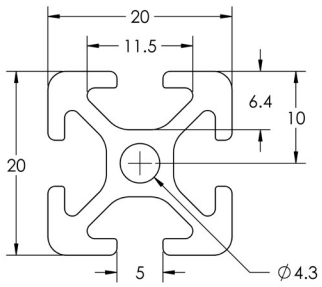
02 METRIC EXTRUSIONS

Metric Extrusions

TS20-20M

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



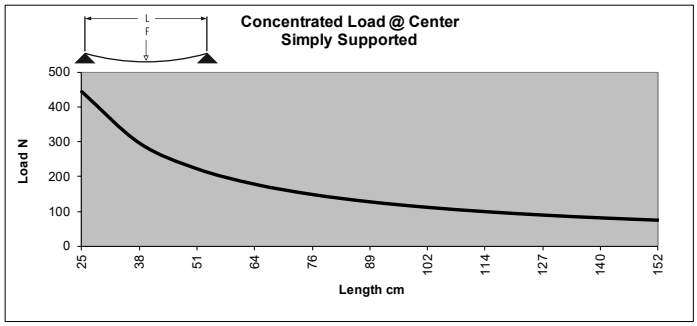
SPECIFICATIONS

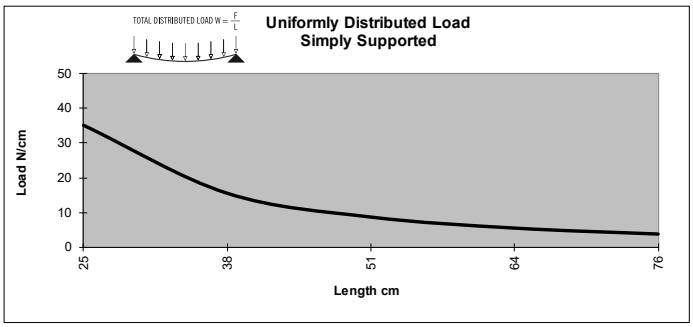
Length Clear	240" (6 m)
Length Black	240" (6 m)
Length Yellow	144" (3.6 m)
Weight	0.335 lbs/ft (0.498 kg/m)
Estimated Area	0.279 in^2 (1.799 cm^2)
Moment of Inertia	Ix 0.017= in^4 (0.707 cm^4)
	Iy 0.017= in^4 (0.707 cm^4)

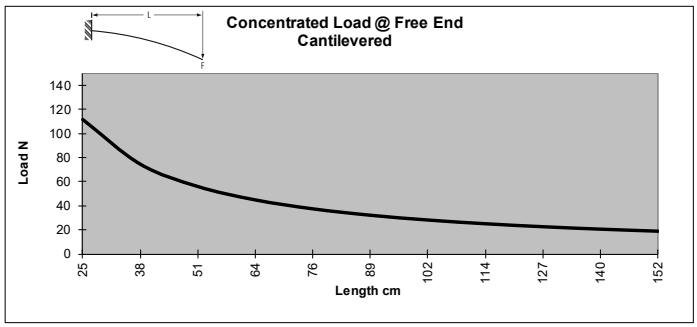
MACHINING SERVICES

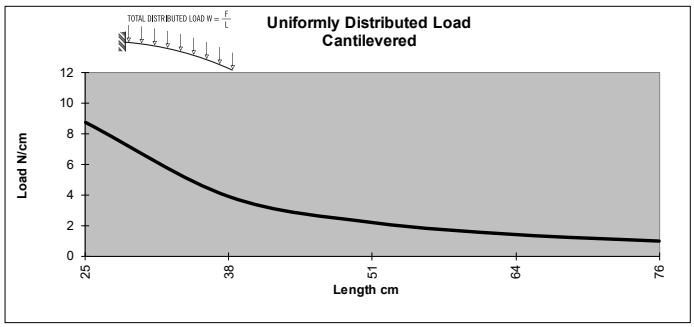
CTL	660002
Single Access Hole	660123
Tap M5	660124

BEAM SELECTION BY LOAD AND LENGTH







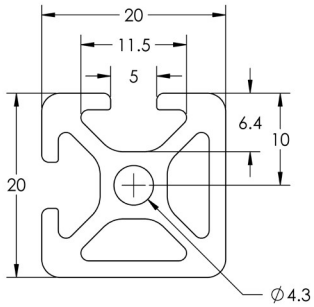


** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS20-20M BISLOT AD

Clear Anodized - 650049



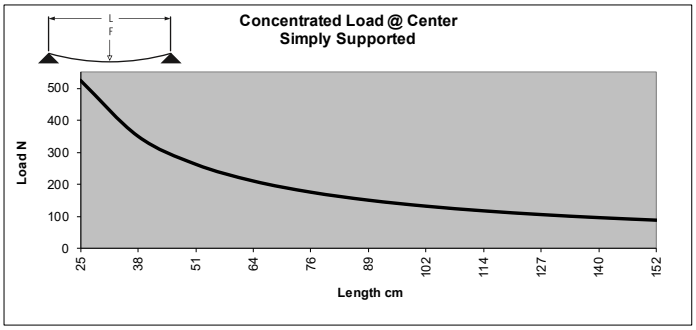
SPECIFICATIONS

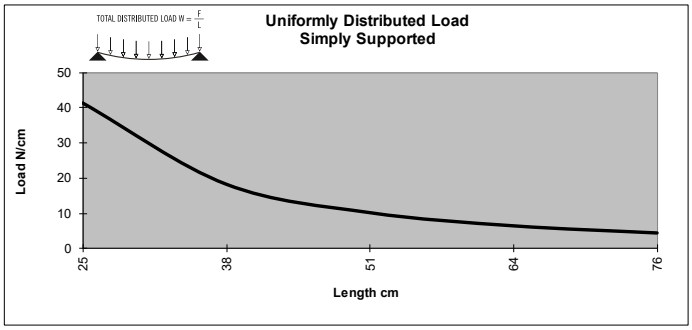
Length Clear	240" (6 m)
Weight	0.362 lbs/ft (0.538 kg/m)
Estimated Area	0.302 in^2 (1.948 cm^2)
Moment of Inertia	Ix 0.020 = in^4 (0.832 cm^4)
	Iy 0.020 = in^4 (0.832 cm^4)

