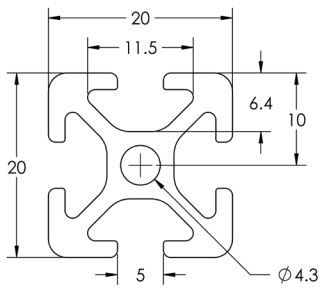


# Metric Extrusions

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

## TS20-20M



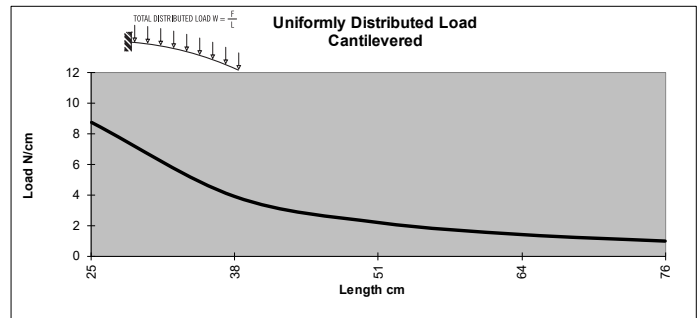
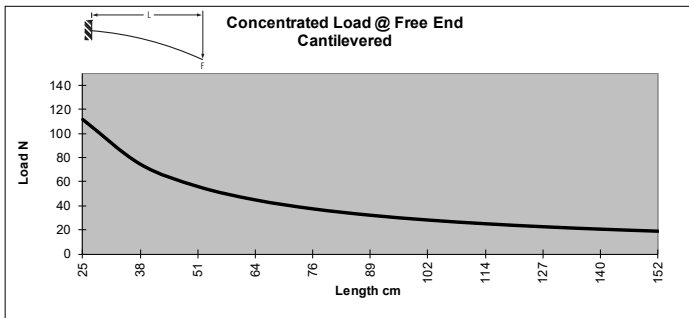
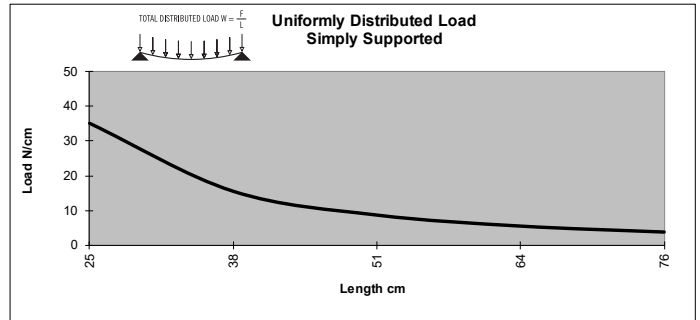
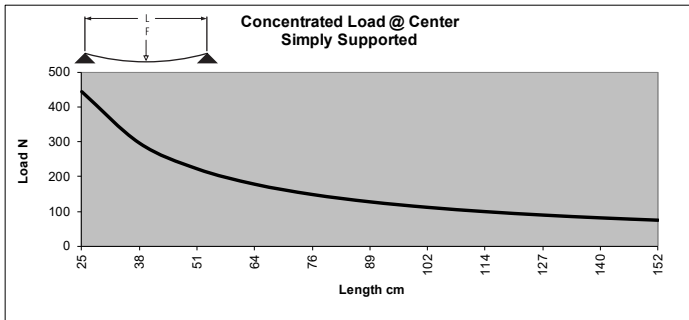
### SPECIFICATIONS

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

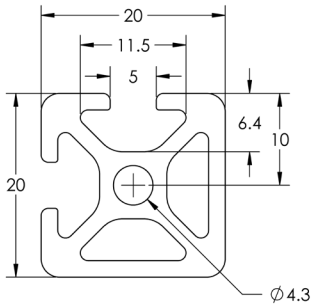


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS20-20M BISLOT AD

Clear Anodized - 650049



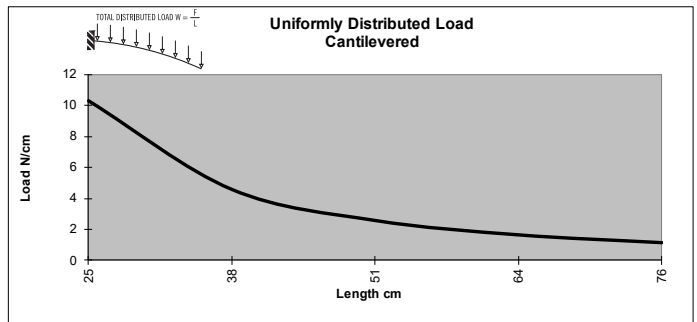
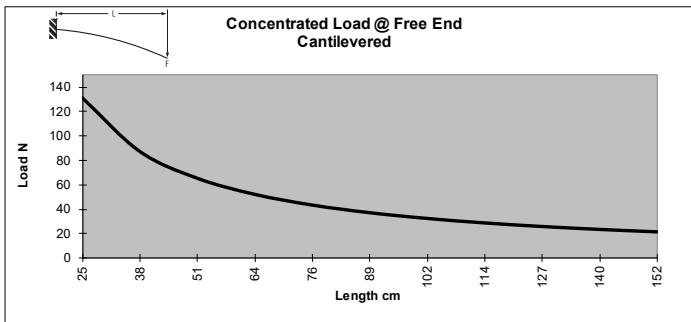
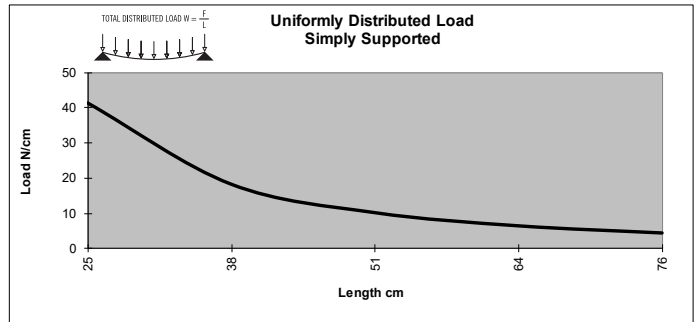
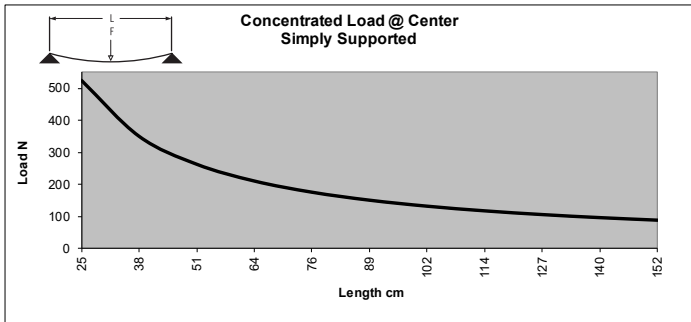
### SPECIFICATIONS

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



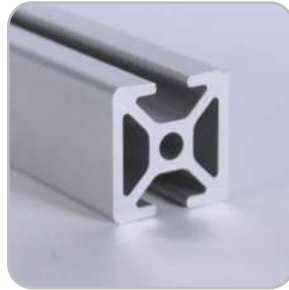
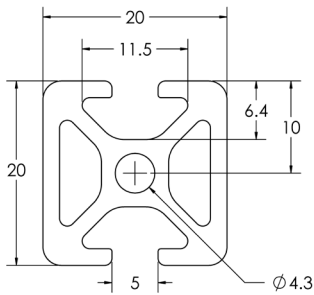
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS20-20M BISLOT OPP

Clear Anodized - 650050



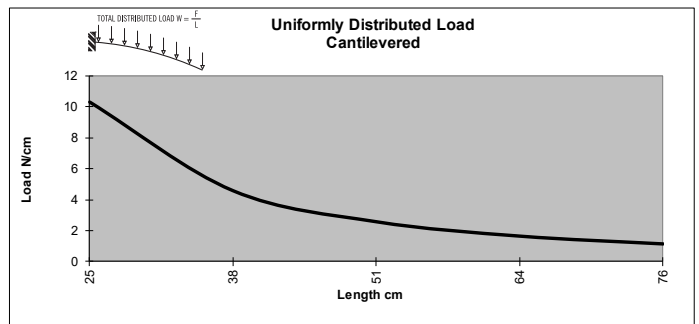
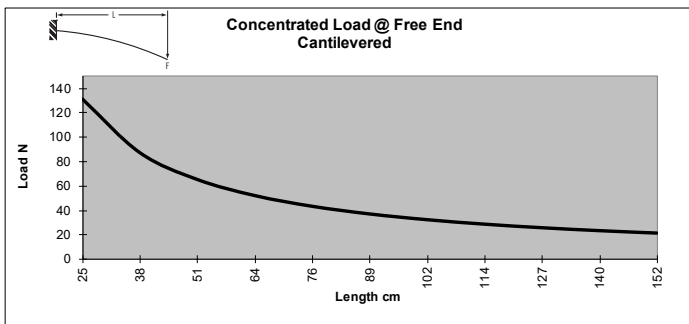
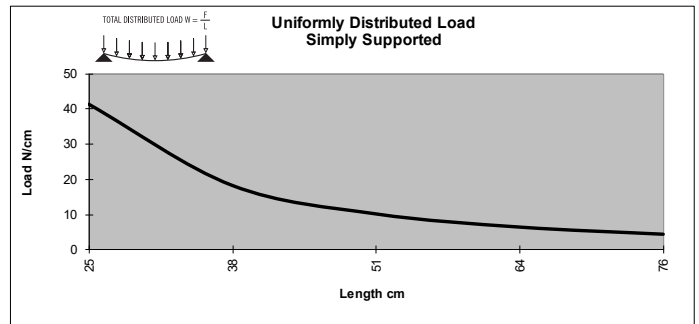
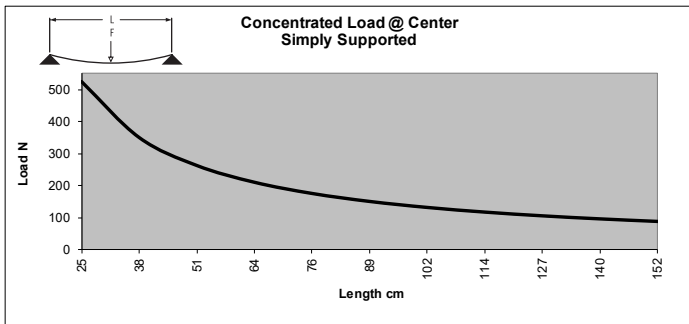
### SPECIFICATIONS

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

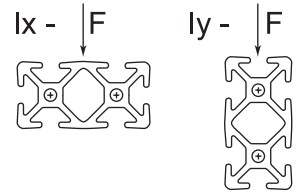
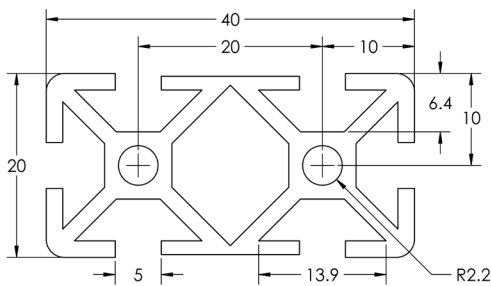


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS20-40M

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



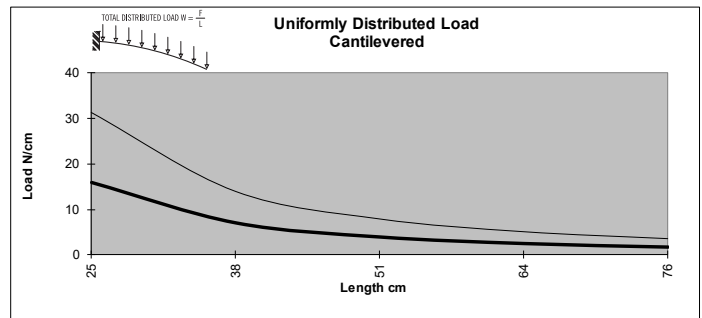
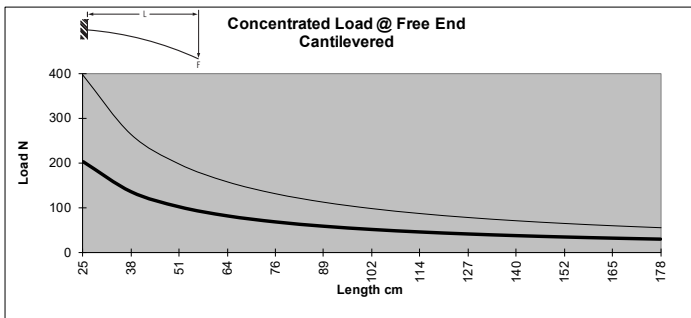
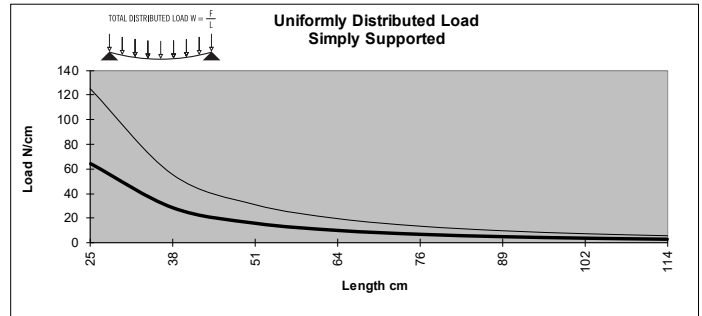
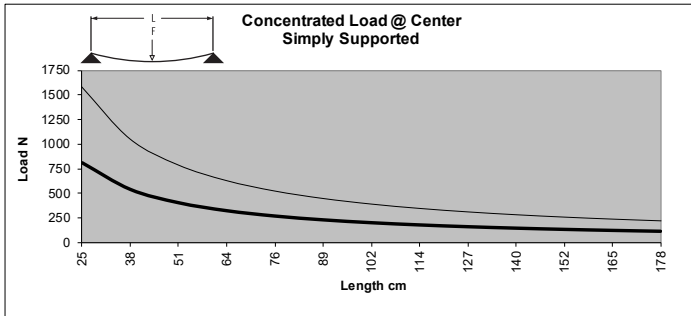
## SPECIFICATIONS

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



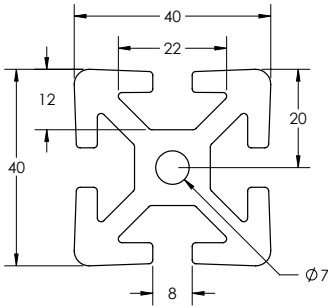
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

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

## TS40-40M



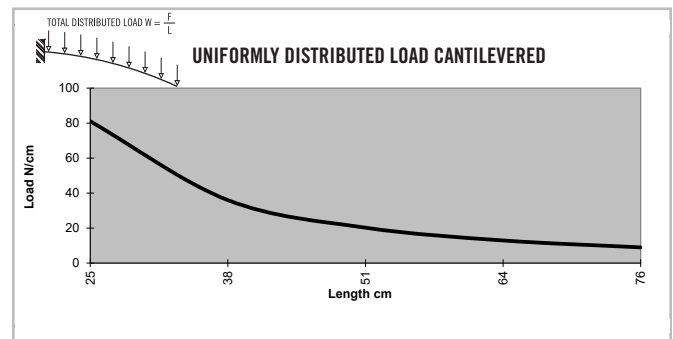
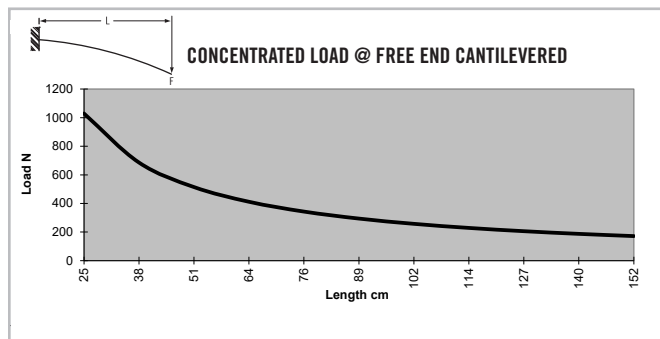
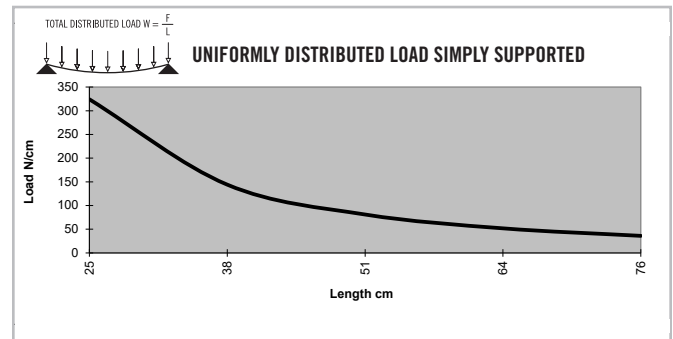
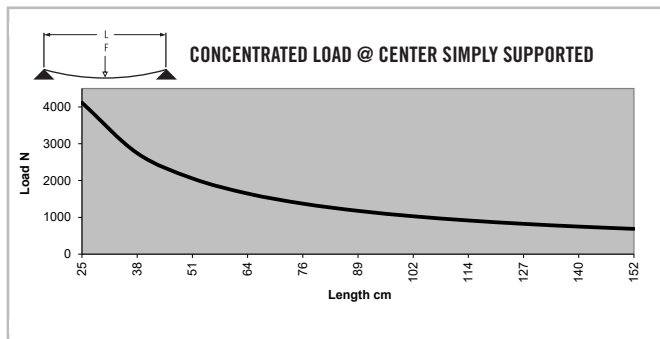
### SPECIFICATIONS

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 <sub>x</sub> =.314 in <sup>4</sup> (13.063 cm <sup>4</sup> ) I <sub>y</sub> =.314 in <sup>4</sup> (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

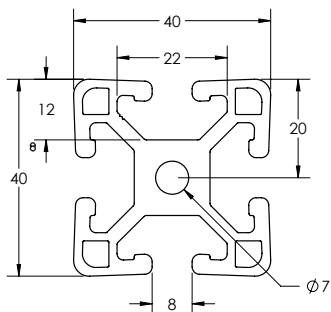


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40LM

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



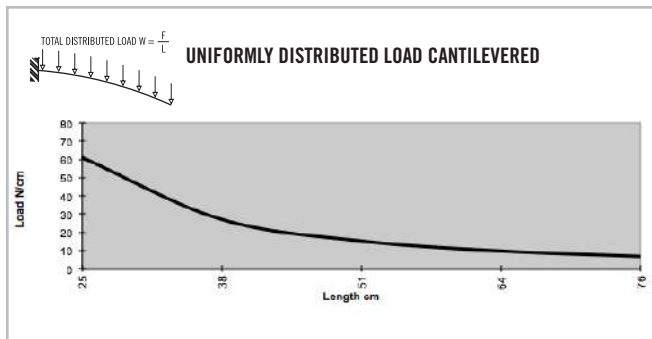
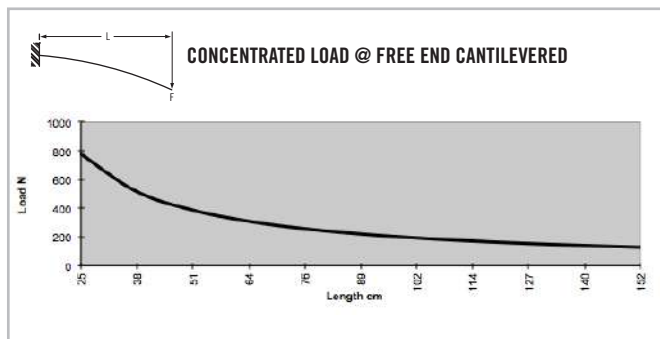
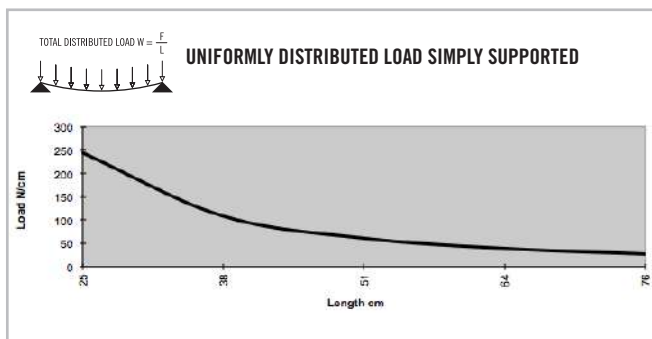
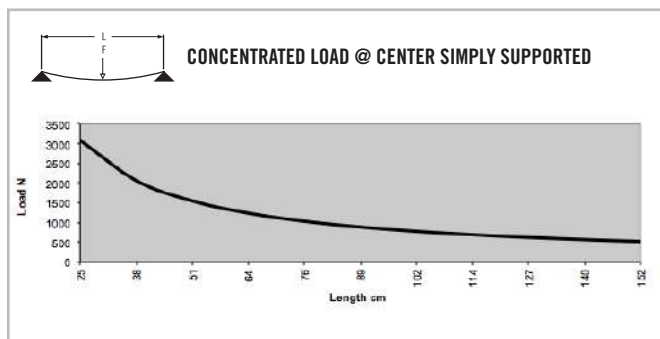
### SPECIFICATIONS

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.

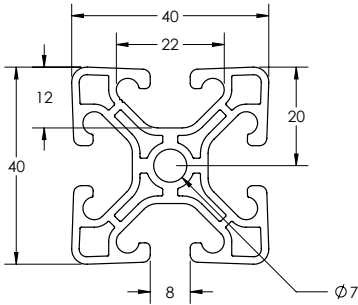
» For deflection equations see page 10

# Metric Extrusions

## TS40-40VLM

Clear Anodized - **650034**

Black Anodized - **650134**



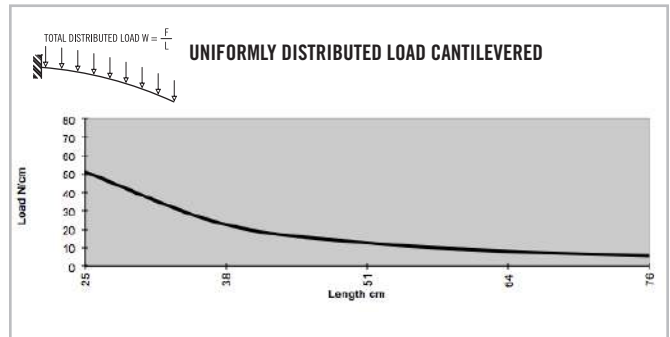
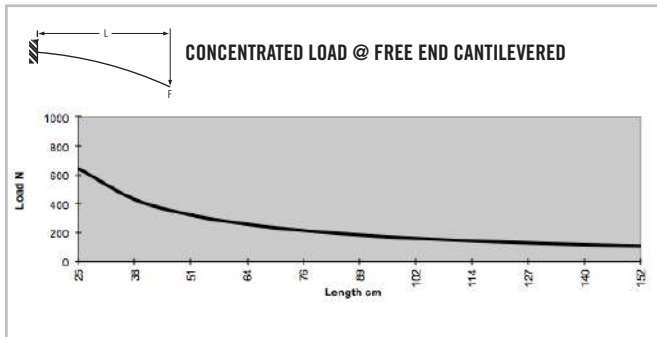
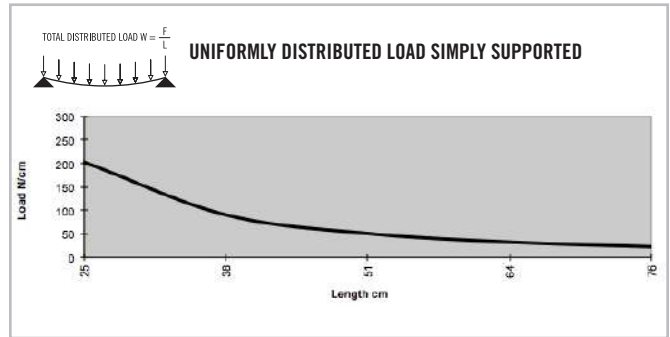
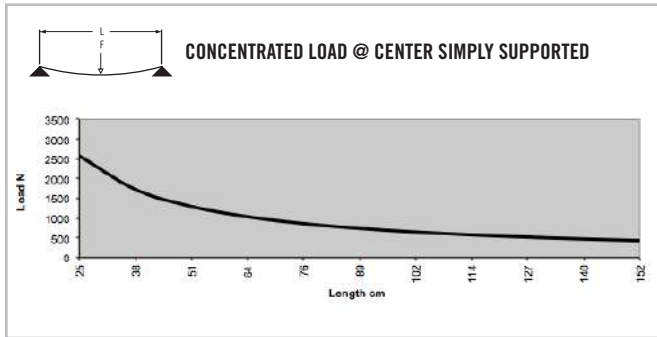
### SPECIFICATIONS

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

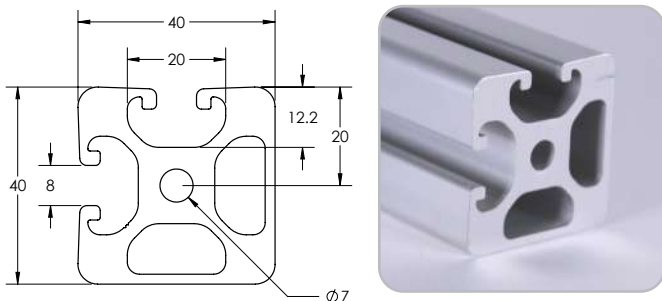


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40M BISLOT ADJ

Clear Anodized - 650055



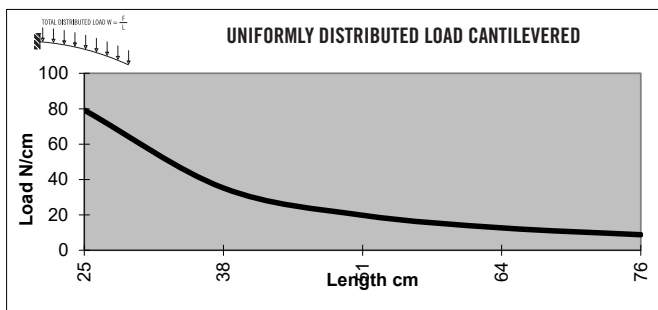
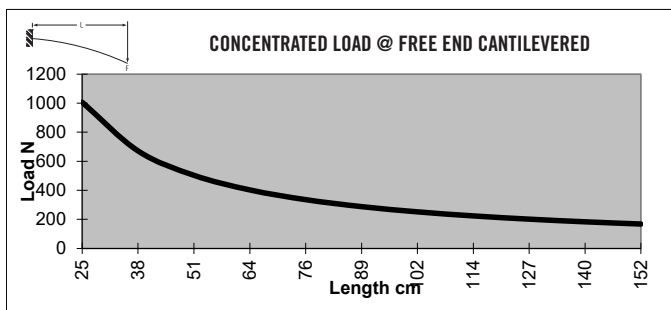
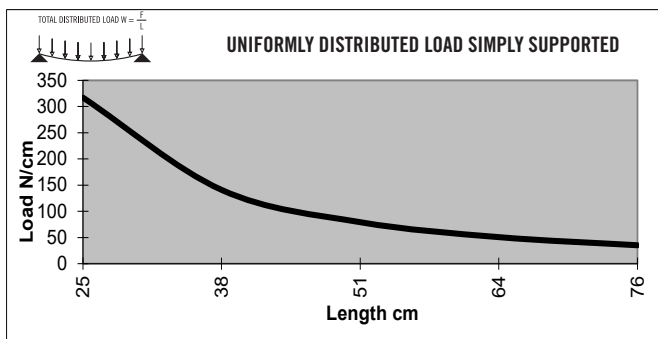
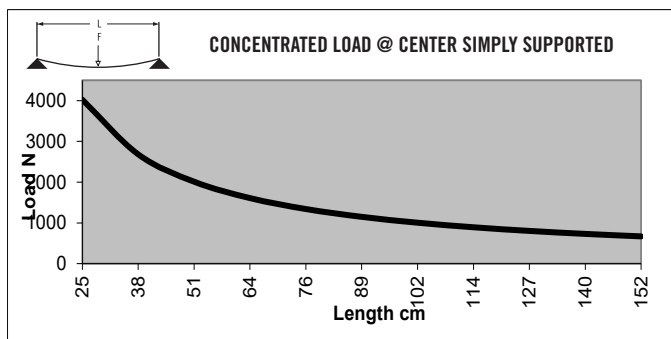
### SPECIFICATIONS

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.

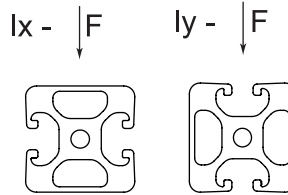
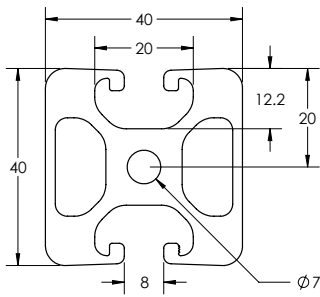
» For deflection equations see page 10



# Metric Extrusions

## TS40-40M BISLOT OPP

Clear Anodized - 650054



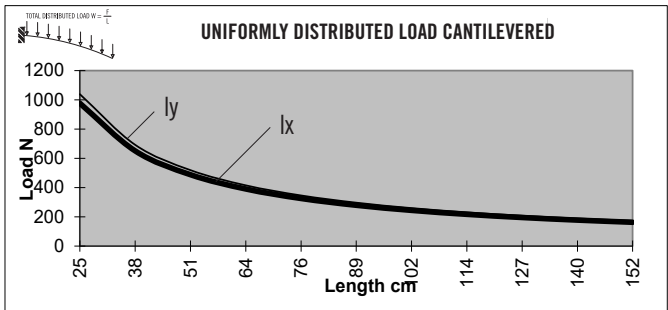
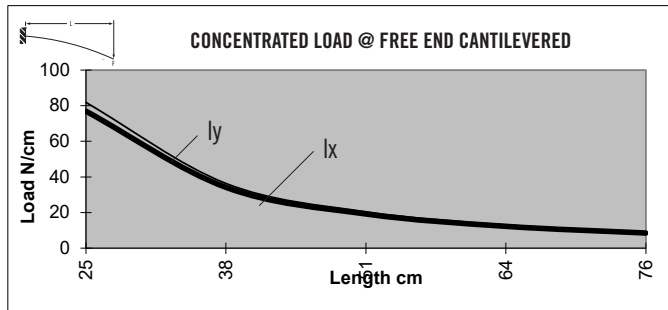
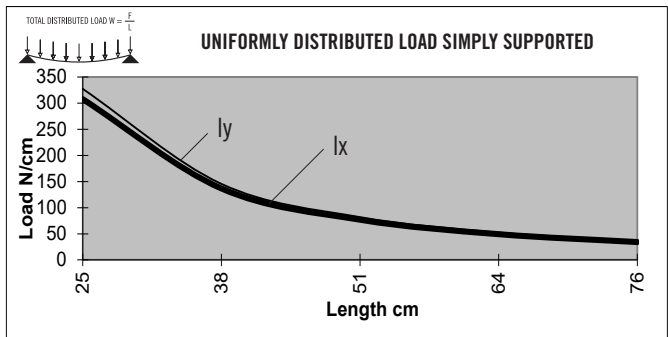
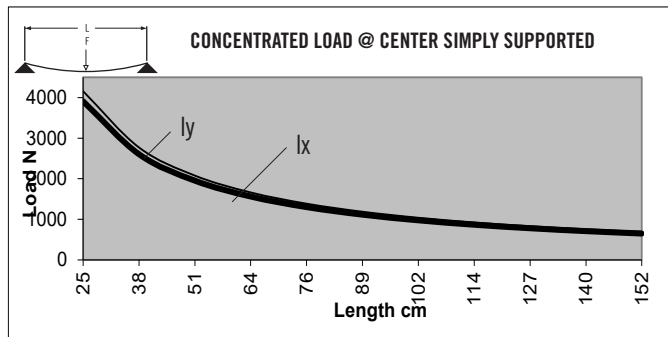
### SPECIFICATIONS

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 .....	lx=.298 in <sup>4</sup> (12.407 cm <sup>4</sup> )
	ly=.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

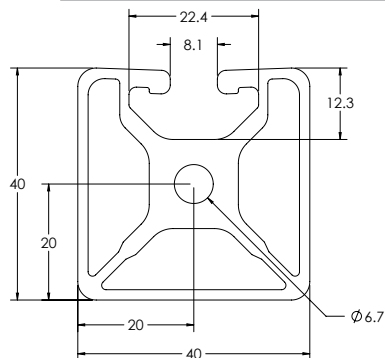


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40LM MONOSLOT

Clear Anodized - 650059



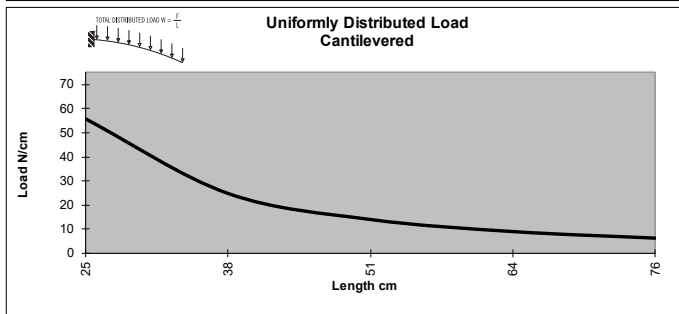
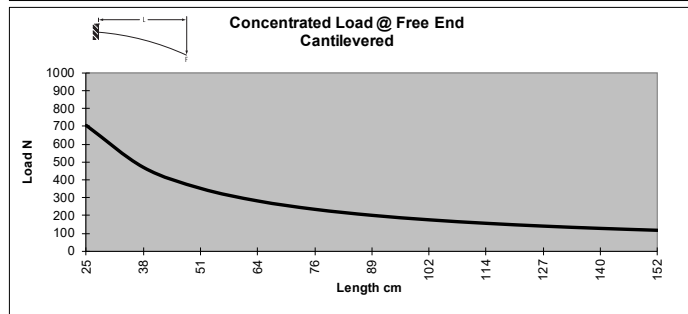
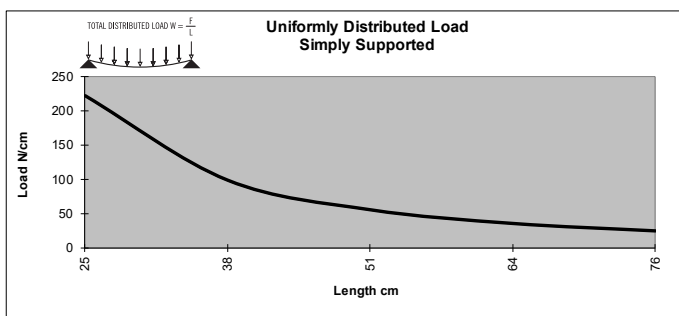
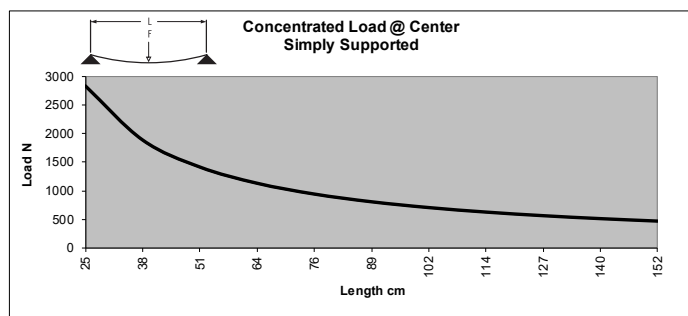
### SPECIFICATIONS

