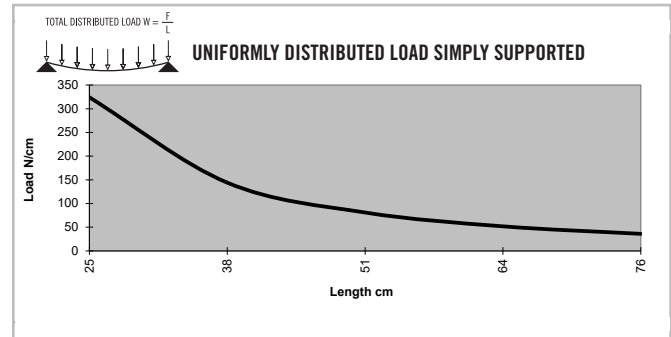
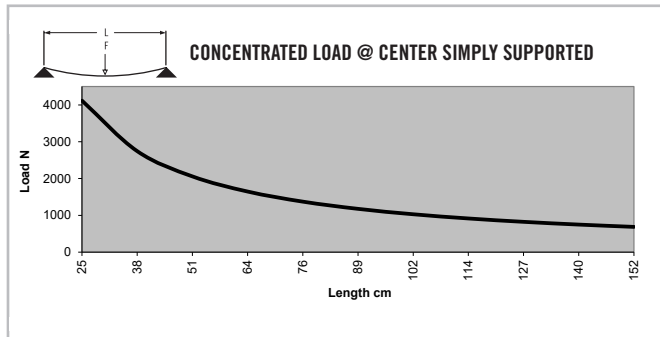
### SPECIFICATIONS

Length Clear	240" (6 m)
Length Black	240" (6 m)
Length Yellow	144" (3.6 m)
Weight	1.533 lbs/ft (2.281 kg/m)
Estimated Area	1.309 in <sup>2</sup> (8.447 cm <sup>2</sup> )
Moment of Inertia	$I_x = .314 \text{ in}^4$ (13.063 cm <sup>4</sup> ) $I_y = .314 \text{ in}^4$ (13.063 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH

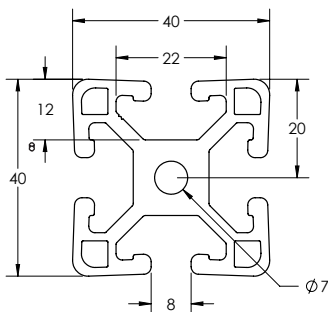


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-40LM

Clear Anodized - **650033**  
 Black Anodized - **650133**



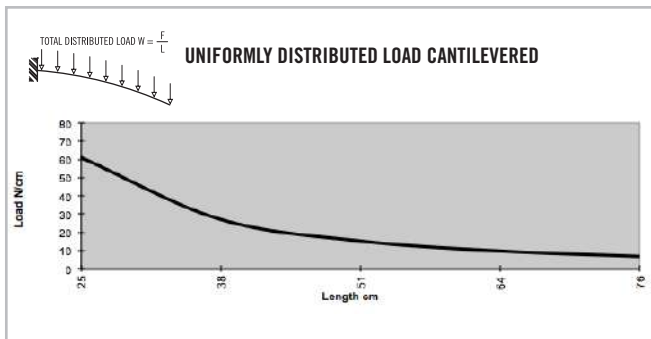
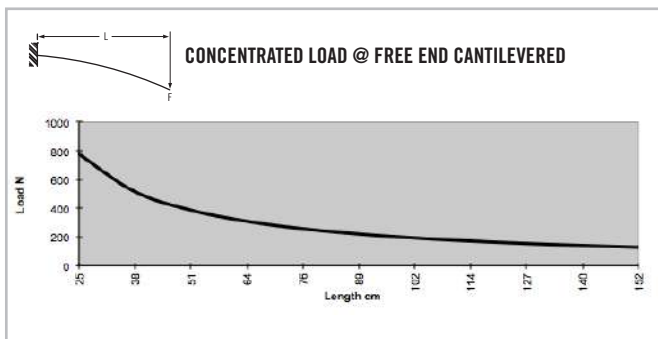
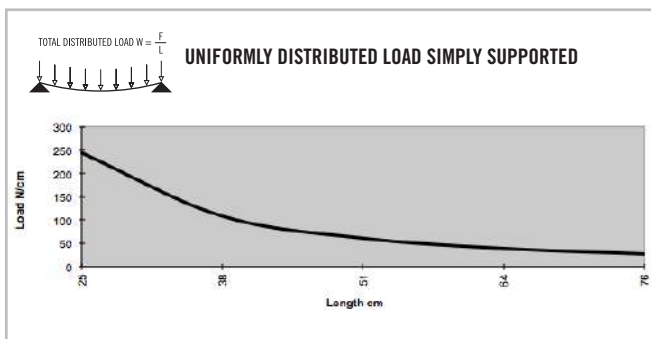
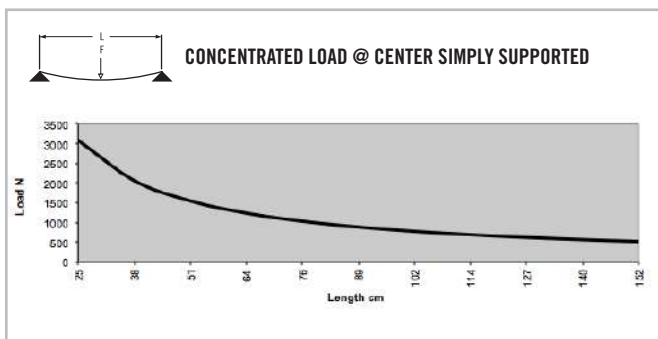
## SPECIFICATIONS

Length	.....	240" (6 m)
Weight	.....	1.242 lbs/ft (1.848 kg/m)
Estimated Area	.....	1.050 in <sup>2</sup> (6.774 cm <sup>2</sup> )
Moment of Inertia	.....	lx=.236 in <sup>4</sup> (9.823 cm <sup>4</sup> ) ly=.236 in <sup>4</sup> (9.823 cm <sup>4</sup> )

## MACHINING SERVICES

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

## BEAM SELECTION BY LOAD AND LENGTH



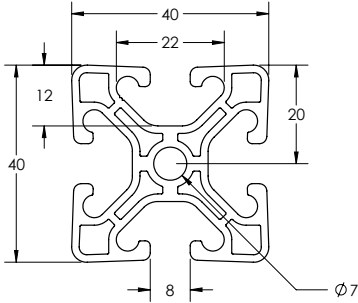
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-40VLM

Clear Anodized - **650034**  
 Black Anodized - **650134**



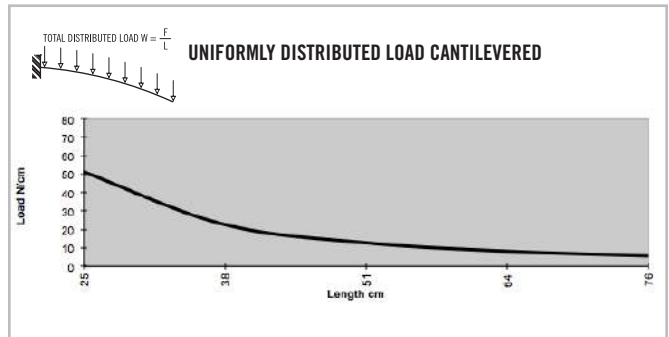
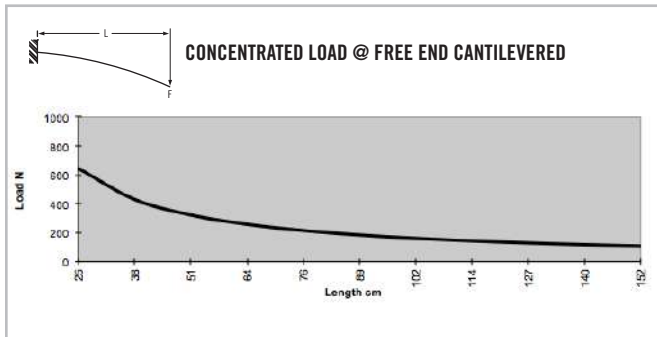
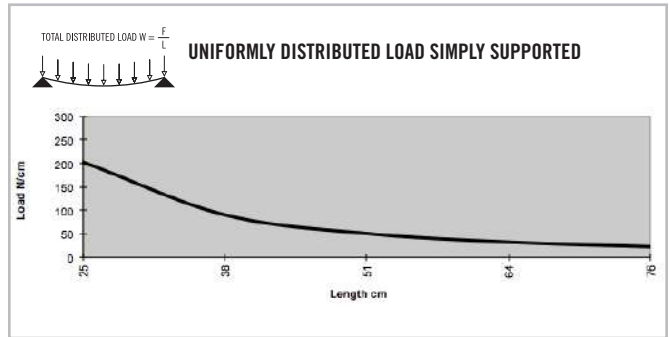
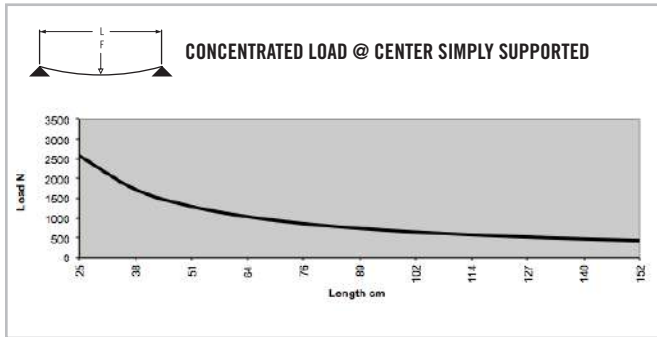
### SPECIFICATIONS

Length	.....	.240" (6 m)
Weight	.....	1.020 lbs/ft (1.518 kg/m)
Estimated Area	.....	0.836 in <sup>2</sup> (5.394 cm <sup>2</sup> )
Moment of Inertia	.....	$I_x = .1972 \text{ in}^4$ (8.21 cm <sup>4</sup> ) $I_y = .1972 \text{ in}^4$ (8.21 cm <sup>4</sup> )