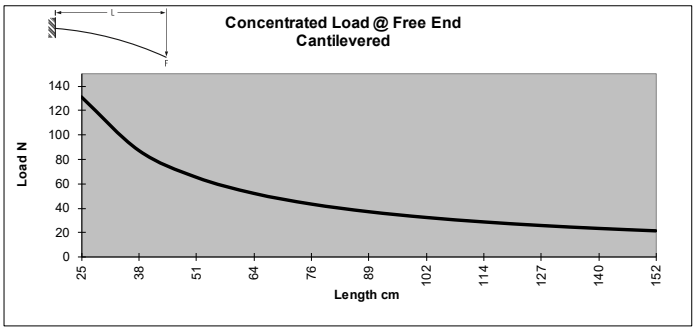
MACHINING SERVICES

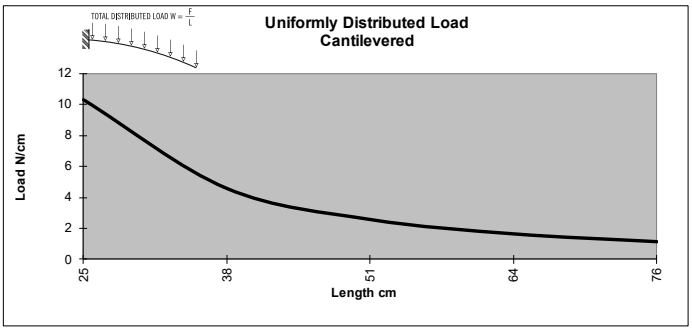
CTL	660002
Single Access Hole	660123
Tap M5	660124

BEAM SELECTION BY LOAD AND LENGTH









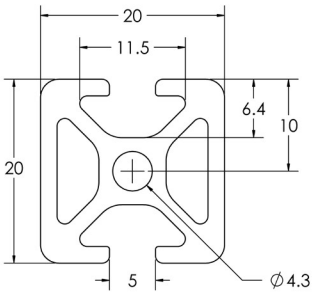
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

Metric Extrusions

TS20-20M BISLOT OPP

Clear Anodized - 650050



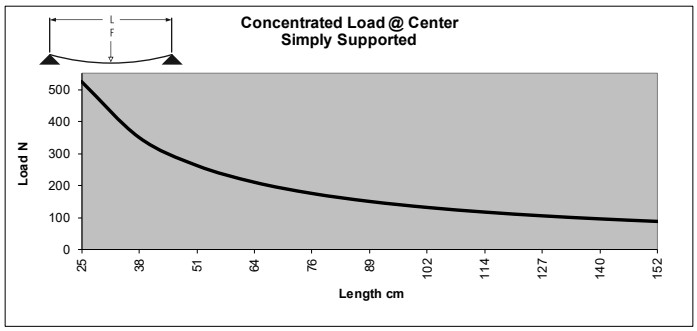
SPECIFICATIONS

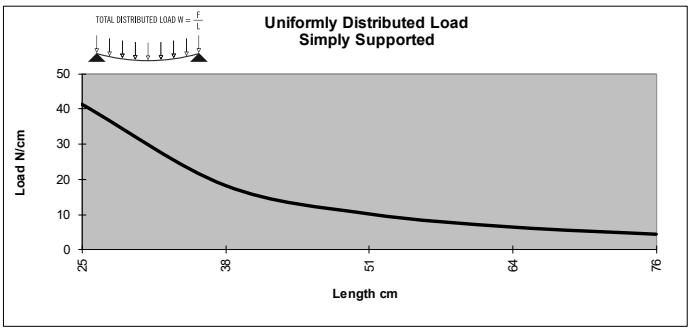
Length Clear	240" (6 m)
Weight	0.362 lbs/ft (0.538 kg/m)
Estimated Area	0.302 in^2 (1.948 cm^2)
Moment of Inertia	Ix .020 = in^4 (0.832 cm^4)
	Iy .020 = in^4 (0.832 cm^4)

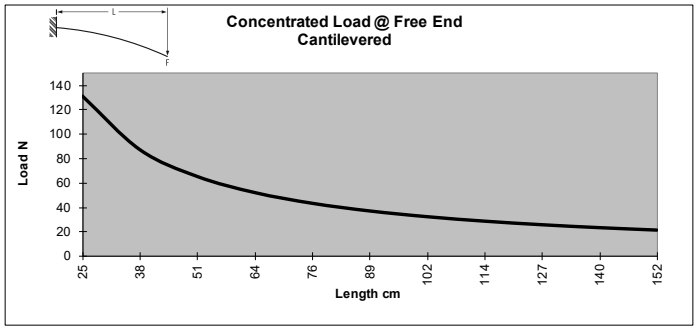
MACHINING SERVICES

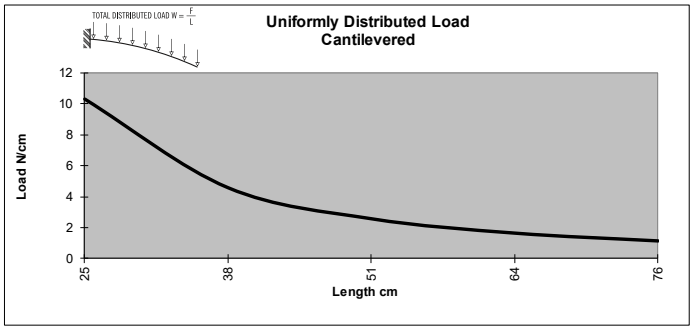
CTL	660002
Single Access Hole	660123
Tap M5	660124

BEAM SELECTION BY LOAD AND LENGTH







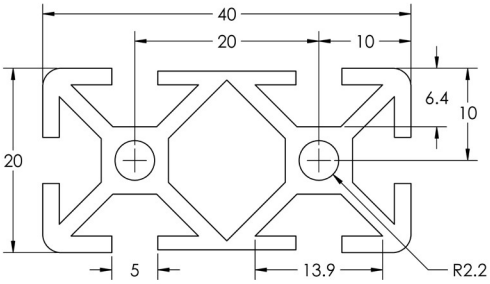


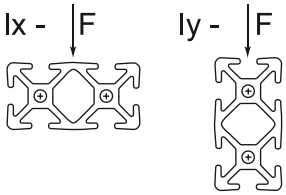
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS20-40M

Clear Anodized - 650046





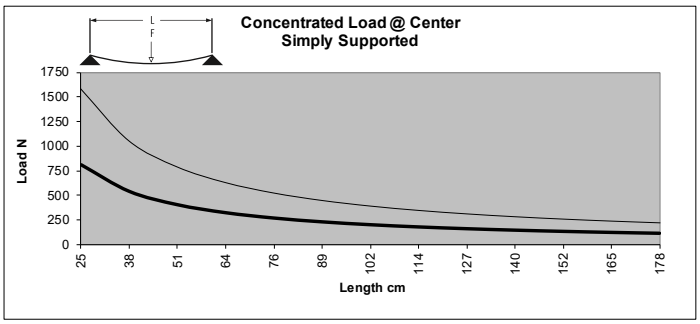
SPECIFICATIONS

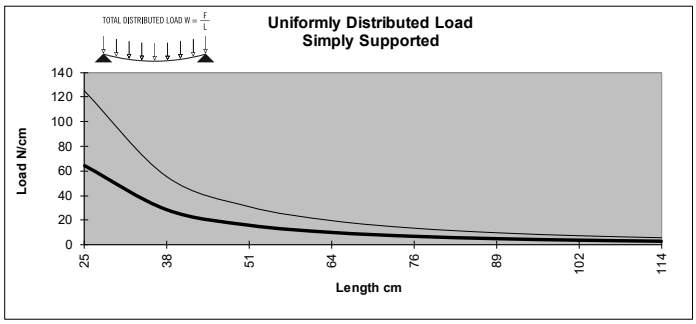
Length Clear	240" (6 m)
Weight	0.606 lbs/ft (0.901 kg/m)
Estimated Area	0.505 in^2 (3.258 cm^2)
Moment of Inertia	Ix 0.031= in^4 (1.290 cm^4)
	Iy 0.121= in^4 (5.036 cm^4)