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



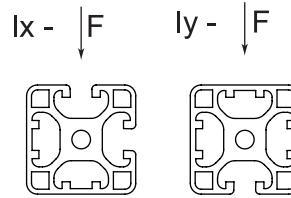
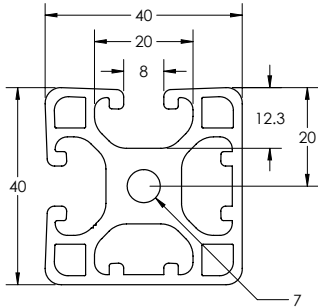
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-40LM BISLOT ADJ

Clear Anodized - 650052



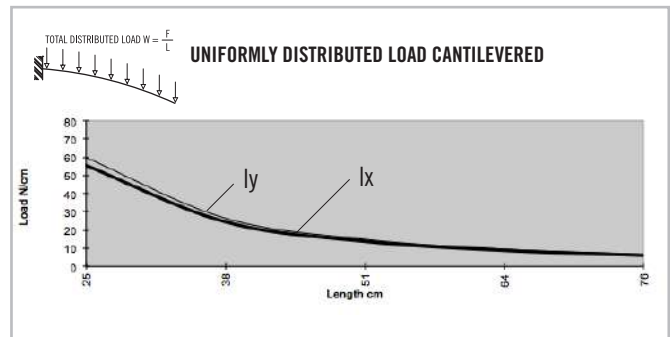
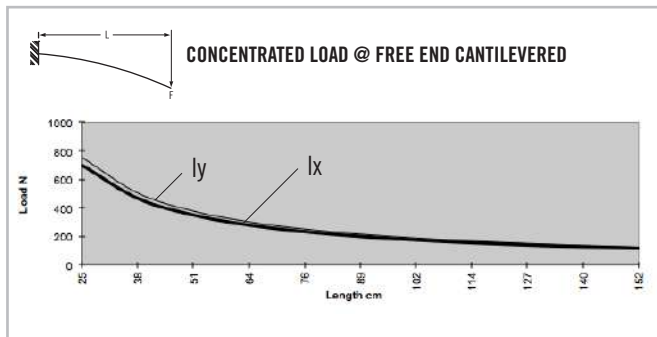
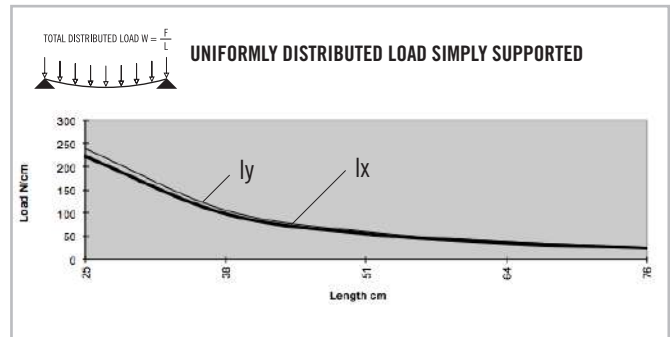
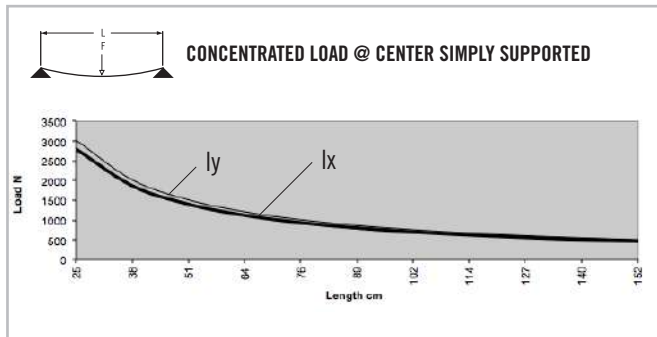
### SPECIFICATIONS

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	.....	$I_x=0.214$ in <sup>4</sup> (8.900 cm <sup>4</sup> )
	.....	$I_y=0.231$ in <sup>4</sup> (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

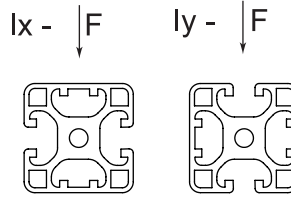
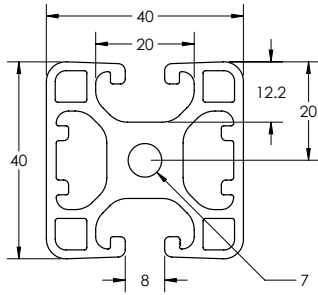


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-40LM BISLOT OPP

Clear Anodized - 650051



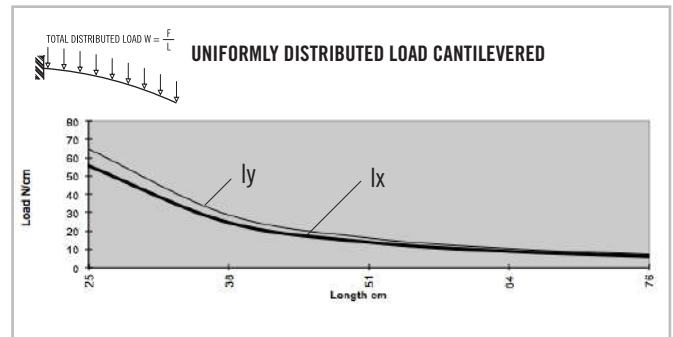
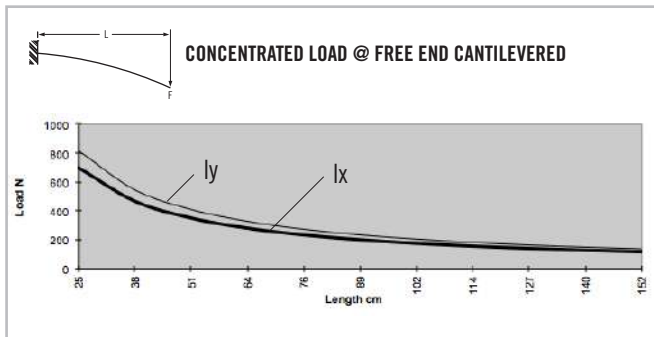
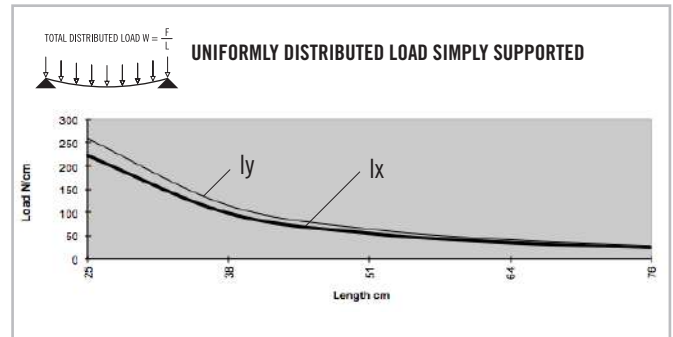
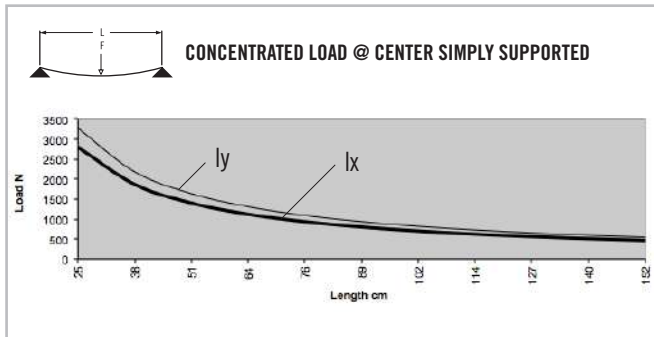
## SPECIFICATIONS

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



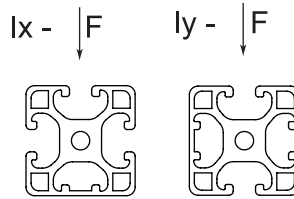
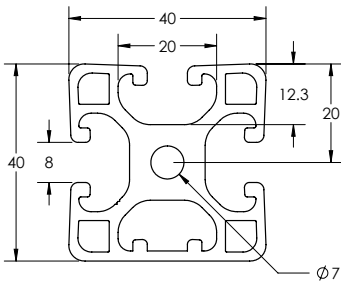
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-40LM TRISLOT

Clear Anodized - 650056



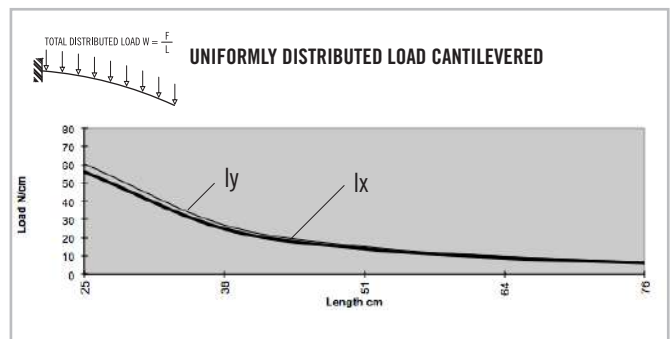
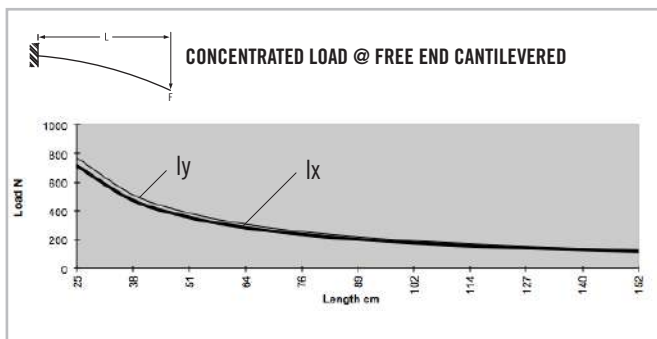
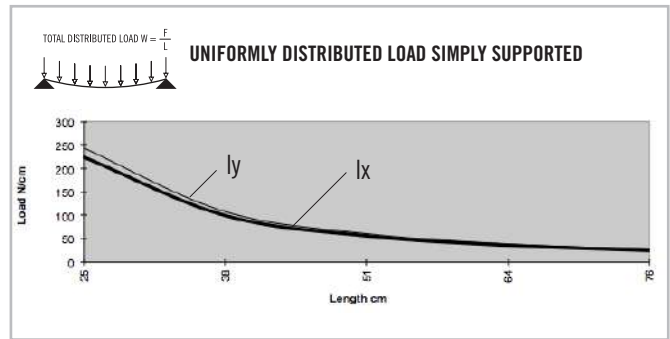
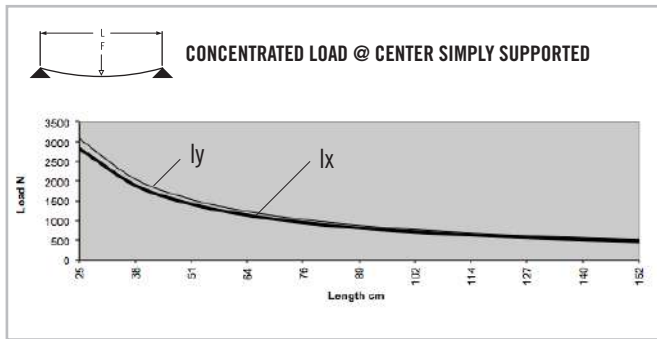
### SPECIFICATIONS

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

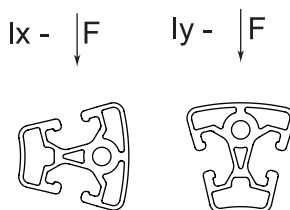
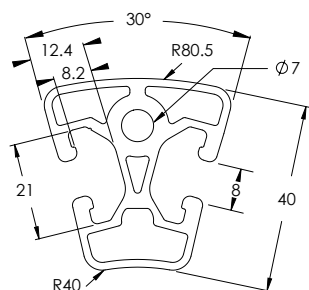


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-40M 30 DEG.

Clear Anodized - 650074



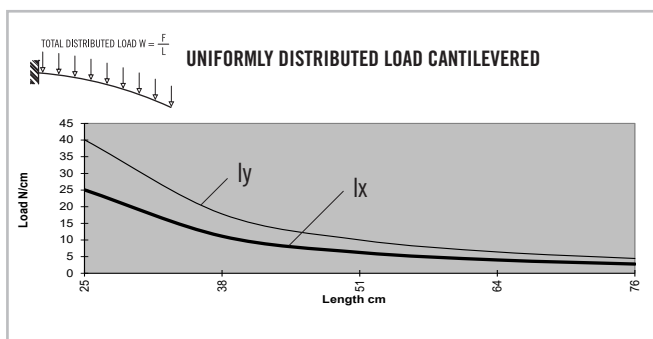
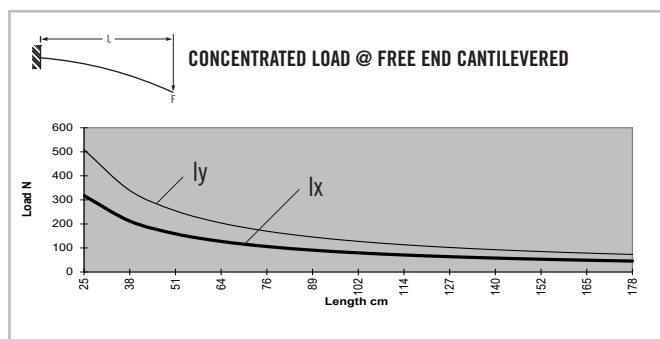
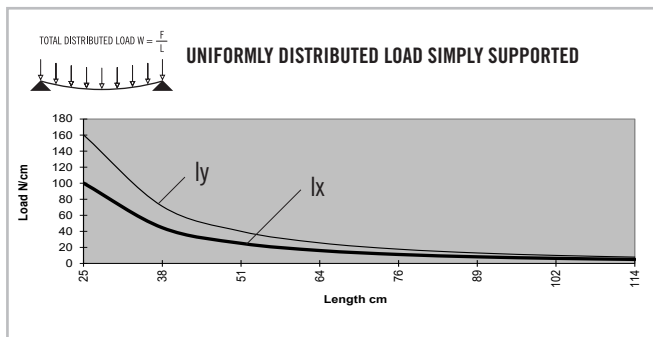
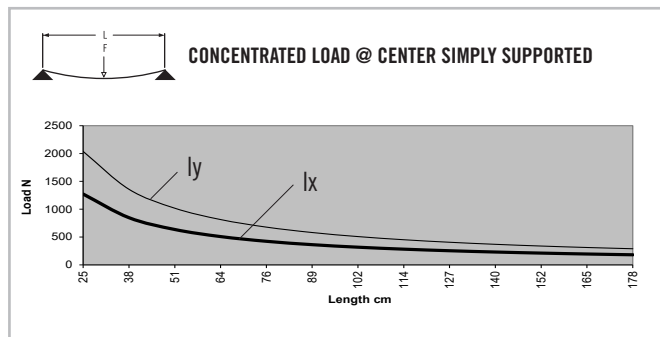
### SPECIFICATIONS

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



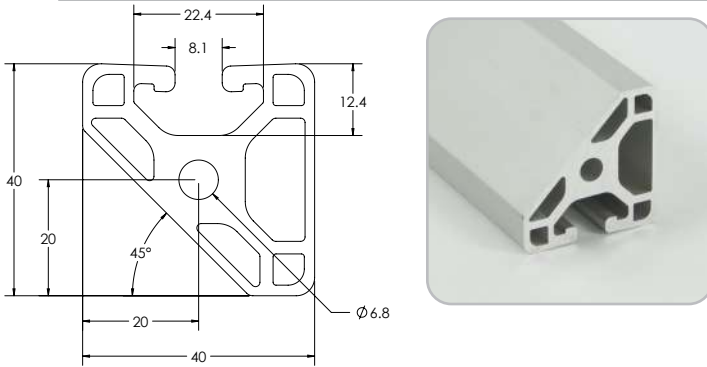
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-45LM MONOSLOT

Clear Anodized - 650057



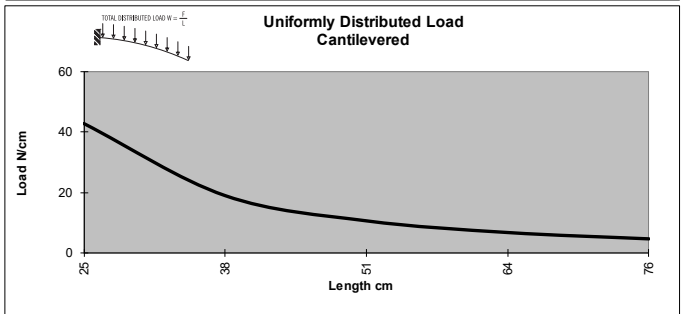
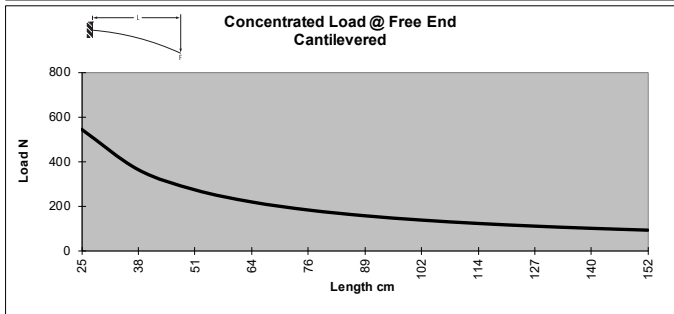
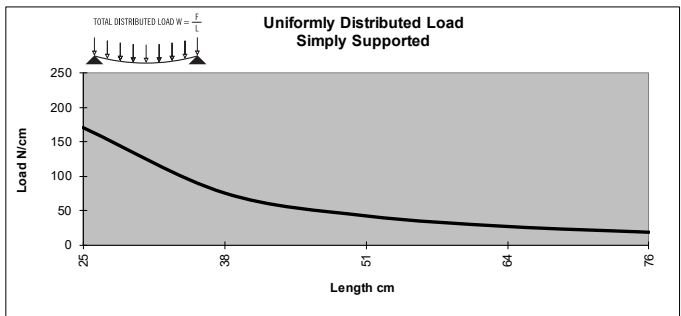
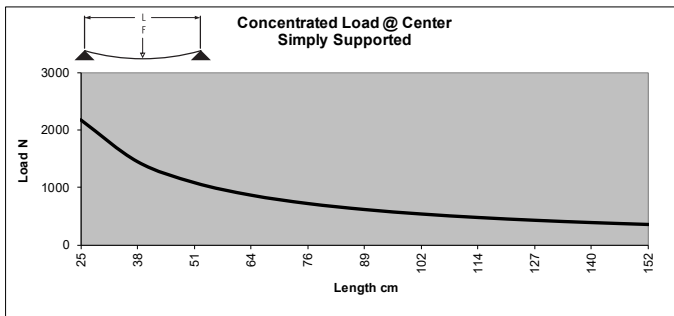
### SPECIFICATIONS

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

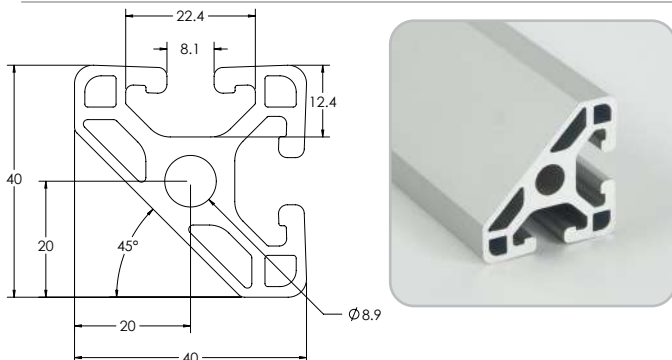


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-45LM BISLOT

Clear Anodized - 650058



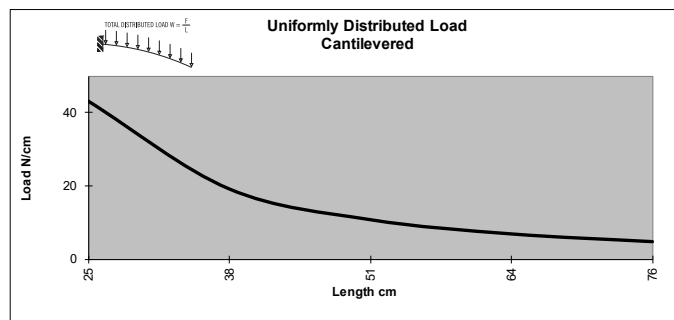
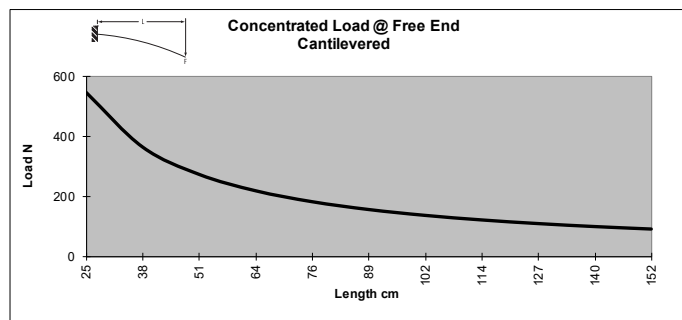
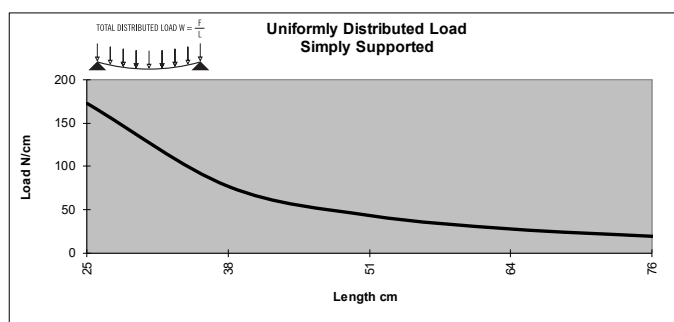
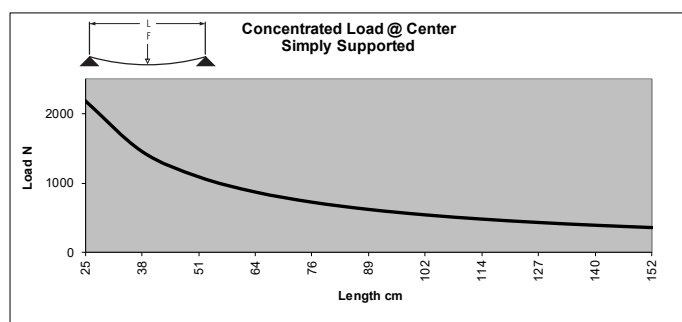
### SPECIFICATIONS

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.

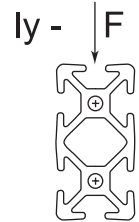
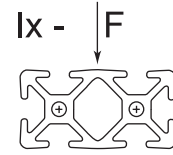
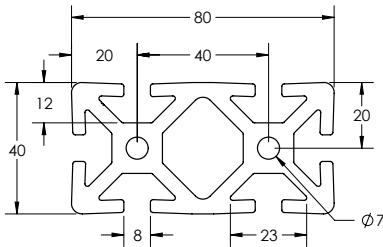
» For deflection equations see page 10



# Metric Extrusions

## TS40-80M

Clear Anodized - 650036  
Black Anodized - 650136



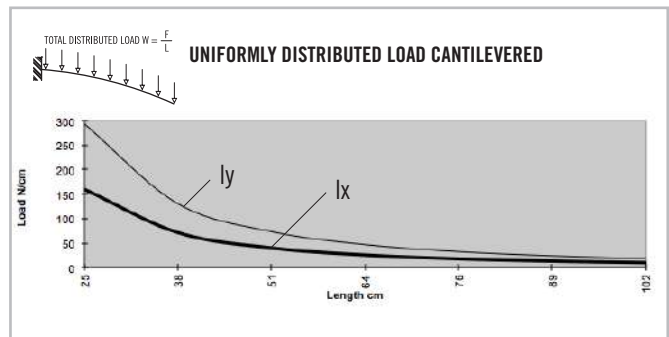
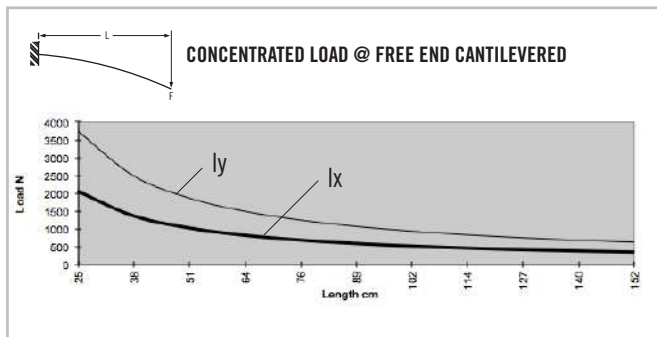
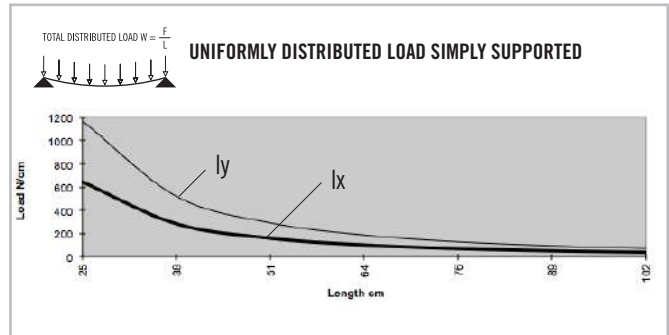
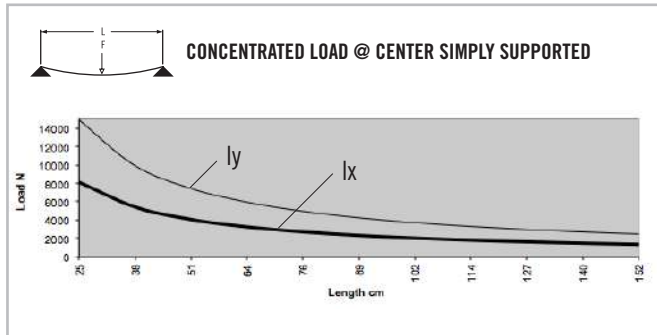
### SPECIFICATIONS

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

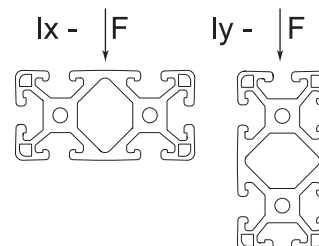
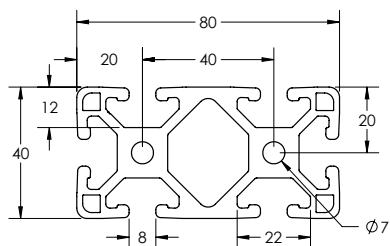


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-80LM

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



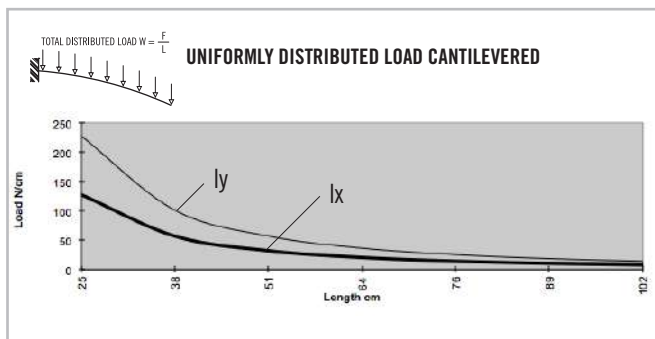
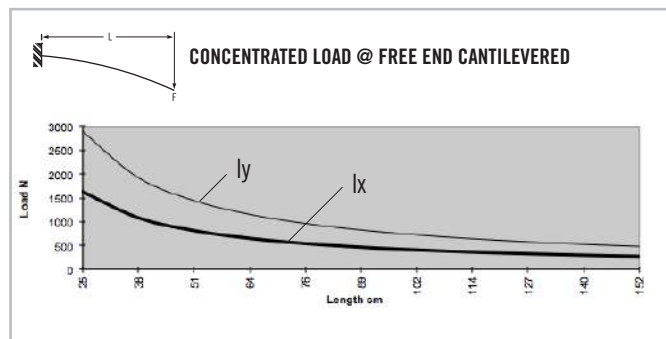
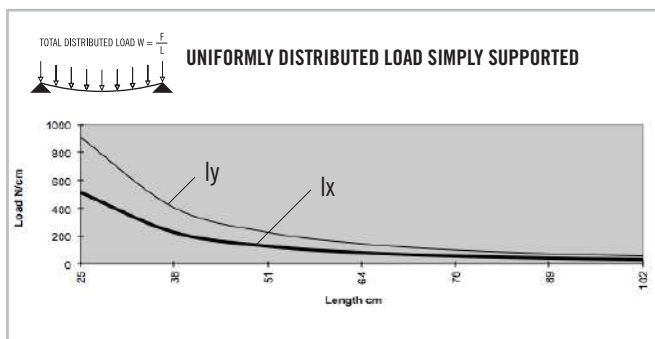
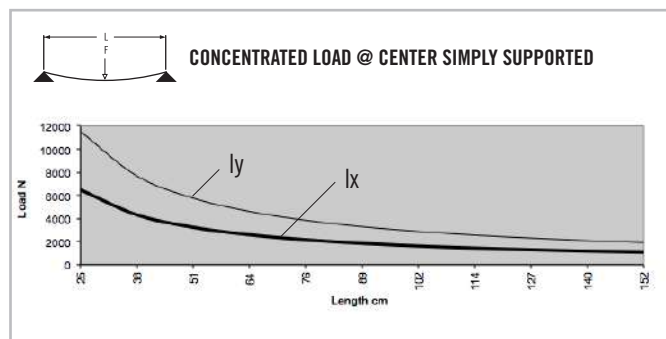
### SPECIFICATIONS

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



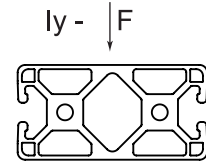
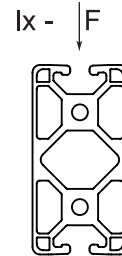
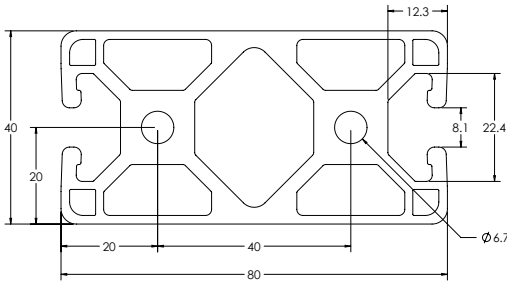
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80LM 2 SLOT BIOPP

Clear Anodized - 650066



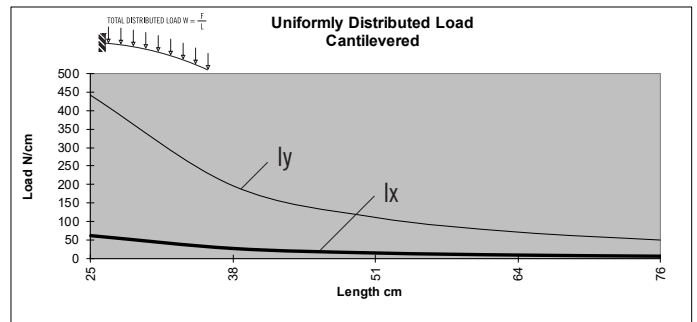
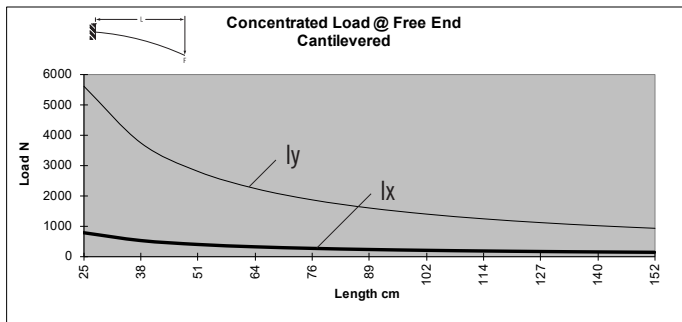
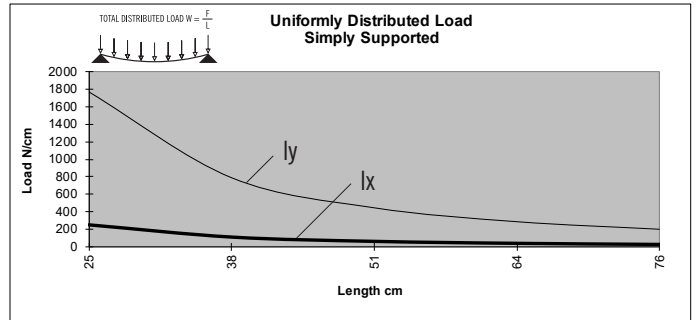
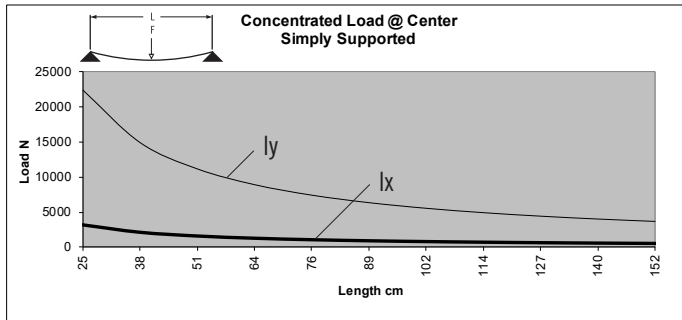
### SPECIFICATIONS

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

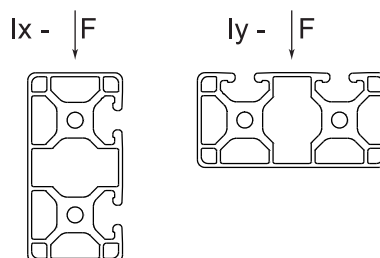
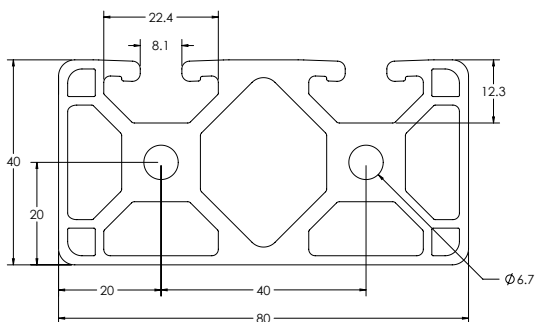