### MACHINING SERVICES

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

## BEAM SELECTION BY LOAD AND LENGTH

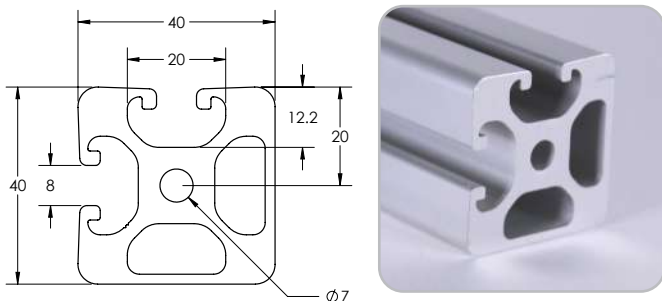


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40M BISLOT ADJ

Clear Anodized - 650055



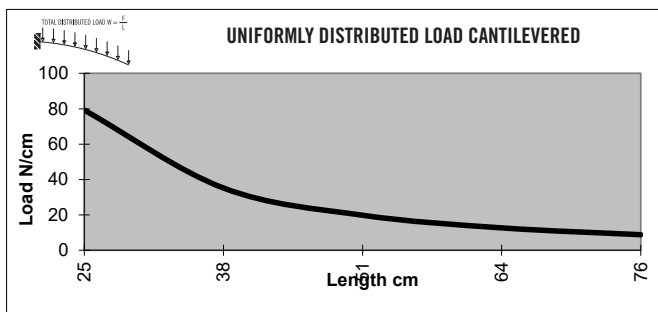
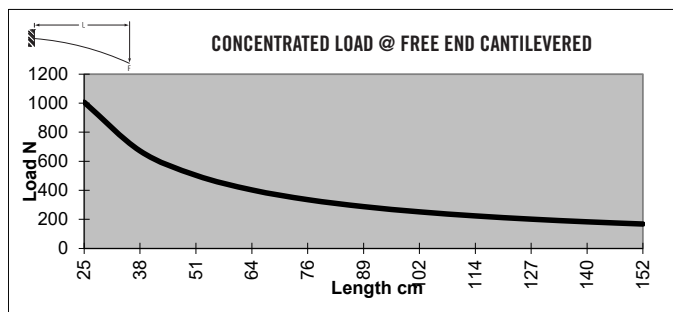
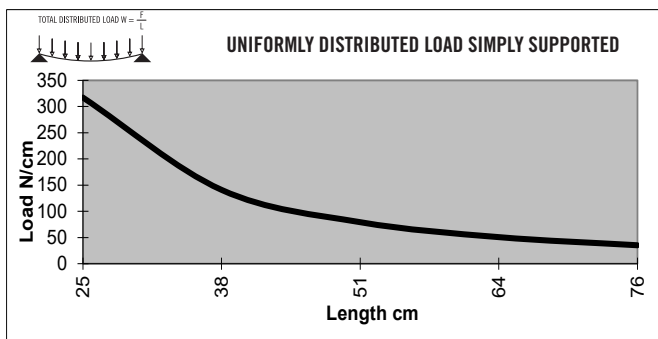
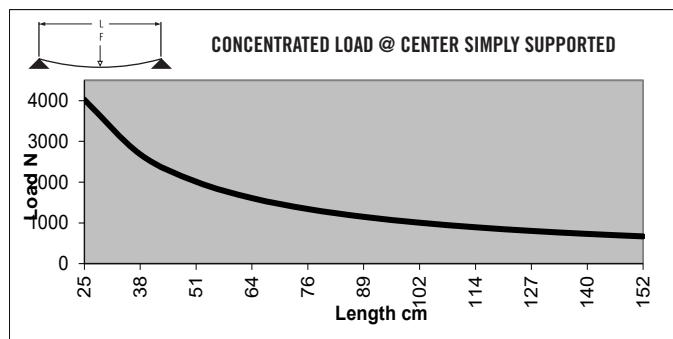
### SPECIFICATIONS

Length	.....	240" (6 m)
Weight	.....	1.471 lbs/ft (2.190kg/m)
Estimated Area	.....	1.257 in <sup>2</sup> (8.109 cm <sup>2</sup> )
Moment of Inertia	.....	I <sub>x</sub> =.307 in <sup>4</sup> (12.773 cm <sup>4</sup> ) I <sub>y</sub> =.307 in <sup>4</sup> (12.773 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH



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

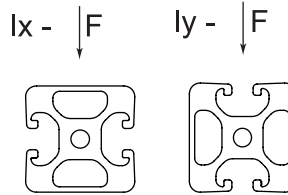
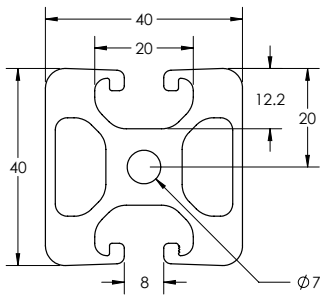
» For deflection equations see page 10



# Metric Extrusions

## TS40-40M BISLOT OPP

Clear Anodized - 650054



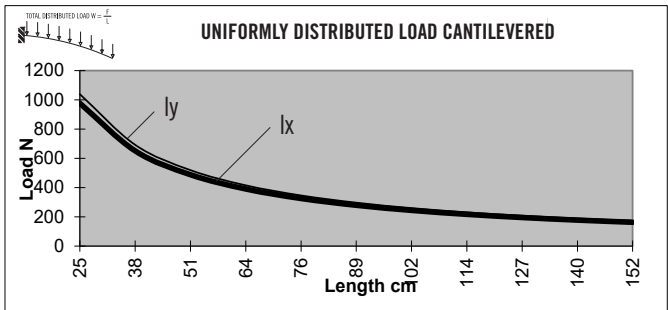
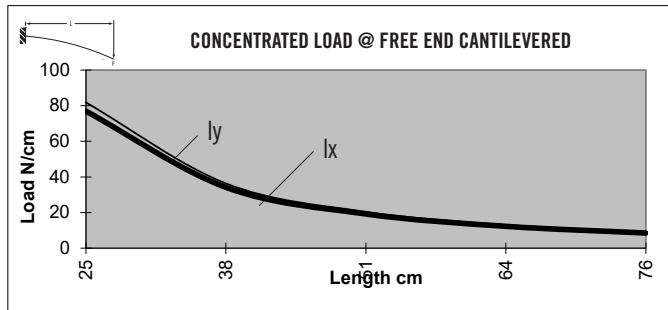
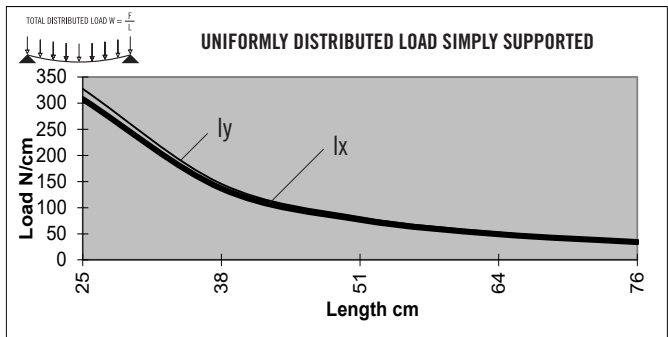
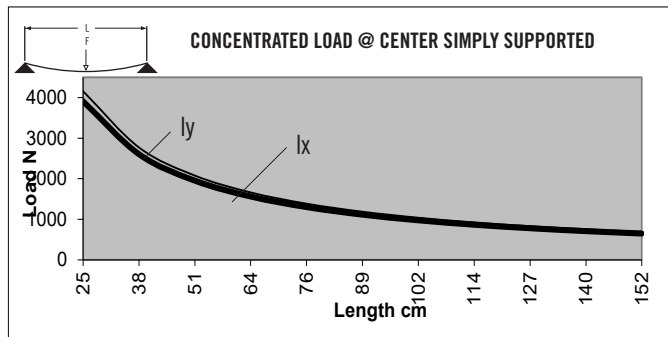
### SPECIFICATIONS

Length Clear .....	240" (6 m)
Weight .....	1.472 lbs/ft (2.191 kg/m)
Estimated Area .....	1.257 in <sup>2</sup> (8.112 cm <sup>2</sup> )
Moment of Inertia .....	Ix=.298 in <sup>4</sup> (12.407 cm <sup>4</sup> )
	Iy=.317 in <sup>4</sup> (13.193 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH

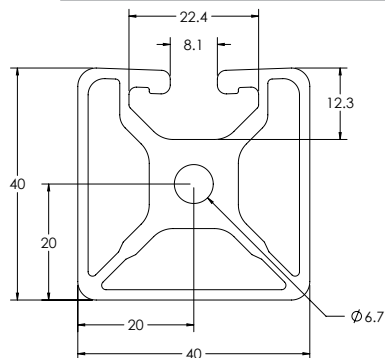


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40LM MONOSLOT

Clear Anodized - 650059



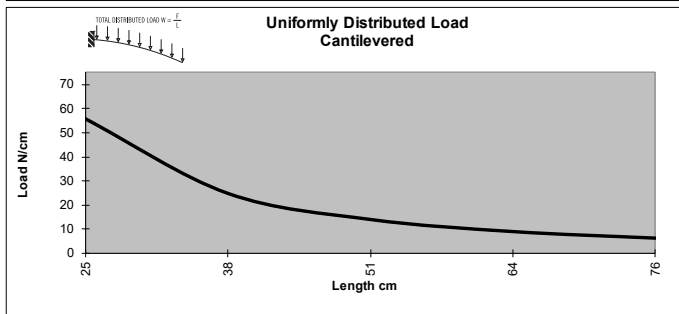
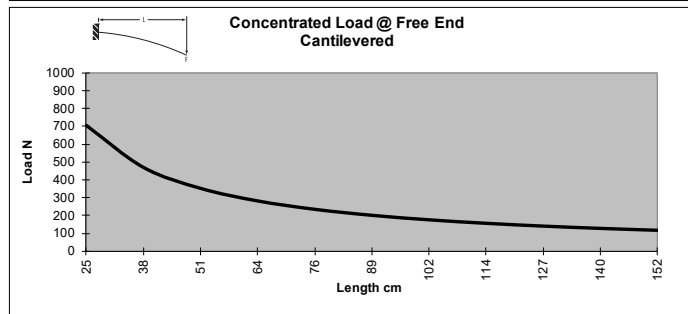
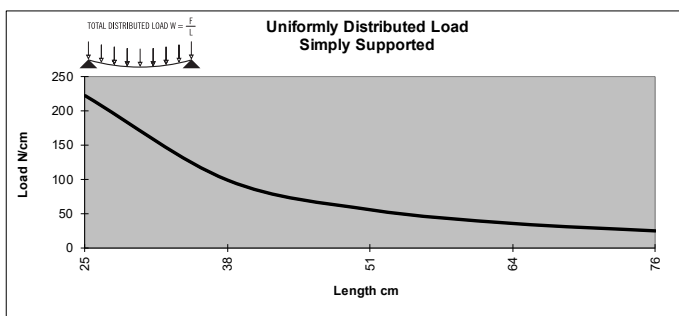
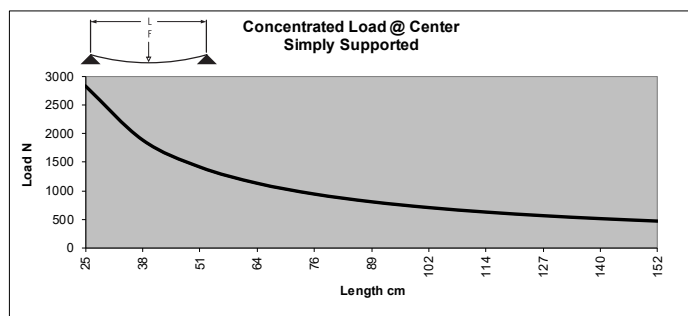
### SPECIFICATIONS

Length	.....	240" (6 m)
Weight	.....	1.145 lbs/ft (1.703 kg/m)
Estimated Area	.....	0.954 in <sup>2</sup> (6.154 cm <sup>2</sup> )
Moment of Inertia	.....	0.216 I <sub>x</sub> = in <sup>4</sup> (8.909 cm <sup>4</sup> )
	.....	0.212 I <sub>y</sub> = in <sup>4</sup> (8.824 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH