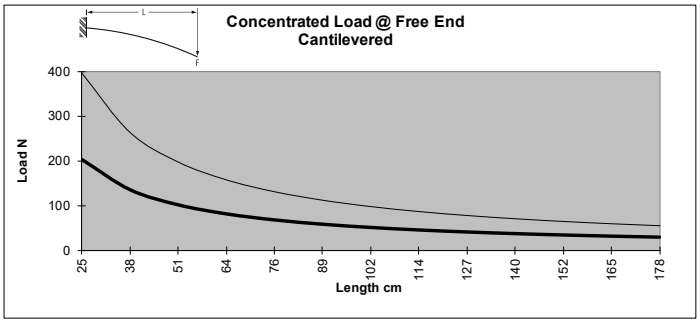
MACHINING SERVICES

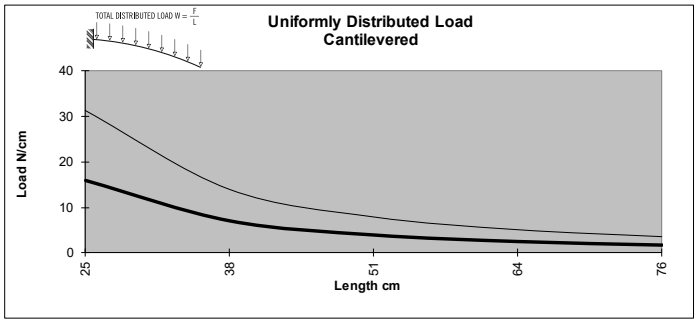
CTL	660000
Single Access Hole	660123
Tap M5	660189

BEAM SELECTION BY LOAD AND LENGTH









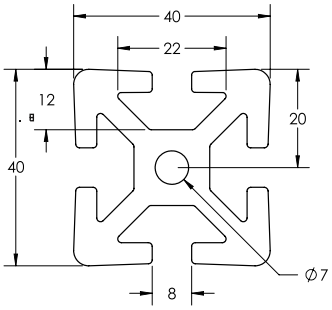
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

Metric Extrusions

TS40-40M

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



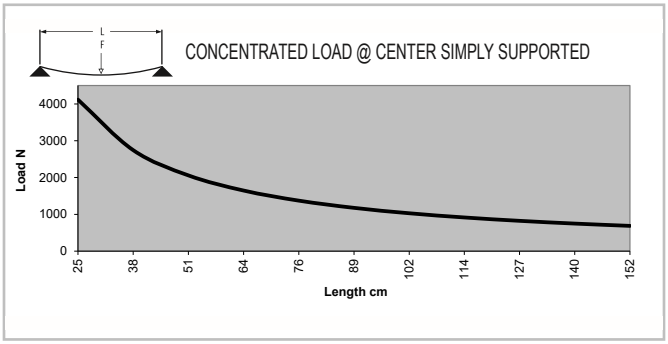
SPECIFICATIONS

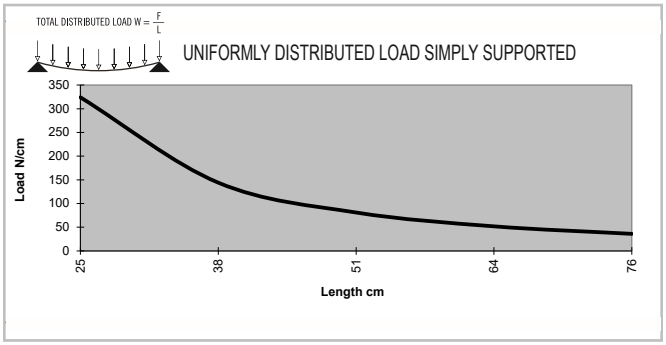
Length Clear	240" (6 m)
Length Black	240" (6 m)
Length Yellow	144" (3.6 m)
Weight	1.533 lbs/ft (2.281 kg/m)
Estimated Area	1.309 in^2 (8.447 cm^2)
Moment of Inertia	Ix=.314 in^4 (13.063 cm^4)
	Iy=.314 in^4 (13.063 cm^4)

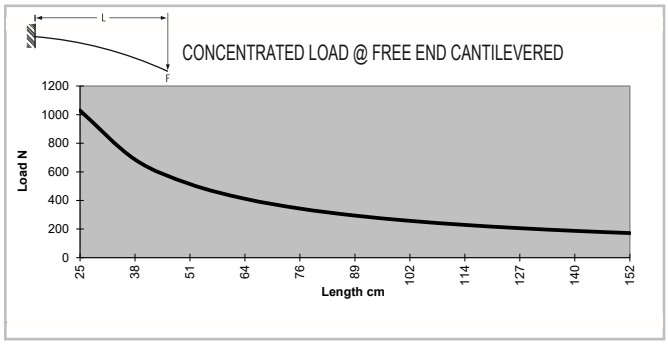
MACHINING SERVICES

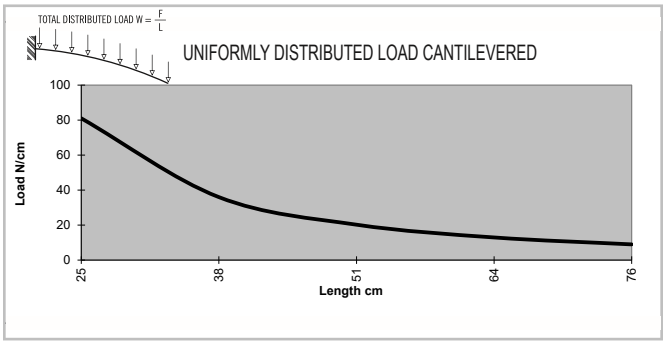
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH