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

## TS40-80LM 2 SLOT ADJ

Clear Anodized - 650068



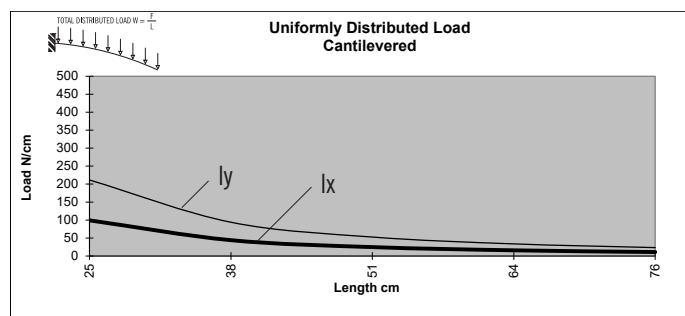
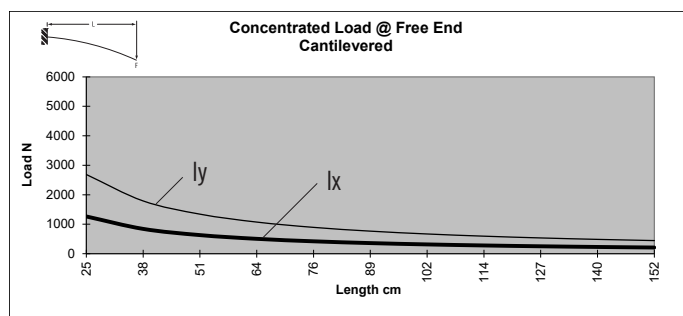
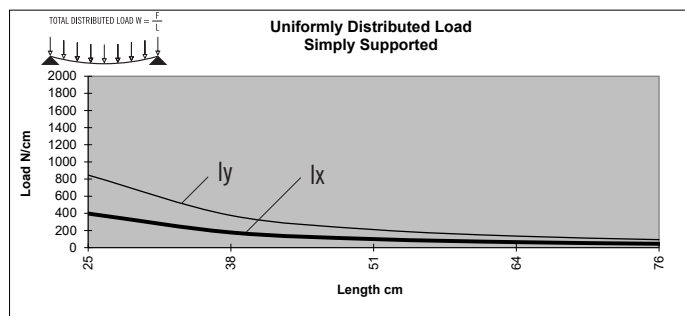
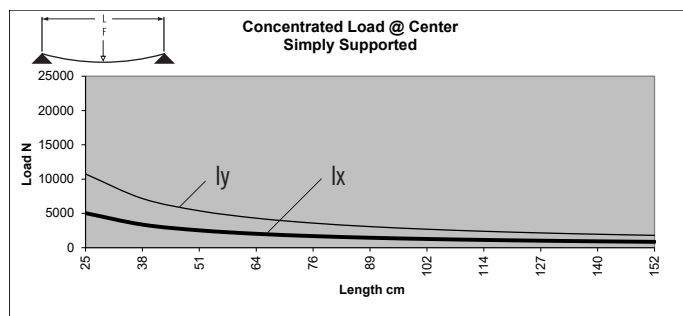
### SPECIFICATIONS

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



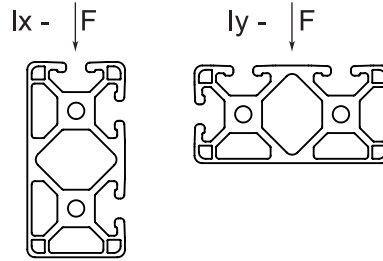
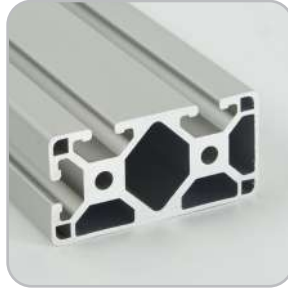
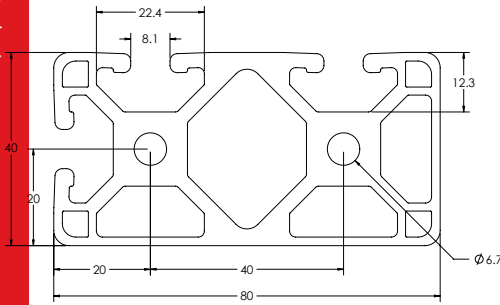
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80LM 3 SLOT BIAD

Clear Anodized - 650065



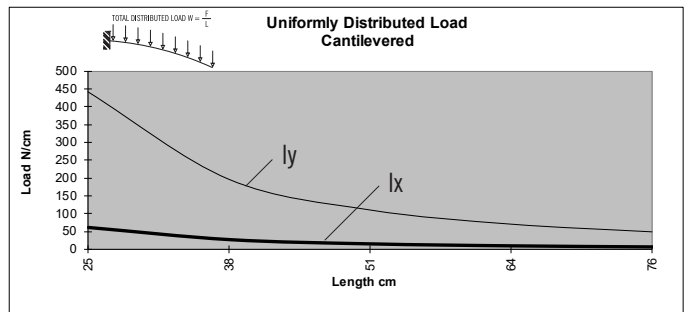
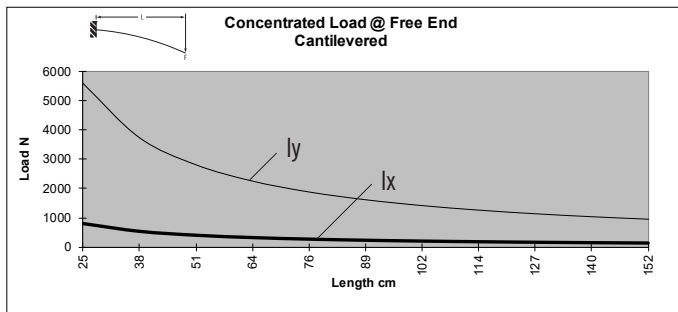
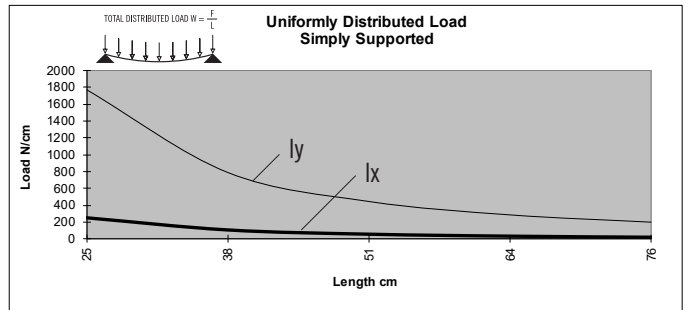
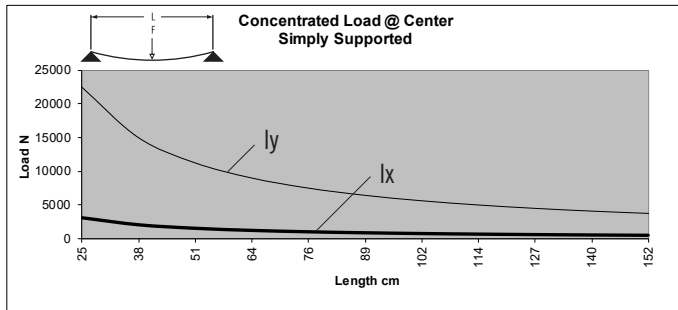
### SPECIFICATIONS

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

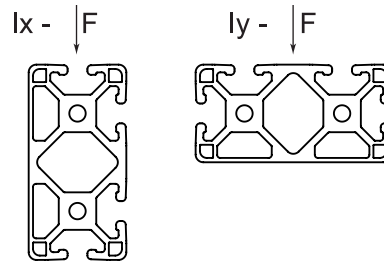
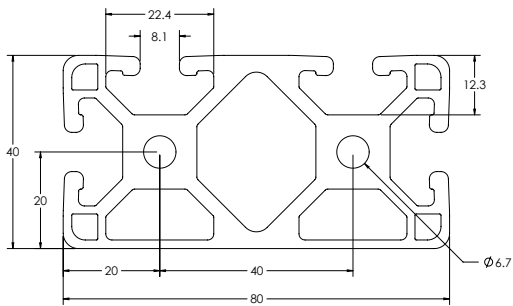


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-80LM 4 SLOT

Clear Anodized - 650067



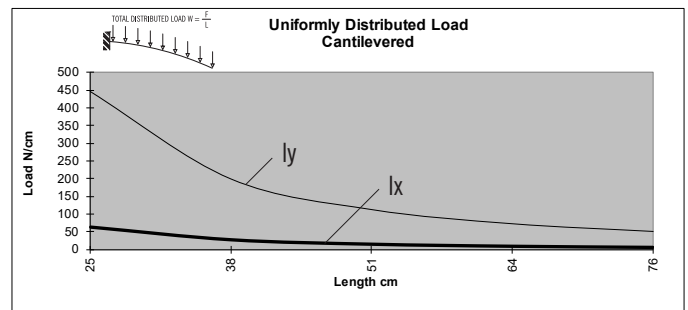
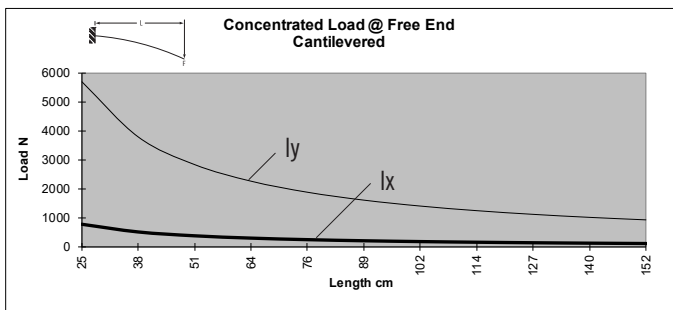
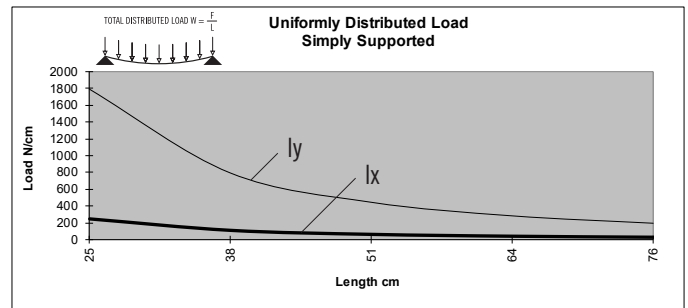
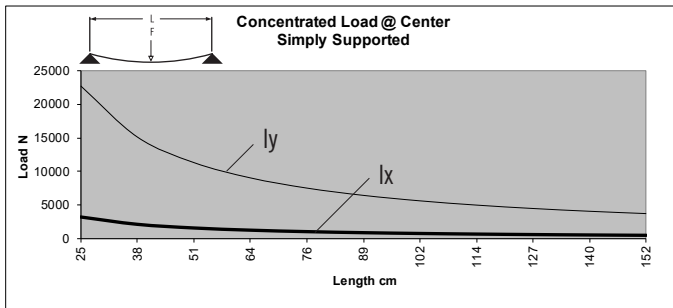
## SPECIFICATIONS

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



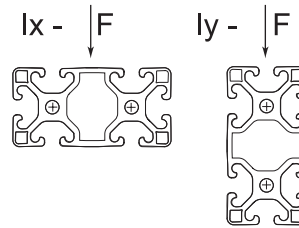
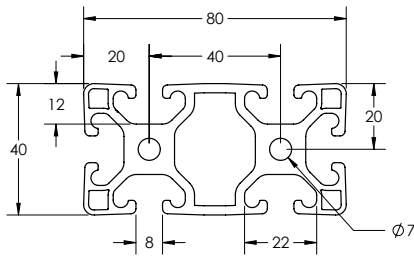
\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# Metric Extrusions

## TS40-80VLM

Clear Anodized - 650038



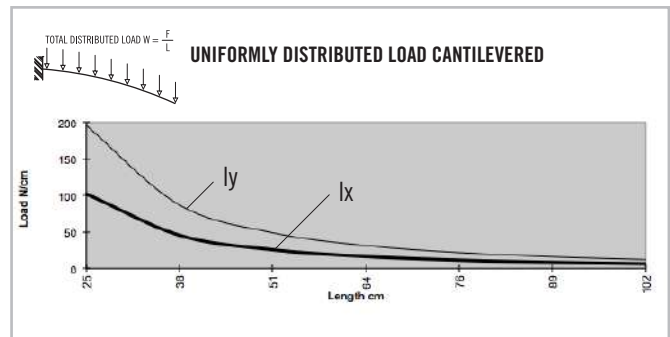
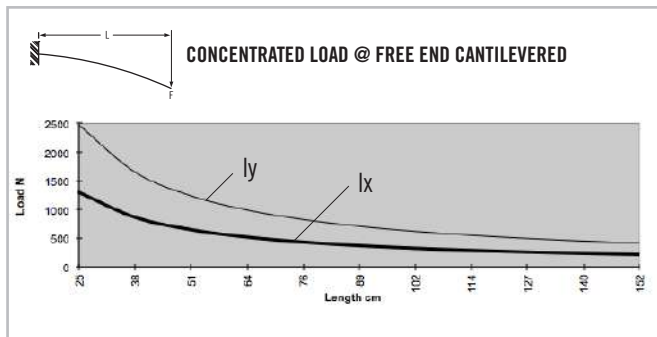
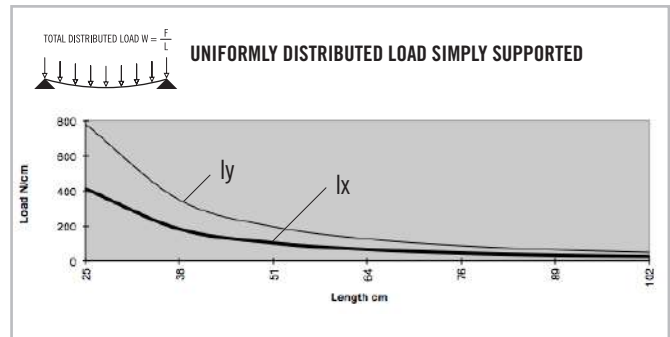
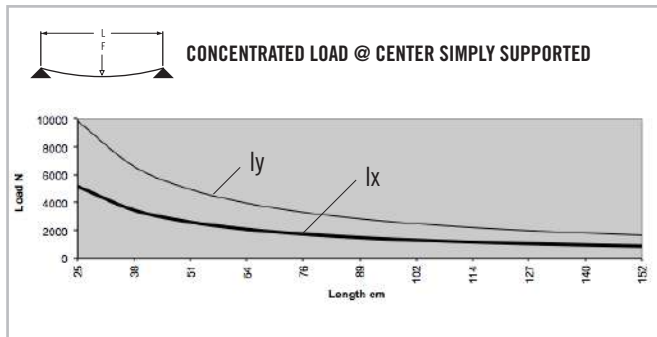
### SPECIFICATIONS

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	Ix=.396 in <sup>4</sup> (16.48 cm <sup>4</sup> ) Iy=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

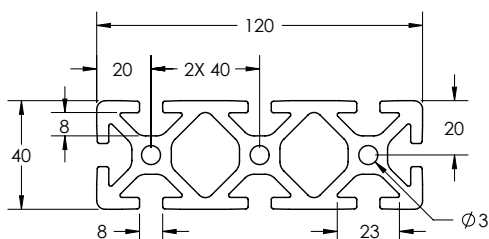


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS40-120M

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



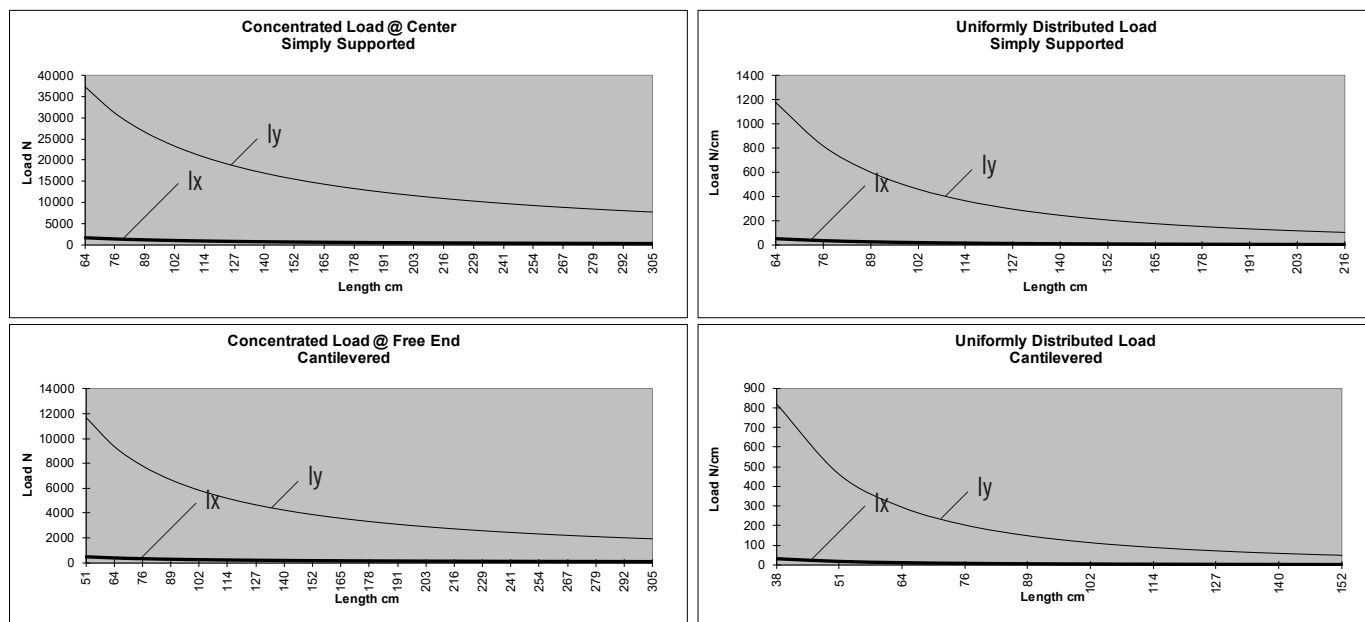
## SPECIFICATIONS

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.

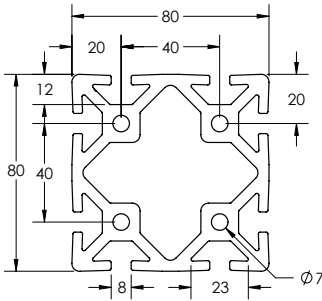
» For deflection equations see page 10



# Metric Extrusions

## TS80-80M

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



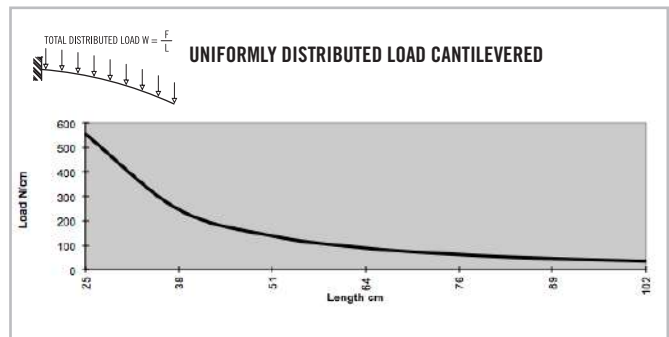
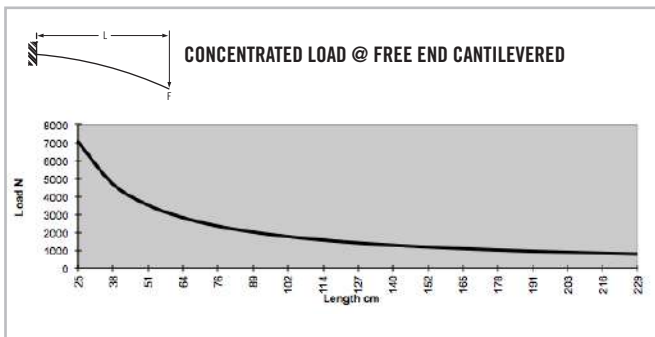
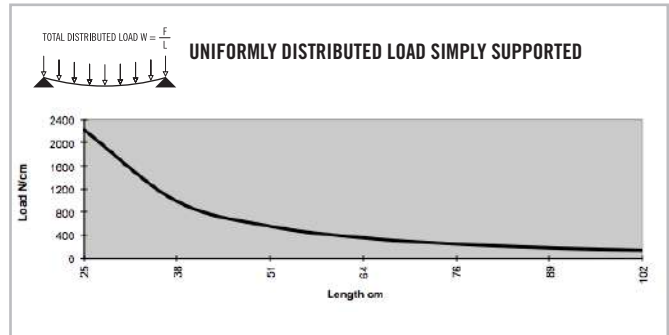
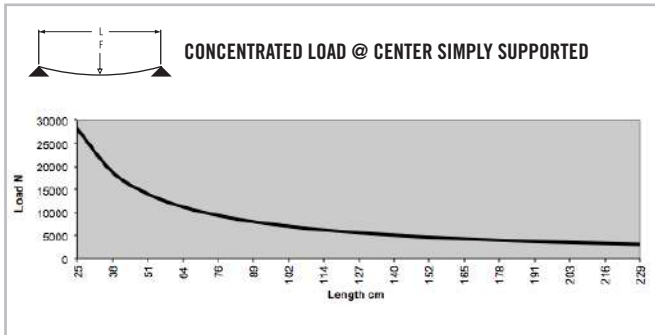
### SPECIFICATIONS

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

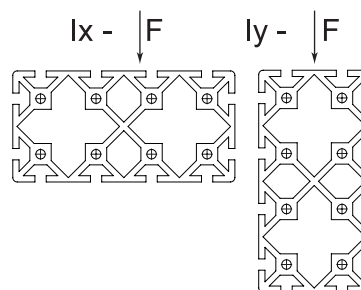
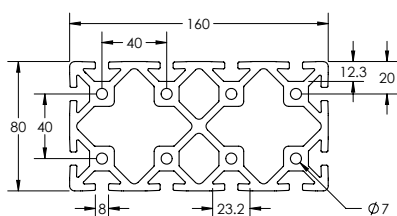


\* Charts based on allowable loads related to yield strength with a margin of safety equal to five.

» For deflection equations see page 10

# TS80-160M

Clear Anodized - 650064



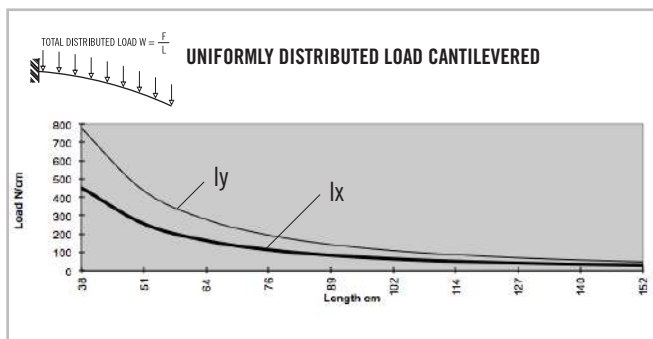
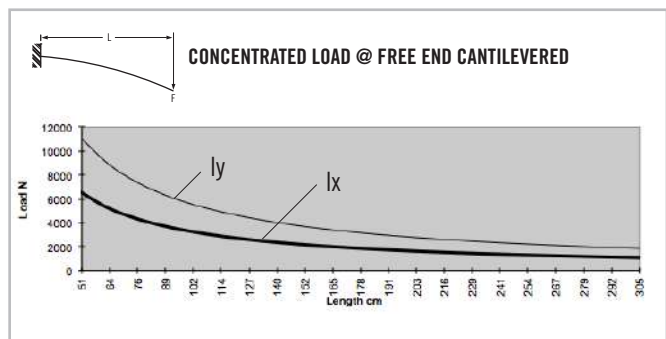
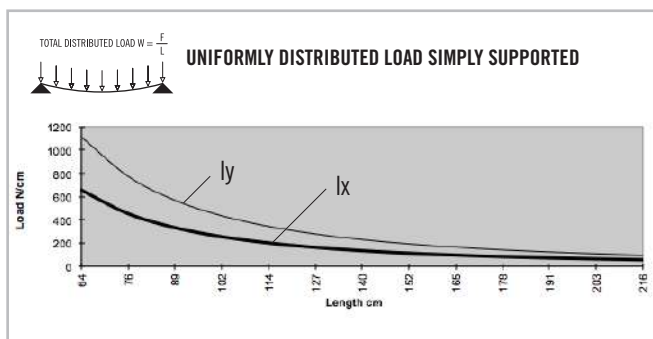
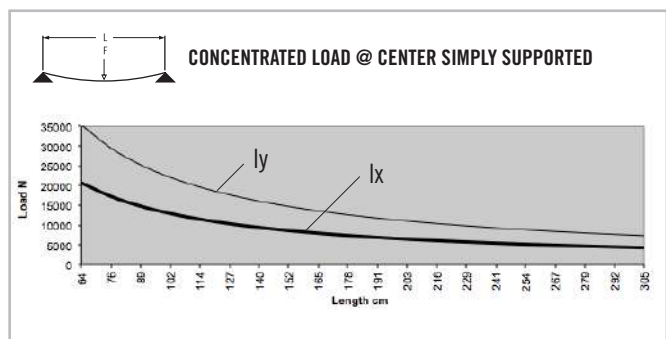
## SPECIFICATIONS

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

# CONTENT

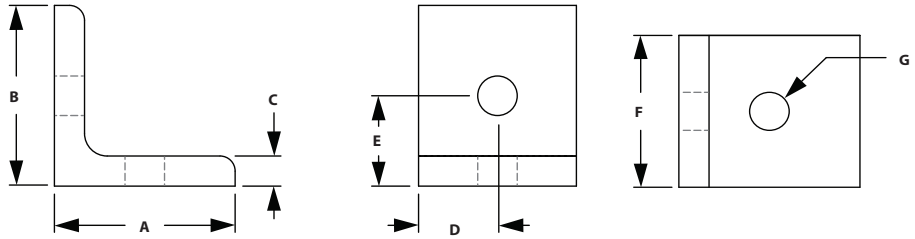
## 03 TLOTS Brackets

Corner Brackets & Gussets .....	368-374
Joining Strips & Plates.....	375-377
Tee Joining Plates.....	377-381

## 03 BRACKETS METRIC

# Metric Brackets

## 2 HOLE INSIDE CORNER BRACKET

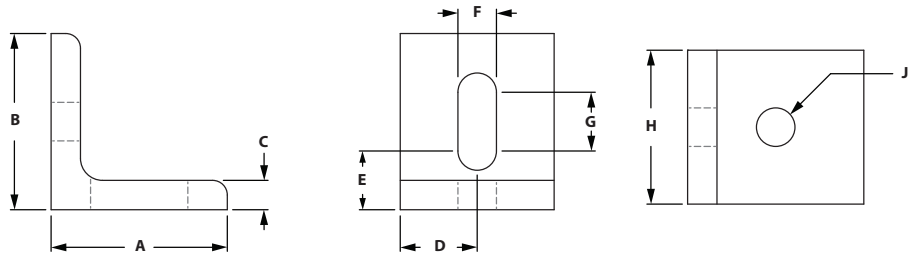
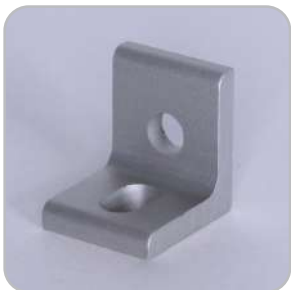


<b>ITEM#</b> 664005	<b>SERIES</b> 40	<b>A</b> 38.10mm	<b>B</b> 38.10mm	<b>C</b> 6.35mm	<b>D</b> 18.00mm	<b>E</b> 20.00mm	<b>F</b> 36.00mm	<b>G</b> 8.33mm
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### RECOMMENDED FASTENERS

<b>ITEM#</b> 651506	<b>SERIES</b> 40	<b>QTY</b> 2	<b>BOLT</b> M8 x 16mm BHSCS	<b>TNUT</b> Economy
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## 2 HOLE SLOTTED CORNER BRACKET

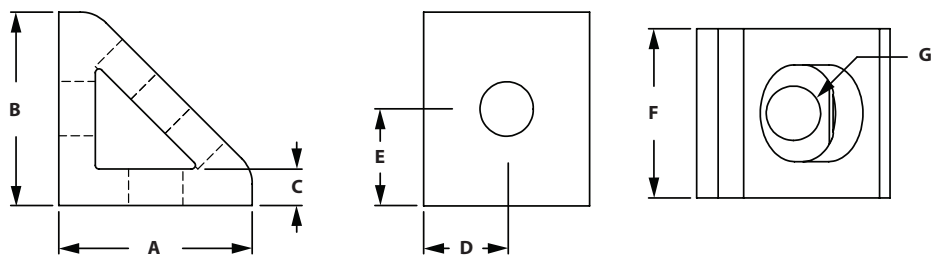
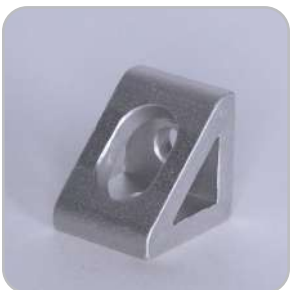


<b>ITEM#</b> 664003	<b>SERIES</b> 40	<b>A</b> 38.10mm	<b>B</b> 38.10mm	<b>C</b> 6.35mm	<b>D</b> 18.00mm	<b>E</b> 14.00mm	<b>F</b> 8.33mm	<b>G</b> 14.00mm	<b>H</b> 36.00mm	<b>J</b> 8.33mm
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### RECOMMENDED FASTENERS

<b>ITEM#</b> 651506	<b>SERIES</b> 40	<b>QTY</b> 2	<b>BOLT</b> M8 x 16mm BHSCS	<b>TNUT</b> Economy
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## 2 HOLE INSIDE CORNER GUSSET



<b>ITEM#</b> 664006	<b>SERIES</b> 40	<b>A</b> 38.10mm	<b>B</b> 38.10mm	<b>C</b> 6.35mm	<b>D</b> 18.00mm	<b>E</b> 20.00mm	<b>F</b> 36.00mm	<b>G</b> 8.33mm
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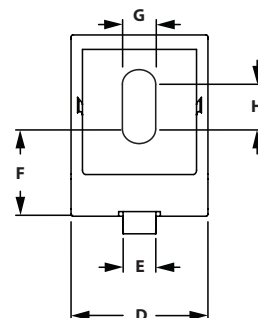
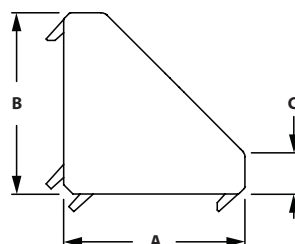
### RECOMMENDED FASTENERS

<b>ITEM#</b> 651506	<b>SERIES</b> 40	<b>QTY</b> 2	<b>BOLT</b> M8 x 16mm BHSCS	<b>TNUT</b> Economy
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## 2 HOLE CORNER GUSSET



◦ Die-cast aluminum



ITEM#	SERIES	A	B	C	D	E	F	G	H
671728	20	20.00mm	20.00mm	3.00mm	17.00mm	5.00mm	8.00mm	5.50mm	7.50mm
671747	40	36.00mm	36.00mm	5.50mm	38.00mm	8.00mm	9.00mm	9.00mm	20.5mm

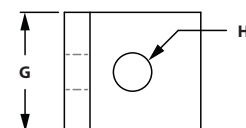
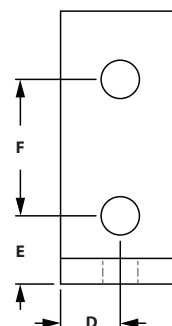
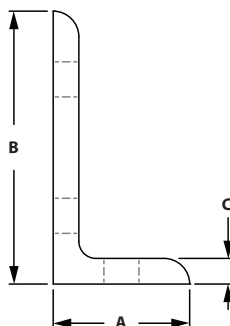
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651709	20	2	M5 x 8mm BHSCS & Drop-In Tnut
651506	40	2	M8 x 16mm BHSCS & M8 Economy Tnut

### COVER CAPS

ITEM#	SERIES
671746	40

## 3 HOLE INSIDE CORNER BRACKET



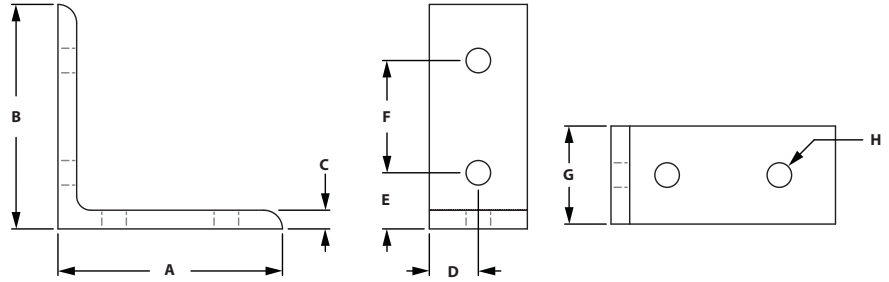
ITEM#	SERIES	A	B	C	D	E	F	G	H
664007	40	38.10mm	76.20mm	6.35mm	18.00mm	20.00mm	40.00mm	36.00mm	8.33mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	3	M8 x 16mm BHSCS	Economy

# Metric Brackets

## 4 HOLE VERTICAL INSIDE CORNER BRACKET

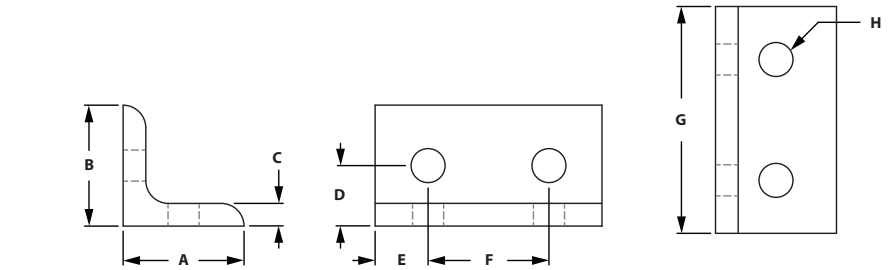


ITEM#	SERIES	A	B	C	D	E	F	G	H
664004	40	76.20mm	76.20mm	6.35mm	18.00mm	20.00mm	40.00mm	36.00mm	8.33mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

## 4 HOLE HORIZONTAL INSIDE CORNER BRACKET

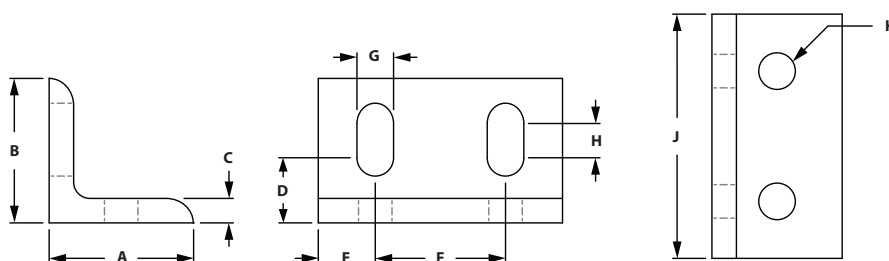


ITEM#	SERIES	A	B	C	D	E	F	G	H
664001	40	38.10mm	38.10mm	6.35mm	20.00mm	18.00mm	40.00mm	76.00mm	8.33mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