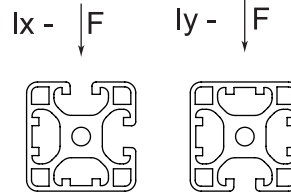
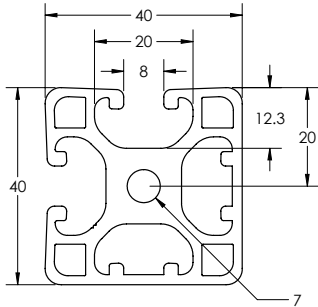
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-40LM BISLOT ADJ

Clear Anodized - 650052



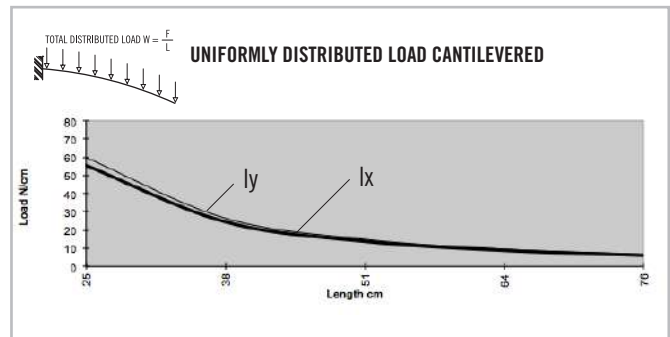
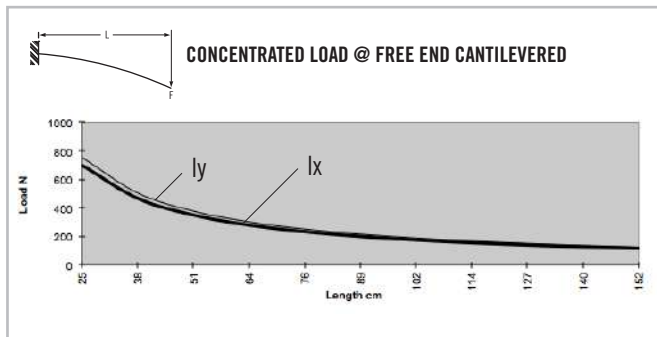
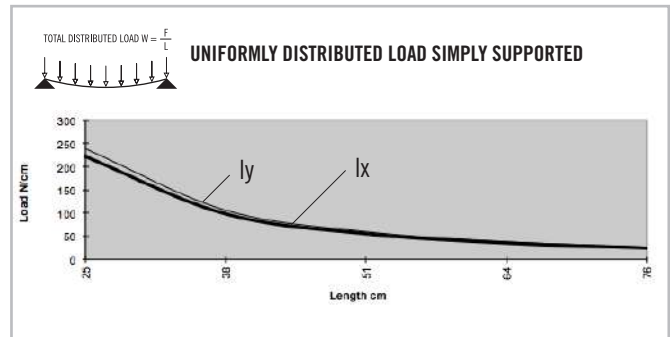
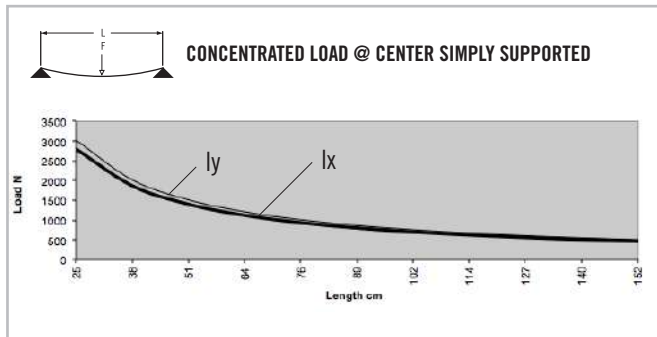
### SPECIFICATIONS

Length	.....	.240" (6 m)
Weight	.....	1.265 lbs/ft (1.887 kg/m)
Estimated Area	.....	1.057 in <sup>2</sup> (6.817 cm <sup>2</sup> )
Moment of Inertia	.....	$I_x=0.214 \text{ in}^4$ (8.900 cm <sup>4</sup> )
	.....	$I_y=0.231 \text{ in}^4$ (9.610 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH

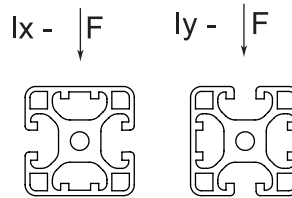
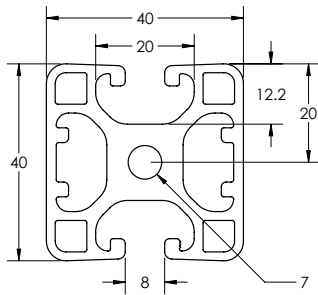


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-40LM BISLOT OPP

Clear Anodized - 650051



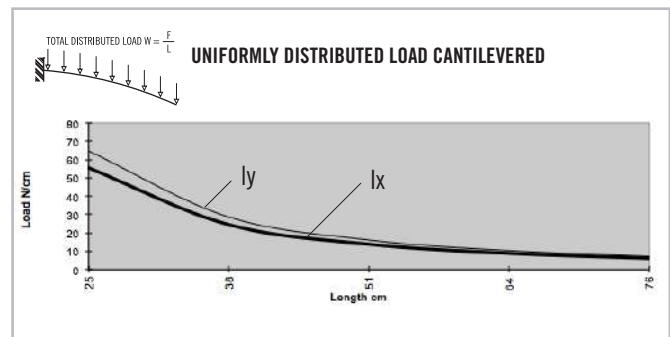
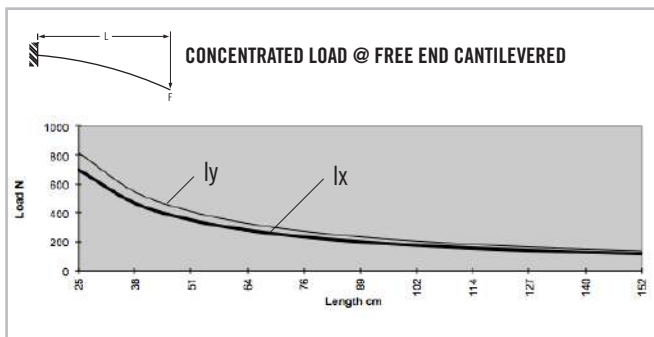
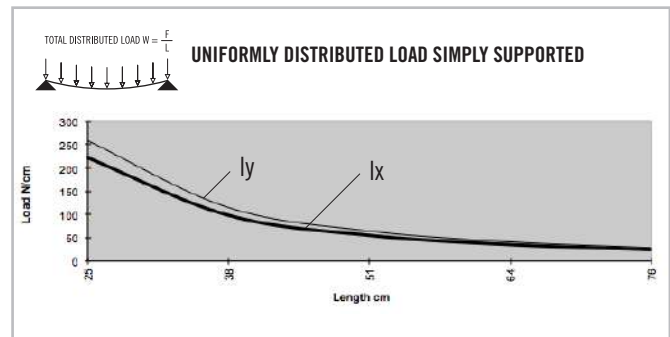
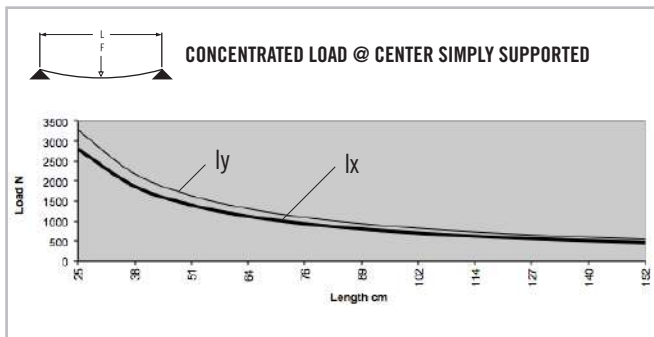
## SPECIFICATIONS

Length	.....	240" (6 m)
Weight	.....	1.267 lbs/ft (1.886 kg/m)
Estimated Area	.....	1.056 in <sup>2</sup> (6.816 cm <sup>2</sup> )
Moment of Inertia	.....	$I_x=0.214 \text{ in}^4$ (8.900 cm <sup>4</sup> )
	.....	$I_y=0.250 \text{ in}^4$ (10.427 cm <sup>4</sup> )

## MACHINING SERVICES

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

## BEAM SELECTION BY LOAD AND LENGTH



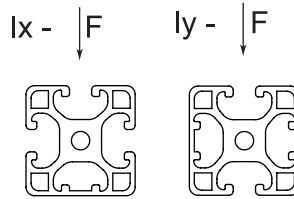
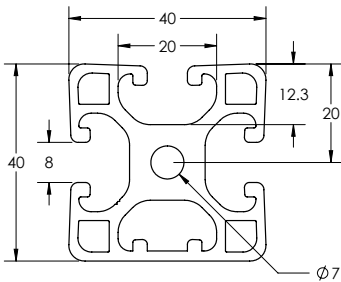
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-40LM TRISLOT

Clear Anodized - 650056



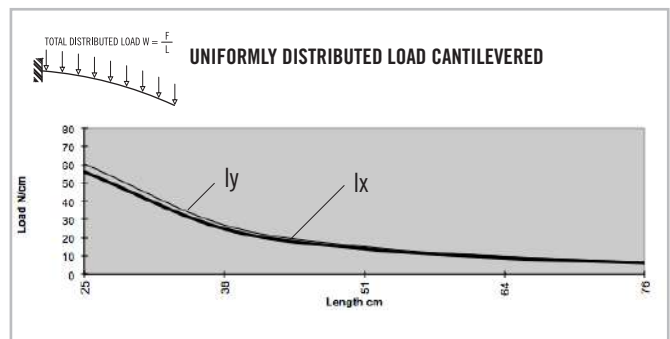
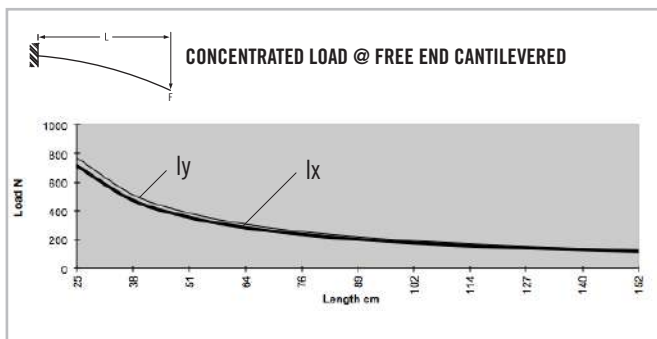
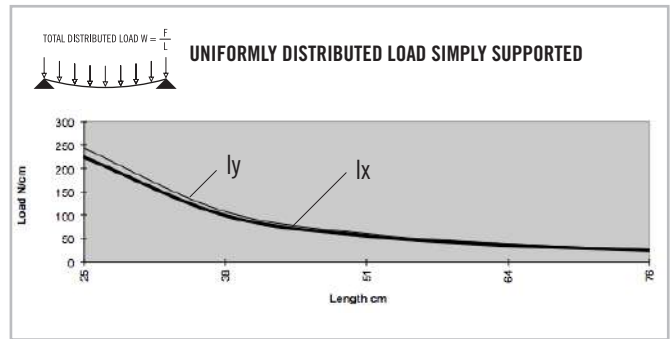
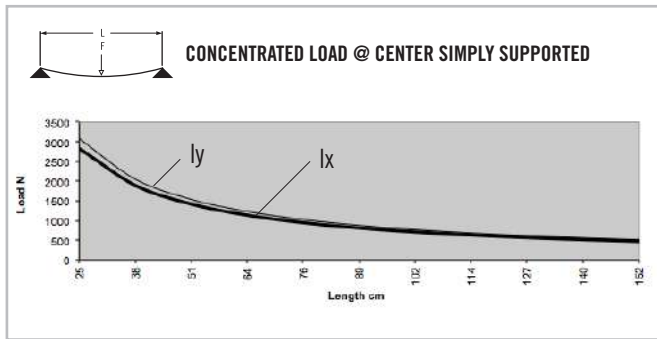
### SPECIFICATIONS