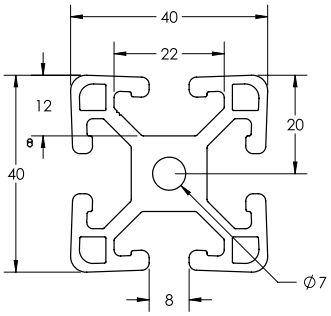


** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-40LM

Clear Anodized - 650033
Black Anodized - 650133



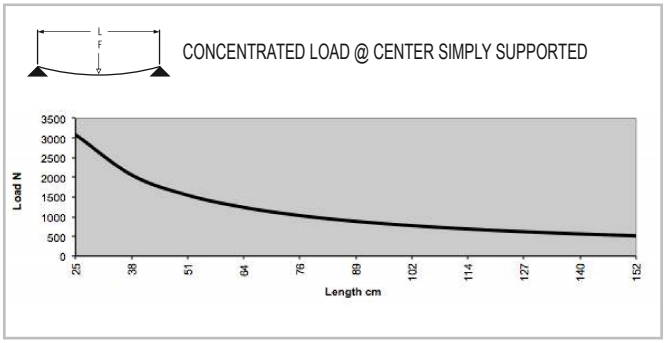
SPECIFICATIONS

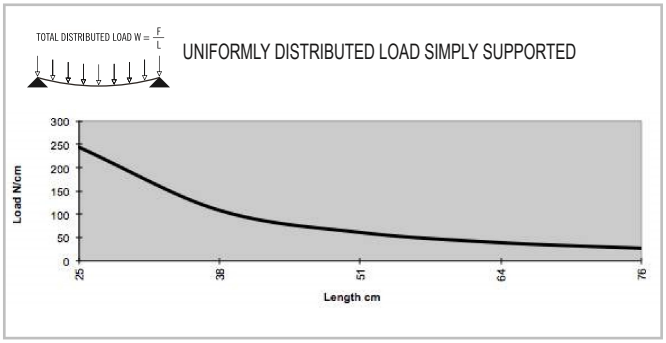
Length	240" (6 m)
Weight	1.242 lbs/ft (1.848 kg/m)
Estimated Area	1.050 in^2 (6.774 cm^2)
Moment of Inertia	Ix=.236 in^4 (9.823 cm^4)
	Iy=.236 in^4 (9.823 cm^4)

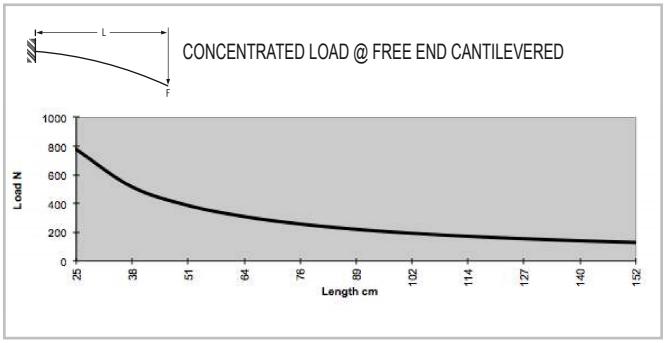
MACHINING SERVICES

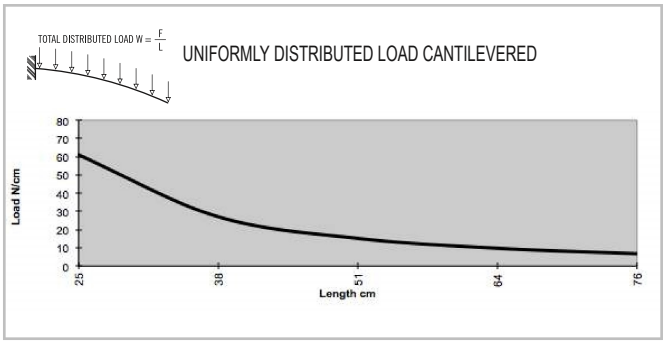
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH









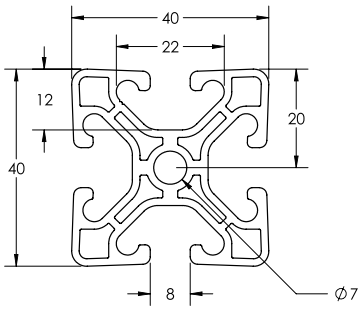
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

Metric Extrusions

TS40-40VLM

Clear Anodized - 650034



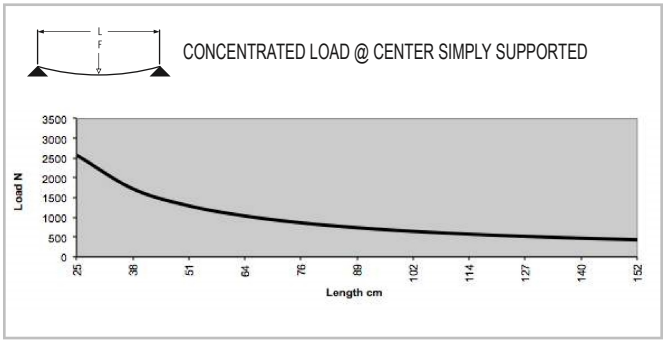
SPECIFICATIONS

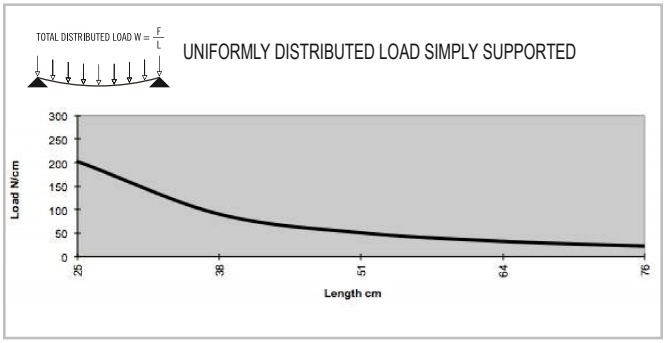
Length	240" (6 m)
Weight	1.020 lbs/ft (1.518 kg/m)
Estimated Area	0.836 in^2 (5.394 cm^2)
Moment of Inertia	Ix=.1972 in^4 (8.21 cm^4)
	Iy=.1972 in^4 (8.21 cm^4)

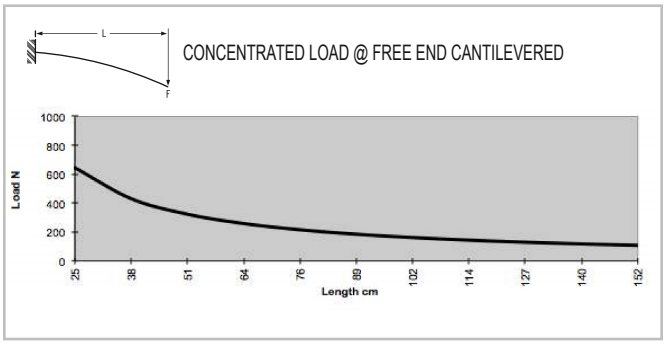
MACHINING SERVICES

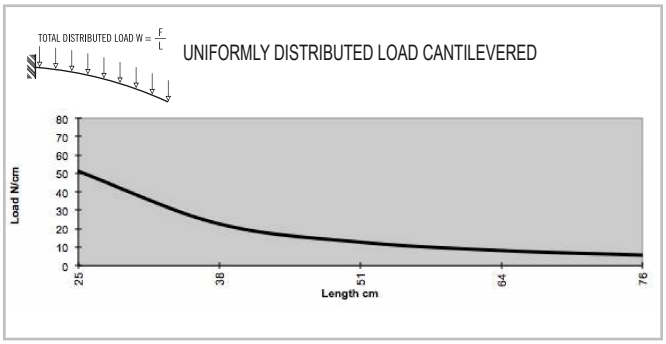
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH







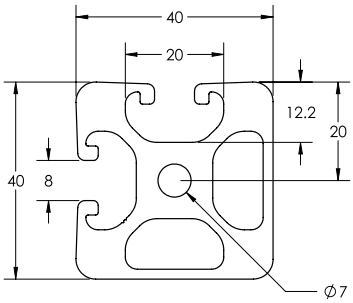


** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-40M BIAD

Clear Anodized - 650055



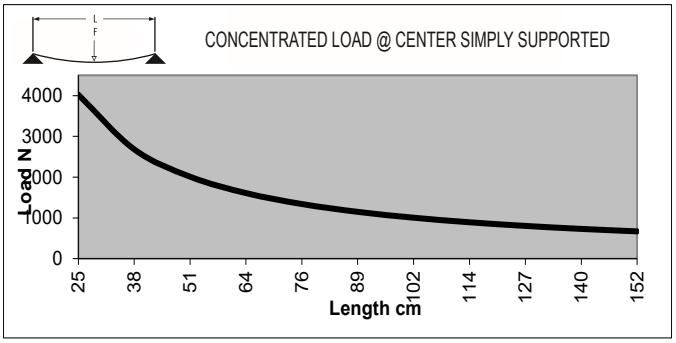
SPECIFICATIONS

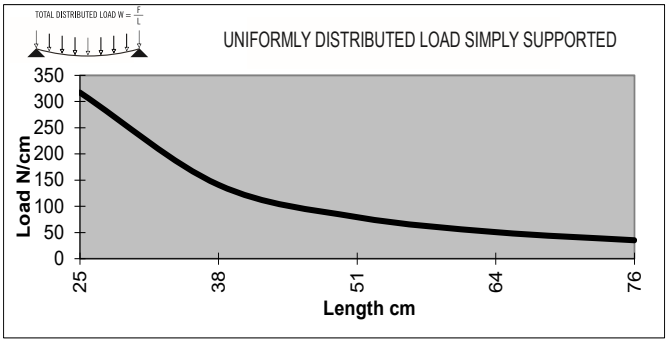
Length	240" (6 m)
Weight	1.471 lbs/ft (2.190kg/m)
Estimated Area	1.257 in^2 (8.109 cm^2)
Moment of Inertia	Ix=..307 in^4 (12.773 cm^4)
	Iy=.307 in^4 (12.773 cm^4)

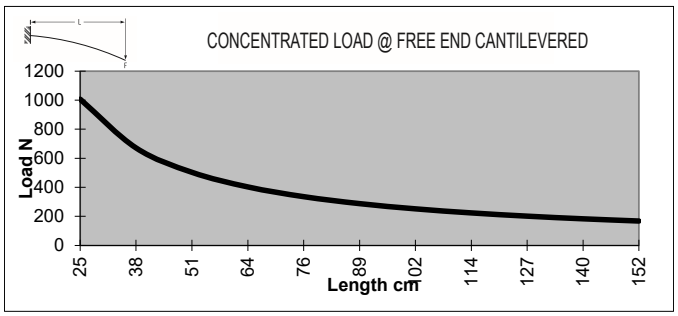
MACHINING SERVICES

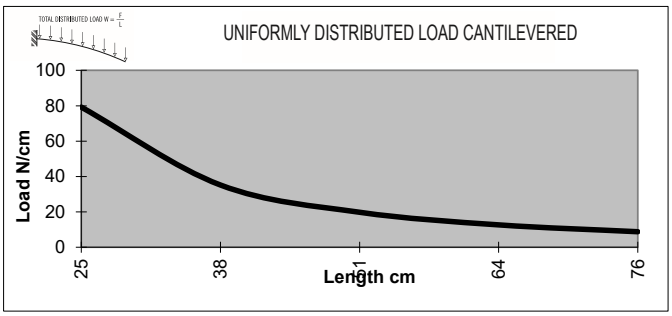
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH









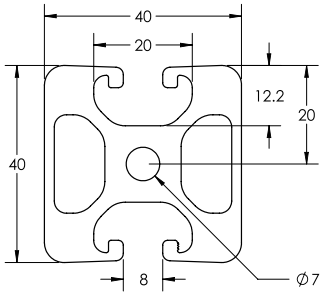
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

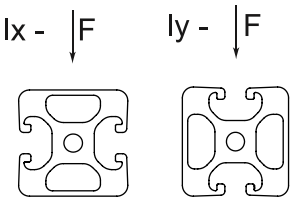
» For deflection equations see page 10

Metric Extrusions

TS40-40M BIOP

Clear Anodized - 650054





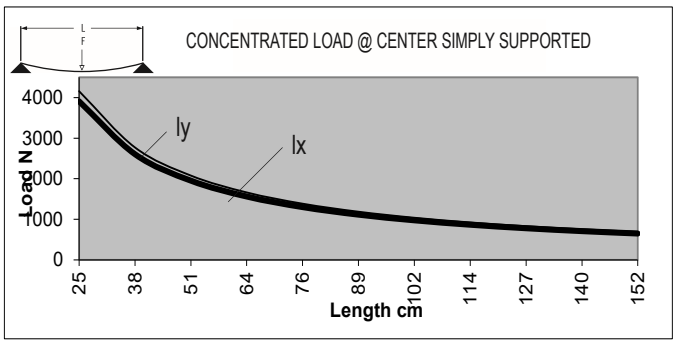
SPECIFICATIONS

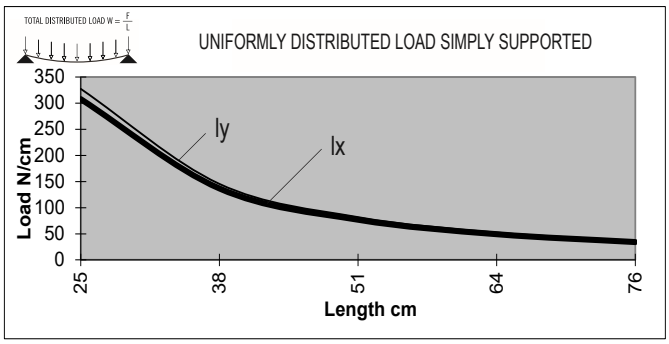
Length Clear	240" (6 m)
Weight	1.472 lbs/ft (2.191 kg/m)
Estimated Area	1.257 in^2 (8.112 cm^2)
Moment of Inertia	Ix=.298 in^4 (12.407 cm^4)
	Iy=.317 in^4 (13.193 cm^4)