### 4 HOLE HORIZONTAL SLOTTED INSIDE CORNER BRACKET

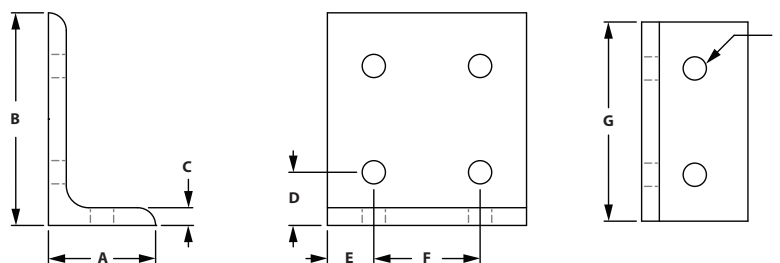


ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
659060	40	40.00mm	40.00mm	6.35mm	14.00mm	18.00mm	40.00mm	8.30mm	14.00mm	76.00mm	8.30mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

### 6 HOLE VERTICAL INSIDE CORNER BRACKET



ITEM#	SERIES	A	B	C	D	E	F	G	H
664038	40	38.10mm	76.20mm	6.35mm	20.00mm	18.00mm	40.00mm	76.00mm	8.33mm

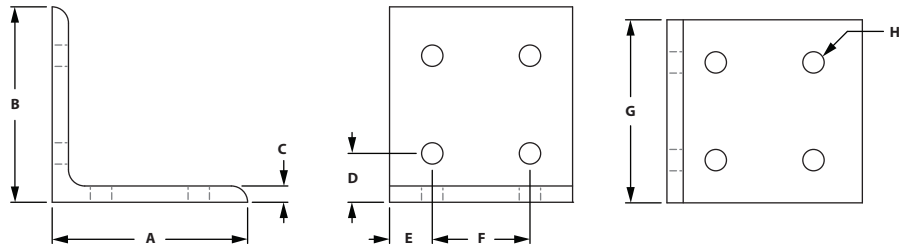
#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	6	M8 x 16mm BHSCS	Economy



# Metric Brackets

## 8 HOLE VERTICAL INSIDE CORNER BRACKET

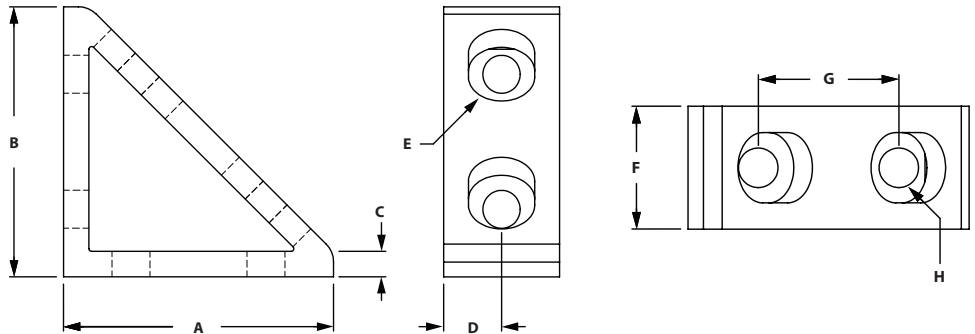


ITEM#	SERIES	A	B	C	D	E	F	G	H
664027	40	76.20mm	76.20mm	6.35mm	20.00mm	18.00mm	40.00mm	76.00mm	8.33mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	8	M8 x 16mm BHSCS	Economy

## 4 HOLE VERTICAL INSIDE CORNER GUSSET



ITEM#	SERIES	FINISH	A	B	C	D	E	F	G	H
664002	40	Clear	76.20mm	76.20mm	6.35mm	18.00mm	19.00mm	36.00mm	40.00mm	8.33mm
664102	40	Black	76.20mm	76.20mm	6.35mm	18.00mm	19.00mm	36.00mm	40.00mm	8.33mm

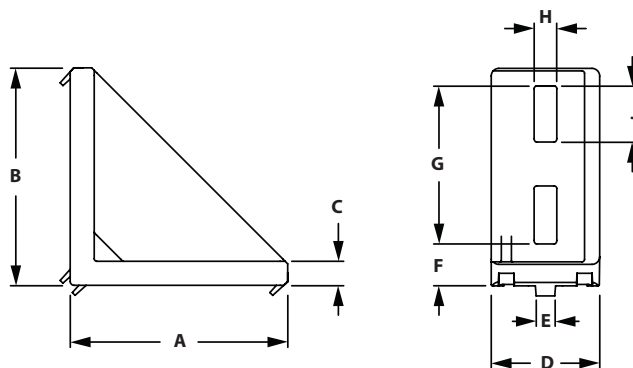
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

### 4 HOLE CORNER GUSSET



◦ Die-cast aluminum

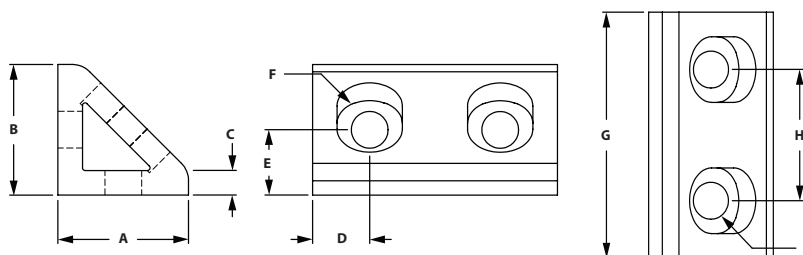


ITEM#	SERIES	A	B	C	D	E	F	G	H	J
671729	20	38.00mm	38.00mm	3.00mm	18.00mm	5.00mm	7.00mm	26.50mm	5.20mm	9.00mm

**RECOMMENDED FASTENERS**

ITEM#	SERIES	QTY	DESCRIPTION
651709	20	4	M5 x 8mm BHSCS & Drop-In Tnut

### 4 HOLE HORIZONTAL INSIDE CORNER GUSSET



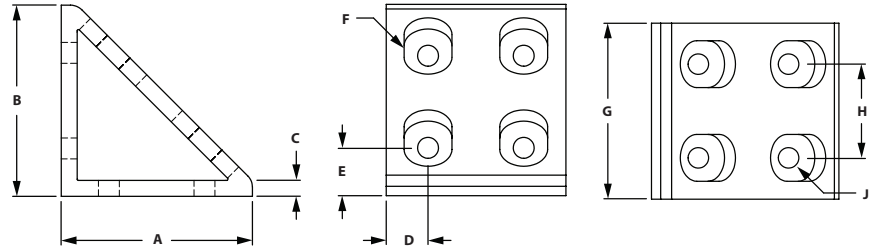
ITEM#	SERIES	FINISH	A	B	C	D	E	F	G	H	J
664032	40	Clear	38.10mm	38.10mm	6.35mm	18.00mm	20.00mm	19.00mm	76.00mm	40.00mm	8.33mm
664132	40	Black	38.10mm	38.10mm	6.35mm	18.00mm	20.00mm	19.00mm	76.00mm	40.00mm	8.33mm

**RECOMMENDED FASTENERS**

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

# Metric Brackets

## 8 HOLE VERTICAL INSIDE CORNER GUSSET

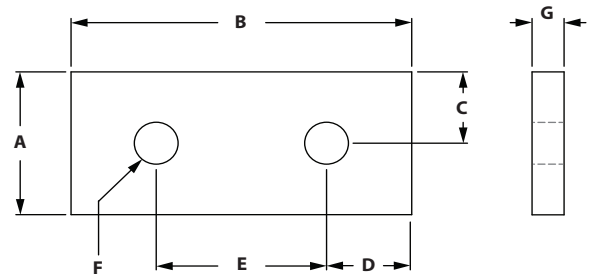


ITEM#	SERIES	FINISH	A	B	C	D	E	F	G	H	J
664000	40	Clear	76.20mm	76.20mm	6.35mm	18.00mm	20.00mm	19.00mm	76.00mm	40.00mm	6.35mm
664100	40	Black	76.20mm	76.20mm	6.35mm	18.00mm	20.00mm	19.00mm	76.00mm	40.00mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	8	M8 x 16mm BHSCS	Economy

## 2 HOLE JOINING STRIP

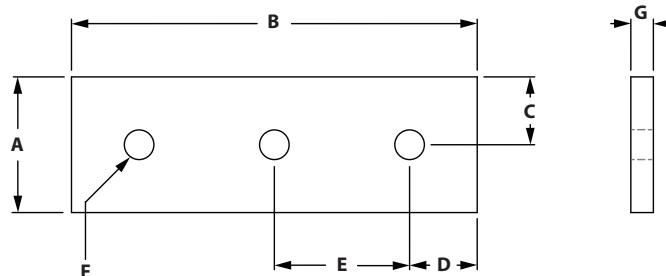


ITEM#	SERIES	A	B	C	D	E	F	G
671730	20	18.00mm	38.00mm	9.00mm	9.00mm	20.00mm	5.50mm	4.00mm
664057	40	38.10mm	76.20mm	19.00mm	18.11mm	40.00mm	8.33mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651709	20	2	M5 x 8mm BHSCS	Drop-In
651506	40	2	M8 x 16mm BHSCS	Economy

### 3 HOLE JOINING STRIP

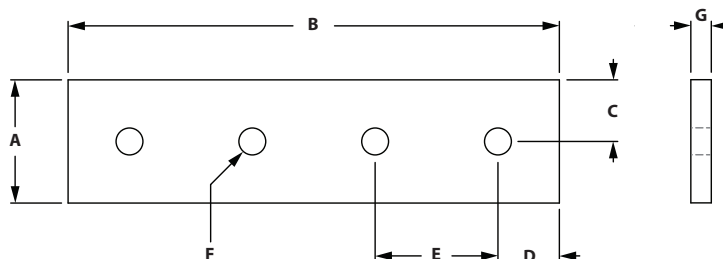


ITEM#	SERIES	A	B	C	D	E	F	G
664041	40	38.10mm	120.00mm	19.00mm	20.00mm	40.00mm	8.33mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	3	M8 x 16mm BHSCS	Economy

### 4 HOLE JOINING STRIP



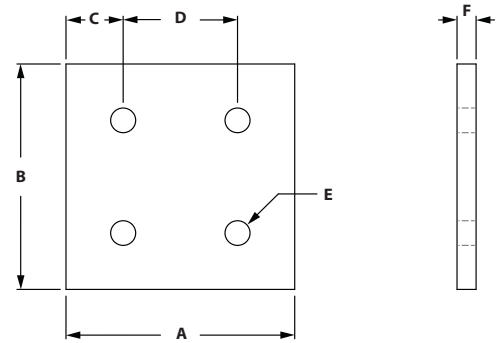
ITEM#	SERIES	A	B	C	D	E	F	G
664050	40	38.10mm	140.00mm	19.00mm	20.00mm	40.00mm	8.33mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

# Metric Brackets

## 4 HOLE JOINING PLATE

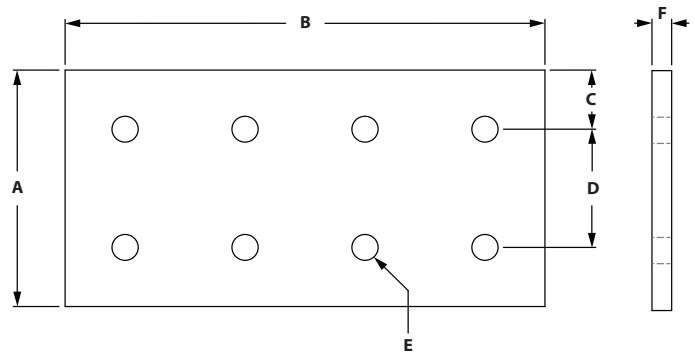


ITEM#	SERIES	A	B	C	D	E	F
664049	40	76.20mm	76.20mm	18.11mm	40.00mm	8.33mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

## 8 HOLE JOINING PLATE

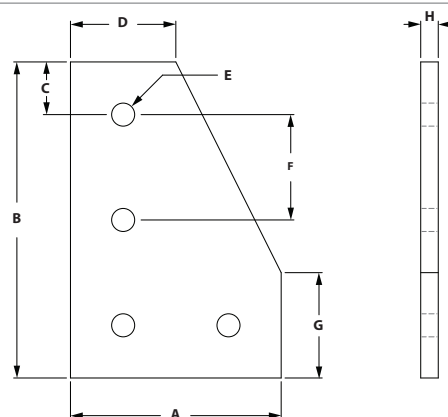


ITEM#	SERIES	A	B	C	D	E	F
659059	40	76.20mm	160.00mm	18.11mm	40.00mm	8.33mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	8	M8 x 16mm BHSCS	Economy

### 4 HOLE 90° JOINING PLATE

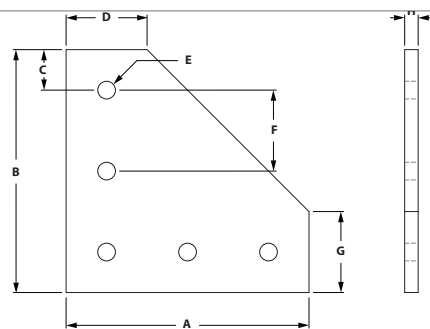


ITEM#	SERIES	A	B	C	D	E	F	G	H
664077	40	80.00mm	127.00mm	27.00mm	40.00mm	8.33mm	40.00mm	40.00mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	4	M8 x 16mm BHSCS	Economy

### 5 HOLE 90° JOINING PLATE



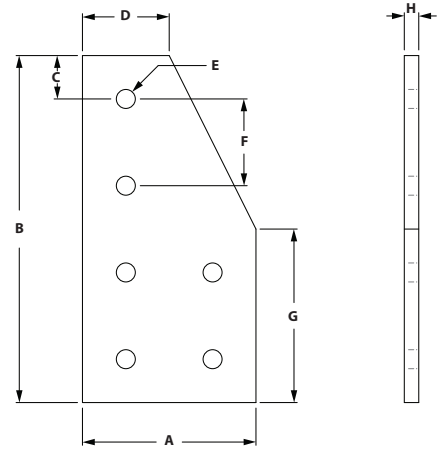
ITEM#	SERIES	A	B	C	D	E	F	G	H
664029	40	127.00mm	127.00mm	27.00mm	40.00mm	8.33mm	40.00mm	40.00mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	5	M8 x 16mm BHSCS	Economy

# Metric Brackets

## 6 HOLE 90° JOINING PLATE

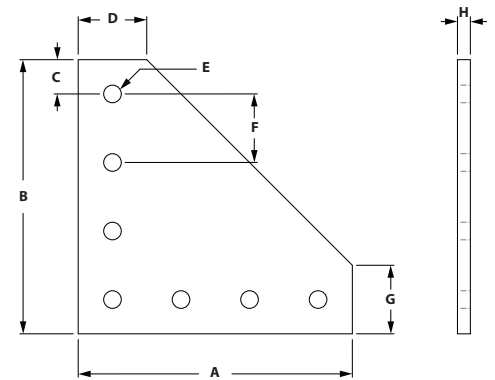


ITEM#	SERIES	A	B	C	D	E	F	G	H
682825	40	80.00mm	160.00mm	27.00mm	40.00mm	8.33mm	40.00mm	80.00mm	6.00mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	6	M8 x 16mm BHSCS	Economy

## 7 HOLE 90° JOINING PLATE

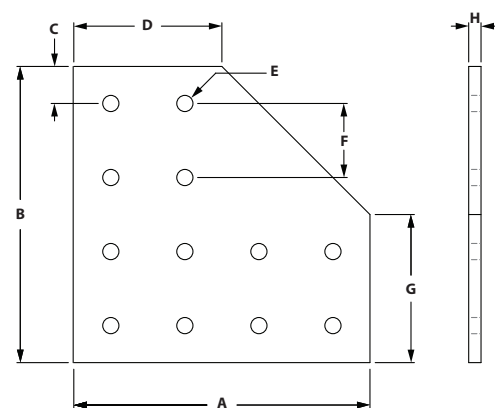


ITEM#	SERIES	A	B	C	D	E	F	G	H
664079	40	152.40mm	152.40mm	20.00mm	36.20mm	8.33mm	40.00mm	36.20mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	7	M8 x 16mm BHSCS	Economy

### 12 HOLE 90° JOINING PLATE

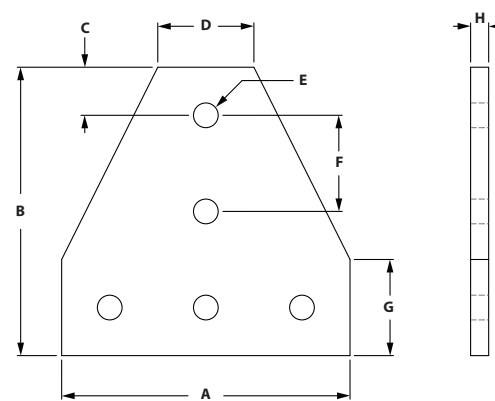


ITEM#	SERIES	A	B	C	D	E	F	G	H
664053	40	152.40mm	152.40mm	12.40mm	76.20mm	8.33mm	40.00mm	76.20mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	12	M8 x 16mm BHSCS	Economy

### 5 HOLE TEE JOINING PLATE



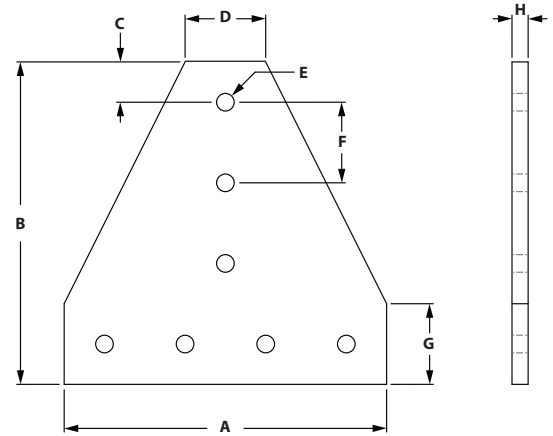
ITEM#	SERIES	A	B	C	D	E	F	G	H
664051	40	114.30mm	114.30mm	17.10mm	38.10mm	8.33mm	40.00mm	38.10mm	6.35mm

#### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	5	M8 x 16mm BHSCS	Economy



## 7 HOLE TEE JOINING PLATE

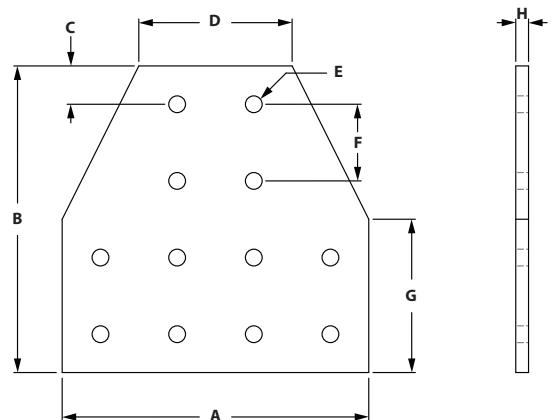


ITEM#	SERIES	A	B	C	D	E	F	G	H
664080	40	152.40mm	152.40mm	16.20mm	40.00mm	8.33mm	40.00mm	40.00mm	6.35mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	7	M8 x 16mm BHSCS	Economy

## 12 HOLE TEE JOINING PLATE



ITEM#	SERIES	A	B	C	D	E	F	G	H
664054	40	152.40mm	152.40mm	16.20mm	76.20mm	8.33mm	40.00mm	76.20mm	6.35mm

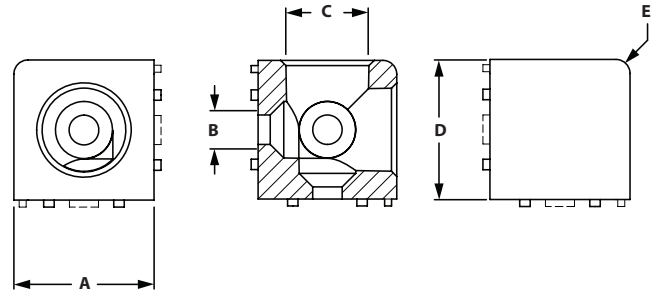
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	12	M8 x 16mm BHSCS	Economy

## 2 HOLE CORNER CUBE



- Die-cast zinc
- Cover caps & 2 M5 x 14mm screws are included



**ITEM#**  
653326

**SERIES**  
20

**A** 20.00mm

**B** 6.20mm

**C** 12.00mm

**D** 20.00mm

**E** 1.50mm

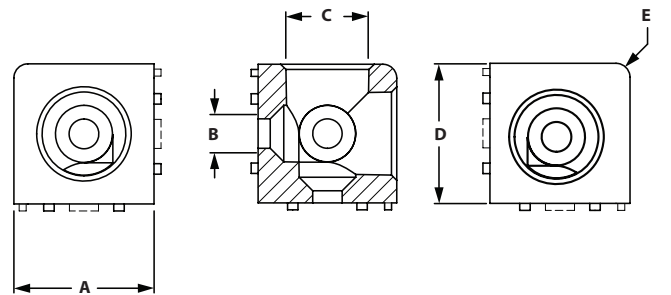
### INCLUDED FASTENERS

QTY	DESCRIPTION
2	M5 X 14mm BHSCS

## 3 HOLE CORNER CUBE



- Die-cast zinc
- Cover caps & 3 M5 x 14mm screws are included



**ITEM#**  
653327

**SERIES**  
20

**A** 20.00mm

**B** 6.20mm

**C** 12.00mm

**D** 20.00mm

**E** 1.50mm

### INCLUDED FASTENERS

QTY	DESCRIPTION
3	M5 x 14mm BHSCS

# CONTENT

## 04 Fasteners

Fastener Application Test . . . . .	384
Economy T-nuts . . . . .	385
Standard T-nuts . . . . .	385
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End Fasteners . . . . .	388
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Z-Nuts . . . . .	389
Screws . . . . .	390-393
Washers & Hex Nuts . . . . .	393-394
T-Matic Connectors . . . . .	394
Inner Connector . . . . .	395
Plate Connectors . . . . .	395

## 04 FASTENERS METRIC

# Metric Fasteners

## RECOMMENDED TOOL SIZE FOR FASTENERS

THREAD SIZE	SHCS	BHSCS	FBHSCS	FHSCS
8-32	--	3/32"	--	--
10-32	5/32"	1/8"	--	--
1/4-20	3/16"	5/32"	5/32"	5/32"
5/16-18	1/4"	3/16"	3/16"	3/16"
3/8-16	5/16"	N/A	--	7/32"
M5	4mm	3mm	--	3mm
M6	5mm	4mm	--	4mm
M8	6mm	5mm	--	5mm
M10	8mm	6mm	--	6mm

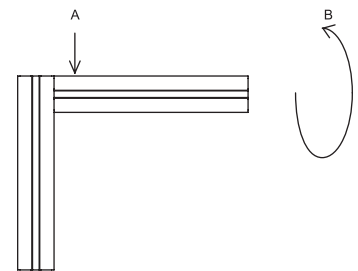
\* Numbers in chart reflect hex tool size required.

## FASTENER APPLICATION TEST

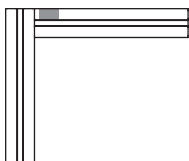
FASTENER	TS10-10		TS15-15L		TS15-15	
	A (lbs)	B	A (lbs)	B	A (lbs)	B
1	500	180 in/lbs	950	540 in/lbs	950	700 in/lbs
2	900	250 in/lbs	1,200	1,150 in/lbs	1,200	2,000 in/lbs
3	450	325 in/lbs	1,000	680 in/lbs	1,000	1,150 in/lbs
4	175	400 in/lbs	225	1,000 in/lbs	225	1,100 in/lbs
5	175	500 in/lbs	250	1,200 in/lbs	250	1,260 in/lbs
6	325	180 in/lbs	375	500 in/lbs	575	500 in/lbs
7	325	260 in/lbs	375	500 in/lbs	575	500 in/lbs

\* All forces are approximate.

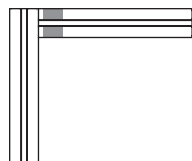
**A - DIRECT FORCE**  
**B - TORTIONAL FORCE**



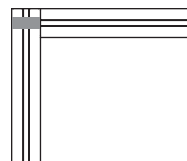
**1 - SINGLE ANCHOR**



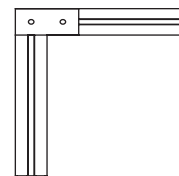
**2 - DOUBLE ANCHOR**



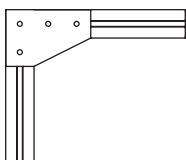
**3 - END FASTENER**



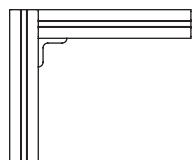
**4 - JOINING STRIP**



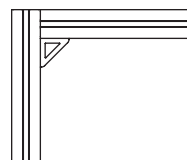
**5 - 90° JOINING PLATE**



**6 - CORNER BRACKET**



**7 - CORNER GUSSET**

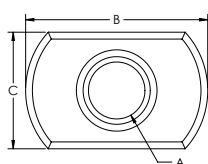


## ECONOMY T-NUTS

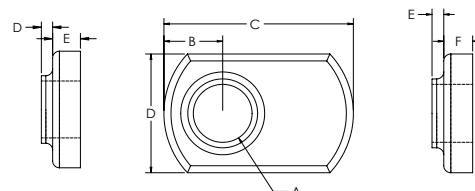


- Economical
- Extrusion end loading

CENTER THREAD



OFFSET THREAD



### CENTER THREAD

ITEM#	FINISH	SERIES	A	B	C	D	E
682888	Bright Zinc	20	M5 x .8	16.00mm	9.60mm	0.80mm	2.40mm
651445	Black Zinc	40	M8 x 1.25	38.00mm	16.00mm	2.00mm	3.60mm

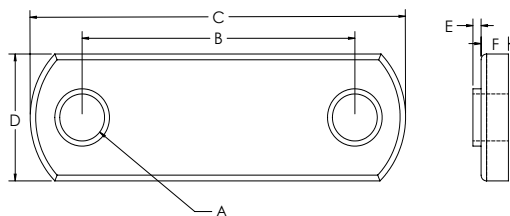
### OFFSET THREAD

ITEM#	FINISH	SERIES	A	B	C	D	E	F
651366	Bright Zinc	40	M6 x 1.0	6.35mm	20.57mm	12.95mm	1.27mm	3.05mm
651367	Bright Zinc	40	M8 x 1.25	7.11mm	25.40mm	16.25mm	2.03mm	3.55mm

## DOUBLE ECONOMY T-NUTS

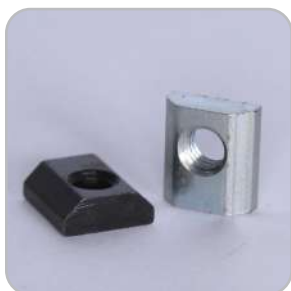


- Economical
- Extrusion end loading
- Convenient and better productivity over single economy T-Nut



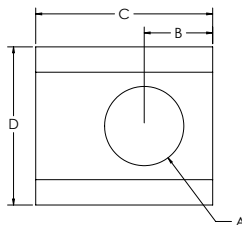
ITEM#	FINISH	SERIES	A	B	C	D	E	F
651461	Black Zinc	40	M8 x 1.25	40mm	76mm	16mm	2.032mm	3.556mm

## STANDARD T-NUTS OFFSET

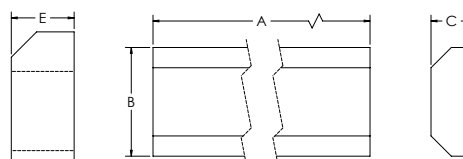


- Extrusion end loading
- Economical

STANDARD



PROFILE



ITEM#	FINISH	SERIES	A	B	C	D	E
651393	Black Zinc	40	M6 x 1.0	6.86mm	17.73mm	15.85mm	6.30mm
651395	Bright Zinc	40	M8 x 1.25	6.86mm	17.73mm	15.85mm	6.30mm

### PROFILES

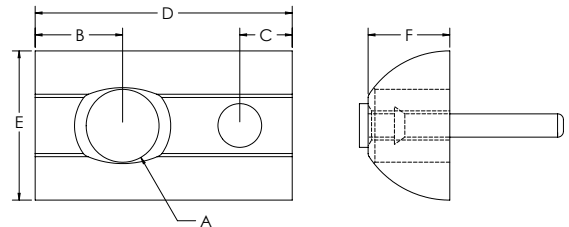
ITEM#	FINISH	SERIES	A	B	C
651475	Mill Finish	40	36.000"	.624"	.248"

# Metric Fasteners

## DROP IN T-NUTS WITH RUBBER HANDLE



- Tapered bottom allows for easy loading and removal from extrusion slot
- Reduces assembly time
- Easy to add and reposition in T-Slot when ends are closed off
- Rubber nub holds T-Nut in vertical T-Slot

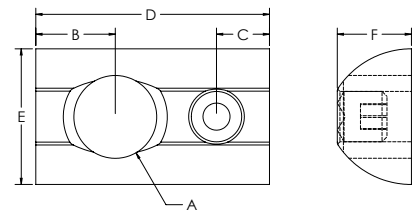


ITEM#	FINISH	SERIES	A	B	C	D	E	F
651372	Bright Zinc	40	M6 x 1.0	7.62mm	4.57mm	22.35mm	12.95mm	7.11mm
651371	Bright Zinc	40	M8 x 1.25	7.62mm	4.57mm	22.35mm	12.95mm	7.11mm

## DROP IN T-NUTS WITH SET SCREW



- Tapered bottom allows for easy loading and removal from extrusion slot
- Reduces assembly time
- Easy to add and reposition in T-Slot when ends are closed off
- Set screw holds T-Nut in vertical T-Slot

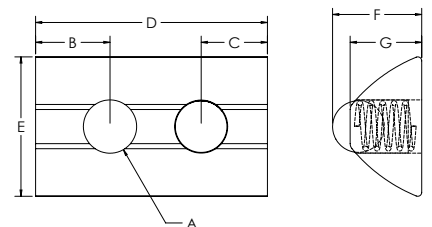


ITEM#	FINISH	SERIES	A	B	C	D	E	F
651425	Bright Zinc	40	M6 x 1.0	7.62mm	5.08mm	22.35mm	12.95mm	7.11mm
651421	Bright Zinc	40	M8 x 1.25	7.62mm	5.08mm	22.35mm	12.95mm	7.11mm

## DROP IN T-NUTS WITH BALL BEARING



- Tapered bottom allows for easy loading and removal from extrusion slot
- Reduces assembly time
- Easy to add and reposition in T-Slot when ends are closed off
- Ball bearing holds T-Nut in vertical T-Slot



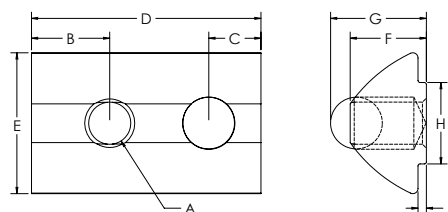
ITEM#	FINISH	SERIES	A	B	C	D	E	F	G
651646	Bright Zinc	40	M5 x .8	7.11mm	6.35mm	22.35mm	13.21mm	8.38mm	6.86mm
651647	Bright Zinc	40	M6 X 1.0	7.11mm	6.35mm	22.35mm	13.21mm	8.38mm	6.86mm
651626	Bright Zinc*	40	M6 X 1.0	6.35mm	6.00mm	23.00mm	18.00mm	8.60mm	6.80mm
651648	Bright Zinc	40	M8 x 1.25	7.11mm	6.35mm	22.35mm	13.21mm	8.38mm	6.86mm

\* Heavy duty tnut

## STEPPED DROP IN T-NUT WITH BALL BEARING



- Zinc plated stainless steel
- Self aligning roll in T-SLOT nut with spring ball

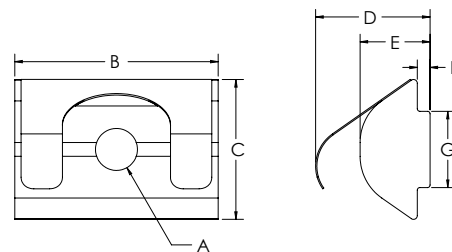


ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H	J
651551	Bright Zinc	20	M5 x .8	3.80mm	3.00mm	12.00mm	7.70mm	4.00mm	5.00mm	4.90mm	0.60mm
651623	Bright Zinc	40	M4 x .7	7.62mm	5.08mm	22.00mm	13.50mm	7.20mm	8.95mm	7.80mm	0.80mm
664111	Bright Zinc	40	M5 x .8	7.62mm	5.08mm	22.00mm	13.50mm	7.20mm	8.95mm	7.80mm	0.80mm
664112	Bright Zinc	40	M6 x 1.0	7.62mm	5.08mm	22.00mm	13.50mm	7.20mm	8.95mm	7.80mm	0.80mm
664113	Bright Zinc	40	M8 x 1.25	7.62mm	5.08mm	22.00mm	13.50mm	7.20mm	8.95mm	7.80mm	0.80mm

## STEPPED DROP IN T-NUT WITH SPRING LEAF



- Zinc plated steel
- Self aligning roll in t-nut with spring leaf

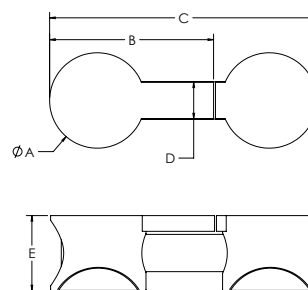


ITEM#	FINISH	SERIES	A	B	C	D	E	F	G
651711	Bright Zinc	40	M5 x .8	22.00mm	13.00mm	13.40mm	7.19mm	0.79mm	7.80mm
651712	Bright Zinc	40	M6 x 1.0	22.00mm	13.00mm	13.40mm	7.19mm	0.79mm	7.80mm
651713	Bright Zinc	40	M8 x 1.25	22.00mm	13.00mm	13.40mm	7.19mm	0.79mm	7.80mm

## BUTT FASTENERS



- Allows you to butt two extrusions end to end for maximum strength and alignment
- See page 466 for machining



ITEM#	FINISH	SERIES	A	B	C	D	E
651154	Bright Zinc	40	20.32mm	35.05mm	56.90mm	7.87mm	16.00mm
651633	Black	40	20.32mm	35.05mm	56.90mm	7.87mm	16.00mm



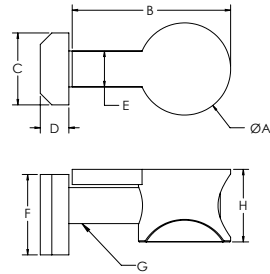
# Metric Fasteners

## ANCHOR FASTENERS



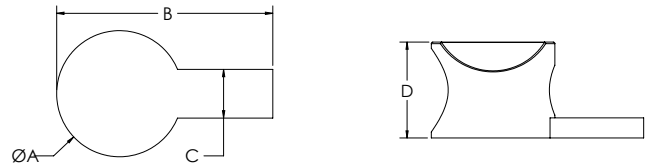
- Strongest of available fasteners
- Creates 90 degree T-Slot connections
- All T-Nuts are offset
- See page 466 for machining

STANDARD TNUT



ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H
651424	Bright Zinc	40	20.32mm	35.05mm	15.85mm	6.35mm	7.87mm	17.78mm	M8 x 30mm SHCS	16.00mm
651617	Black	40	20.32mm	35.05mm	15.85mm	6.35mm	7.87mm	17.78mm	M8 x 30mm SHCS	16.00mm