Length	.....	240" (6 m)
Weight	.....	1.228 lbs/ft (1.827 kg/m)
Estimated Area	.....	1.023 (6.600 cm <sup>2</sup> )
Moment of Inertia	.....	I <sub>x</sub> =0.217 in <sup>4</sup> (9.032 cm <sup>4</sup> ) I <sub>y</sub> =0.235 in <sup>4</sup> (9.781 cm <sup>4</sup> )

### MACHINING SERVICES

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

### BEAM SELECTION BY LOAD AND LENGTH

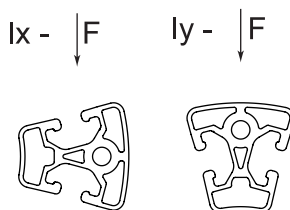
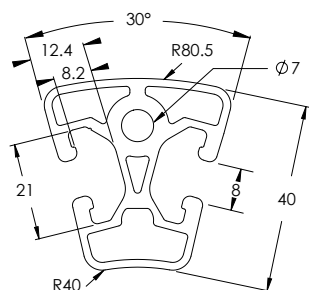


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40M 30 DEG.

Clear Anodized - 650074



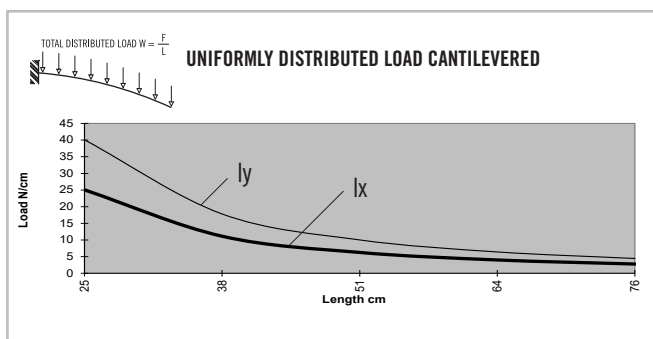
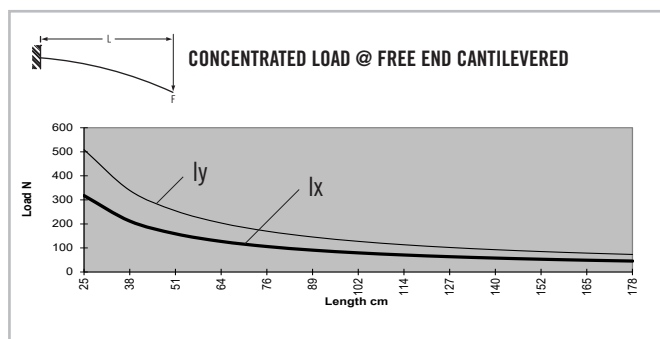
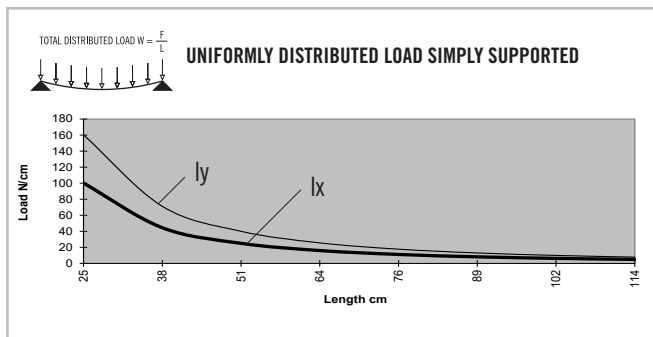
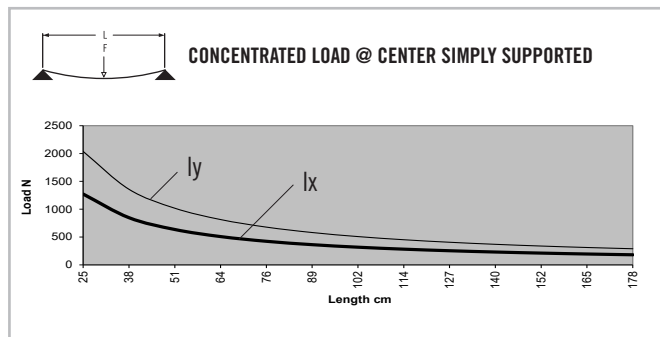
### SPECIFICATIONS

Length .....	240" (6 m)
Weight .....	0.892 lbs/ft (1.327 kg/m)
Estimated Area .....	0.743 in <sup>2</sup> (4.794 cm <sup>2</sup> )
Moment of Inertia .....	I <sub>x</sub> =0.114 in <sup>4</sup> (4.745 cm <sup>4</sup> )
	I <sub>y</sub> =0.165 in <sup>4</sup> (6.868 cm <sup>4</sup> )

### MACHINING SERVICES

CTL .....	660003
Tap 5/16 - 18 .....	660034
Tap M8 .....	660033

### BEAM SELECTION BY LOAD AND LENGTH



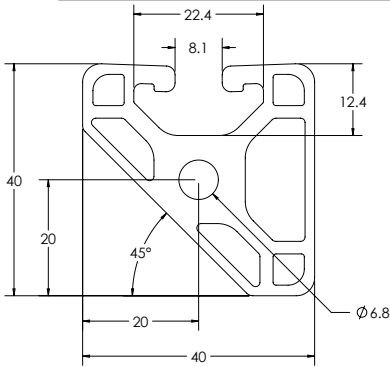
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-45LM MONOSLOT

Clear Anodized - 650057



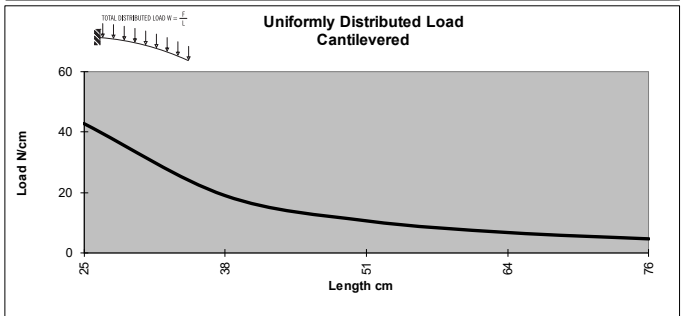
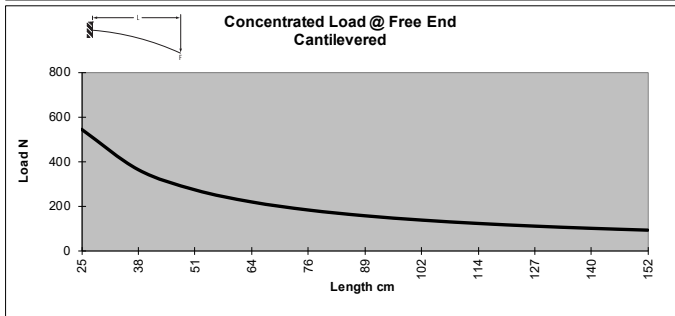
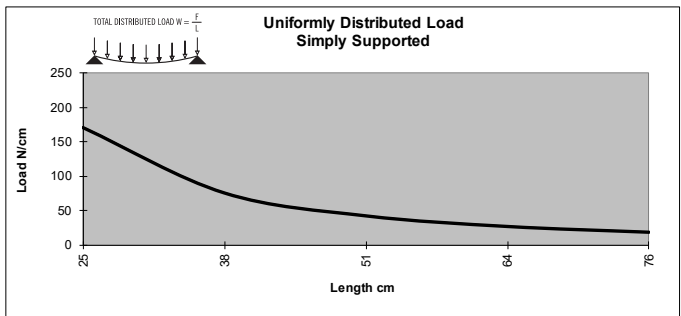
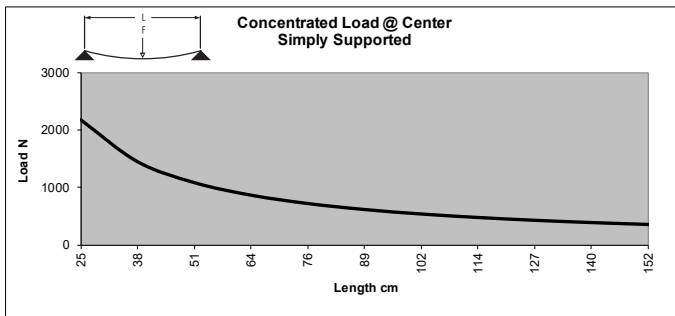
### SPECIFICATIONS

Length	144" (3.6 m)
Weight	1.058 lbs/ft (1.574 kg/m)
Estimated Area	0.881 in <sup>2</sup> (5.683 cm <sup>2</sup> )
Moment of Inertia	0.166 I <sub>x</sub> = in <sup>4</sup> (6.909 cm <sup>4</sup> )
	0.166 I <sub>y</sub> = in <sup>4</sup> (6.909 cm <sup>4</sup> )