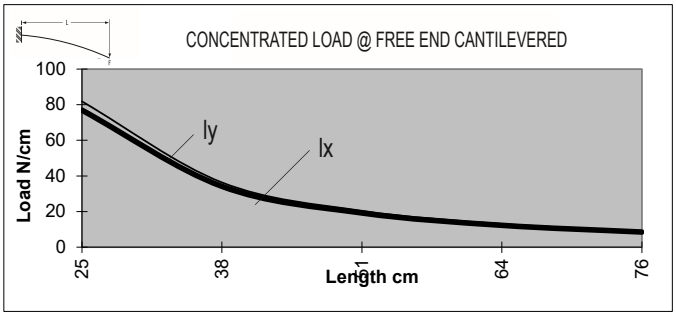
MACHINING SERVICES

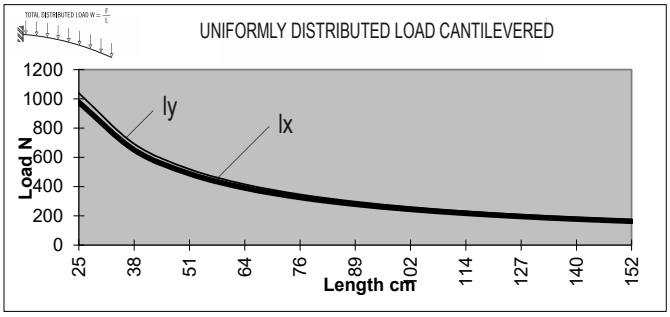
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH







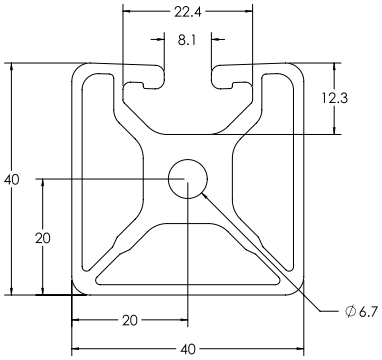


** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-40LM MONO

Clear Anodized - 650059



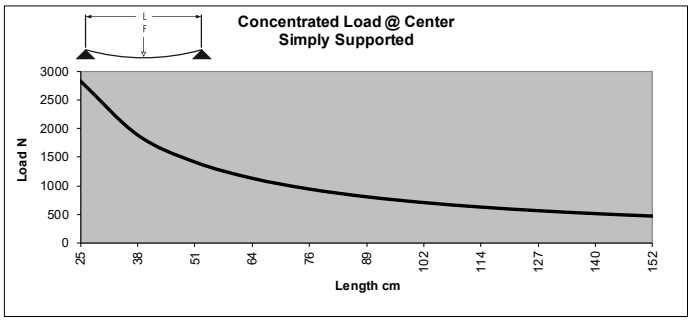
SPECIFICATIONS

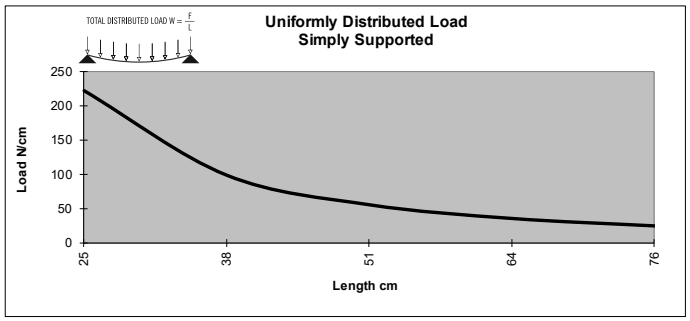
Length	240" (6 m)
Weight	1.145 lbs/ft (1.703 kg/m)
Estimated Area	0.954 in^2 (6.154 cm^2)
Moment of Inertia	0.216 Ix= in^4 (8.909 cm^4)
	0.212 Iy= in^4 (8.824 cm^4)

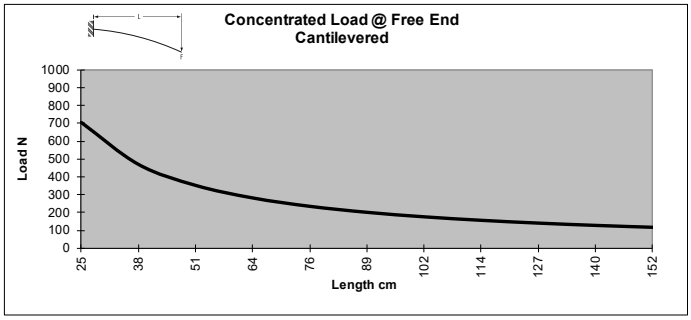
MACHINING SERVICES

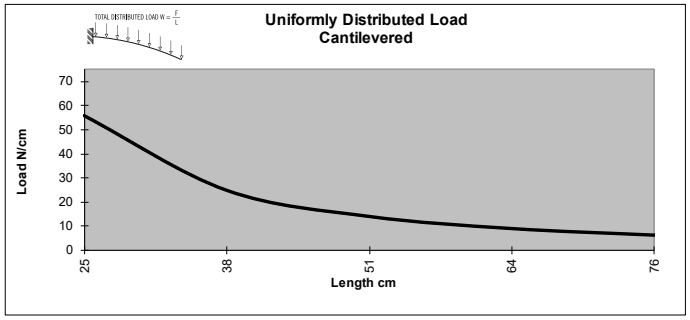
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH









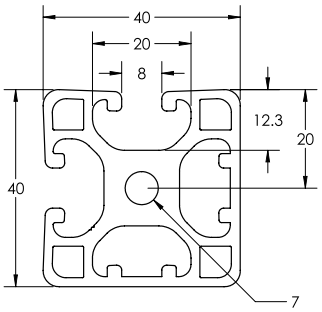
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

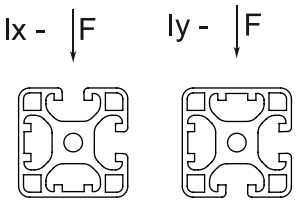
» For deflection equations see page 10

Metric Extrusions

TS40-40LM BISLOT AD

Clear Anodized - 650052





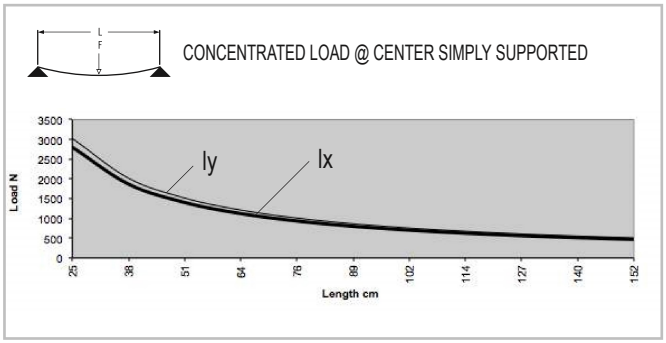
SPECIFICATIONS

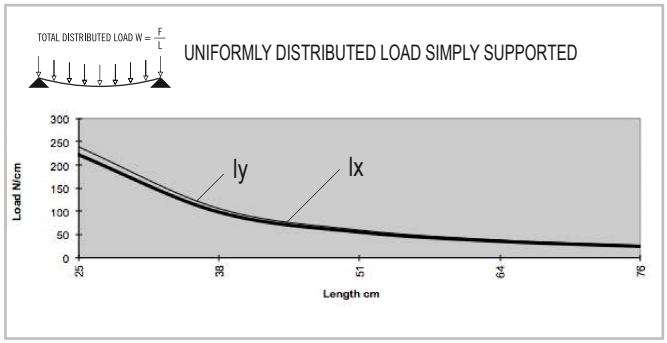
Length	240" (6 m)
Weight	1.265 lbs/ft (1.887 kg/m)
Estimated Area	1.057 in^2 (6.817 cm^2)
Moment of Inertia	Ix=0.214 in^4 (8.900 cm^4)
	Iy=0.231 in^4 (9.610 cm^4)