## ANCHOR FASTENER CAMS

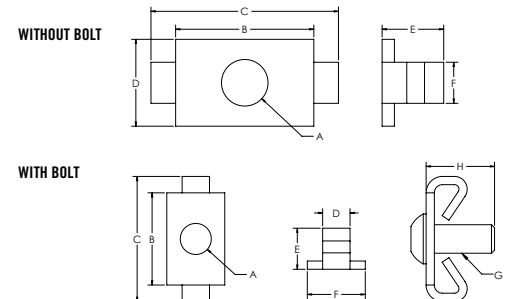


ITEM#	FINISH	SERIES	A	B	C	D
651147	Bright Zinc	40	20.32mm	35.05mm	7.87mm	16.00mm
651565	Black	40	20.32mm	35.05mm	7.87mm	16.00mm

## END FASTENERS



- Provides a hidden fastener when connecting extrusions at 90 degrees
- Mating extrusions glide over end fastener
- Tapping service required in the extrusion base end and access hole in the mating extrusion
- Prevents mating extrusion from rotating



ITEM#	FINISH	SERIES	A	B	C	D	E	F
651289	Bright Zinc	40	8.63mm	25.65mm	34.80mm	16.25mm	11.43mm	7.62mm
651160	Black Zinc	40	8.63mm	25.65mm	34.80mm	16.25mm	11.43mm	7.62mm

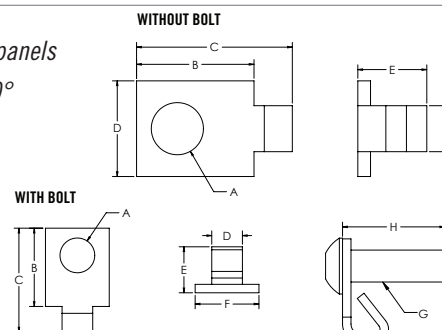
### WITH BOLTS

ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H
651418	Bright Zinc	40	8.63mm	25.65mm	34.80mm	7.62mm	11.43mm	16.25mm	M8 x 20mm BHSCS	20.00mm

## SINGLE TAB END FASTENERS



- Allows for panels to mate in slots without having to notch panels
- Provides hidden fastener when connecting extrusions at 90°
- Mating extrusions glide over end fastener
- Tapping service required in the extrusion base end and access hole in the mating extrusions



ITEM#	FINISH	SERIES	A	B	C	D	E	F
651495	Bright Zinc	40	8.63mm	19.56mm	25.91mm	7.62mm	11.43mm	15.75mm

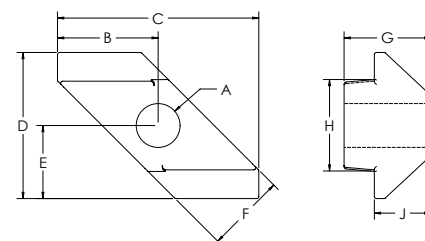
### WITH BOLTS

ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H
651502	Bright Zinc	40	8.63mm	19.56mm	25.91mm	7.62mm	11.43mm	15.75mm	M8 x 20mm BHSCS	24.89mm

## Z-NUTS



- Design allows for easy loading from extrusion slot
- Metric thread size only

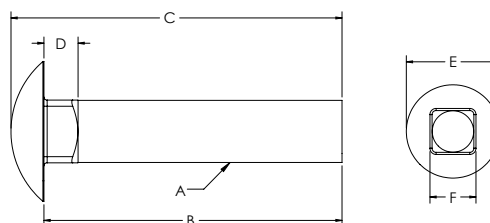


ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H	J
662002	Bright Zinc	40	M5 x .08	9.65mm	19.30mm	14.00mm	7.00mm	7.60mm	8.30mm	8.76mm	5.41mm
662001	Bright Zinc	40	M6 x 1.0	9.65mm	19.30mm	14.00mm	7.00mm	7.60mm	8.30mm	8.76mm	5.41mm

## ECONOMY TLOTS STUDS



- Extrusion end loading only



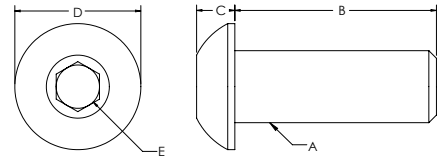
ITEM#	FINISH	SERIES	A	B	C	D	E	F
651378	Bright Zinc	40	M8	20.00mm	24.40mm	5.00mm	19.35mm	8.00mm
651379	Bright Zinc	40	M8	25.00mm	29.40mm	5.00mm	19.35mm	8.00mm
651380	Bright Zinc	40	M8	30.00mm	34.40mm	5.00mm	19.35mm	8.00mm
651381	Bright Zinc	40	M8	35.00mm	39.40mm	5.00mm	19.35mm	8.00mm

# Metric Fasteners

## BUTTON HEAD SOCKET CAP SCREW & ASSEMBLIES



- Grade 8 or stronger
- Alloy steel
- ANSI B18.3 rating



ITEM#	FINISH	A	B	C	D	E
651615	Black Phosphate	M5	8mm	2.75mm	9.50mm	3.44mm
651625	Bright Zinc	M5	8mm	2.75mm	9.50mm	3.44mm
699939	Black Phosphate	M5	10mm	2.75mm	9.50mm	3.44mm
699936	Black Phosphate	M6	10mm	3.15mm	10.35mm	4.58mm
681430	Stainless Steel	M6	10mm	3.15mm	10.35mm	4.58mm
651333	Black Phosphate	M6	12mm	3.15mm	10.35mm	4.58mm
683512	Stainless Steel	M6	12mm	3.15mm	10.35mm	4.58mm
651570	Black Phosphate	M6	14mm	3.15mm	10.35mm	4.58mm
683210	Stainless Steel	M6	14mm	3.15mm	10.35mm	4.58mm
651335	Black Phosphate	M6	16mm	3.15mm	10.35mm	4.58mm
659232	Stainless Steel	M6	16mm	3.15mm	10.35mm	4.58mm
651579	Black Phosphate	M6	18mm	3.15mm	10.35mm	4.58mm
683044	Stainless Steel	M6	18mm	3.15mm	10.35mm	4.58mm
651340	Black Phosphate	M6	20mm	3.15mm	10.35mm	4.58mm
651661	Bright Zinc	M6	20mm	3.15mm	10.35mm	4.58mm
683163	Stainless Steel	M6	20mm	3.15mm	10.35mm	4.58mm
651341	Black Phosphate	M6	25mm	3.15mm	10.35mm	4.58mm
651343	Black Phosphate	M8	12mm	4.25mm	13.75mm	5.72mm
651580	Black Phosphate	M8	14mm	4.25mm	13.75mm	5.72mm
651345	Black Phosphate	M8	16mm	4.25mm	13.75mm	5.72mm
681883	Stainless Steel	M8	16mm	4.25mm	13.75mm	5.72mm
651581	Black Phosphate	M8	18mm	4.25mm	13.75mm	5.72mm
683164	Stainless Steel	M8	18mm	4.25mm	13.75mm	5.72mm
651347	Black Phosphate	M8	20mm	4.25mm	13.75mm	5.72mm
659929	Stainless Steel	M8	20mm	4.25mm	13.375mm	5.72mm
651351	Black Phosphate	M8	25mm	4.25mm	13.75mm	5.72mm

### BUTTON HEAD SOCKET CAP SCREW COMBINATION PARTS

ITEM#	SERIES	BOLT ITEM	FINISH	THREAD	LENGTH	TNUT ITEM	TNUT TYPE	FINISH
651593	10	683210	Stainless Steel	M6	14mm	651386	Economy	Black Zinc
651594	10	659232	Stainless Steel	M6	16mm	651386	Economy	Black Zinc
651595	10	683044	Stainless Steel	M6	18mm	651386	Economy	Black Zinc
651596	10	683163	Stainless Steel	M6	20mm	651386	Economy	Black Zinc
651709	20	651615	Black Phosphate	M5	8mm	651551	Drop-In	Bright Zinc
651601	40	683210	Stainless Steel	M6	14mm	651366	Economy	Black Zinc
651771	40	651335	Black Phosphate	M6	16mm	651366	Economy	Black Zinc
651602	40	659232	Stainless Steel	M6	16mm	651366	Economy	Black Zinc
651793	40	651579	Black Phosphate	M6	16mm	651366	Economy	Black Zinc

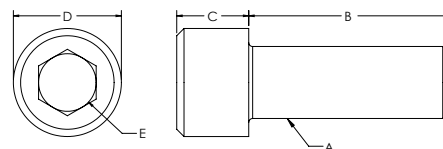
CONTINUED NEXT PAGE

651603	40	683044	Stainless Steel	M6	18mm	651366	Economy	Black Zinc
651772	40	651340	Black Phosphate	M6	20mm	651352	Hex Nut	Black Zinc
651604	40	683163	Stainless Steel	M6	20mm	651366	Economy	Black Zinc
651767	40	651343	Black Phosphate	M8	12mm	651367	Economy	Black Zinc
651507	40	651345	Black Phosphate	M8	16mm	651395	Standard	Black Zinc
651508	40	651345	Black Phosphate	M8	16mm	651648	Drop-In	Bright Zinc
651506	40	651345	Black Phosphate	M8	16mm	651367	Economy	Black Zinc
651521	40	651345	Black Phosphate	M8	16mm	651461	DBL Economy	Black Zinc
651605	40	681883	Stainless Steel	M8	16mm	651366	Economy	Black Zinc
651606	40	683164	Stainless Steel	M8	18mm	651366	Economy	Black Zinc
651607	40	659929	Stainless Steel	M8	20mm	651366	Economy	Black Zinc
651788	40	651347	Black Phosphate	M8	20mm	651367	Economy	Black Zinc

## SOCKET HEAD CAP SCREWS & ASSEMBLIES



- Grade 8 or stronger
- Alloy steel
- ANSI B18.3 rating



ITEM#	FINISH	A	B	C	D	E
699933	Black Phosphate	M5	16mm	4.91mm	8.33mm	4.58mm
699932	Black Phosphate	M6	10mm	5.85mm	10.00mm	5.72mm
651332	Black Phosphate	M6	12mm	5.85mm	10.00mm	5.72mm
651546	Black Phosphate	M6	14mm	5.85mm	10.00mm	5.72mm
658467	Stainless Steel	M6	14mm	5.85mm	10.00mm	5.72mm
651334	Black Phosphate	M6	16mm	5.85mm	10.00mm	5.72mm
680015	Stainless Steel	M6	16mm	5.85mm	10.00mm	5.72mm
651573	Black Phosphate	M6	18mm	5.85mm	10.00mm	5.72mm
683159	Stainless Steel	M6	18mm	5.85mm	10.00mm	5.72mm
651337	Black Phosphate	M6	20mm	5.85mm	10.00mm	5.72mm
683162	Stainless Steel	M6	20mm	5.85mm	10.00mm	5.72mm
651338	Black Phosphate	M6	25mm	5.85mm	10.00mm	5.72mm
658592	Black Phosphate	M6	35mm	5.85mm	10.00mm	5.72mm
651342	Black Phosphate	M8	12mm	7.82mm	13.10mm	6.86mm
651575	Black Phosphate	M8	14mm	7.82mm	13.10mm	6.86mm
651344	Black Phosphate	M8	16mm	7.82mm	13.10mm	6.86mm
683160	Stainless Steel	M8	16mm	7.82mm	13.10mm	6.86mm
651577	Black Phosphate	M8	18mm	7.82mm	13.10mm	6.86mm
683161	Stainless Steel	M8	18mm	7.82mm	13.10mm	6.86mm
651346	Black Phosphate	M8	20mm	7.82mm	13.10mm	6.86mm
681379	Stainless Steel	M8	20mm	7.82mm	13.10mm	6.86mm
651350	Black Phosphate	M8	25mm	7.82mm	13.10mm	6.86mm
651616	Black Phosphate	M8	30mm	7.82mm	13.10mm	6.86mm
651354	Bright Zinc	M8	30mm	7.82mm	13.10mm	6.86mm
682660	Black Phosphate	M8	35mm	7.82mm	13.10mm	6.86mm

# Metric Fasteners

## SOCKET HEAD SOCKET CAP SCREWS (CONTINUED)

ITEM#	FINISH	A	B	C	D	E
651542	Black Phosphate	M8	40mm	7.82mm	13.10mm	6.86mm
651562	Black Phosphate	M8	45mm	7.82mm	13.10mm	6.86mm
651553	Black Phosphate	M8	50mm	7.82mm	13.10mm	6.86mm
651563	Black Phosphate	M8	60mm	7.82mm	13.10mm	6.86mm
651564	Black Phosphate	M8	80mm	7.82mm	13.10mm	6.86mm
651552	Black Phosphate	M8	90mm	7.82mm	13.10mm	6.00mm
651541	Black Phosphate	M10	40mm	9.82mm	13.10mm	8.10mm

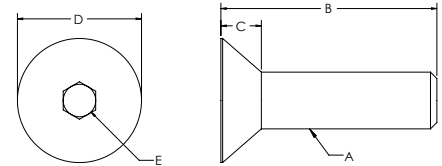
## SOCKET HEAD CAP SCREWS COMBINATION PARTS

ITEM#	SERIES	BOLT ITEM	FINISH	THREAD	LENGTH	TNUT ITEM	TNUT TYPE	FINISH
651597	10	658467	Stainless Steel	M6	14mm	651386	Economy	Black Zinc
651734	10	651334	Black Phosphate	M6	16mm	651386	Economy	Black Zinc
651598	10	680015	Stainless Steel	M6	16mm	651386	Economy	Black Zinc
651599	10	683159	Stainless Steel	M6	18mm	651386	Economy	Black Zinc
651600	10	683162	Stainless Steel	M6	20mm	651386	Economy	Black Zinc
651787	40	699933	Black Phosphate	M5	16mm	651646	Drop-In	Bright Zinc
651776	40	651332	Black Phosphate	M6	12mm	651366	Economy	Black Zinc
651608	40	658467	Stainless Steel	M6	14mm	651366	Economy	Black Zinc
651774	40	651334	Black Phosphate	M6	16mm	651366	Economy	Black Zinc
651609	40	680015	Stainless Steel	M6	16mm	651366	Economy	Black Zinc
651610	40	683159	Stainless Steel	M6	18mm	651366	Economy	Black Zinc
651775	40	651337	Black Phosphate	M6	20mm	651366	Economy	Black Zinc
651611	40	683162	Stainless Steel	M6	20mm	651366	Economy	Black Zinc
651777	40	651338	Black Phosphate	M6	25mm	651366	Economy	Black Zinc
651778	40	682072	Black Phosphate	M6	30mm	651366	Economy	Black Zinc
651779	40	682542	Black Phosphate	M6	40mm	651366	Economy	Black Zinc
651780	40	651344	Black Phosphate	M8	16mm	651367	Economy	Black Zinc
651612	40	683160	Stainless Steel	M8	16mm	651367	Economy	Black Zinc
651769	40	651577	Black Phosphate	M8	18mm	651367	Economy	Black Zinc
651613	40	683161	Stainless Steel	M8	18mm	651367	Economy	Black Zinc
651614	40	681379	Stainless Steel	M8	20mm	651367	Economy	Black Zinc
651512	40	651344	Black Phosphate	M8	16mm	651367	Economy	Bright Zinc
651426	40	651346	Black Phosphate	M8	20mm	651367	Economy	Bright Zinc

## FLATHEAD SOCKET CAP SCREW



- Grade 8 or stronger
- Alloy steel
- ANSI B18.3 rating



ITEM#	FINISH	A	B	C	D	E
651680	Black Phosphate	M4	8mm	2.20mm	8.00mm	2.5mm
682924	Black Phosphate	M5	16mm	3.00mm	9.70mm	3mm
651582	Black Phosphate	M5	20mm	3.00mm	9.70mm	3mm
651515	Black Phosphate	M6	12mm	3.72mm	11.78mm	4mm
651571	Black Phosphate	M6	14mm	3.72mm	11.78mm	4mm
651516	Black Phosphate	M6	16mm	3.72mm	11.78mm	4mm
651572	Black Phosphate	M6	18mm	3.72mm	11.78mm	4mm
651549	Black Phosphate	M6	20mm	3.72mm	11.78mm	4mm
683581	Black Phosphate	M6	22mm	3.72mm	11.78mm	4mm
651578	Black Phosphate	M8	12mm	4.96mm	15.66mm	5mm
651574	Black Phosphate	M8	14mm	4.96mm	15.66mm	5mm
651517	Black Phosphate	M8	16mm	4.96mm	15.66mm	5mm
651576	Black Phosphate	M8	18mm	4.96mm	15.85mm	5mm
651518	Bright Zinc	M8	20mm	4.96mm	15.85mm	5mm

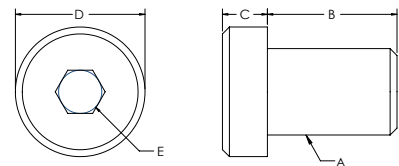
### FLAT HEAD CAP SCREWS COMBINATION PARTS

ITEM#	SERIES	BOLT ITEM	FINISH	THREAD	LENGTH	TNUT ITEM	TNUT TYPE	FINISH
651728	40	682924	Black Phosphate	M5	16mm	671338	Hammer Nut	Bright Zinc
651729	40	651582	Black Phosphate	M5	20mm	671338	Hammer Nut	Bright Zinc
651768	40	651571	Black Phosphate	M6	14mm	651366	Economy	Black Zinc
651773	40	651516	Black Phosphate	M6	16mm	651366	Economy	Black Zinc
651741	40	651516	Black Phosphate	M6	20mm	651352	Hex Nut	Black Zinc

## LOWHEAD SOCKET CAP SCREW

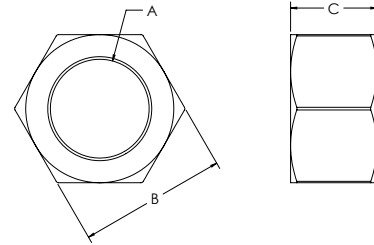


- Grade 8 or stronger
- Alloy steel
- ANSI B18.3 rating



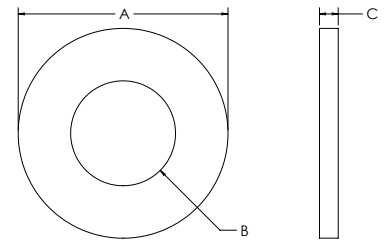
ITEM#	FINISH	A	B	C	D	E
683074	Stainless Steel	M8	25.00mm	5.00mm	13.00mm	5mm
682961	Black Phosphate	M8	30.00mm	4.93mm	12.90mm	5mm

## HEX NUTS



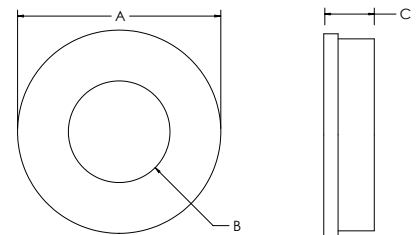
ITEM#	FINISH	A	B	C
651352	Black Zinc	M6	9.80mm	4.80mm
651353	Black Zinc	M8	12.80mm	6.30mm
680597	Bright Zinc	M12	18.80mm	9.80mm

## WASHERS



ITEM#	FINISH	TYPE	A	B	C
651550	Bright Zinc	M5	10.00mm	5.20mm	1.00mm
651388	Bright Zinc	M6	11.80mm	6.50mm	1.60mm
651387	Black Zinc	M8	15.70mm	8.50mm	1.75mm
681813	Bright Zinc	M10	19.75mm	10.60mm	2.00mm

## WASHERS WITH RUBBER SEAL

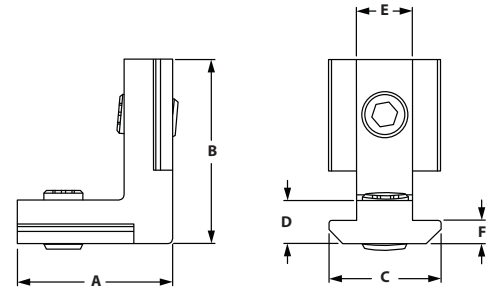


ITEM#	FINISH	TYPE	A	B	C
683422	Stainless Steel	M6	12.70mm	6.60mm	2.50mm
683139	Stainless Steel	M8	15.88mm	8.38mm	2.50mm

## INNER CONNECTORS



- Connects two extrusions at a 90° angle
- No machining required



**ITEM#**  
671654

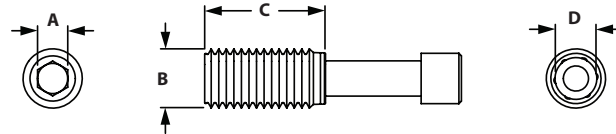
**SERIES**  
40

**A** 21.00mm   **B** 30.00mm   **C** 15.80mm   **D** 7.80mm   **E** 8.00mm   **F** 6.00mm

## T-MATIC CONNECTORS



- Connects two extrusions at a 90° angle
- No machining required
- T-nut included



**ITEM#**  
683553

**SERIES**  
40

**FINISH**  
Bright Zinc

**ITEM#**  
683583

**SERIES**  
40

**FINISH**  
Stainless Steel

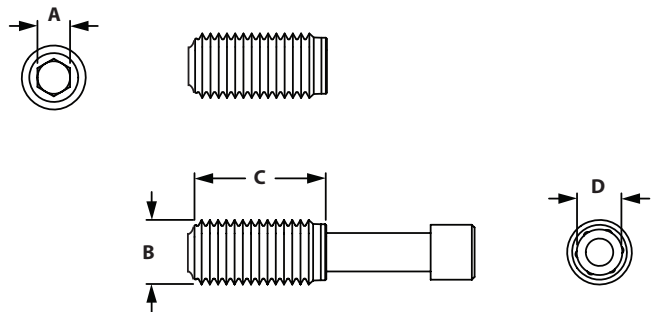
**A** 6.00mm   **B** 12.00mm   **C** 24.00mm   **D** T50

**A** 6.00mm   **B** 12.00mm   **C** 24.00mm   **D** T50

## T-MATIC BUTT CONNECTORS



- Connects two extrusions face-to-face
- No machining required



**ITEM#**  
683619

**SERIES**  
40

**FINISH**  
Stainless Steel

**SCREW**  
M6 X 50mm SHCS

**A** 6.00mm   **B** 12.00mm   **C** 31.00mm   **D** 6.00mm



# CONTENT

## 05 TSLOTS Hardware

Hinges .....	398-402
Handles .....	403-405
Door Catches .....	406-411
Door Slide Track .....	411
Tool Hangers & Clamp .....	412-413
Binder Clips & Binding Blocks .....	413-414
End Caps & Covers .....	415-416
Casters .....	417-419
Leveling Feet .....	420-421
Base Plates .....	422-424
Floor Mounts .....	425
Pivot Joints .....	426-427

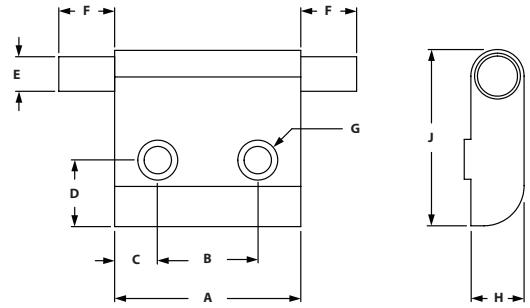
## 05 HARDWARE METRIC

# Heavy Duty Lift Off Hinges

## HEAVY DUTY LIFT OFF HINGES



- Heavy duty lift off hinges are strong and durable
- Mounting fasteners included



### RIGHT HAND HINGES

ITEM#	SERIES	PIN	A	B	C	D	E	F	G	H	J
699689	40	Short	44.45mm	23.88mm	10.29mm	15.88mm	6.35mm	9.14mm	6.53mm	12.70mm	43.05mm
699690	40	Long	44.45mm	23.88mm	10.29mm	15.88mm	6.35mm	19.05mm	6.53mm	12.70mm	43.05mm

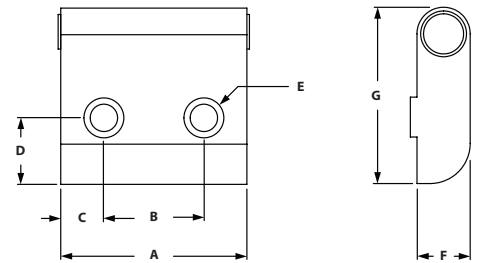
### LEFT HAND HINGES

ITEM#	SERIES	PIN	A	B	C	D	E	F	G	H	J
699691	40	Short	44.45mm	23.88mm	10.29mm	15.88mm	6.35mm	9.14mm	6.53mm	12.70mm	43.05mm
699692	40	Long	44.45mm	23.88mm	10.29mm	15.88mm	6.35mm	19.05mm	6.53mm	12.70mm	43.05mm

## HEAVY DUTY HINGE BUSHINGS



- Heavy duty bushing for lift off hinges to create assemblies
- Engineered Polymer bushing
- Mounting fasteners included



ITEM#	SERIES	A	B	C	D	E	F	G
699693	40	44.45mm	23.88mm	10.29mm	15.88mm	6.53mm	12.70mm	43.05mm

### INCLUDED FASTENERS

SERIES	QTY	BOLT #	BOLT DESCRIPTION	TNUT #	TNUT DESCRIPTION
40	2	651334	M6 x 16mm SHCS	651366	Economy

## HEAVY DUTY LIFT OFF HINGE ASSEMBLIES



- Heavy duty hinge assembly comes with 1 bushing and 1 left or right hinge
- Short and long pins are available
- Mounting fasteners included

### ASSEMBLY PARTS

ITEM#	SERIES	PIN	STYLE	BUSHING (QTY)	HINGE (QTY)
699694	40	Short	Left Hand	699693 (1)	699691 (1)
699695	40	Short	Right Hand	699693 (1)	699689 (1)
699696	40	Long	Left Hand	699693 (1)	699692 (1)
699697	40	Long	Right Hand	699693 (1)	699690 (1)

## HEAVY DUTY LIFT OFF PAIR HINGE ASSEMBLIES



- Heavy duty lift off pair assembly comes with 2 bushings and 1 short and long hinge
- Available in left and right hand
- Mounting fasteners included

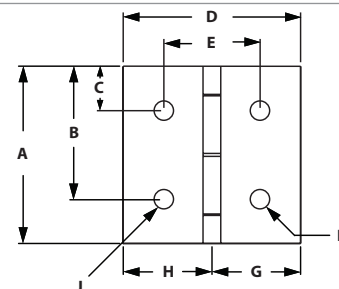
### ASSEMBLY PARTS

ITEM#	SERIES	STYLE	BUSHING (QTY)	SHORT HINGE (QTY)	LONG HINGE (QTY)
699698	40	Left Hand	699693 (2)	699691 (1)	699692 (1)
699699	40	Right Hand	699693 (2)	699689 (1)	699690 (1)

## ALUMINUM HINGES



- Hinges TSLOTS extrusions together
- Low profile mounts to T-Slot
- Clear anodize finish matches T-slot finish
- Gap of .050" between extrusions



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	CAPACITY
655082	40	3.000"	2.250"	.750"	3.000"	1.625"	.328"	1.500"	1.500"	.328"	75lbs

### RECOMMENDED FASTENERS

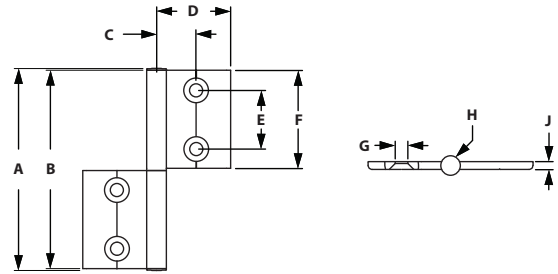
ITEM#	SERIES	QTY	DESCRIPTION
651767	40	4	M8 x 12mm BHSCS & Economy Trut

# TSLOTS Hardware

## CONCEALED ALUMINUM HINGE



- For panels and aluminum profiles
- Individual assembly of concealed hinges



ITEM#	SERIES	A	B	C	D	E	F	G	H	J
682865	40	103mm	101mm	25mm	42mm	30mm	50mm	ø6.4mm	ø10mm	4mm

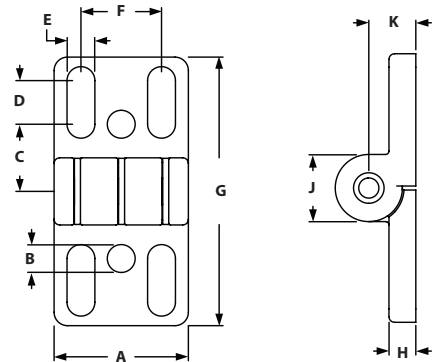
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651768	40	4	M6 x 14mm FHSCS & Economy Tnut

## UNIVERSAL DOOR HINGE WITH OBLONG HOLES



- Hinges panels or extrusions
- Oblong holes allow you to adjust the gap of the door or panel
- Die-cast black powder coated



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655768	40	40mm	8.3mm	20mm	13mm	8.3mm	24mm	80mm	8mm	20mm	14mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

ITEM#	SERIES	QTY	DESCRIPTION
651769	40	4	M8 x 18mm SHCS & Offset Economy Tnut

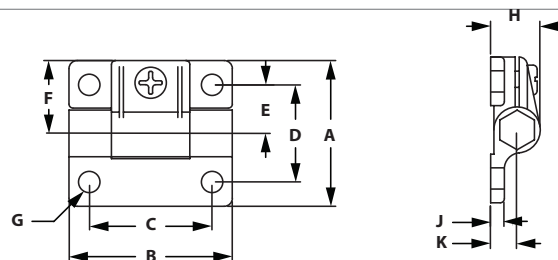
### RECOMMENDED FASTENERS (TO PANEL)

ITEM#	SERIES	QTY	BOLT
651770	40	4	M8 x 20mm FHSCS w/Hex Nut & Washer

## PLASTIC ADJUSTABLE HINGES



- Allows you to mount plastic panels and doors directly to TSLOTS
- Adjustable hinge allows you to increase or decrease pivot tension
- Adjustable Hinges are not suitable for hinging two TSLOTS extrusions together



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655077	40	57.15mm	63.50mm	47.75mm	38.10mm	19.00mm	28.58mm	6.86mm	19.56mm	5.08mm	10.40mm

### RECOMMENDED FASTENERS (MOUNT TO EXTRUSION)

ITEM#	SERIES	QTY	DESCRIPTION
651771	40	2-4	M6 x 16mm BHSCS & Economy Tnut

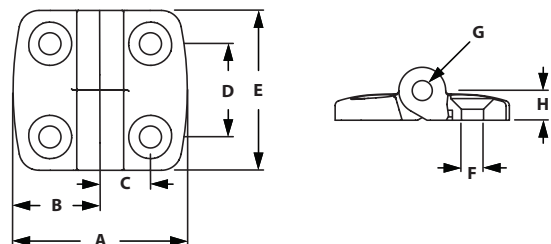
### RECOMMENDED FASTENERS (MOUNT TO PANEL)

ITEM#	SERIES	QTY	DESCRIPTION
651772	40	2	M6 x 20mm BHSCS w/Hex Nut & Washer

## PLASTIC LIFT OFF HINGES



- Hinges panels or extrusions
- Black fiberglass reinforced nylon, stainless steel bolt



ITEM#	SERIES	LIFT OFF	A	B	C	D	E	F	G	H
655776	40	Right Hand	77mm	38.5mm	22.5mm	28mm	48mm	6.6mm	14mm	9mm
655775	40	Left Hand	77mm	38.5mm	22.5mm	28mm	48mm	6.6mm	14mm	9mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

ITEM#	SERIES	QTY	DESCRIPTION
651773	40	4	M6 x 16mm FHSCS & Offset Economy Tnut

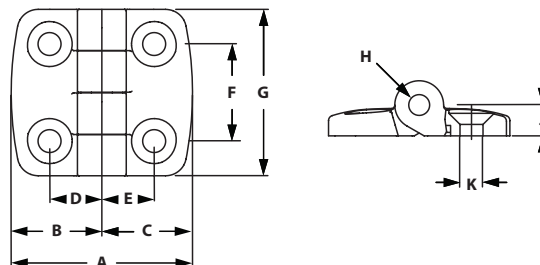
### RECOMMENDED FASTENERS (TO PANEL)

ITEM#	SERIES	QTY	BOLT
651741	40	4	M6 x 20mm FHSCS w/Hex Nut & Washer

## PLASTIC HINGES



- Black fiberglass reinforced nylon, stainlesssteel bolt
- Hinges TLOTS Extrusions together



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655680	40	71.00mm	35.50mm	35.50mm	20.00mm	20.00mm	28.00mm	48.00mm	6.00mm	9.00mm	6.60mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651773	40	4	M6 x 16mm FHSCS & Economy Tnut

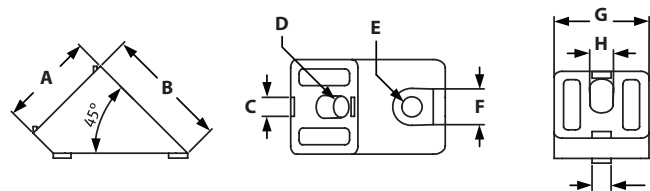
### RECOMMENDED FASTENERS (TO PANEL)

ITEM#	SERIES	QTY	BOLT
651741	40	4	M6 x 20mm FHSCS w/Hex Nut & Washer

## 45° CONNECTOR ANGLE 40



- Connects two extrusions at 45° angle
- Die-cast zinc



ITEM#	SERIES	A	B	C	D	E	F	G	H	J
655767	40	40mm	52mm	8mm	9mm	8.5mm	15mm	40mm	10mm	8mm

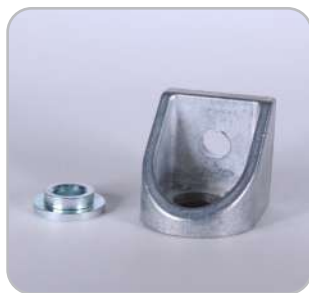
### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	BOLT	TNUT
651512	40	1	M8 x 16mm SHCS	Economy

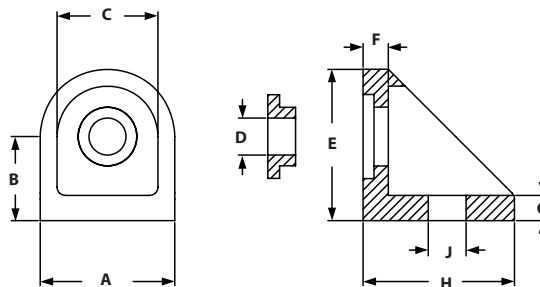
### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY	BOLT
651350	40	1	M8 x 16mm SHCS

## ADJUSTABLE ANGLE 40



- Connects extrusions at various angles
- Can be turned freely when mounted
- Die-cast zinc



ITEM#	SERIES	A	B	C	D	E	F	G	H	J
664110	40	32mm	20mm	24mm	8.8mm	36mm	6mm	6mm	36mm	9mm

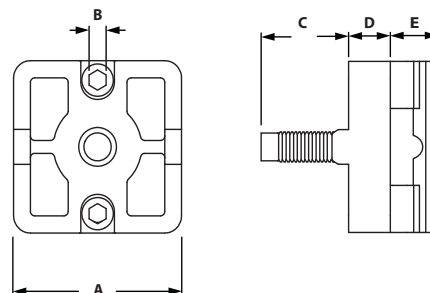
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	BOLT	TNUT
651512	40	1	M8 x 16mm SHCS	Economy

## PLATE CONNECTOR



- Connects two extrusions to form a tee connection
  - Connecting hardware included
    - 1 wedge, zinc plated
    - 2 M4 x 14mm Cylinder Head Screws
    - 1 Self Tapping SF7 x 25mm Hex Screw
- \* HARDWARE INCLUDED

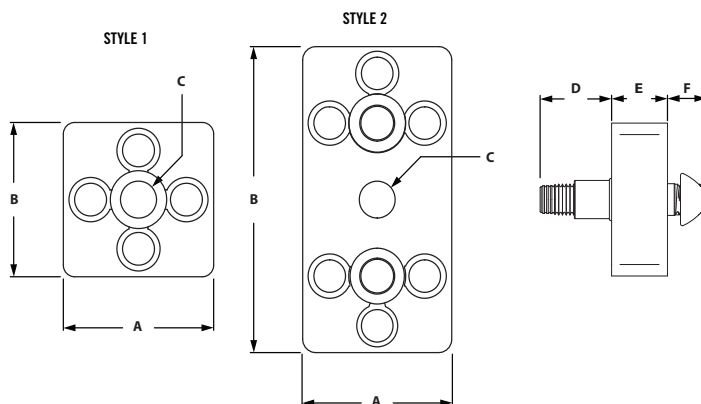


ITEM#	MATERIAL	COLOR	SERIES	A	B	C	D	E
683585	Plastic	Black	40	40MM	4mm	21mm	10mm	11.5mm

## PLATE CONNECTOR



- Connects two extrusions to form a tee connection
- Connecting hardware included
  - STYLE 1
    - 1 Self Tapping SF7 x 25mm Screw
    - 1 M8 Double tnut
    - 2 M8 Shaft Screws
  - STYLE 2
    - 2 Self Tapping SF7 x 25mm Screw
    - 1 M8 Double tnut
    - M8 Shaft Screws



ITEM#	F	SERIES	STYLE	A	B	C	D	E	F
683605	Plain	40	1	40mm	40mm	10mm	19mm	15mm	10.5mm
683604	Alu Color	40	1	40mm	40mm	10mm	19mm	15mm	10.5mm
683586	Alu Color	40	2	40mm	80mm	10mm	19mm	15mm	10.5mm

\* HARDWARE INCLUDED

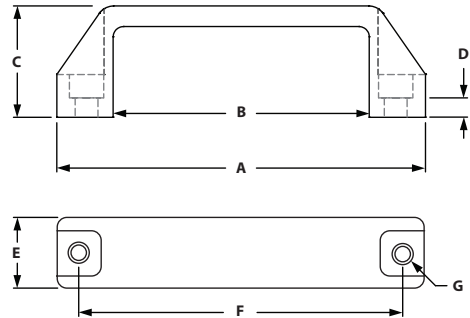


# TSLOTS Hardware

## PLASTIC DOOR HANDLES



- Mounts directly to Tslots or machined panel
- Made of black nylon



ITEM#	SIZE	SERIES	A	B	C	D	E	F	G
655059	Medium	40	136.40mm	94.70mm	41.15mm	6.10mm	26.16mm	114.30mm	8.51mm
655058	Large	40	198.40mm	150.60mm	50.80mm	7.90mm	30.00mm	177.00mm	8.51mm

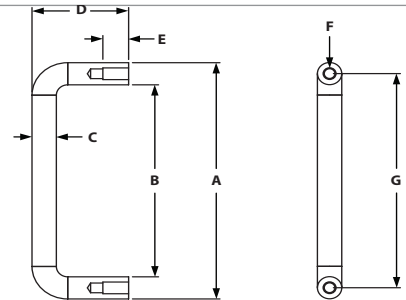
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651769	40	2	M8 x 18mm SHCS & Economy Tnut

## STEEL DOOR HANDLES



- Mounts directly to panel
- Machining required



ITEM#	SERIES	A	B	C	D	E	F	G
655068	40	84.10mm	68.30mm	7.90mm	31.20mm	7.95mm	8-32 TAP	83.80mm

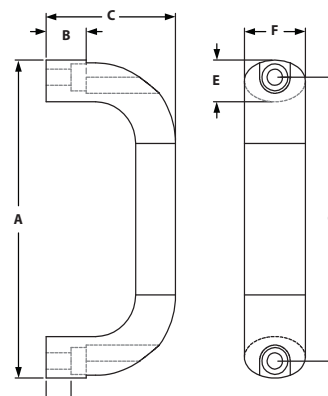
### INCLUDED FASTENERS

ITEM#	QTY	DESCRIPTION
651006	2	8-32 x 1/2" BHSCS

## ALUMINUM DOOR HANDLES



- Mounts directly in extrusion slot or machined panel
- Corrosion resistant



ITEM#	SERIES	A	B	C	D	E	F	G
655562	40	130.00mm	17.00mm	55.10mm	10.80mm	17.00mm	25.90mm	116.00mm

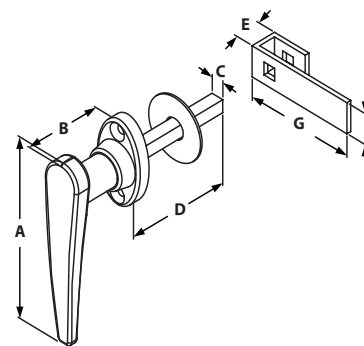
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651775	40	2	M6 x 20mm SHCS & Economy Trut

## DELUXE DOOR HANDLE



- Corrosion resistant chrome finish
- Ideal for cabinets and guarding
- Door Latch Milling Machining Service required – item number 660086, page 469.