### MACHINING SERVICES

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

## BEAM SELECTION BY LOAD AND LENGTH

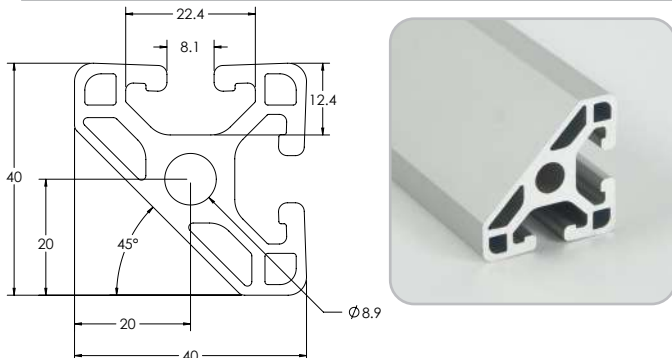


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-45LM BISLOT

Clear Anodized - 650058



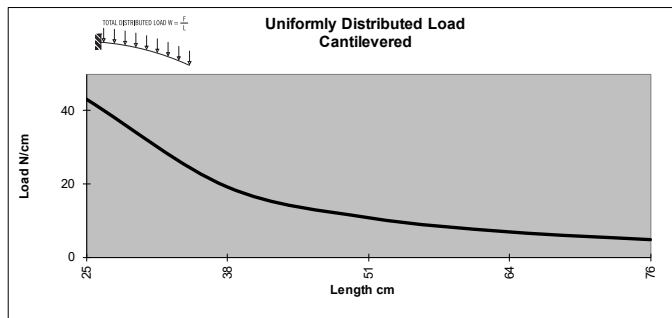
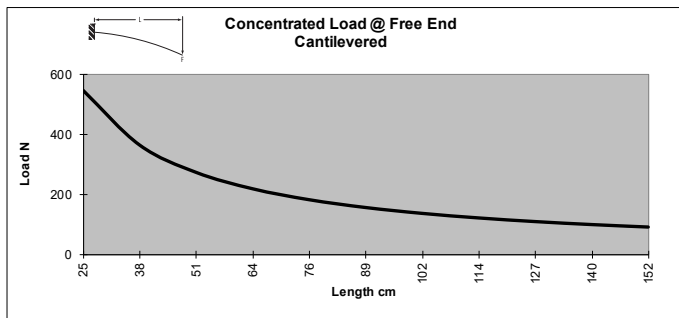
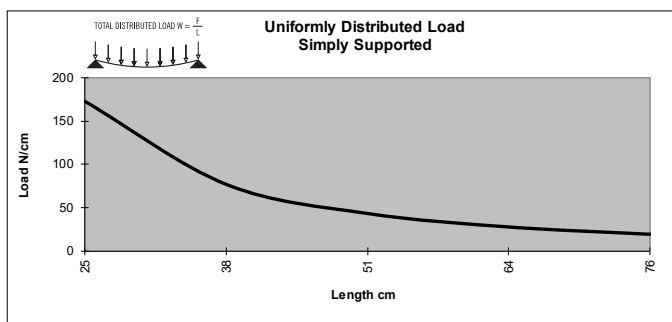
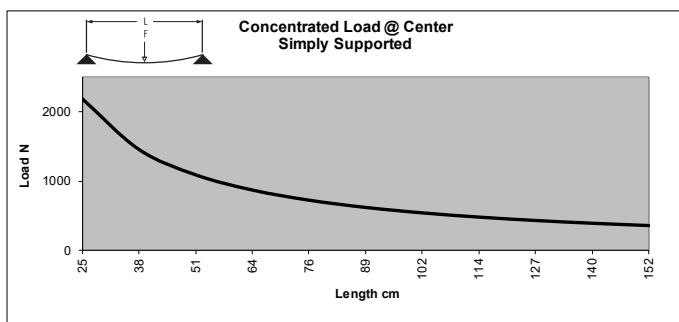
### SPECIFICATIONS

Length	.....	144" (3.36 m)
Weight	.....	1.058 lbs/ft (1.574 kg/m)
Estimated Area	.....	0.885 in <sup>2</sup> (5.709 cm <sup>2</sup> )
Moment of Inertia	.....	0.166 I <sub>x</sub> = in <sup>4</sup> (6.909 cm <sup>4</sup> )
	.....	0.166 I <sub>y</sub> = in <sup>4</sup> (6.909 cm <sup>4</sup> )

### MACHINING SERVICES

CTL	.....	660003
Single Access Hole	.....	660028
Single Anchor Fastener	.....	660020
Tap 3/8-16	.....	660009
Tap M10	.....	660121

### BEAM SELECTION BY LOAD AND LENGTH



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

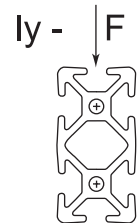
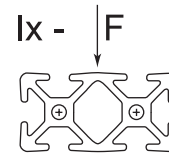
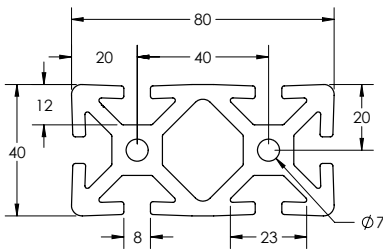
» For deflection equations see page 10



# Metric Extrusions

## TS40-80M

Clear Anodized - 650036  
Black Anodized - 650136



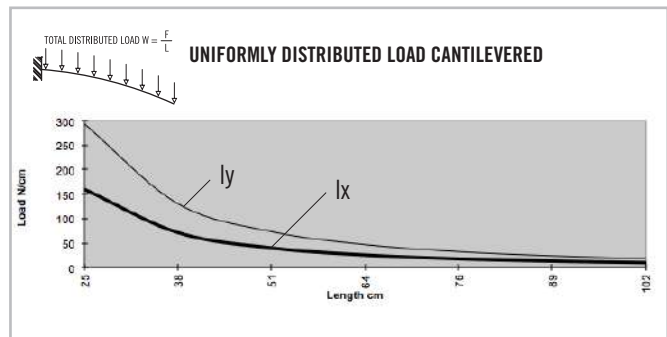
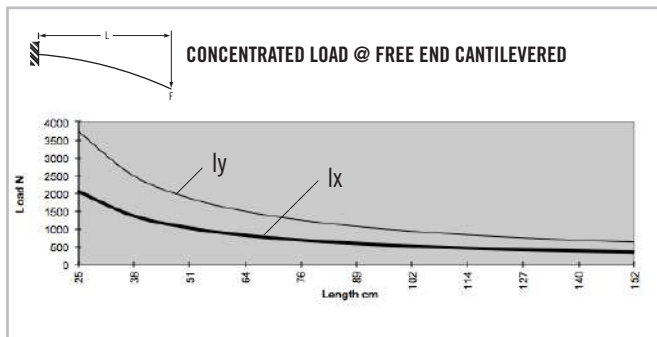
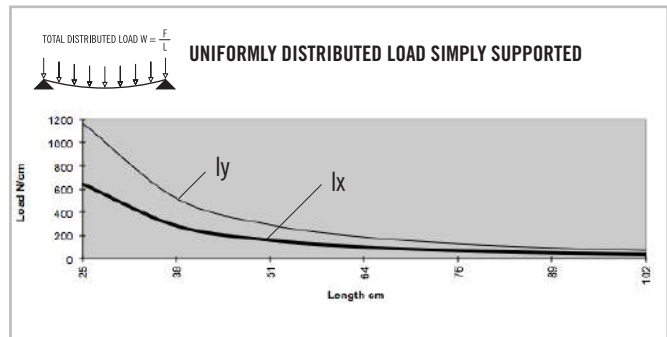
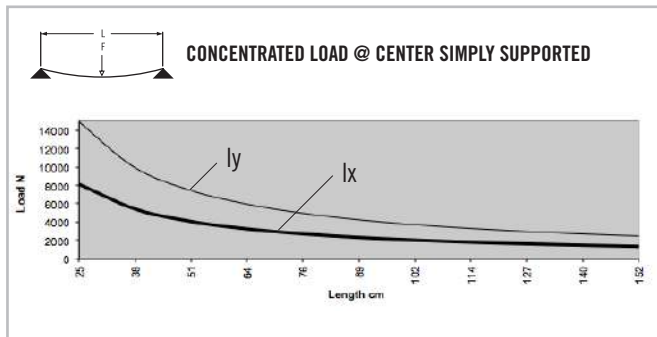
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.851 lbs/ft (4.243 kg/m)
Estimated Area	2.423 in <sup>2</sup> (15.632 cm <sup>2</sup> )
Moment of Inertia	$I_x = .621 \text{ in}^4$ (25.848 cm <sup>4</sup> ) $I_y = 2.271 \text{ in}^4$ (94.526 cm <sup>4</sup> )

### MACHINING 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

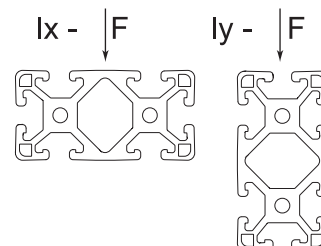
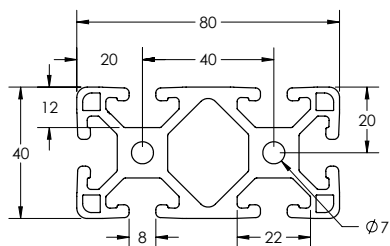


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-80LM

Clear Anodized - **650037**  
 Black Anodized - **650137**



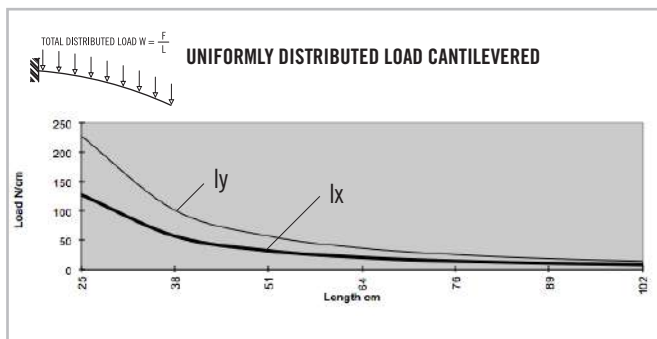
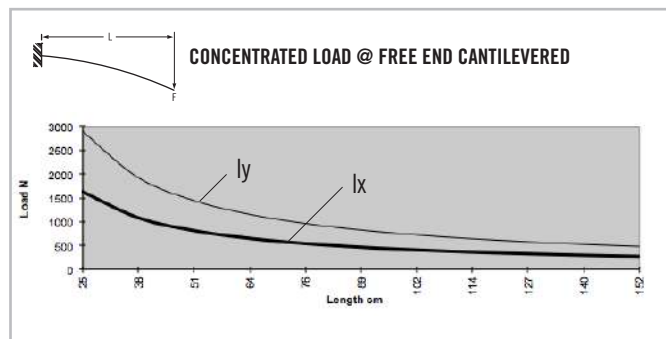
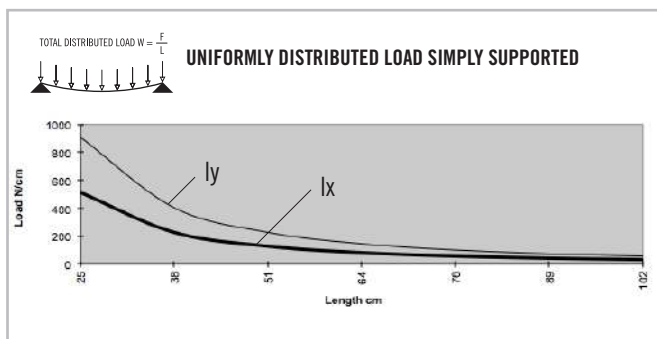
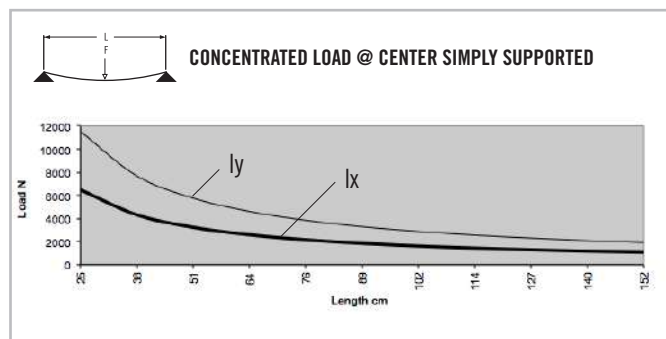
## SPECIFICATIONS