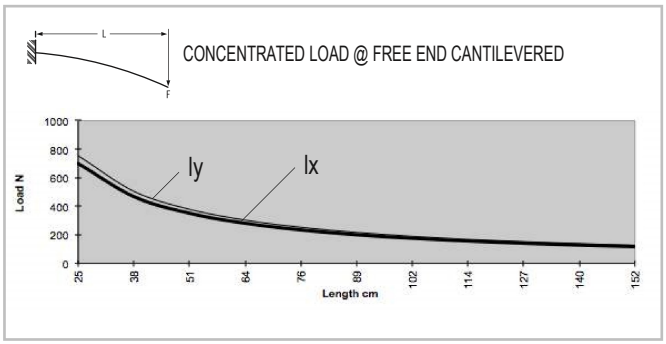
MACHINING SERVICES

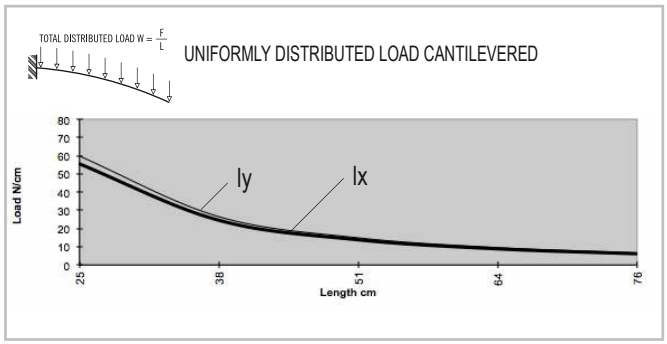
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH







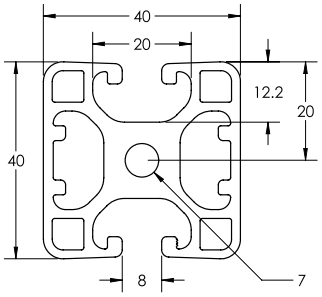


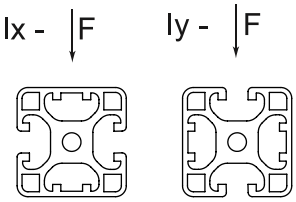
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-40LM BISLOT OPP

Clear Anodized - 650051





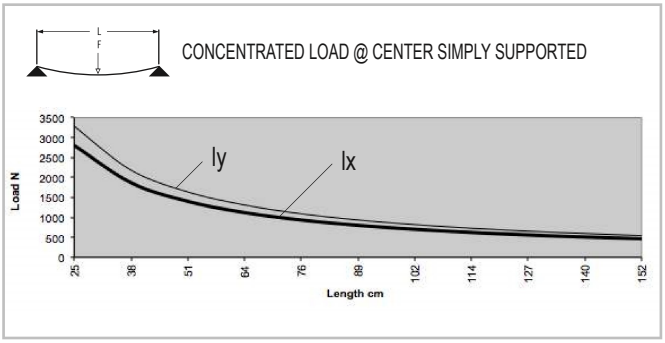
SPECIFICATIONS

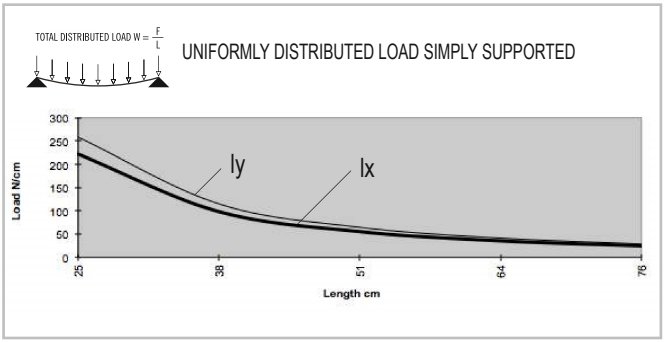
Length	240" (6 m)
Weight	1.267 lbs/ft (1.886 kg/m)
Estimated Area	1.056 in^2 (6.816 cm^2)
Moment of Inertia	Ix=0.214 in^4 (8.900 cm^4)
	Iy=0.250 in^4 (10.427 cm^4)

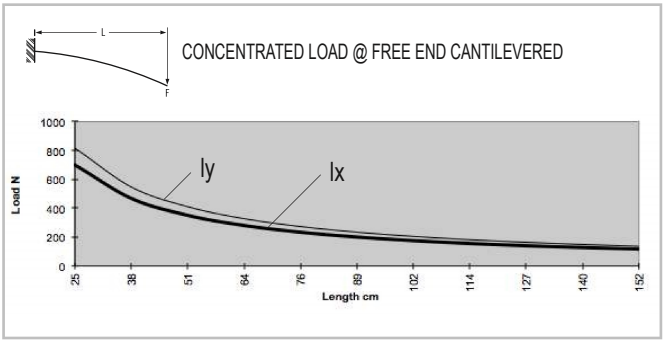
MACHINING SERVICES

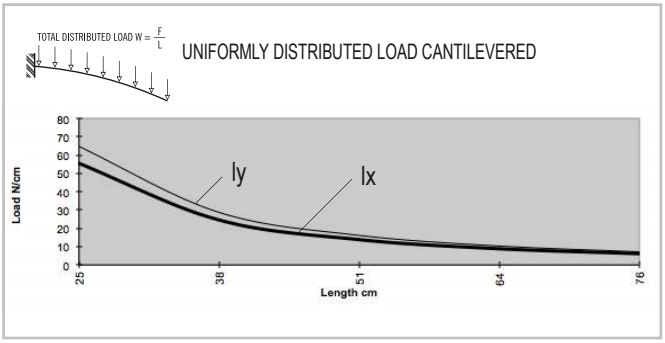
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH









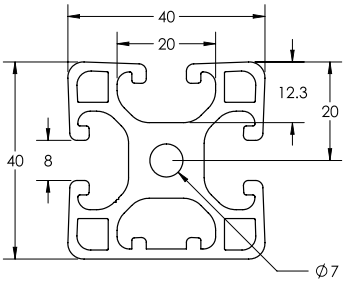
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