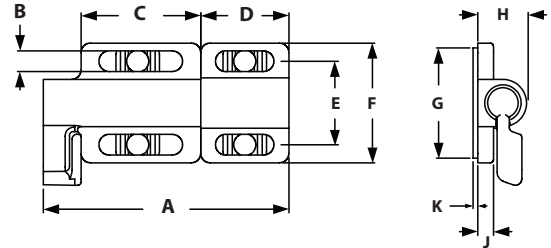
ITEM#	TYPE	SERIES	A	B	C	D	E	F	G
655053	Non-Locking	40	111.10mm	50.80mm	7.90mm	65.86mm	19.00mm	19.00mm	69.90mm
655061	Locking	40	111.10mm	50.80mm	7.90mm	65.86mm	19.00mm	19.00mm	69.90mm

# TLOTS Hardware

## 90° DEADBOLT LATCH



- Positive, spring loaded deadbolt
- Ideal for enclosure doors
- Stainless Steel bolt and spring



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655103	40	78.00mm	6.60mm	38.00mm	30.00mm	26.50mm	38.00mm	35.00mm	16.00mm	5.00mm	1.50mm

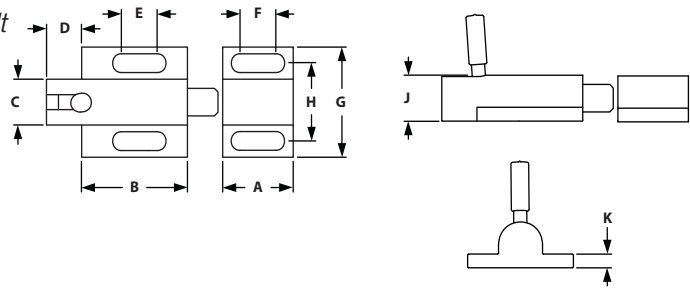
### INCLUDED FASTENERS

ITEM#	QTY	DESCRIPTION
651022	4	1/4-20 x 1/2" SHCS
651163	4	1/4-20 Economy Trnut

## 0° DEADBOLT W/ TOP LATCH



- Positive, spring loaded deadbolt
- Ideal for enclosure doors
- Stainless steel bolt and spring



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655051	40	25.40mm	38.10mm	15.90mm	12.70mm	12.90mm	12.70mm	38.10mm	27.00mm	15.90mm	4.75mm

### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651776	40	4	M6 X 12mm SHCS & Economy Trnut

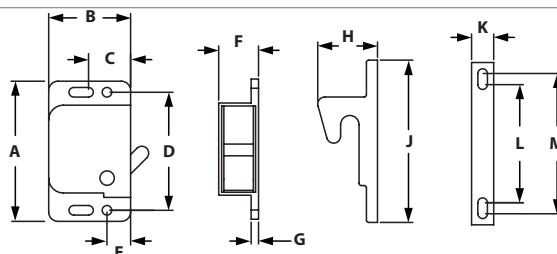
### INCLUDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651022	10	4	1/4-20 x 1/2" SHCS
651163	10	4	1/4-20 Economy T-nut

## GRABBER™ DOOR CATCH



- Mounts inside your enclosure
- Push to close, pull to open
- Spring loaded over center action
- 3 pull-up forces to choose from
- Corrosion resistant black ABS



ITEM#	PULL FORCE	SERIES	A	B	C	D	E	F	G	H	J	K	L	M
655067	3 lb	40	48.30mm	28.20mm	14.50mm	40.64mm	8.10mm	13.70mm	2.50mm	20.58mm	55.90mm	7.60mm	40.64mm	48.30mm
655085	5 lb	40	48.30mm	28.20mm	14.50mm	40.64mm	8.10mm	13.70mm	2.50mm	20.58mm	55.90mm	7.60mm	40.64mm	48.30mm
655118	10 lb	40	48.30mm	28.20mm	14.50mm	40.64mm	8.10mm	13.70mm	2.50mm	20.58mm	55.90mm	7.60mm	40.64mm	48.30mm

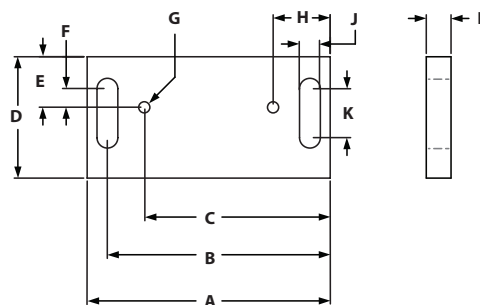
### INCLUDED FASTENERS

ITEM#	QTY	DESCRIPTION
651020	4	6-32 x 3/8" BHSCS

## GRABBER™ DOOR CATCH MOUNTING PLATES



- Mounts Grabber™ Door Catch to TSLOTS



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655117	40	76.20mm	69.90mm	58.30mm	38.10mm	15.90mm	10.00mm	6-32	17.90mm	6.50mm	15.40mm

### RECOMMENDED FASTENERS

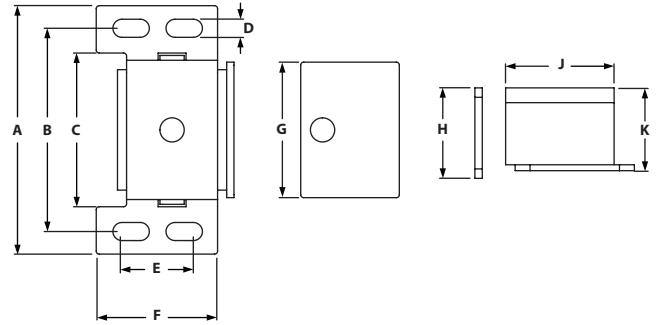
ITEM#	SERIES	QTY	DESCRIPTION
651793	40	2	M6 x 18mm BHSCS & Economy Tnut

# TLOTS Hardware

## MAGNETIC DOOR CATCH



- Ideal for latching panels in place
- Fasteners included
- To mount to extrusion, use either Magnetic Door Catch Bracket on page 396 for 0° or 90° connection.



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
655087	40	53.10mm	39.90mm	31.00mm	4.10mm	15.20mm	25.40mm	28.70mm	19.60mm	23.10mm	17.80mm

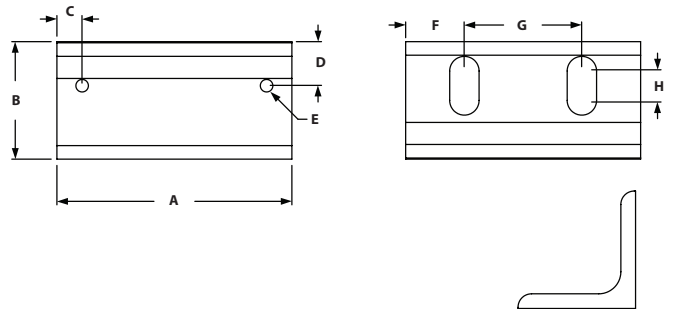
### INCLUDED FASTENERS

ITEM#	QTY	DESCRIPTION
651466	1	6-32 X 1/2 FHSCS
651020	2	6-32 X 3/8 BHSCS
651465	3	6-32 Black Zinc Tnut

## MAGNETIC DOOR CATCH BRACKET



- Use with Magnetic Door Catch



ITEM#	SERIES	A	B	C	D	E-TAP	F	G	H
655471	40	50.80mm	25.40mm	5.59mm	9.65mm	6-32	12.70mm	25.40mm	6.35mm

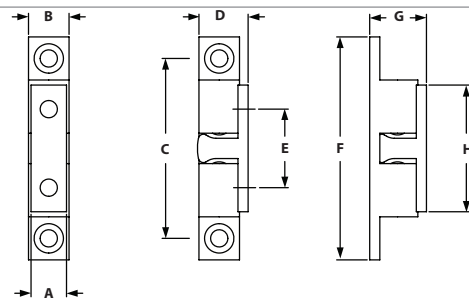
### INCLUDED FASTENERS

ITEM#	QTY	DESCRIPTION
651021	2	1/4-20 x 1/2" BHSCS
651080	2	1/4" Washer
651163	2	1/4-20 Economy Tnut

## DOUBLE BALL CATCH



- Brass - chrome plated
- Quick catch for doors, adjustable clamping force
- Can clamp in 2 positions (sideways/front)

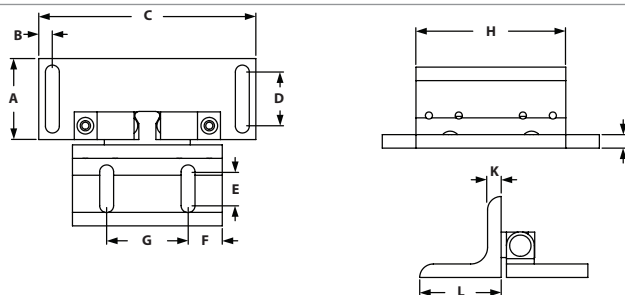


ITEM#	SERIES	A	B	C	D	E	F	G	H
657169	40	12mm	13mm	58mm	15.2mm	30mm	68.4mm	18.1mm	40.2mm

## DOUBLE BALL CATCH ASSEMBLY



- Assembly comes with Ball catch bracket, plate, and Double Ball Catch, fasteners included
- Tension adjustable with two spring-loaded screws
- Strong and durable



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K	L
699769	40	38.10mm	6.40mm	101.60mm	25.40mm	15.90mm	16.00mm	38.10mm	70.10mm	6.35mm	6.35mm	38.10mm

### INCLUDED FASTENERS

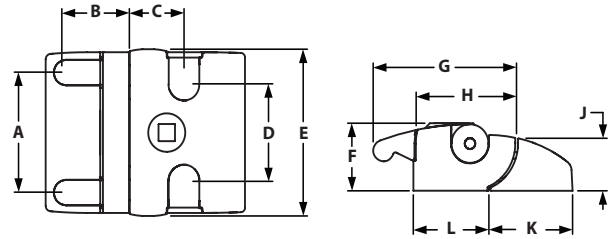
ITEM#	QTY	DESCRIPTION
657169	1	Double Ball Catch
699766	1	Ball Catch Bracket
699768	1	Ball Catch Plate
651024	4	1/4-20 x 5/8" SHCS
651105	4	1/4-20 Econ Tnut
651680	4	M4 x .8 FHSCS

# TSLOTS Hardware

## SLAM LATCH



- Black powder coat
- Ideal for cabinets and guarding

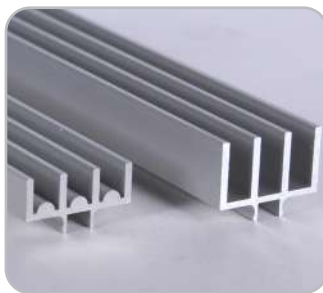


ITEM#	TYPE	SERIES	A	B	C	D	E	F	G	H	J	K	L
671072	Universal Key	40	56mm	29.5mm	27mm	45mm	78mm	32mm	69mm	49.5mm	25.4mm	39.5mm	36.5mm
671073	Unique Key	40	56mm	29.5mm	27mm	45mm	78mm	32mm	69mm	49.5mm	25.4mm	39.5mm	36.5mm
671074	Without Key	40	56mm	29.5mm	27mm	45mm	78mm	32mm	69mm	49.5mm	25.4mm	39.5mm	36.5mm

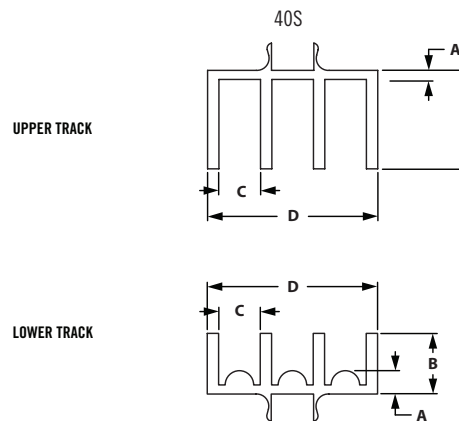
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651774	40	4	M6 x 16mm SHCS & Offset Economy Trut

## DOOR SLIDE TRACK



- Snaps into T-Slot
- Deeper slot in upper track allows panel to be inserted after frame is assembled
- Radius bearing surface in lower track allows for easier sliding

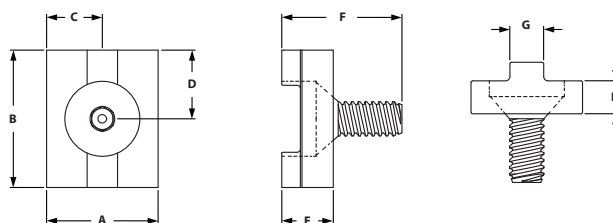


ITEM#	SERIES	TRACK	LENGTH	A	B	C	D
655188	40	Upper	145"	1.50mm	16.51mm	7.00mm	28.60mm
655190	40	Lower	145"	3.90mm	10.20mm	7.00mm	28.60mm

## DOOR GLIDES



- Bolts to profile and rotates and the door moves
- Used for profiles to glide along the profile
- Made from UHMW polyethelene



ITEM#	SERIES	A	B	C	D	E	F	G	H
655066	40	31.50mm	38.10mm	15.80mm	19.10mm	9.53mm	22.23mm	7.80mm	6.10mm

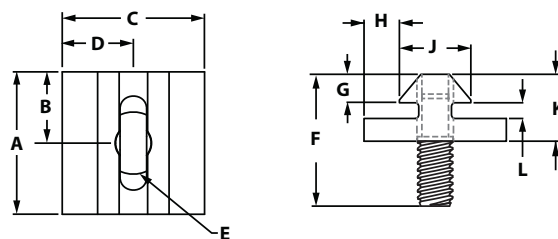
### INCLUDED FASTENERS

ITEM#	SERIES	QTY	BOLT
651655	40	1	5/16-18 x 3/4" FHSCS

## TOP MOUNT BIFOLD DOOR HANGER



- Allows you to make a sliding or bifold door without using a bottom sliding rail.
- Fastens to extrusion end
- Rotates freely as door pivots
- Made from UHMW polyethelene

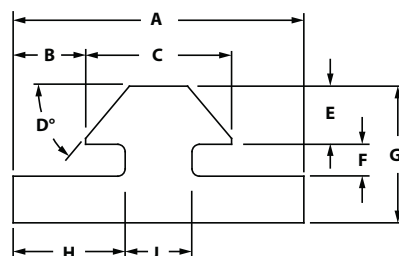


ITEM#	SERIES	THREAD	A	B	C	D	E	F	G	H	J	K	L
655050	40	5/16-18	38.10mm	19.10mm	38.10mm	19.10mm	5/16-18	43.40mm	6.70mm	9.30mm	19.60mm	17.80mm	5.00mm

## TOP MOUNT BIFOLD DOOR HANGER PROFILE



- Allows you to make your own door hangers
- Made from UHMW polyethelene



ITEM#	SERIES	LENGTH	A	B	C	D	E	F	G	H	J
657087	40	145"	38.10mm	9.30mm	19.60mm	45°	6.70mm	5.00mm	17.80mm	15.24mm	7.60mm

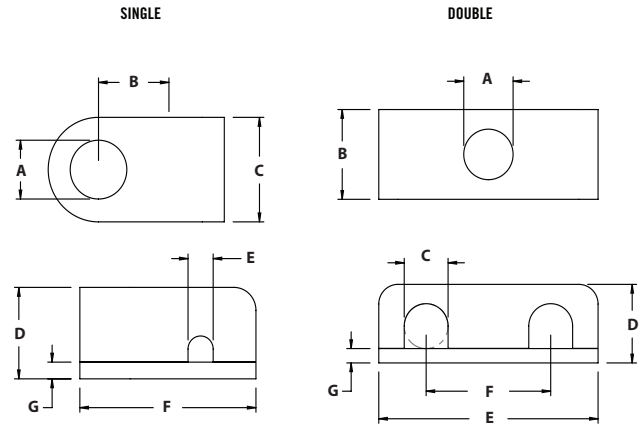


# TSLOTS Hardware

## TUBE CLAMPS



- Organizes tubes and wires throughout your TSLOTS design
- Attaches easily to T-Slot
- Mounts 1/8" through 1" O.D. tubing and wires
- Oil, chemical and acid resistant
- Stackable design



### SINGLE

ITEM#	SERIES	WIRE SIZE	A	B	C	D	E	F	G
655331	40	3.20mm	7.14mm	9.53mm	12.70mm	11.13mm	3.20mm	22.23mm	1.60mm
655332	40	6.40mm	7.14mm	9.53mm	12.70mm	11.13mm	6.35mm	22.23mm	1.60mm
655333	40	9.50mm	7.14mm	11.13mm	15.90mm	14.30mm	9.53mm	27.00mm	1.60mm
655334	40	12.70mm	7.14mm	14.30mm	20.65mm	22.23mm	12.70mm	34.93mm	1.60mm
655335	40	19.00mm	7.14mm	19.05mm	20.65mm	30.18mm	19.05mm	42.90mm	1.60mm
655336	40	25.40mm	7.14mm	19.05mm	20.65mm	30.18mm	25.40mm	42.90mm	1.60mm

### DOUBLE

ITEM#	SERIES	WIRE SIZE	A	B	C	D	E	F	G
655337	40	3.20mm	7.14mm	12.70mm	3.18mm	11.13mm	31.75mm	17.48mm	1.60mm
655338	40	6.40mm	7.14mm	12.70mm	6.35mm	11.13mm	31.75mm	17.48mm	1.60mm
655339	40	9.50mm	7.14mm	15.90mm	9.53mm	14.30mm	39.70mm	22.23mm	1.60mm
655340	40	12.70mm	7.14mm	20.65mm	12.70mm	22.23mm	53.98mm	30.18mm	1.60mm
655341	40	19.00mm	7.14mm	20.65mm	19.05mm	30.18mm	71.45mm	38.10mm	1.60mm
655342	40	25.40mm	7.14mm	20.65mm	25.40mm	30.18mm	71.45mm	38.10mm	1.60mm

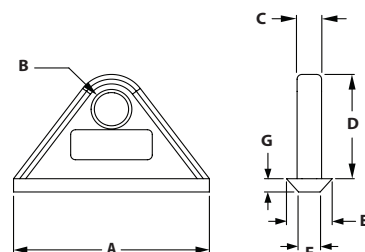
### RECOMMENDED FASTENERS

ITEM#	WIRE/TUBE SIZE	QTY	BOLT	TNUT
651775	3.20mm	1	M6 x 20mm SHCS	Economy
651777	6.40mm	1	M6 x 25mm SHCS	Economy
651777	9.50mm	1	M6 x 25mm SHCS	Economy
651778	12.70mm	1	M6 x 30mm SHCS	Economy
651779	19.00mm	1	M6 x 40mm SHCS	Economy
651779	25.40mm	1	M6 x 40mm SHCS	Economy

## TOOL HANGERS



- Ideal for hanging air tools, cable reels, heavy door panels or transporting cables
- Slides into the extrusion end and moves easily in the slot
- 100 lb. Capacity



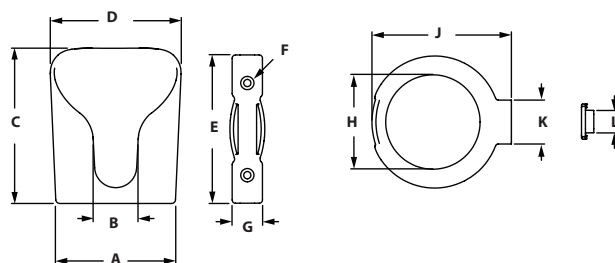
ITEM#	SERIES	A	B	C	D	E	F	G
655096	40	60.00mm	10.50mm	7.50mm	33.00mm	14.00mm	6.60mm	4.20mm

ITEM#	SLOT
671018	Snap Hook Tool

## CUP HOLDER



- To securely put down drinks, bottles, and cans
- Holds thermo bags, oil cans, or drills



ITEM#	VERSION	A	B	C	D	E	F	G	H	J	K	L
671078	Open Bottom	93mm	34mm	118mm	100mm	112mm	5.5mm	23mm	71mm	106mm	33mm	17mm
671079	Closed Bottom	93mm	34mm	118mm	100mm	112mm	5.5mm	23mm	N/A	106mm	33mm	17mm

### RECOMMENDED FASTENERS

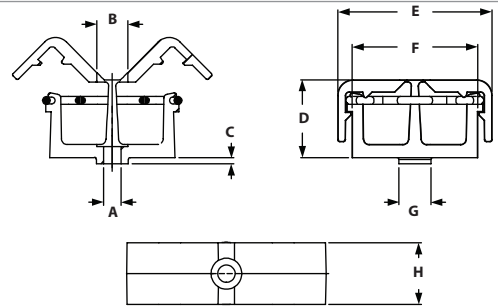
ITEM#	SERIES	QTY	DESCRIPTION
651728	40	2	M5 x 16mm FHSCS & Hammer Nut

# TSLOTS Hardware

## CLIP CABLE BINDER



- Max cable diameter 0.5"
- Fix cables to without need of cable ties
- Can be opened and closed



ITEM#	SERIES	A	B	C	D	E	F	G	H
671089	40	4.50mm	8.00mm	4.60mm	20.00mm	40.00mm	32.60mm	8.00mm	16.00mm

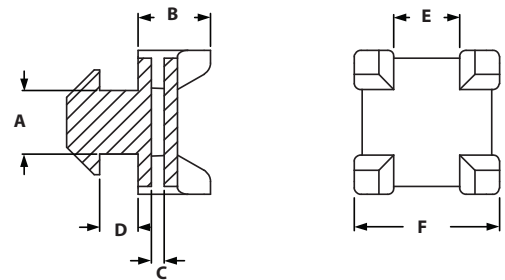
### RECOMMENDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651732	40	1	8-32 x 5/8" SHCS & Drop-In Trnut

## CROSS CABLE BINDING BLOCK



- To secure cables to extrusion in two directions
- Can be mounted into the slot by a quarter turn
- Fiberglass reinforced nylon
- 671680 works better for the Biopp, Biadj, Mono profiles

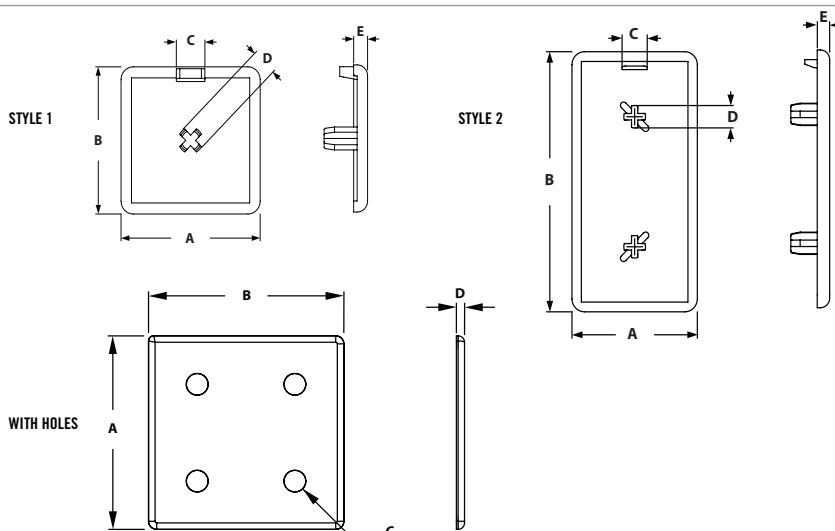


ITEM#	SERIES	A	B	C	D	E	F
671042	40	8.00mm	11.00mm	2.00mm	4.00mm	10.00mm	22.00mm
671680	40	8.00mm	11.00mm	2.00mm	4.30mm	10.00mm	22.00mm

## END CAPS



- Allows you to cap off extrusion ends
- Push in fasteners included with End Caps with Holes
- Can be mounted with M6 or M8 fasteners



### WITHOUT HOLES

ITEM#	SERIES	STYLE	MATERIAL	A	B	C	D	E
671734	20	1	Nylon	20mm	20mm	5mm	4.5mm	2.5mm
671735	20	2	Nylon	20mm	40mm	5mm	4.5mm	2.5mm
659054	40	1	ABS	40mm	40mm	8mm	7mm	4mm
659055	40	2	ABS	40mm	80mm	8mm	7mm	4mm

### WITH HOLES

ITEM#	SERIES	MATERIAL	A	B	C	D
659057	40	ABS	80mm	80mm	8.5mm	3mm

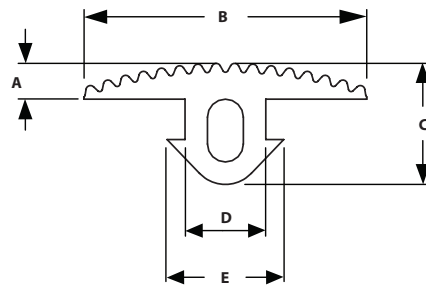
### INCLUDED PUSH-IN FASTENER

ITEM#	SERIES	HOLE DIAMETER
651090	40	6.4mm

## TSLOT COVER PROFILE



- Can be used as an anti-slip stair tread
- Sold by the meter
- Specify desired length- max length is 50 meters



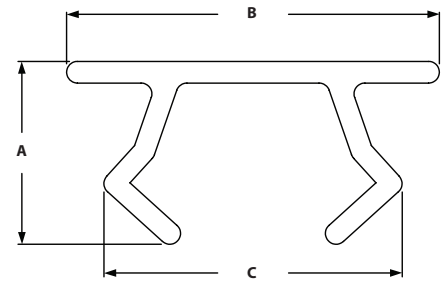
ITEM#	SERIES	A	B	C	D	E
655762	40	4.00mm	31.10mm	13.11mm	8.51mm	12.00mm

# TSLOTS Hardware

## ECONOMY TSLOTS COVERS

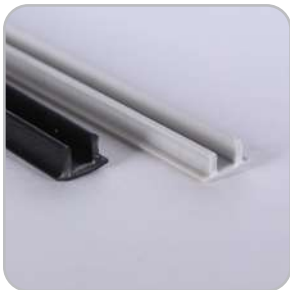


- Stocked in 6' lengths
- Covers slot to keep dust and dirt out
- Covers wires and tubes in slot

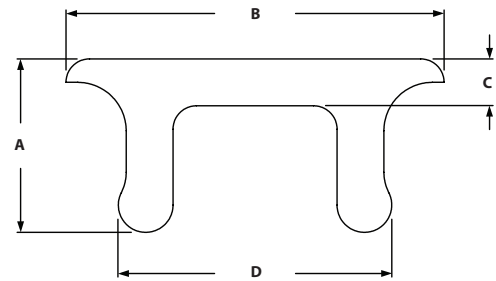


ITEM#	SERIES	LENGTH	COLOR	A	B	C
655523	40	72"	Yellow	7.2mm	12.8mm	10.6mm
655524	40	72"	Black	7.2mm	12.8mm	10.6mm
655525	40	72"	Gray	7.2mm	12.8mm	10.6mm
655526	40	72"	Red	7.2mm	12.8mm	10.6mm
655527	40	72"	Blue	7.2mm	12.8mm	10.6mm
655528	40	72"	Orange	7.2mm	12.8mm	10.6mm

## DELUXE TSLOTS COVERS

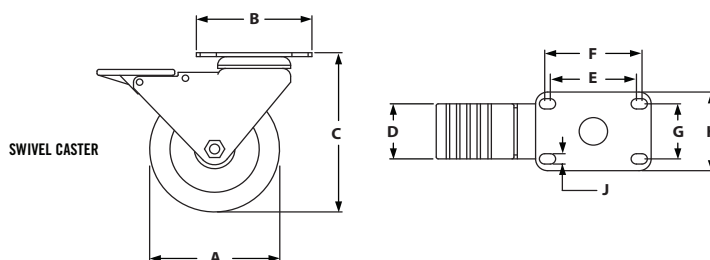
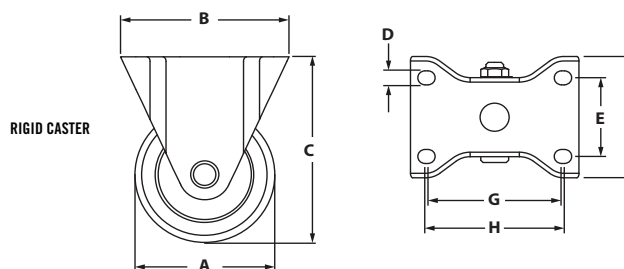


- Stocked in 8' lengths
- Covers slot to keep dust and dirt out
- Covers wires and tubes in slot
- Thicker and more durable than Economy Tslot Cover



ITEM#	SERIES	LENGTH	COLOR	A	B	C	D
655105	40	96"	Black	7mm	12.3mm	2mm	9mm
655106	40	96"	Gray	7mm	12.3mm	2mm	9mm

## FLANGE MOUNT CASTERS



◦ 165 lb. to 265 lb. Capacity

◦ See page 412 for Flange Mount Base Plates

### RIGID CASTERS

ITEM#	SERIES	CAPACITY	A	B	C-HEIGHT	D	E	F	G	H	WHEEL COLOR
655239	40	210 lbs	76.20mm	92.10mm	96.85mm	8.33mm	44.45mm	60.30mm	73.00mm	76.20mm	Black
655241	40	255 lbs	101.60mm	92.10mm	130.20mm	8.33mm	44.45mm	60.30mm	73.00mm	76.20mm	Grey
655243	40	280 lbs	127.00mm	92.10mm	158.18mm	8.33mm	44.45mm	60.30mm	73.00mm	76.20mm	Grey

### SWIVEL CASTERS

ITEM#	SERIES	CAPACITY	A	B	C-HEIGHT	D	E	F	G	H	WHEEL COLOR
655245	40	210 lbs	76.20mm	92.10mm	96.85mm	44.45mm	71.45mm	77.80mm	44.45mm	63.50mm	Black
655247	40	255 lbs	101.60mm	92.10mm	130.20mm	44.45mm	71.45mm	77.80mm	44.45mm	63.50mm	Grey
655249	40	280 lbs	127.00mm	92.10mm	158.18mm	44.45mm	71.45mm	77.80mm	44.45mm	63.50mm	Grey