Length .....	240" (6 m)
Weight .....	2.352 lbs/ft (3.500 kg/m)
Estimated Area .....	2.021 in <sup>2</sup> (12.981 cm <sup>2</sup> )
Moment of Inertia .....	Ix=495 in <sup>4</sup> (20.603 cm <sup>4</sup> ) Iy=1.761 in <sup>4</sup> (73.298 cm <sup>4</sup> )

## MACHINING 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



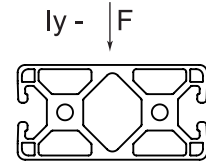
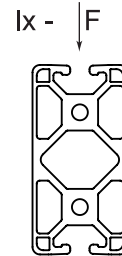
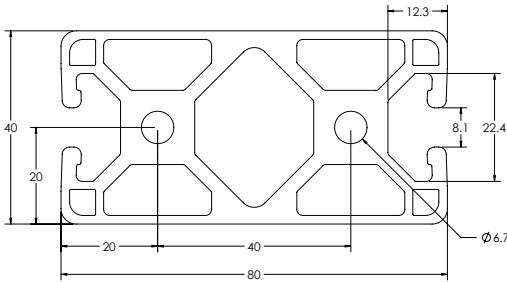
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80LM 2 SLOT BIOPP

Clear Anodized - 650066



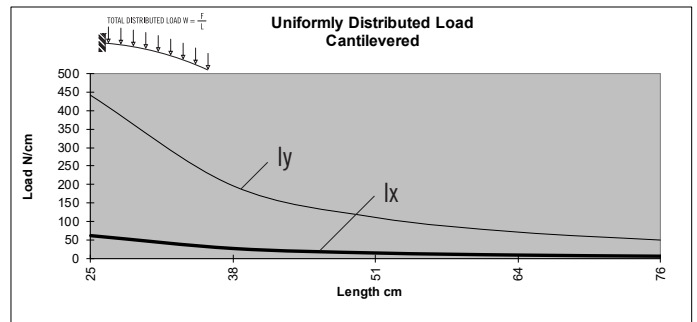
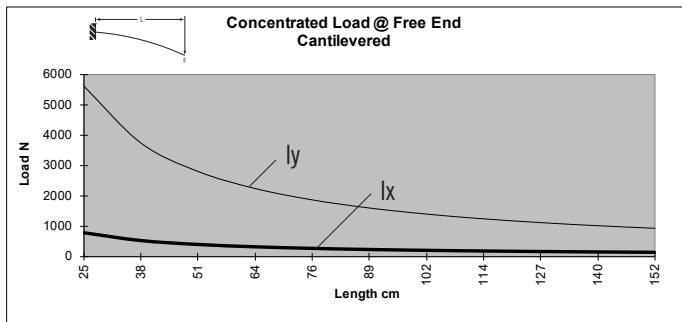
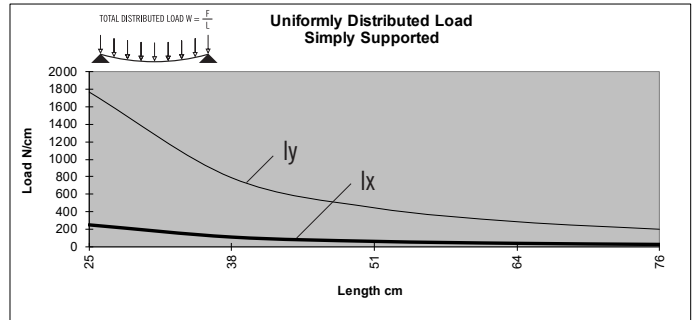
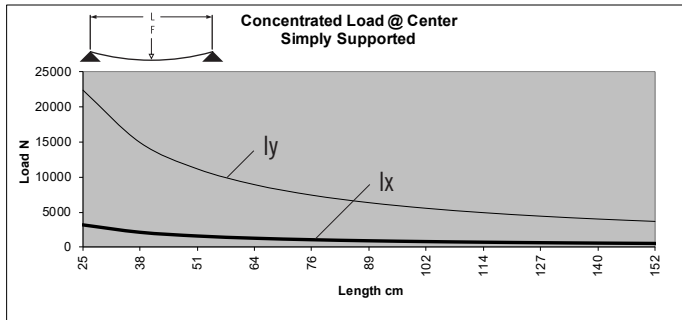
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.303 lbs/ft (3.427 kg/m)
Estimated Area	1.919 in <sup>2</sup> (12.380 cm <sup>2</sup> )
Moment of Inertia	0.479 I <sub>x</sub> = in <sup>4</sup> (19.937 cm <sup>4</sup> ) 1.712 I <sub>y</sub> = in <sup>4</sup> (71.258 cm <sup>4</sup> )

### MACHINING 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

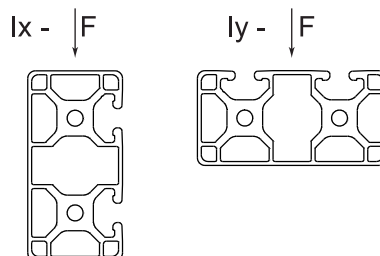
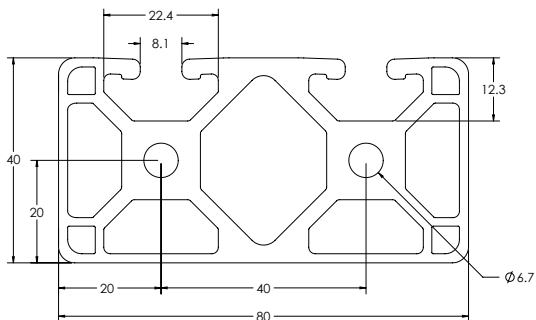


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-80LM 2 SLOT ADJ

Clear Anodized - 650068



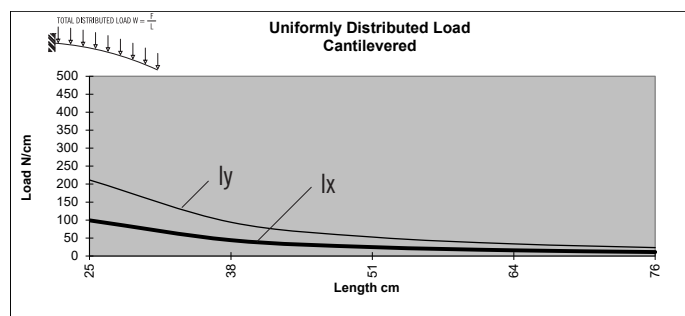
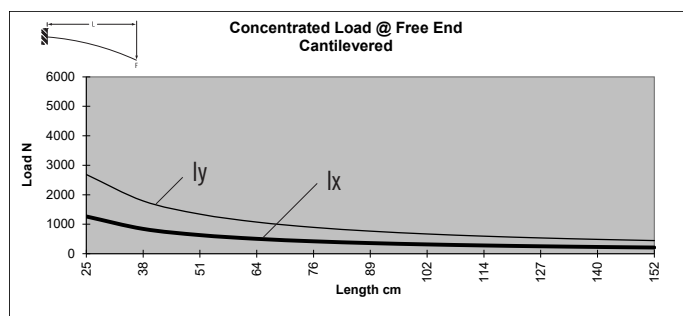
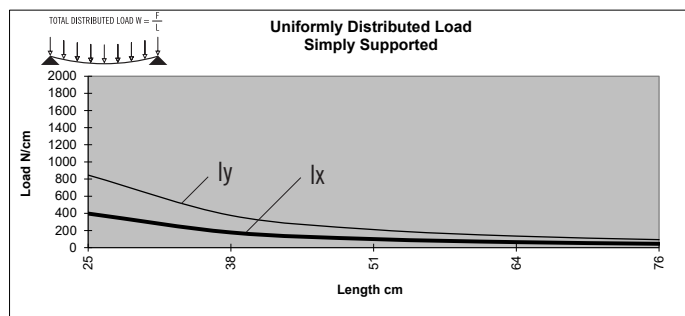
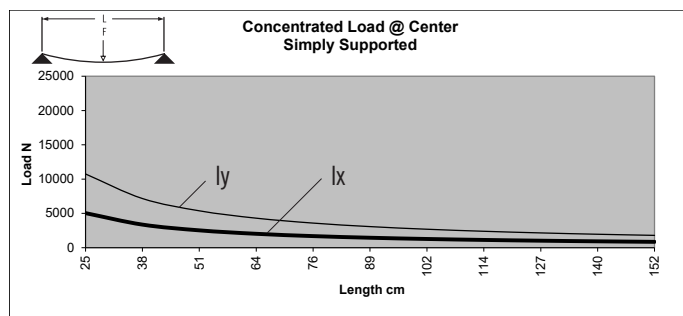
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.028 lbs/ft (3.018 kg/m)
Estimated Area	1.695 in <sup>2</sup> (10.935 cm <sup>2</sup> )
Moment of Inertia	0.389 I <sub>x</sub> = in <sup>4</sup> (16.191 cm <sup>4</sup> ) 1.639 I <sub>y</sub> = in <sup>4</sup> (68.220 cm <sup>4</sup> )

### MACHINING 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



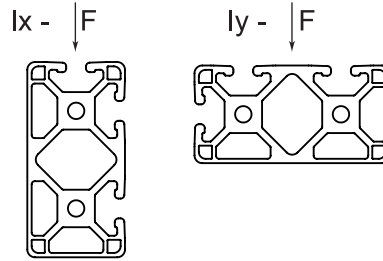
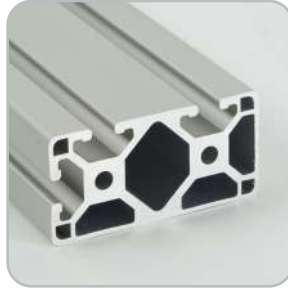
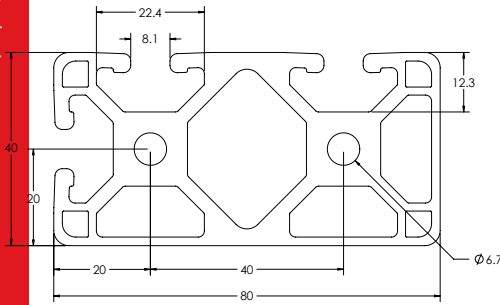
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80LM 3 SLOT BIAD