### RECOMMENDED FASTENERS (TO BASE PLATE)

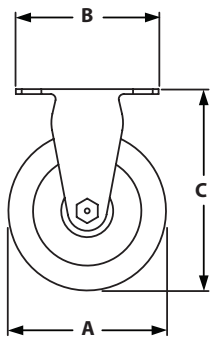
ITEM#	QTY	BOLT
651346	4	M8 x 20mm SHCS

# TLOTS Hardware

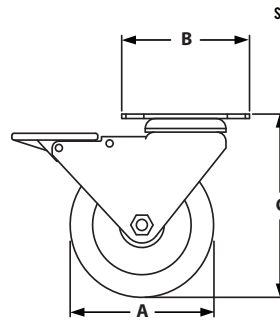
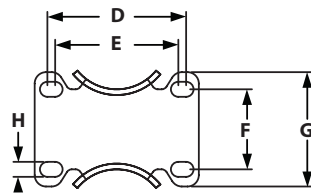
## DELUXE FLANGE MOUNT CASTERS



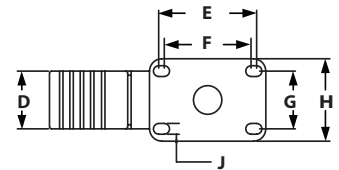
- Total Lock brakes on all swivel casters – Press to lock – Press to unlock
- Double ball hardened raceways
- Zerk fittings in wheel bearing
- See page 412 for Flange Mount Base Plates



RIGID CASTER



SWIVEL CASTER



### RIGID CASTERS

ITEM#	SERIES	CAPACITY	A	B	C-HEIGHT	D	E	F	G	H	J	WHEEL COLOR
655252	40	250 lbs	101.60mm	92.20mm	130.20mm	44.45mm	77.80mm	71.45mm	44.45mm	63.50mm	8.64mm	Dark Red
655253	40	250 lbs	127.00mm	92.20mm	157.15mm	44.45mm	77.80mm	71.45mm	44.45mm	63.50mm	8.64mm	Dark Red

### SWIVEL CASTERS

ITEM#	SERIES	CAPACITY	A	B	C-HEIGHT	D	E	F	G	H	WHEEL COLOR	BRAKE
655250	40	250 lbs	101.60mm	92.20mm	130.20mm	44.45mm	71.45mm	44.45mm	63.50mm	8.64mm	Dark Red	Yes
655251	40	250 lbs	127.00mm	92.20mm	157.15mm	44.45mm	71.45mm	44.45mm	63.50mm	8.64mm	Dark Red	Yes

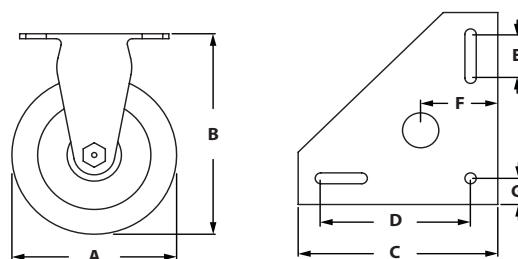
### RECOMMENDED FASTENERS (TO BASE PLATE)

ITEM#	QTY	BOLT
651346	4	M8 x 20mm SHCS

## TRIANGULAR TOP PLATE CASTERS



- Triangular Top Plate mounts directly to extrusion
- Triangular Top Plate Caster features both swivel and wheel lock



ITEM#	SERIES	CAPACITY	A	B-HEIGHT	C	D	E	F	G	WHEEL COLOR	BRAKE
655254	40	250 lbs	101.60mm	146.05mm	139.70mm	104.80mm	31.75mm	54.00mm	19.05mm	Green	Yes
681916	40	250 lbs	101.60mm	146.05mm	139.70mm	104.80mm	31.75mm	54.00mm	19.05mm	Gray	Yes
681917	40	275 lbs	127.00mm	146.05mm	139.70mm	104.80mm	31.75mm	54.00mm	19.05mm	Gray	Yes

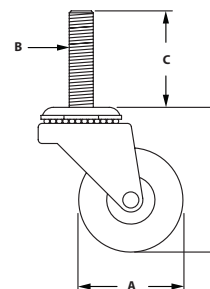
### RECOMMENDED FASTENERS (TO BASE PLATE)

ITEM#	SERIES	QTY	DESCRIPTION
651780	40	3	M8 x 16mm SHCS & Economy Tnut

## THREADED STEM SWIVEL CASTERS



- Mounts directly to extrusion end or base plates
- 70-150 lb. Capacity
- See pages 410-411 for Base Plates



ITEM#	SERIES	CAPACITY	A	B	C	D-LOAD HEIGHT	WHEEL COLOR	BRAKE
651522	40	75 lbs	35mm	M10	30mm	60mm	Black	No
651523	40	50 lbs	50mm	M10	30mm	69mm	Black	Yes
651524	40	75 lbs	75mm	M10	30mm	98mm	Black	Yes
651525	40	100 lbs	100mm	M10	30mm	133mm	Black	Yes
651526	40	110 lbs	125mm	M10	30mm	158mm	Black	Yes

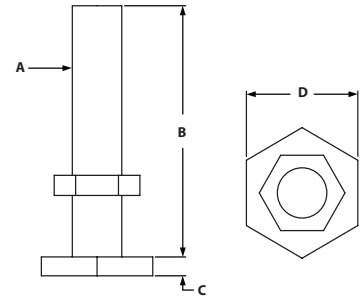


# TSLOTS Hardware

## ECONOMY LEVELING FEET



- Threads directly into extrusion end or into base plates
- Jam nut included
- 1050 lb. to 4700 lb. capacity
- See pages 410-411 for Base Plates

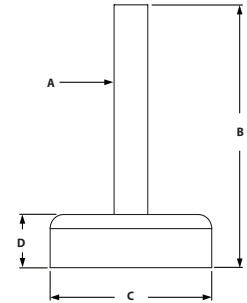


ITEM#	SERIES	A	B	C	D	LOAD CAPACITY
651527	40	M6 x 1.0	30mm	2.40mm	14mm	1000 lbs
651528	40	M8 x 1.25	40mm	3.10mm	18mm	1750 lbs
651529	40	M10 x 1.5	60mm	3.70mm	22mm	2550 lbs
651530	40	M12 x 1.74	65mm	4.40mm	25mm	4600 lbs

## NYLON LEVELING FEET



- A swiveling leveling foot for strong positioning on uneven floors
- Black reinforced nylon
- Anti-slip plate
- See pages 410-411 for Base Plates

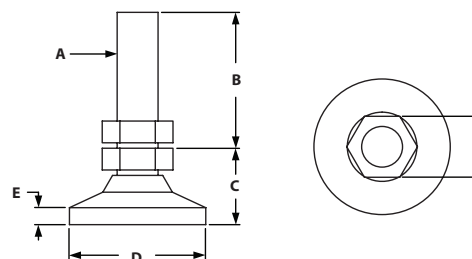


ITEM#	SERIES	A	B	C	D	LOAD CAPACITY
655783	40	M8	58mm	39mm	18mm	750 lbs
655790	40	M10	63mm	59mm	18mm	1000 lbs
655798	40	M12	84mm	79mm	18mm	1650 lbs

## DELUXE LEVELING FEET

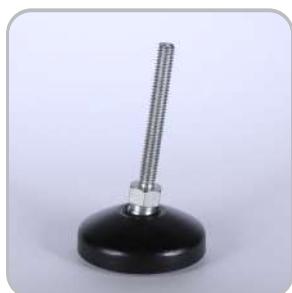


- Threads directly into extrusion end or into base plate
- Jam nut included
- Pivots 20 degrees to accommodate uneven floors
- See pages 410-411 for Base Plates

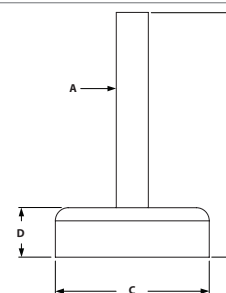


ITEM#	SERIES	A	B	C	D	E	F	LOAD CAPACITY
651531	40	M6 x 1.0	24mm	14mm	19mm	25mm	10mm	650 lbs
651532	40	M8 x 1.25	31mm	18mm	26mm	32mm	13mm	1000 lbs
651533	40	M10 x 1.50	51mm	22mm	32mm	51mm	16mm	3750 lbs
651534	40	M12 x 1.75	51mm	29mm	48mm	51mm	19mm	5000 lbs
651535	40	M16 x 2.0	51mm	32mm	64mm	51mm	22mm	5950 lbs

## DIE CAST LEVELING FEET



- Threads directly into extrusion end or into 40 Series base plates
- Ideal for medium duty machines, cabinets, workstations or office furniture
- Large base diameter - Die-cast
- Swiveling range 20°
- See pages 410-411 for Base Plates



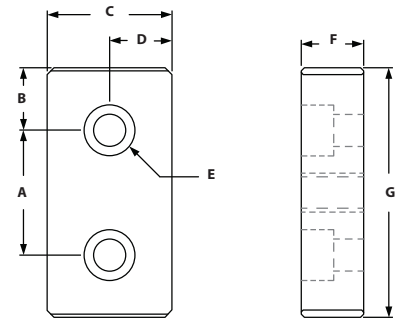
ITEM#	SERIES	A	B	C	D	LOAD CAPACITY
655779	40	M8	58mm	29mm	18mm	750 lbs
655786	40	M10	63mm	39mm	18mm	1000 lbs
655794	40	M12	84mm	59mm	18mm	1650 lbs
655806	40	M16	84mm	59mm	18mm	3150 lbs
655802	40	M12 (w/holes)	84mm	79mm	18mm	1650 lbs
655814	40	M16(w/holes)	84mm	99mm	18mm	3150 lbs

# TSLOTS Hardware

## 2 HOLE BLANK BASE PLATE



- Mounts leveling feet and threaded stem casters to extrusion-requires machining
- Bolts in extrusion end or in slot
- See pages 408-409 for leveling feet
- See page 407 for threaded stem casters



ITEM#	SERIES	A	B	C	D	E-BOLT SIZE	F	G
655657	40	40mm	20mm	40mm	20mm	M8 SHCS	20mm	80mm

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	BOLT	TNUT
651426	40	2	M8 x 20mm SHCS	Economy

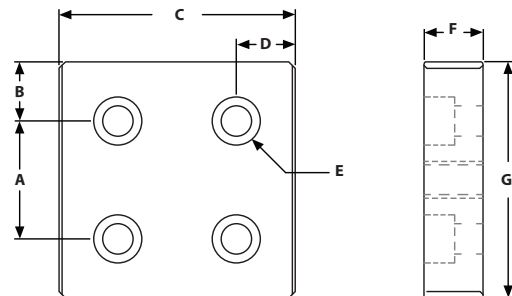
### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY 2 HOLE	BOLT
651350	40	2	M8 x 25mm SHCS

## 4 HOLE BLANK BASE PLATE



- Mounts leveling feet and threaded stem casters to extrusion-requires machining
- Bolts in extrusion end or in slot
- See pages 408-409 for leveling feet
- See page 407 for threaded stem casters



ITEM#	SERIES	A	B	C	D	E-BOLT SIZE	F	G
655661	40	40mm	20mm	80mm	18mm	M8 SHCS	19mm	80mm

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY 4 HOLE	BOLT	TNUT
651426	40	4	M8 x 20mm SHCS	Economy

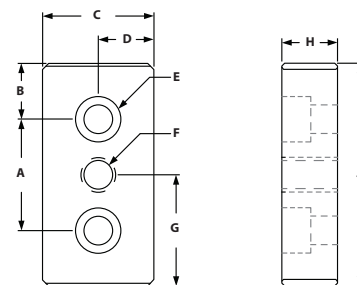
### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY 4 HOLE	BOLT
651350	40	4	M8 x 25mm SHCS

### 3 HOLE CENTER TAP BASE PLATE



- Mounts leveling feet and threaded stem casters to T-SLOTS
- Bolts in extrusion end or in T-Slot
- See pages 408-409 for leveling feet
- See page 407 for threaded stem casters



ITEM#	SERIES	A	B	C	D	E-BOLT SIZE	F-THREAD	G	H	J
664043	40	40mm	20mm	40mm	20mm	M8 SHCS	8mm	40mm	20mm	80mm
660146	40	40mm	20mm	40mm	20mm	M8 SHCS	10mm	40mm	20mm	80mm
664044	40	40mm	20mm	40mm	20mm	M8 SHCS	12mm	40mm	20mm	80mm
664045	40	40mm	20mm	40mm	20mm	M8 SHCS	16mm	40mm	20mm	80mm

#### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	BOLT	TNUT
651426	40	2	M8 x 20mm SHCS	Economy

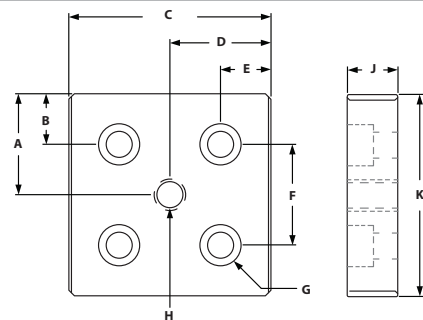
#### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY	BOLT
651350	40	2	M8 x 25mm SHCS

### 5 HOLE CENTER TAP BASE PLATE



- Mounts leveling feet and threaded stem casters to T-SLOTS
- Bolts in extrusion end or in T-Slot
- See pages 408-409 for leveling feet
- See page 407 for threaded stem casters



ITEM#	SERIES	A	B	C	D	E	F	G-BOLT SIZE	H-THREAD	J	K
664046	40	40mm	20mm	80mm	40mm	20mm	40mm	M8 SHCS	8mm	20mm	80mm
664047	40	40mm	20mm	80mm	40mm	20mm	40mm	M8 SHCS	10mm	20mm	80mm
664048	40	40mm	20mm	80mm	40mm	20mm	40mm	M8 SHCS	12mm	20mm	80mm
664031	40	40mm	20mm	80mm	40mm	20mm	40mm	M8 SHCS	16mm	20mm	80mm

#### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY 5 HOLE	BOLT	TNUT
651426	40	4	M8 x 20mm SHCS	Economy

#### RECOMMENDED FASTENERS (EXTRUSION END)

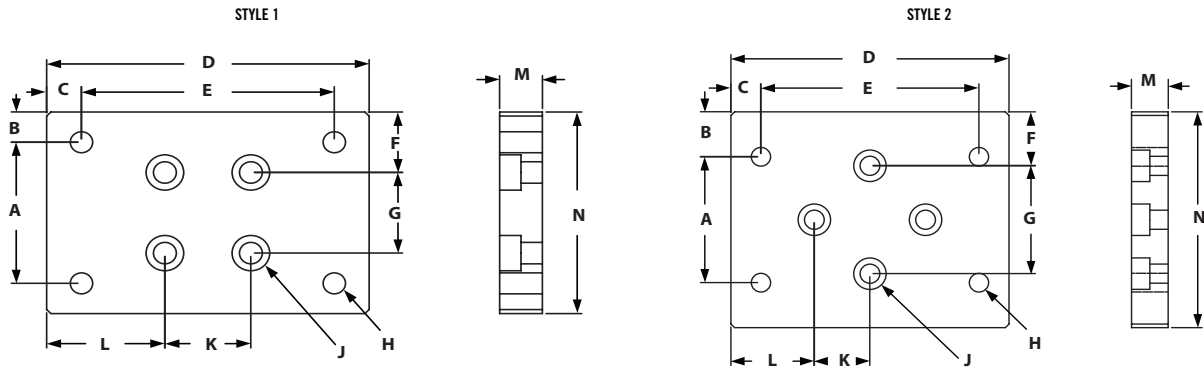
ITEM#	SERIES	QTY 5 HOLE	BOLT
651350	40	4	M8 x 25mm SHCS

# TSLOTS Hardware

## FLANGE MOUNT CASTER BASE PLATE



- Mounts Flange Mount Caster and Deluxe Flange Mount Caster to extrusion
- Mount Base Plate to either extrusion end or slot



### STYLE 1

ITEM#	SERIES	A	B	C	D	E	F	G	H-TAP	J	K	L	M	N
664067	40	44.45mm	17.78mm	10.30mm	97mm	74.68mm	20mm	40mm	M8	M8 SHCS	40mm	28.48mm	20mm	80mm

### STYLE 2

ITEM#	SERIES	A	B	C	D	E	F	G	H-TAP	J	K	L	M	N
664068	40	44.45mm	17.78mm	11.15mm	97mm	74.68mm	20mm	40mm	M8	M8 SHCS	40mm	28.48mm	20mm	80mm

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	BOLT	TNUT
651426	40	4	M8 x 20mm SHCS	Economy

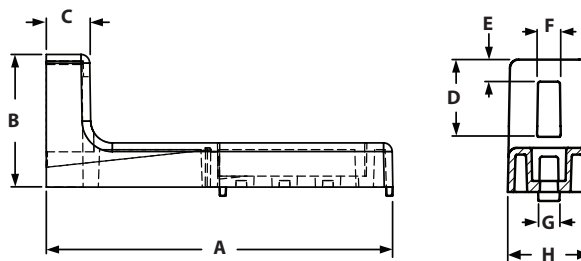
### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY	BOLT
651350	40	4	M8 x 20mm SHCS

## FLOOR BRACKET



- Adjustable height up to 2.83"
- Connect extrusion to floor vertically
- Die-cast zinc



ITEM#	SERIES	A	B	C	D	E	F	G	H
655766	40	160.00mm	60.00mm	20.00mm	35.00mm	10.00mm	10.00mm	8.00mm	38.00mm

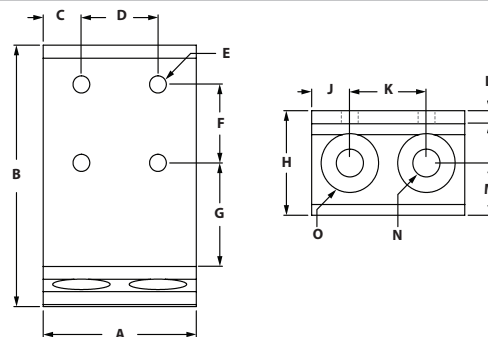
### RECOMMENDED FASTENER

ITEM#	QTY	DESCRIPTION
651780	1	M8 x 16mm SHCS & Economy Tnut

## ECONOMY BASE PLATES - FLOOR MOUNTS



- Strong economy base plates
- Bolts directly in the Slot
- Allows vertical adjustments
- More economical than standard Floor Mount Base Plate



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K	L	M	N	O
655276	40	40mm	127mm	20mm	N/A	8.33mm	38.1mm	80mm	50.8mm	20mm	N/A	6.3mm	17.5mm	13.49mm	28.58mm
664016	40	80mm	127mm	20mm	40mm	8.33mm	40mm	80mm	50.8mm	20mm	40mm	6.3mm	17.5mm	13.49mm	28.58mm

### RECOMMENDED HARDWARE

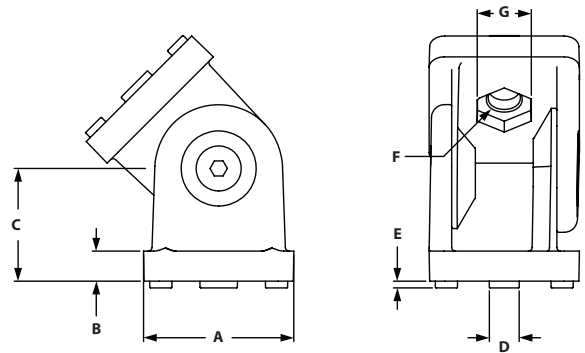
ITEM#	SERIES	QTY	BOLT	TNUT
651506	40	2 TO 4	M8 x 16mm BHSCS	Economy

# Pivot Joints

## PIVOT JOINT 40



- Bushing enables pivot to be both structural and dynamic
- Locating pins can be removed to accommodate both extrusion end and side mount assembly



ITEM#	FINISH	SERIES	A	B	C	D	E	F	G
664088	Die Cast Zinc	40	40mm	8mm	30mm	8mm	1.8mm	8.5mm	14mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

BOLT ITEM	QTY	BOLT	TNUT TYPE
651512	2	M8 x 16mm SHCS	Economy

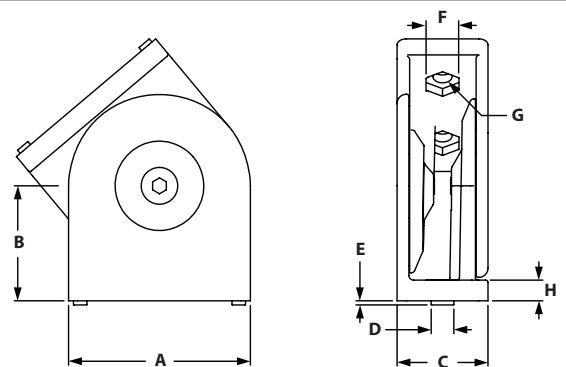
### RECOMMENDED FASTENERS (TO EXTRUSION END)

BOLT ITEM	QTY	BOLT
651346	2	M8 x 20mm SHCS

## PIVOT JOINT 4080



- Bushing enables pivot to be both structural and dynamic
- Locating pins can be removed to accommodate both extrusion end and side mount assembly



ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H
671103	Die Cast Zinc	40	80mm	50mm	40mm	8mm	2.8mm	14mm	8.4mm	9mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

BOLT ITEM	QTY	BOLT	TNUT TYPE
651512	4	M8 x 16mm SHCS	Economy

### RECOMMENDED FASTENERS (TO EXTRUSION END)

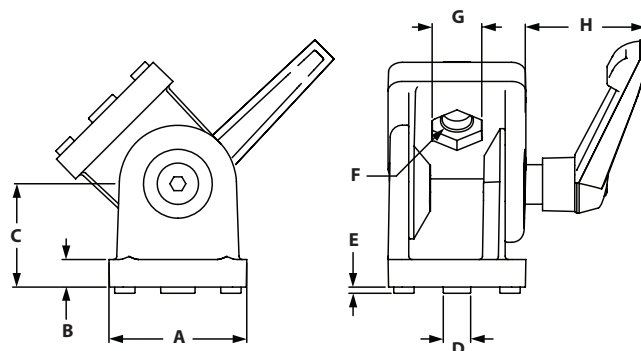
BOLT ITEM	QTY	BOLT
651346	4	M8 x 20mm SHCS

# Pivot Joints With Locking Lever

## PIVOT JOINT 40 WITH LOCKING LEVER



- Bushing enables pivot to be both structural and dynamic
- Locating pins can be removed to accommodate both extrusion end and side mount assembly



ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H
664089	Die Cast Zinc	40	40mm	8mm	30mm	8mm	1.8mm	8.5mm	14mm	41mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

BOLT ITEM	QTY	BOLT	TNUT TYPE
651512	2	M8 x 16mm SHCS	Economy

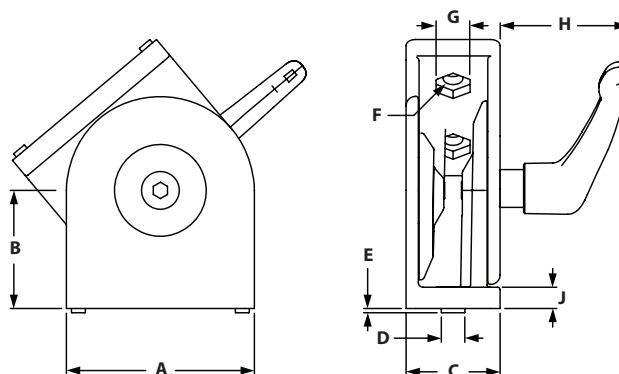
### RECOMMENDED FASTENERS (TO EXTRUSION END)

BOLT ITEM	QTY	BOLT
651346	2	M8 x 20mm SHCS

## PIVOT JOINT 4080 WITH LOCKING LEVER



- Bushing enables pivot to be both structural and dynamic
- Locating pins can be removed to accommodate both extrusion end and side mount assembly



ITEM#	FINISH	SERIES	A	B	C	D	E	F	G	H	J
671108	Die Cast Zinc	40	80mm	50mm	40mm	8mm	2.8mm	8.4mm	14mm	54mm	9mm

### RECOMMENDED FASTENERS (TO EXTRUSION SLOT)

BOLT ITEM	QTY	BOLT	TNUT TYPE
651512	4	M8 x 16mm SHCS	Economy

### RECOMMENDED FASTENERS (TO EXTRUSION END)

BOLT ITEM	QTY	BOLT
651346	4	M8 x 20mm SHCS



# CONTENT

## 06 TSLOTS Panels

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## 06 PANELS METRIC

# TSLOTS Panels

## ACRYLIC PANELS



- *Lightweight*
- *Weather resistant*
- *High optical clarity*
- *Great for displays or Partitions*

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655424	Clear	Acrylic	.236" (6mm)	4' x 8' +.250"/-0
655425	Clear	Acrylic	.177" (4.5mm)	4' x 8' +.250"/-0
655426	White	Acrylic	.236" (6mm)	4' x 8' +.250"/-0
655427	White	Acrylic	.177" (4.5mm)	4' x 8' +.250"/-0
655428	Black	Acrylic	.236" (6mm)	4' x 8' +.250"/-0
655429	Black	Acrylic	.177" (4.5mm)	4' x 8' +.250"/-0
655430	Bronze	Acrylic	.236" (6mm)	4' x 8' +.250"/-0
655431	Bronze	Acrylic	.177" (4.5mm)	4' x 8' +.250"/-0

## POLYCARBONATE PANELS

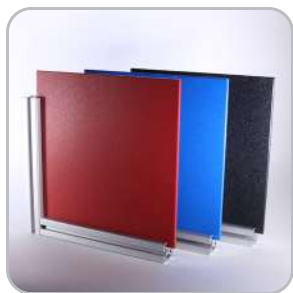


- *High durability and impact resistance*
- *High optical clarity*
- *Highly machinable*
- *Great for enclosures, guarding, or safety applications*

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655432	Clear	Polycarbonate	.236" (6mm)	4' x 8' +.250"/-0
655433	Clear	Polycarbonate	.177" (4.5mm)	4' x 8' +.250"/-0
682883	Clear	Polycarbonate	.375" (9.5mm)	4' x 8' +.250"/-0
682884	Clear	Polycarbonate	.500" (12.7mm)	4' x 8' +.250"/-0
655448	Gray	Polycarbonate	.236" (6mm)	4' x 8' +.250"/-0
655449	Gray	Polycarbonate	.177" (4.5mm)	4' x 8' +.250"/-0
655434	Bronze	Polycarbonate	.236" (6mm)	4' x 8' +.250"/-0
655435	Bronze	Polycarbonate	.177" (4.5mm)	4' x 8' +.250"/-0

- *Machining Service – Panel Cut to Size 660062 & 660063*
- *Panels are ordered by the sq. ft.*
- *For custom panels contact Tslots. See page 4 for information*

## HDPE PANELS



- Textured on both sides
- Impact and corrosion resistant
- Highly machinable
- Great for enclosures, guarding, or safety applications

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655690	Black	HDPE	.236" (6mm)	4' x 8' +.250"/-0
655691	Blue	HDPE	.236" (6mm)	4' x 8' +.250"/-0
655695	Red	HDPE	.236" (6mm)	4' x 8' +.250"/-0

## HAIRCELL ABS PANELS



- One smooth side and one textured side
- Impact resistant
- Highly machinable
- Great for workstations and partitions

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655436	Black	Haircell ABS	.236" (6mm)	4' x 8' +.250"/-0
655437	Black	Haircell ABS	.177" (4.5mm)	4' x 8' +.250"/-0

- Machining Service – Panel Cut to Size 660062 & 660063
- Panels are ordered by the sq. ft.
- For custom panels contact Tslots. See page 4 for information

# TSLOTS Panels

## EXPANDED PVC PANELS



- Chemical and weather resistant
- Lightweight
- Highly machinable
- Great for displays and partitions

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655440	Black	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655441	Black	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0
655442	Red	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655443	Red	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0
655444	Blue	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655445	Blue	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0
655446	Gray	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655447	Gray	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0
655438	White	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655439	White	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0
682882	Clear	PVC	.236" (6mm)	4' x 8' +.250"/-0
655450	Yellow	Expanded PVC	.236" (6mm)	4' x 8' +.250"/-0
655451	Yellow	Expanded PVC	.118" (3mm)	4' x 8' +.250"/-0

## ALUMALITE PANELS



- Weather resistant
- High durability
- Lightweight alternative to solid aluminum plate
- Great for workstations, enclosures, or displays

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655452	Blue	Alupalite	.236" (6mm)	4' x 8' +.250"/-0
655454	Silver	Alupalite	.236" (6mm)	4' x 8' +.250"/-0

- Machining Service – Panel Cut to Size 660062 & 660063
- Panels are ordered by the sq. ft.
- For custom panels contact Tslots. See page 4 for information

## ALUCOBOND PANELS



- Weather resistant
- High durability
- Lightweight alternative to solid aluminum plate
- Great for workstations, enclosures, or displays
- Platinum only on one side
- Aluminum sheets separated by thermoplastic core

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655457	Platinum	Alucobond	.157" (4mm)	4' x 8' +.250"/-0

## DIE BOND PANELS



- Weather resistant
- High durability
- Lightweight alternative to solid aluminum plate
- Great for workstations, enclosures, or displays
- White on one side and black on the other side

ITEM#	COLOR	MATERIAL	THICKNESS	STOCK SIZE
655857	White/Black	Diebond	.118"	4' x 8' +.250"/-0

## WIRE MESH



- Great for workstations, enclosures, or displays
- See page 447 for cutting
- Use calculation matrix on page 406 to measure area

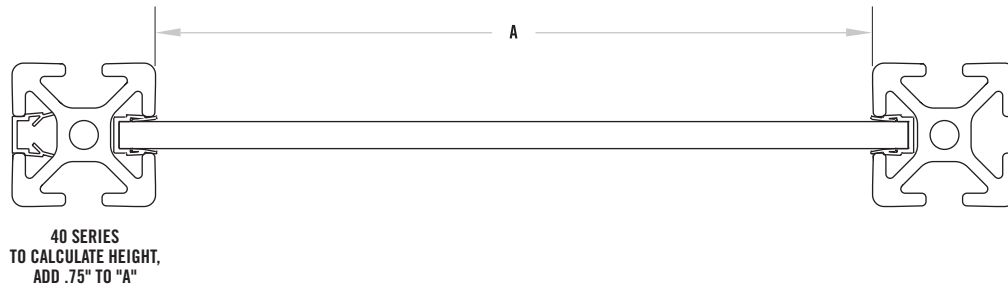
ITEM#	SIZE	COLOR	MATERIAL	GAUGE	OVERALL THICKNESS	STOCK SIZE
655318	.5" x .5"	Black	PVC	16	.140"	4' x 8' +.250"/-0
655319	.5" x .5"	Yellow	PVC	16	.140"	4' x 8' +.250"/-0
655316	1" x 1"	Black	PVC	12	.210"	4' x 8' +.250"/-0
655317	1" x 1"	Yellow	PVC	12	.210"	4' x 8' +.250"/-0
655818	2" x 2"	Black	PVC	12	.210"	4' x 8' +.250"/-0
655830	2" x 2"	Yellow	PVC	12	.210"	4' x 8' +.250"/-0

# TSLOTS Panel Hardware

## AREA CALCULATION MATRIX

### HOW TO USE THE MATRIX

- Round both length and width dimensions up to the next 6" increment
- Find the length and width along the top and side of area calculation matrix
- Find the area in square feet at the intersection of the length and width matrix

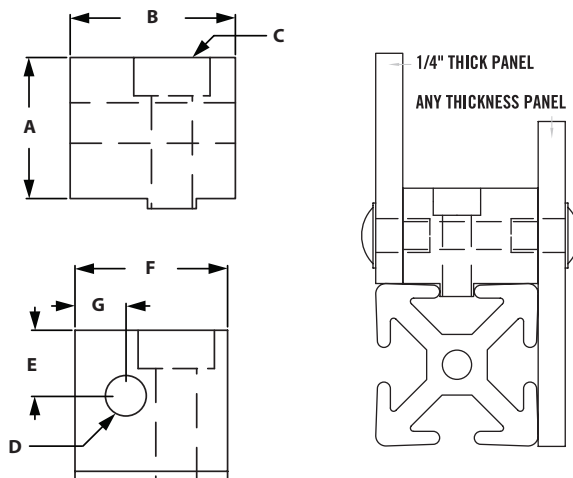


		WIDTH									
		6"	12"	18"	24"	30"	36"	42"	48"	54"	60"
LENGTH	6"	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
	12"	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
	18"	0.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50
	24"	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
	30"	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00	11.25	12.50
	36"	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00
	42"	1.75	3.50	5.25	7.00	8.75	10.50	12.25	14.00	15.75	17.50
	48"	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
	54"	2.25	4.50	6.75	9.00	11.25	13.50	15.75	18.00	20.25	22.50
	60"	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	22.50	25.00
	66"	2.75	5.50	8.25	11.00	13.75	16.50	19.25	22.00	24.75	27.50
	72"	3.00	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00
	78"	3.25	6.50	9.75	13.00	16.25	19.50	22.75	26.00	29.25	32.50
	84"	3.50	7.00	10.50	14.00	17.50	21.00	24.50	28.00	31.50	35.00
	90"	3.75	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50
	96"	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00
102"	4.25	8.50	12.75	17.00	21.25	25.50	29.75	34.00	38.25	42.50	
108"	4.50	9.00	13.50	18.00	22.50	27.00	31.50	36.00	40.50	45.00	

## PANEL MOUNT BLOCK



- Allows you to mount panel flush or offset with extrusion
- Simplifies adding or removing panels
- Drilling panel required
- Fasteners for mounting to extrusion included



ITEM#	SERIES	FINISH	A	B	C	D	E	F	G
655741	40	Clear	23.20mm	33.88mm	M6 x 25mm BHSCS	M8 x 1.25	11.60mm	25.60mm	9.90mm
654741	40	Black	23.20mm	33.88mm	M6 x 25mm BHSCS	M8 x 1.25	11.60mm	25.60mm	9.90mm

### INCLUDED FASTENERS

ITEM#	SERIES	QTY	DESCRIPTION
651777	40	1	M6 x 25mm SHCS & Offset Economy Trnut

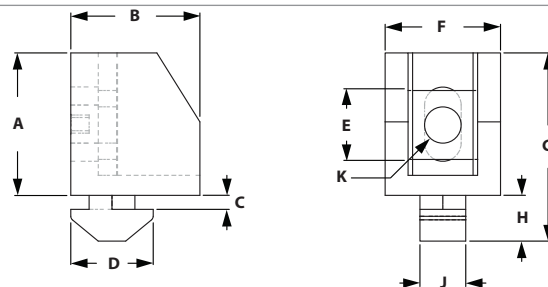
### RECOMMENDED FASTENERS (MOUNT TO PANEL)

ITEM#	SERIES	QTY	DESCRIPTION
651345	40	1	M8 x 16mm BHSCS

## NYLON PANEL MOUNT BLOCK



- Panel inserts from the top then twists 90° to lock into place.
- Made of Black Nylon
- .5" offset from edge for hole placement of panel.