Clear Anodized - 650065



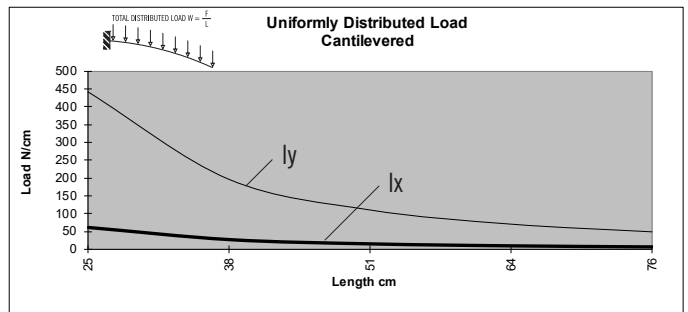
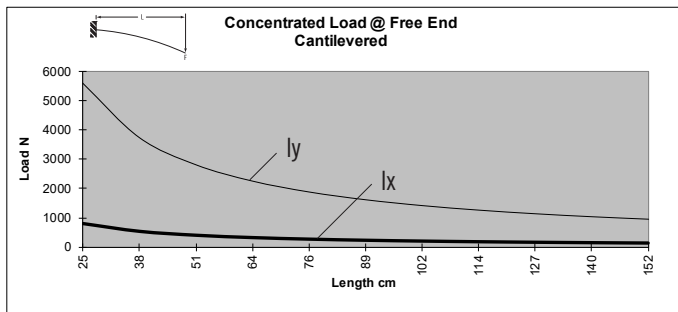
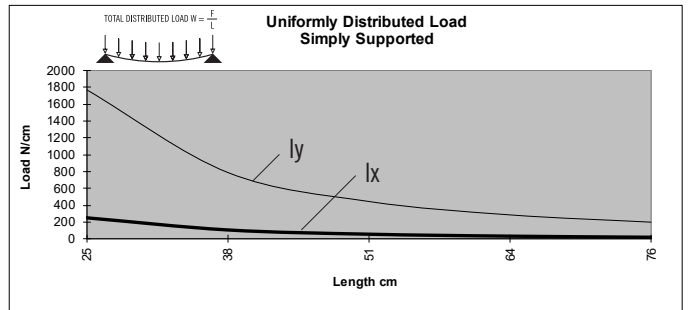
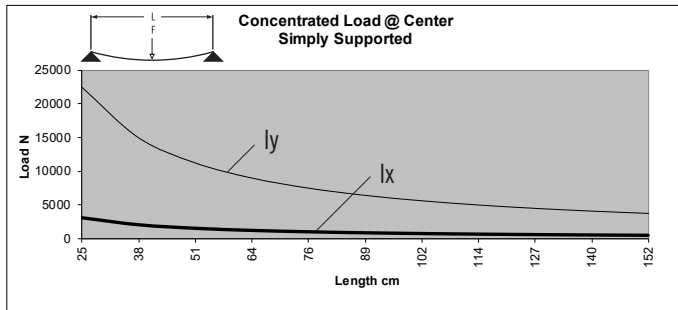
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.318 lbs/ft (3.449 kg/m)
Estimated Area	1.932 in <sup>2</sup> (12.464 cm <sup>2</sup> )
Moment of Inertia	0.481 I <sub>x</sub> = in <sup>4</sup> (20.020 cm <sup>4</sup> ) 1.713 I <sub>y</sub> = in <sup>4</sup> (71.300 cm <sup>4</sup> )

### MACHINING 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

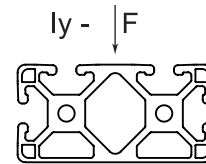
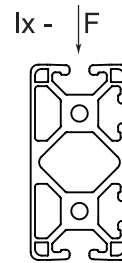
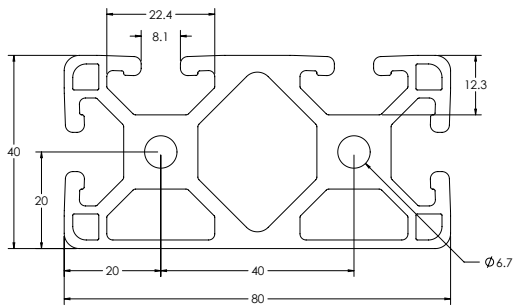


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-80LM 4 SLOT

Clear Anodized - 650067



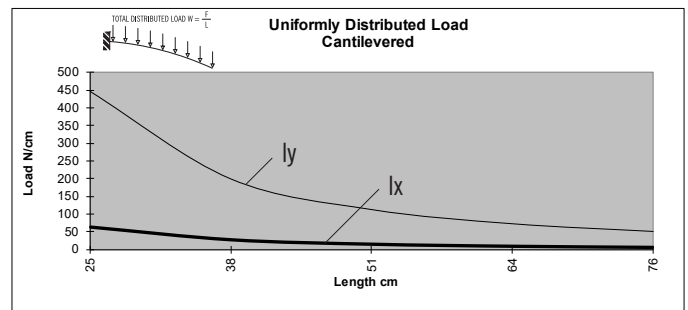
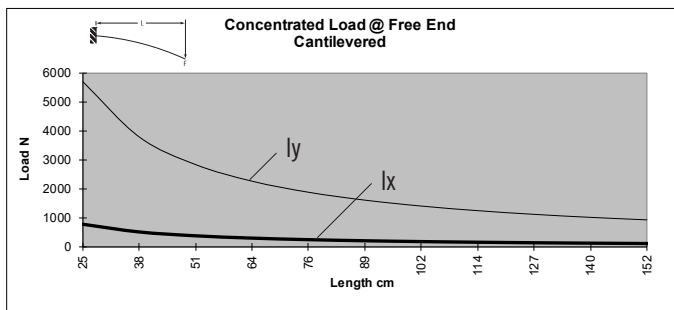
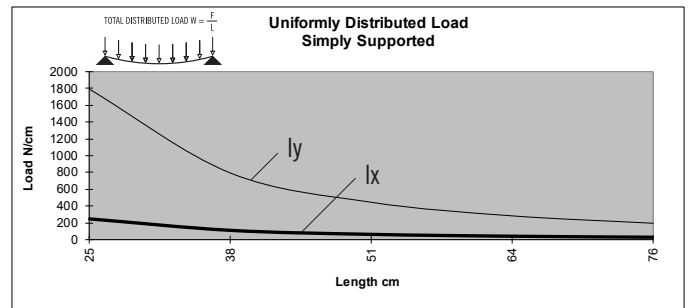
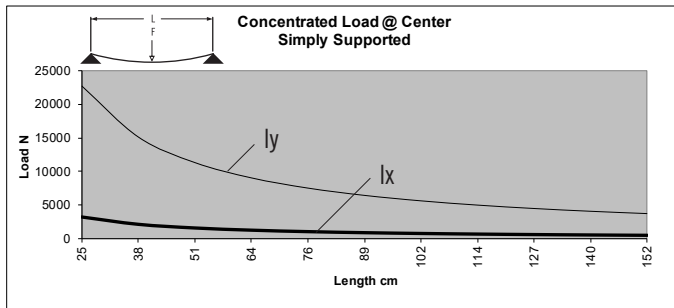
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.333 lbs/ft (3.471 kg/m)
Estimated Area	1.944 in <sup>2</sup> (12.541 cm <sup>2</sup> )
Moment of Inertia	0.484 I <sub>x</sub> = in <sup>4</sup> (20.145 cm <sup>4</sup> ) 1.733 I <sub>y</sub> = in <sup>4</sup> (72.132 cm <sup>4</sup> )

### MACHINING 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



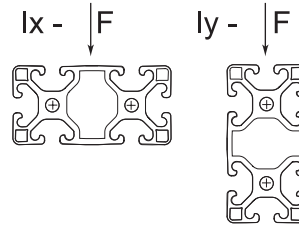
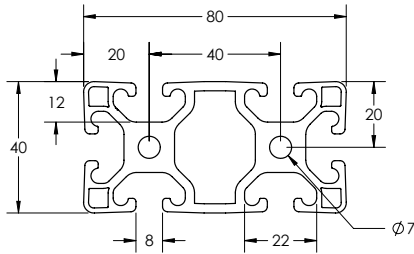
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80VLM

Clear Anodized - 650038



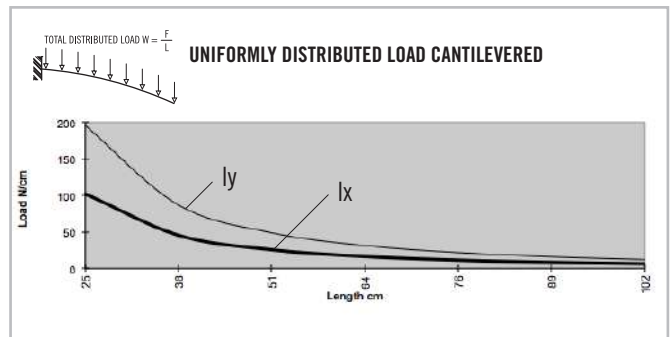
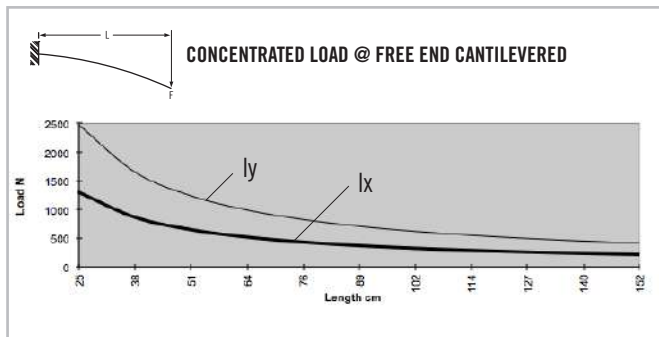
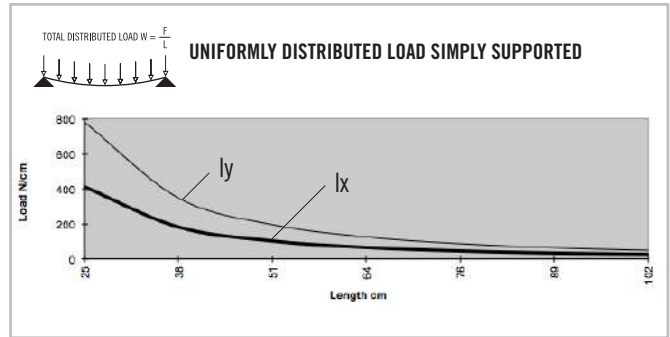
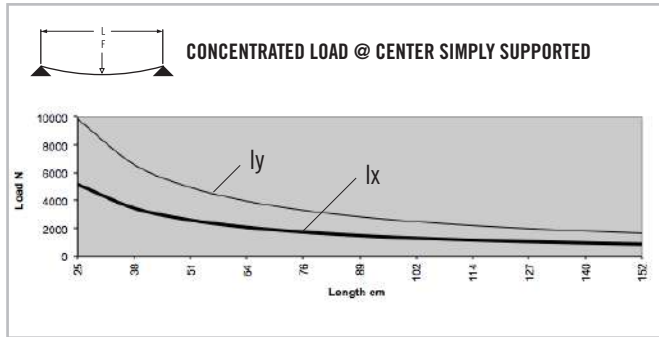
### SPECIFICATIONS

Length	240" (6 m)
Weight	2.082 lbs/ft (3.098 kg/m)
Estimated Area	1.661 in <sup>2</sup> (10.716 cm <sup>2</sup> )
Moment of Inertia	lx=.396 in <sup>4</sup> (16.48 cm <sup>4</sup> ) ly=1.513 in <sup>4</sup> (62.98 cm <sup>4</sup> )