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K-THREAD
682847	40	25.00mm	25.00mm	4.00mm	17.00mm	12.50mm	18.50mm	34.00mm	9.00mm	6.00mm	M6 x 1.0

### RECOMMENDED FASTENERS

ITEM #	QTY	DESCRIPTION
651579	1	M6 x 18mm BHSCS

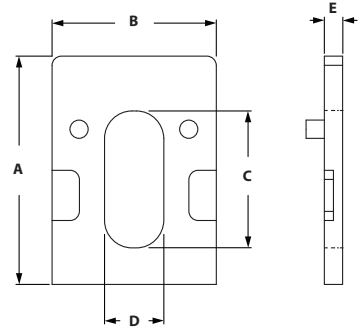


# TLOTS Hardware

## UNIBLOCK SPACERS



- Work with panel mount block to increase thickness
- Allows for offset panel mounting
- Reduces movement and vibration

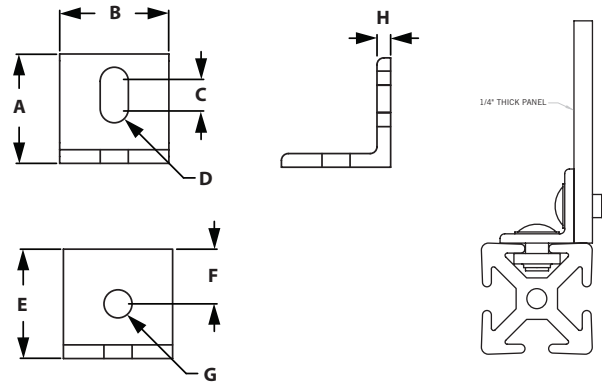


ITEM#	SERIES	A	B	C	D	E
671046	40	25.00mm	18.5mm	15.00mm	6.50mm	3.00mm
671047	40	25.00mm	18.5mm	15.00mm	6.50mm	5.00mm

## PANEL MOUNT BRACKET



- Lower cost alternative than Panel Mount Block
- Slotted hole makes alignment easy
- Drilling panel required



ITEM#	SERIES	A	B	C	D	E	F	G	H
655291	40	25.4mm	25.4mm	6.35mm	4.17mm	25.4mm	12.7mm	8.33mm	3.18mm

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	DESCRIPTION
651767	40	1	M8 x 12mm BHSCS & Economy Trnut

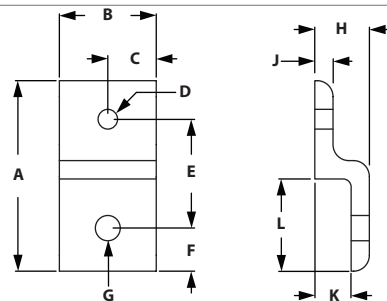
### RECOMMENDED FASTENERS (EXTRUSION END)

ITEM#	SERIES	QTY	DESCRIPTION
651785	40	1	M8 x 16mm BHSCS w/Hex Nut & Washer

## SINGLE PANEL RETAINER



- Strongest way to retain panels
- Simplifies panel installation and removal
- Drilling panel required



ITEM#	SERIES	A	B	C	D-TAP	E	F	G	H	J	K	L
664039	40	77.00mm	40.00mm	20.00mm	M8 x 1.25	44.40mm	15.80mm	8.33mm	21.95mm	6.00mm	15.95mm	37.00mm

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	BOLT
651506	40	1	M8 x 16mm BHSCS & Economy Trnut

### RECOMMENDED FASTENERS (FOR 1/4" PANEL)

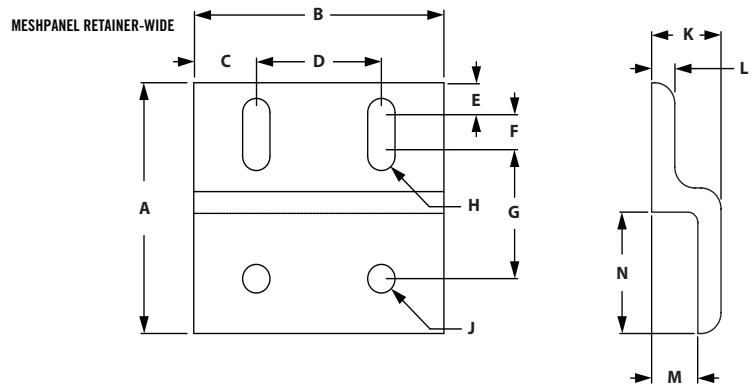
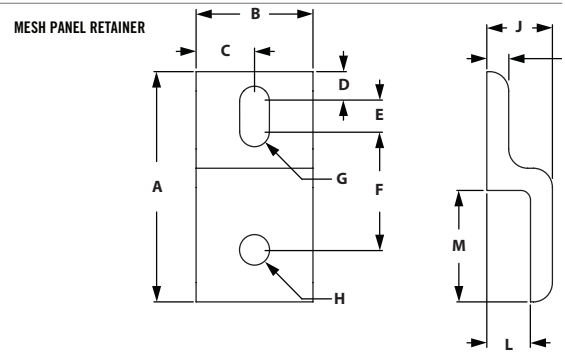
ITEM#	SERIES	QTY	BOLT
651770	40	1	M8 x 20mm BHSCS w/Hex Nut & Washer

# TLOTS Hardware

## MESH PANEL RETAINER



- Strongest way to retain wire mesh
- Prevents wire mesh from pushing out of the slot
- Simplifies installation and removal of wire mesh



### SINGLE RETAINER

ITEM#	SERIES	A	B	C	D	E	F	G	H
664082	40	77.00mm	40.00mm	20.00mm	8.74mm	12.70mm	38.76mm	8.33mm	8.33mm
		J	K	L	M				
		22.00mm	6.00mm	16.00mm	37.00mm				

### SINGLE RETAINER-WIDE

ITEM#	SERIES	A	B	C	D	E	F	G	H
664204	40	77.00mm	80.00mm	20.00mm	40.00mm	8.64mm	12.70mm	38.80mm	8.33mm
		J	K	L	M				
		8.33mm	22.00mm	6.00mm	16.00mm				

### RECOMMENDED FASTENERS (EXTRUSION SLOT)

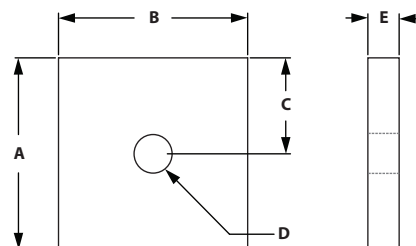
ITEM#	SERIES	QTY	QTY FOR WIDE	BOLT
651506	40	1	2	M8 x 16mm BHSCS & Economy Tnut

## BACKING PLATES

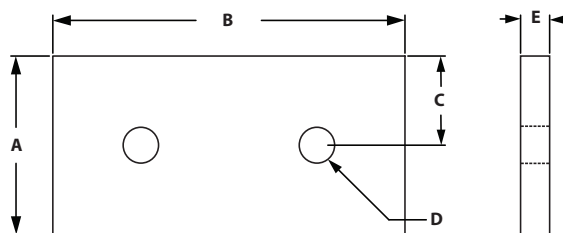


◦ Secures mesh panel retainers to the wire mesh

BACKING PLATE



BACKING PLATE-WIDE



### BACKING PLATES

ITEM#	SERIES	A	B	C	D-THREAD	E
664069	40	38.10mm	38.10mm	19.00mm	M8 x 1.25	6.35mm

### BACKING PLATES-WIDE

ITEM#	SERIES	A	B	C	D-THREAD	E
664205	40	38.10mm	80.00mm	19.00mm	M8 x 1.25	6.35mm

### RECOMMENDED FASTENERS (RETAINER TO BACKING PLATE)

ITEM#	SERIES	QTY	QTY FOR WIDE	BOLT
651347	40	1	2	M8 x 20mm BHSCS

# TLOTS Hardware

## MESH PANEL RETAINERS ASSEMBLY



- Strongest way to retain wire mesh
  - Prevents wire mesh from pushing out of T-Slot
  - Simplifies installation and removal of wire mesh
- \*Fasteners for gauge wire included.*

### MESH PANEL RETAINERS ASSEMBLY

COMBO ITEM#	SERIES	RETAINER	QTY	BACKING PLATE	QTY	BOLT TO PLATE	QTY
664066	40	664082	1	664069	1	651347	1

### MESH PANEL RETAINERS ASSEMBLY - WIDE

COMBO ITEM#	SERIES	RETAINER	QTY	BACKING PLATE	QTY	BOLT TO PLATE	QTY
664206	40	664204	1	664205	1	651347	2

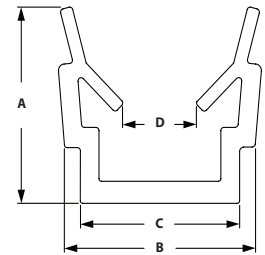
### RECOMMENDED FASTENERS (EXTRUSION SLOT)

ITEM#	SERIES	QTY	QTY FOR WIDE	BOLT
651506	40	1	2	M8 x 16mm BHSCS & Economy Trut

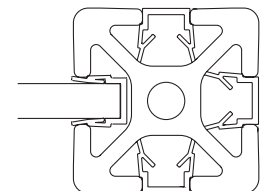
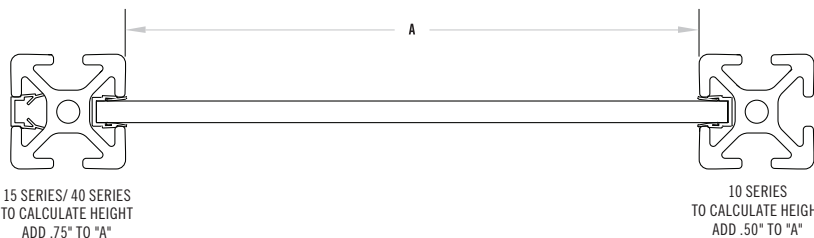
## DELUXE PLASTIC PANEL GASKET



- Recessed in slot to secure plastic panels
- The deluxe gasket can also be used as a slot cover
- 655827 only works with .236" (6mm) Panels



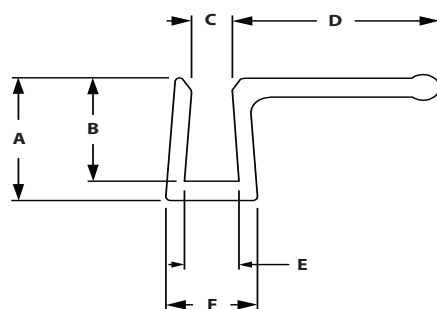
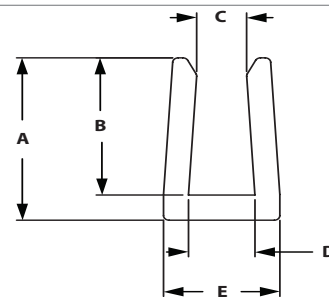
ITEM#	SERIES	COLOR	LENGTH	MATERIAL	A	C	D	E
655827	40	Black	78.74" (2M)	PP	12.00mm	9.40mm	8.00mm	5.00mm
655760	40	Yellow	78.74" (2M)	PP	11.00mm	9.00mm	8.20mm	5.00mm
655761	40	Natural	78.74" (2M)	PP	11.00mm	9.00mm <td 8.20mm	5.00mm	



## PANEL STIFFENER



- Increases the rigidity of 1/4" panels
- 72" full length sticks



ITEM#	SERIES	MAX LENGTH	A	B	C	D	E
655880	40	72"	18.03mm	15.24mm	4.60mm	6.10mm	10.67mm

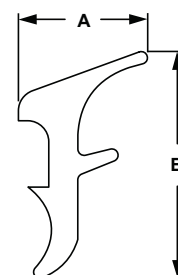
### WITH HANDLE

ITEM#	SERIES	MAX LENGTH	A	B	C	D	E	F
655881	40	72"	18.03mm	15.24mm	4.60mm	24.13mm	6.22mm	10.67mm

## RUBBER PANEL GASKET



- Place in slot to secure panels or mesh
- Can be easily placed in slot after panel or mesh has been placed
- Can be ordered by the foot or 150' roll



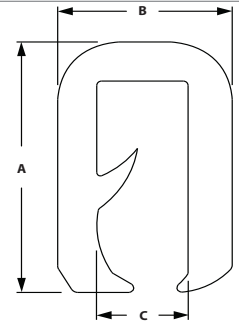
ITEM#	SERIES	SOLD	A	B
655110	40	Per Foot	7.90mm	13.89mm
655112	40	Per 150' Roll	7.90mm	13.89mm

# TLOTS Hardware

## WIRE EDGE COVER



- Applied to the edge of wire mesh to prevent cuts
- Creates a clean and a safe guarding

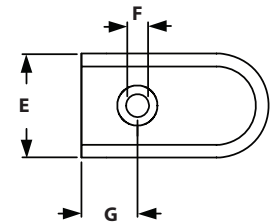
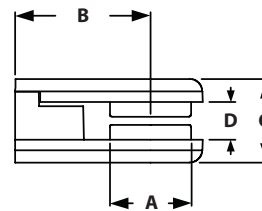


<b>ITEM#</b> 655312	<b>COLOR</b> Black	<b>MATERIAL</b> PVC/Aluminum	<b>A</b> 13.80mm	<b>B</b> 9.00mm	<b>C</b> 4.75mm
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## GLASS PANEL CLAMP



- To fix glass and other panels to extrusion
- Die-cast zinc
- For panels 2-9.5mm
- Included fasteners- M5 x 16mm SHCS Bright Zinc (connect clamps together) and 5 rubber pads for panels



<b>ITEM#</b> 671043	<b>SERIES</b> 40	<b>A</b> 19.5mm	<b>B</b> 32.5mm	<b>C</b> 20mm	<b>D</b> 9mm	<b>E</b> 25mm	<b>F</b> 5.5mm	<b>G</b> 13.5mm
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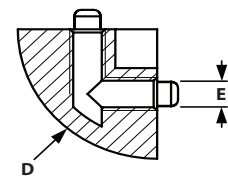
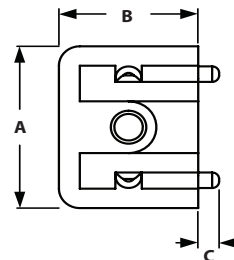
### RECOMMENDED FASTENERS

<b>ITEM#</b> 651787	<b>SERIES</b> 40	<b>QTY</b> 1	<b>DESCRIPTION</b> M5 x 16mm SHCS & Drop-In Tnut
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## GLASS PANEL CORNER CONNECTION



- To make corner connection with two panels using two glass panel clamps
- Die-cast zinc
- Included fasteners- 2 screws M5 x 12mm SHCS Bright Zinc

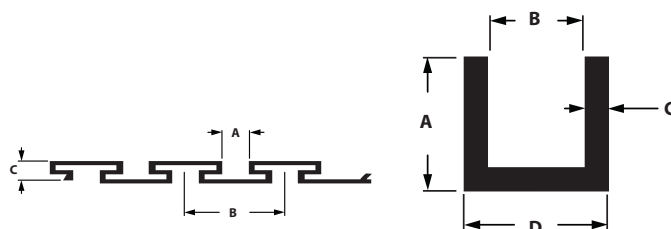


<b>ITEM#</b> 671044	<b>SERIES</b> 40	<b>B</b> 20mm	<b>C</b> 3mm	<b>D</b> R20	<b>E</b> M5
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## SLATWALL PANELS AND U CHANNEL



- Custom size panels are available
- Round to the next full panel



ITEM#	DESCRIPTION	SERIES	LENGTH	A	B	C	D
599900	Slatwall Panel	40	12' 6"	11.43mm	38.10mm	12.57mm	N/A
301901	U Channel	40	12'	19.05mm	12.70mm	3.18mm	19.05mm

### RECOMMENDED FASTENERS (FOR 10S EXTRUSION)

BOLT	QTY	DESCRIPTION
653273	1	10 to 15s 2 Hole Transition Strip
651130	1	1/4-20 x 1/2" FBHSCS & Econ Tnut
651129	1	5/16-18 x 11/16" FBHSCS & Econ Tnut

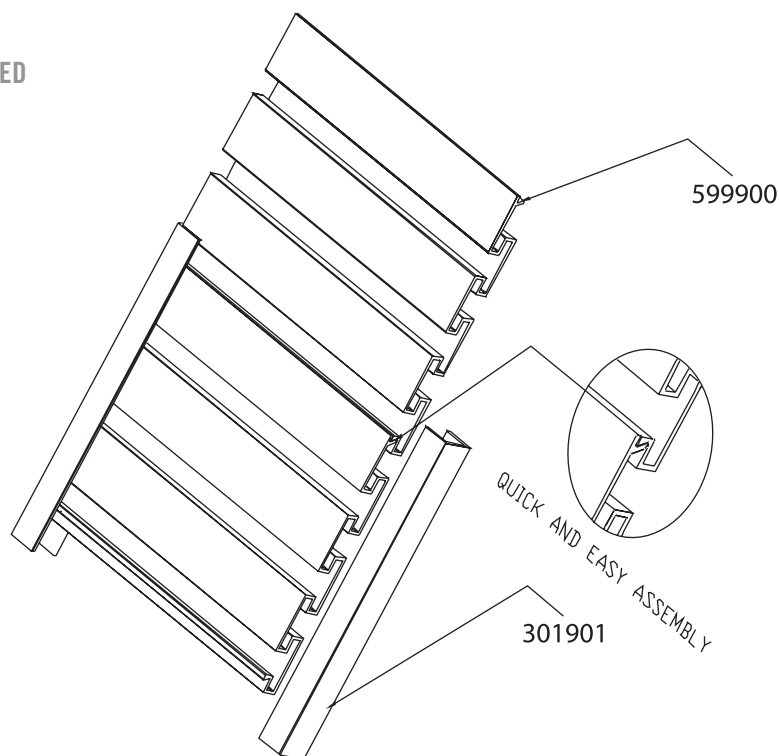
### RECOMMENDED FASTENERS (FOR 15S EXTRUSION)

BOLT	QTY	DESCRIPTION
653141	1	15s 2 Hole Joining Strip
651129	2	5/16-18 x 11/16" FBHSCS & Econ Tnut

### CALCULATION FORMULA FOR NUMBER OF PANELS NEEDED

(Desired Panel Height - 0.335)

4.6





# CONTENT

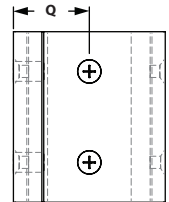
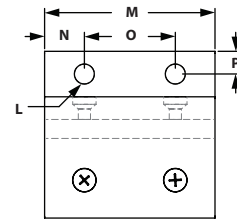
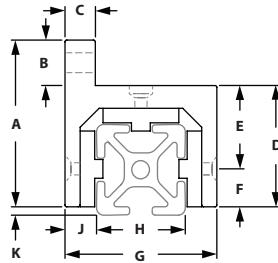
## 07 TSLOTS Metric Bearings

Economy Bearings .....	446-447
Machining Service .....	448-449
Replacement Pads .....	450
Brake Kits .....	451-452

## **07** LINEAR MOTION METRIC

# Linear Motion

## ECONOMY SINGLE FLANGE LINEAR BEARINGS - SHORT

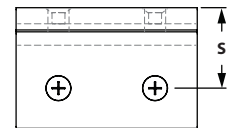
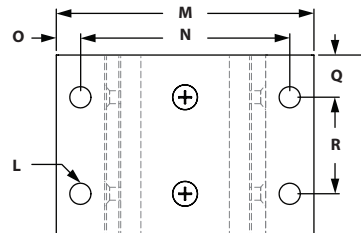
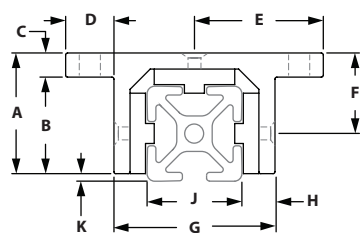


ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
657166	40	71.81mm	19.00mm	11.99mm	52.81mm	54.38mm	17.42mm	65.13mm	40.00mm	12.32mm	.258mm
		L	M	N	O	P	Q				
		8.33mm	74.98mm	17.50mm	40.00mm	9.50mm	32.56mm				

### RECOMMENDED FASTENERS

ITEM #	SERIES	QTY	BOLT	T-NUT
651367	40	2	M8 x 20mm SHCS	Offset Economy

## ECONOMY DOUBLE FLANGE SINGLE WIDE LINEAR BEARING - SHORT



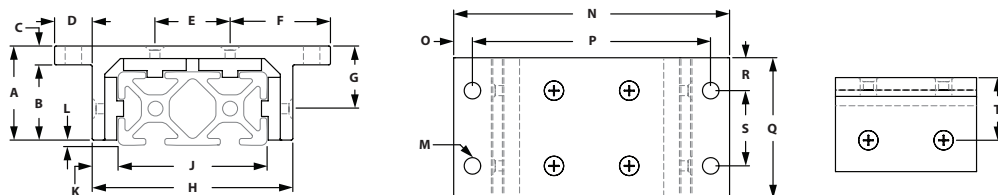
ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
657167	40	50.00mm	41.00mm	9.00mm	19.00mm	51.56mm	32.56mm	65.13mm	12.32mm	40.00mm	2.58mm
		L	M	N	O	P	Q	R	S		
		8.33mm	103.12mm	84.12mm	9.50mm	75.00mm	17.50mm	40.00mm	32.56mm		

### RECOMMENDED FASTENERS

ITEM #	SERIES	QTY	BOLT	T-NUT
651367	40	4	M8 x 20mm SHCS	Offset Economy

» See page \*\*\* for recommended load ratings.

### ECONOMY DOUBLE FLANGE DOUBLE WIDE LINEAR BEARING - SHORT

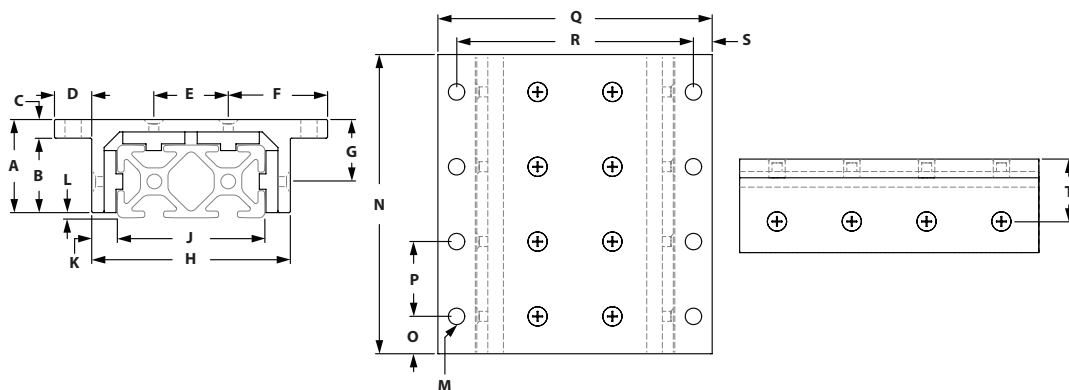


ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
657168	40	71.81mm	19.00mm	11.99mm	52.81mm	40.00mm	17.43mm	32.56mm	105.31mm	80.00mm	12.32mm
		L	M	N	O	P	Q	R	S	T	
		2.58mm	8.33mm	143.31mm	9.50mm	124.31mm	75.00mm	17.50mm	40.00mm	32.56mm	

#### RECOMMENDED FASTENERS

ITEM #	SERIES	QTY	BOLT	T-NUT
651367	40	4	M8 x 20mm SHCS	Offset Economy

### ECONOMY DOUBLE FLANGE DOUBLE WIDE LINEAR BEARING - LONG



ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
657176	40	71.81mm	19.00mm	11.99mm	52.81mm	40.00mm	17.43mm	32.56mm	105.31mm	80.00mm	12.32mm
		L	M	N	O	P	Q	R	S	T	
		2.58mm	8.33mm	160.00mm	17.50mm	40.00mm	143.31mm	124.31mm	9.50mm	32.56mm	

#### RECOMMENDED FASTENERS

ITEM #	SERIES	QTY	BOLT	T-NUT
651367	40	8	M8 x 20mm SHCS	Offset Economy

» See page 221 for recommended load ratings.

# Linear Motion

## LINEAR BEARING MACHINING SERVICES

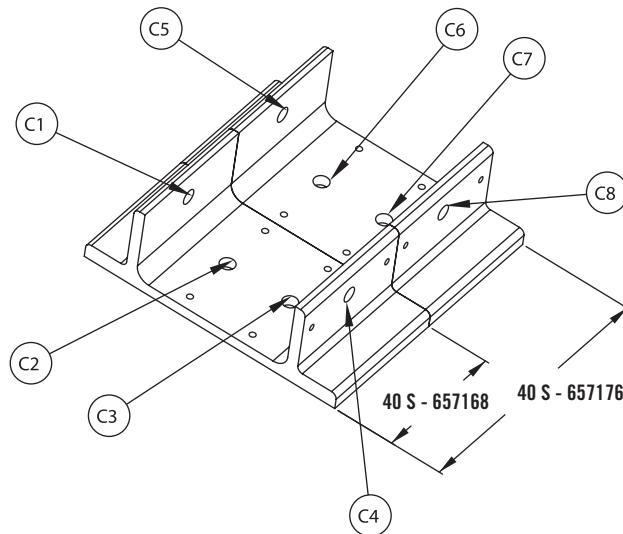
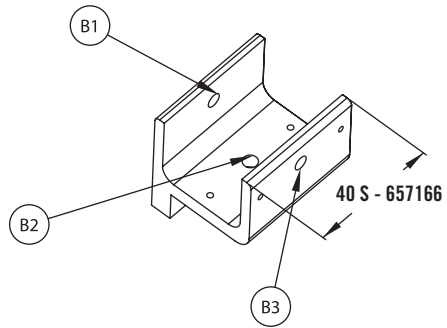
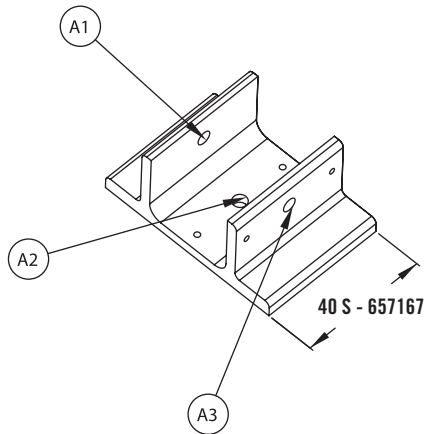


» We recommend applying Linear Brake on the side without the set screw if possible.  
 » Refer to linear bearing drawings on pages 214-219 for dimensions.

ITEM #	SERIES	DESCRIPTION
660092	40	Brake Machining Service (.328) Hole

To order linear bearing machining services, specify the linear bearing, the machining service and the brake hole location.  
 When ordering linear bearing machining services, make sure the linear bearing and the machining service are both the same series.

Example - 657168 - 660092 @ C4



# Linear Bearing Information

## TLOTS LINEAR BEARINGS

The shimless linear bearing provides accurate linear movement on TLOTS extrusions. The bearing can be adjusted for the first time on an assembly or adjusted for wear while assembled to the application, providing that the adjustment screws are available to the adjustment tools. No shims, no disassembly, only accurate sliding.

1. Linear Bearing adjustable bearing pads are delivered in the open position. Slide the bearing on the extrusion to be used. (Fit will be loose, because of the open position.)
2. Using a 3/32 allen wrench for 40 Series linear bearing, loosen the Flathead socket cap screws on each side of the linear bearing incrementally as follows. (Fig. #1)

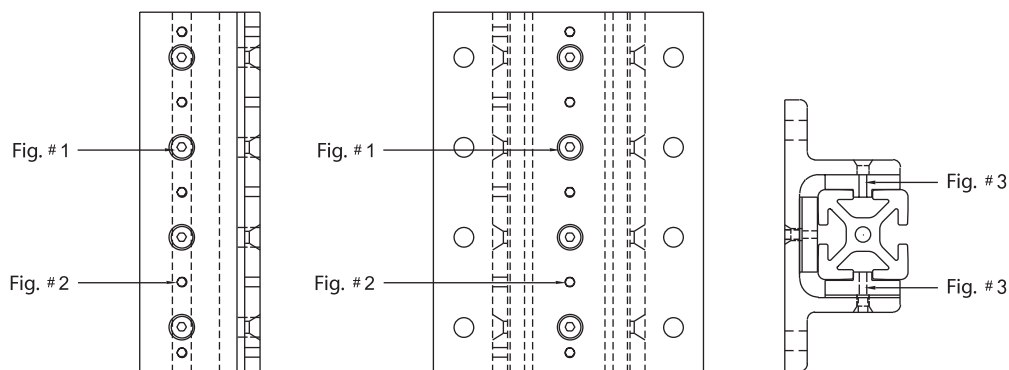
- 40 Series Bearing, 8-32 THREAD

*\*Each flathead screw should be loosened the same amount, to provide even shimming on the extrusion.*

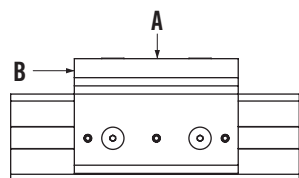
3. Tighten each set screw, using a 5/64 allen wrench for a 40 Series linear bearing, until each flat head screw is properly seated in each countersink. Hint: The amount of turns per set screw will be the same amount as for the flat head socket cap screw. (Fig. #2)

4. For fine tuning: Repeat steps 2 & 3.

*\*Replacement bearing pads are available through TLOTS or your distributor. Due to patent requirements, TLOTS requires all users of the aforementioned product to only replace bearing pads as per the drawing below. Only the opposing sides have keyed bearing pads. (Fig. #3)*



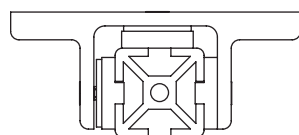
## LINEAR BEARING LOAD RATINGS



### LINEAR BEARING LOAD RATINGS FOR BOTH ECONOMY AND STANDARD BEARINGS

SERIES	LOAD A	FORCE B
40 S	500 lbs	Force to move = 60 lbs

*\*Values are recommended load ratings not to be used for design purposes.*

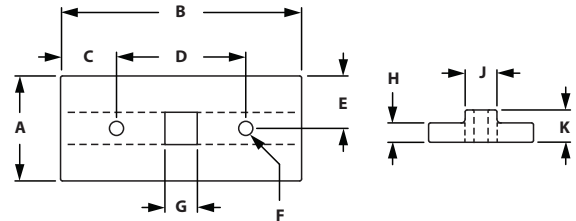


# Linear Bearing Replacement Pads

## ECONOMY BEARING REPLACEMENT PADS



- Material: UHMW
- Low friction to create better linear motion
- Single keyed
- Premachined holes for easy mounting



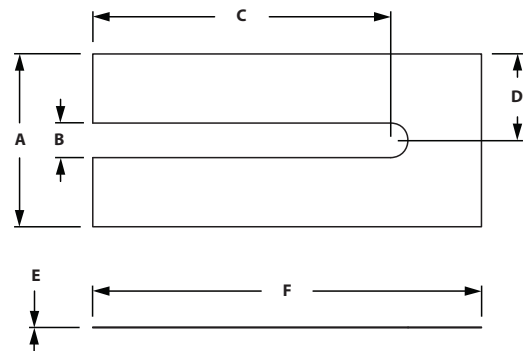
### KEYED PADS

ITEM#	SERIES	A	B	C	D	E	F	G	H	J	K
657177	40	31.75mm	74.12mm	17.06mm	40.00mm	15.88mm	3.18mm	7.92mm	6.17mm	7.92mm	9.53mm

## LINEAR BEARING SHIM STOCK PADS



- Material: Mylar
- Creates precise fit
- Loosen bearing and insert shim between bearing and pad
- Sold in packs of 10



### LINEAR BEARING SHIM STOCK

ITEM#	SERIES	COLOR	A	B	C	D	E	F
657123	40	Clear	31.75mm	6.35mm	54.76mm	15.88mm	.13mm	71.42mm

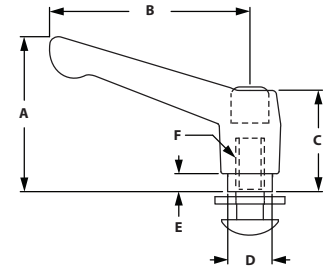
# Linear Bearing Brake Kits

\*Includes Handle, Stud and Washers  
Only applies to brake kits

## LINEAR BEARING BRAKE HANDLE KITS



- Adjustable brake kit that can be added to any bearing
- Quick release to allow movement and easy to secure to semi-permanent position
- Machining required for linear bearing



### L - HANDLE KIT

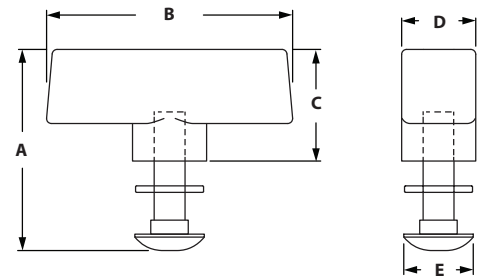
**ITEM#** 657079    **SERIES** 40    **COLOR** Black

**MATERIAL** Nylon

**A** 55.20mm    **B** 78.00mm    **C** 36.07mm    **D** 16.00mm    **E** 7.87mm    **F** 5/16-18



- Adjustable brake kit that can be added to any bearing
- Release to allow movement and easy to secure to semi-permanent position
- Machining required for linear bearing



### T - HANDLE KIT

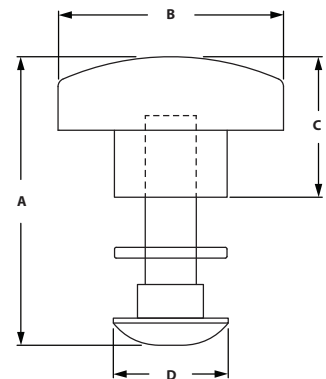
**ITEM#** 657080    **SERIES** 40    **COLOR** Black

**MATERIAL** Polyproylene

**A** 51.71mm    **B** 63.27mm    **C** 28.70mm    **D** 19.05mm    **E** 17.86mm



- Adjustable brake kit that can be added to any bearing
- Release to allow movement and easy to secure to semi-permanent position
- Machining required for linear bearing



### STAR - HANDLE KIT

**ITEM#** 657081    **SERIES** 40    **COLOR** Black

**MATERIAL** Polyproylene

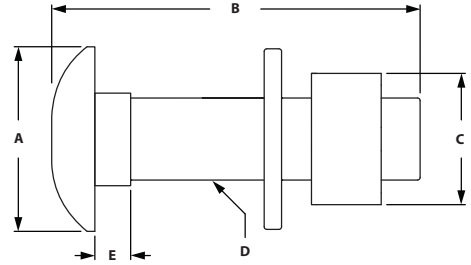
**A** 44.86mm    **B** 35.05mm    **C** 21.84mm    **D** 17.86mm



# Linear Bearing Brake Kits



- Adjustable stop that can be added to any bearing
- Tightens to secure locking capability
- Machining required for linear bearing



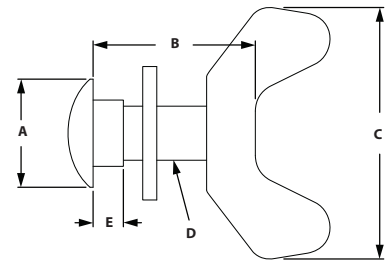
## HEX NUT BRAKE KIT

ITEM#	SERIES
657082	40

A	B	C	D	E
17.88mm	35.97mm	14.30mm	5/16-18	4.37mm



- Adjustable stop that can be added to any bearing
- Tightens to secure locking capability
- Machining required for linear bearing



## WING NUT BRAKE KIT

ITEM#	SERIES
657083	40

A	B	C	D	E
17.86mm	35.97mm	34.93mm	5/16-18	3.81mm