### MACHINING 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

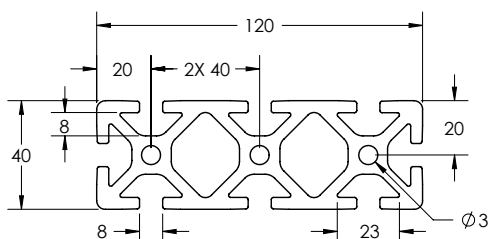


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-120M

Clear Anodized - **650022**  
 Black Anodized - **650122**



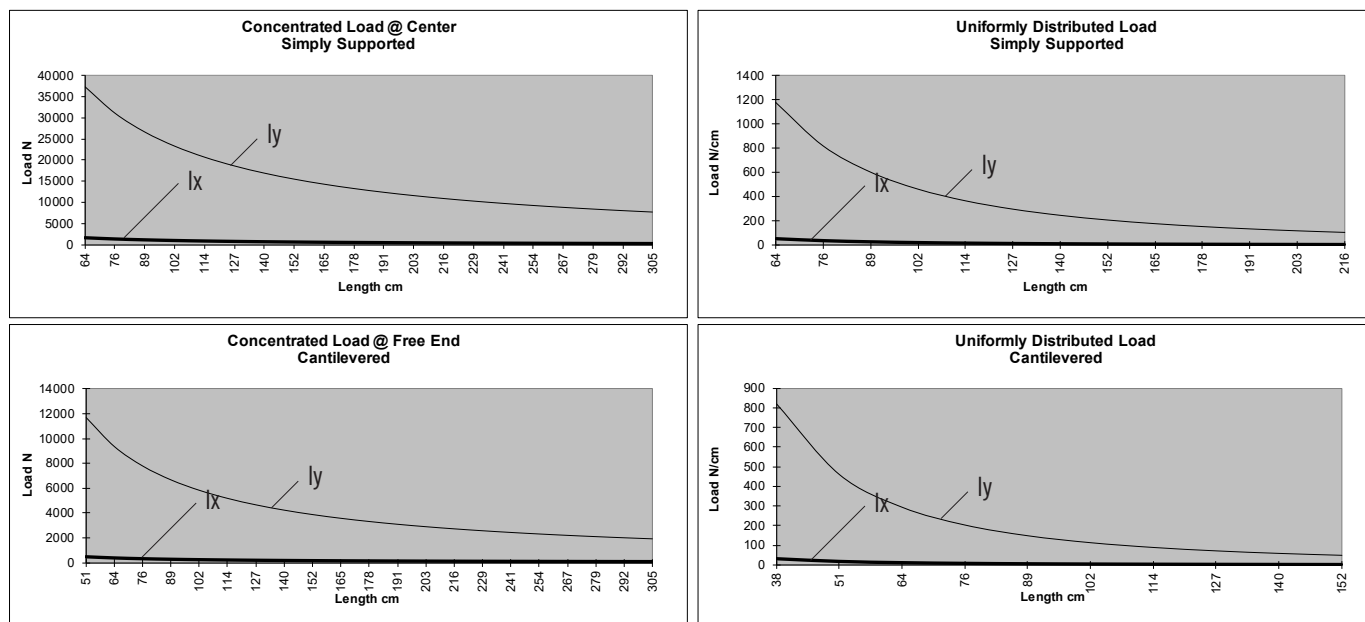
## SPECIFICATIONS

Length	240" (6 m)
Weight	4.130 lbs/ft (6.146 kg/m)
Estimated Area	3.442 in <sup>2</sup> (22.206 cm <sup>2</sup> )
Moment of Inertia	$I_x = .879 \text{ in}^4$ (36.586 cm <sup>4</sup> ) $I_y = 7.132 \text{ in}^4$ (296.85 cm <sup>4</sup> )

## MACHINING 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.

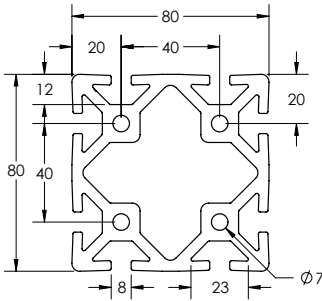
» For deflection equations see page 10



# Metric Extrusions

## TS80-80M

Clear Anodized - **650039**  
 Black Anodized - **650139**



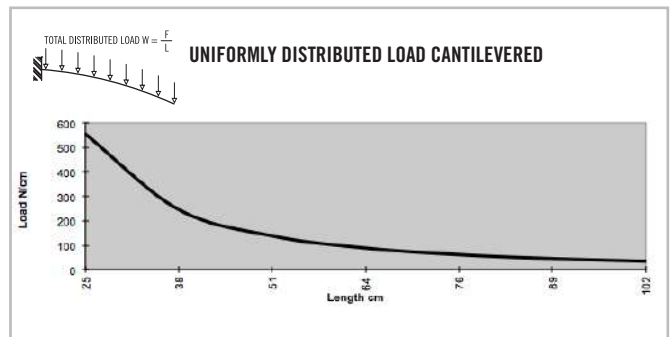
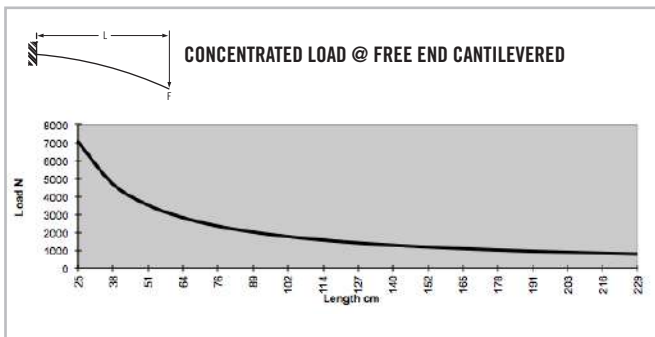
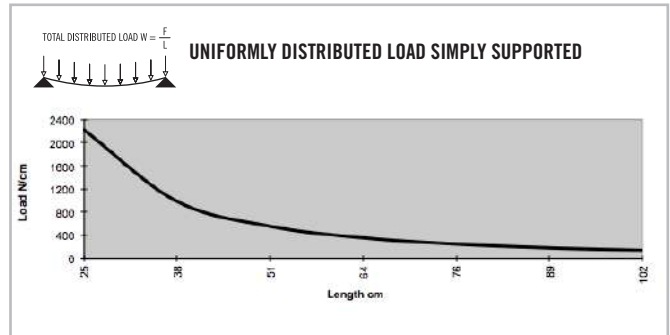
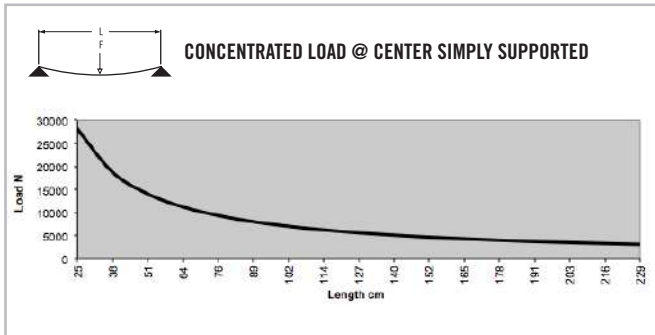
### SPECIFICATIONS

Length	240" (6 m)
Weight	4.488 lbs/ft (6.679 kg/m)
Estimated Area	4.006 in <sup>2</sup> (25.845 cm <sup>2</sup> )
Moment of Inertia	$I_x=4.289 \text{ in}^4$ (178.522 cm <sup>4</sup> ) $I_y=4.289 \text{ in}^4$ (178.522 cm <sup>4</sup> )

### MACHINING 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

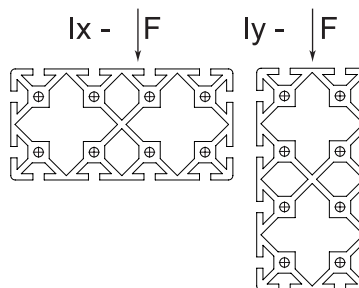
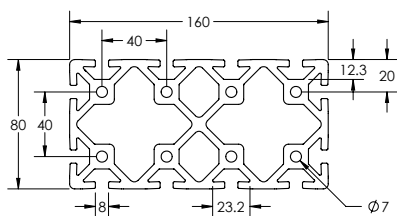


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS80-160M

Clear Anodized - 650064



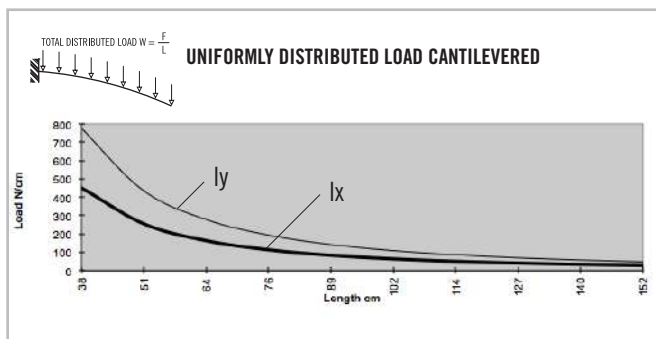
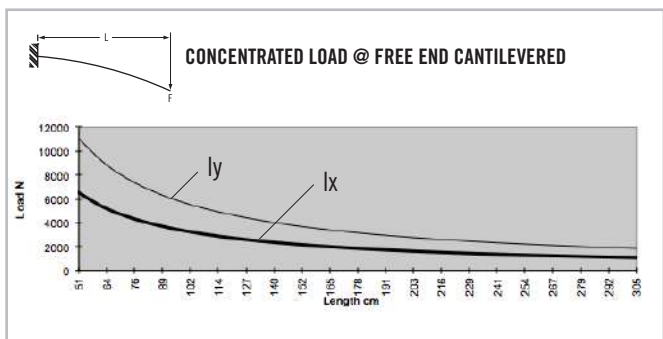
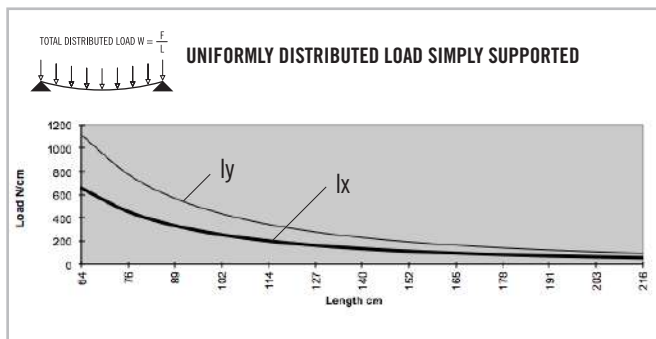
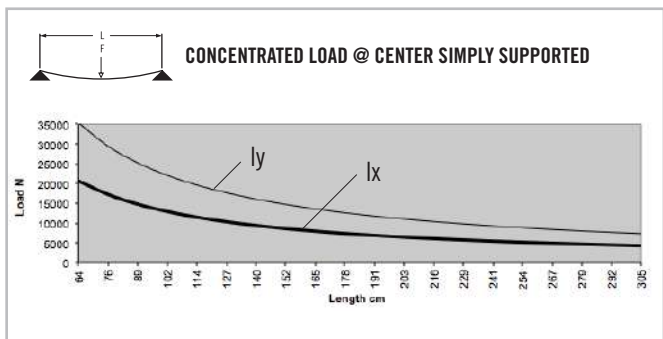
## SPECIFICATIONS

Length	145" (3 m)
Weight	8.384 lbs/ft (12.477 kg/m)
Estimated Area	6.987 in <sup>2</sup> (45.077 cm <sup>2</sup> )
Moment of Inertia	$I_x=7.901 \text{ in}^4$ (328.864 cm <sup>4</sup> ) $I_y=26.973 \text{ in}^4$ (1112.701 cm <sup>4</sup> )

## MACHINING SERVICES

CTL	660008
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660012
Tap M8	660014

## 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