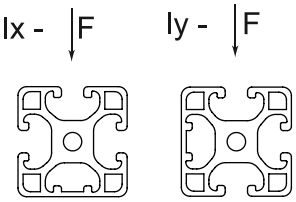
» For deflection equations see page 10

Metric Extrusions

TS40-40ML TRISLOT

Clear Anodized - 650056





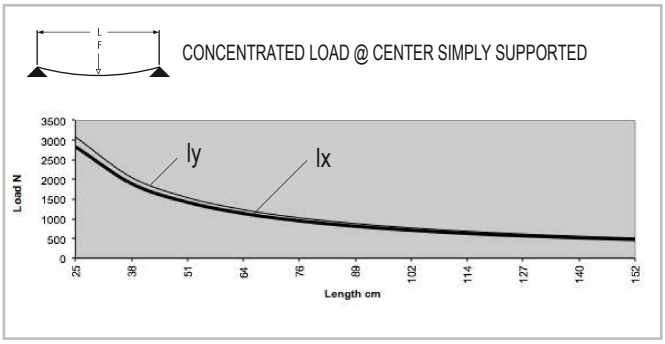
SPECIFICATIONS

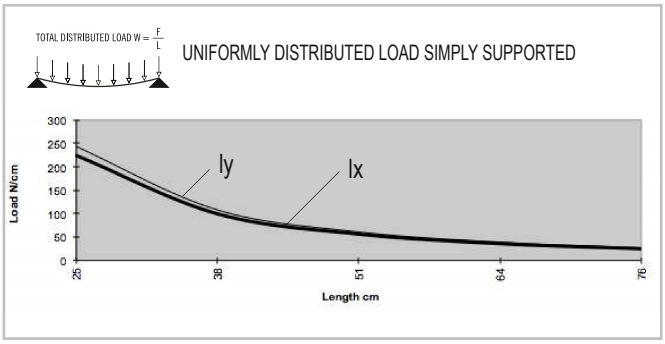
Length	240" (6 m)
Weight	1.228 lbs/ft (1.827 kg/m)
Estimated Area	1.023 (6.600 cm^2)
Moment of Inertia	Ix=0.217 in^4 (9.032 cm^4)
	Iy=0.235 in^4 (9.781 cm^4)

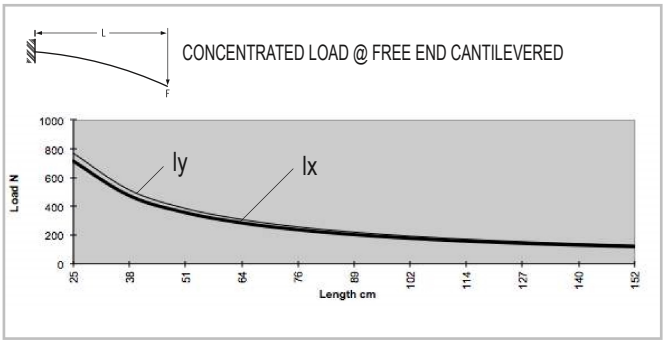
MACHINING SERVICES

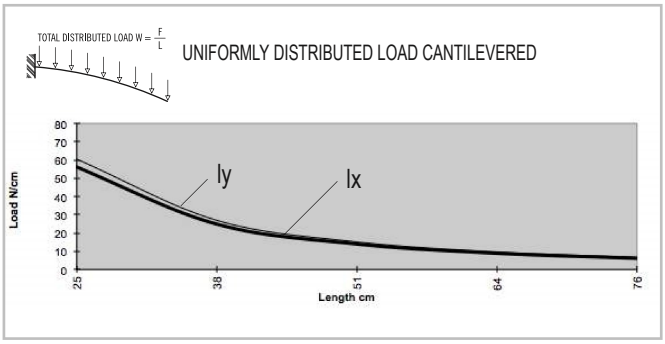
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH







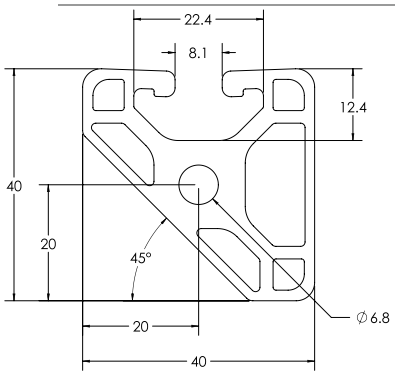


** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-45LM MONO

Clear Anodized - 650057



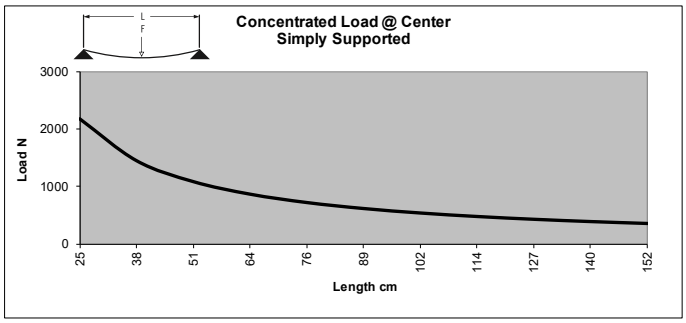
SPECIFICATIONS

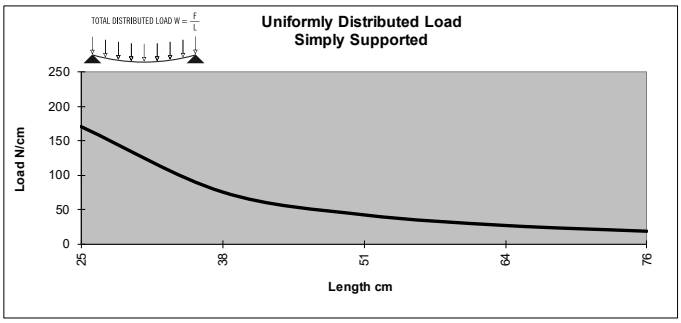
Length	144" (3.6 m)
Weight	1.058 lbs/ft (1.574 kg/m)
Estimated Area	0.881 in^2 (5.683 cm^2)
Moment of Inertia	0.166 Ix= in^4 (6.909 cm^4)
	0.166 Iy= in^4 (6.909 cm^4)

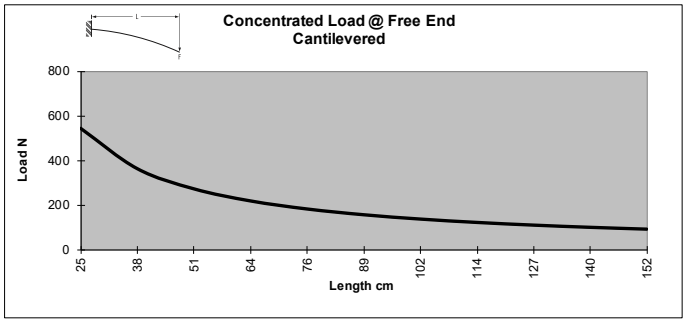
MACHINING SERVICES

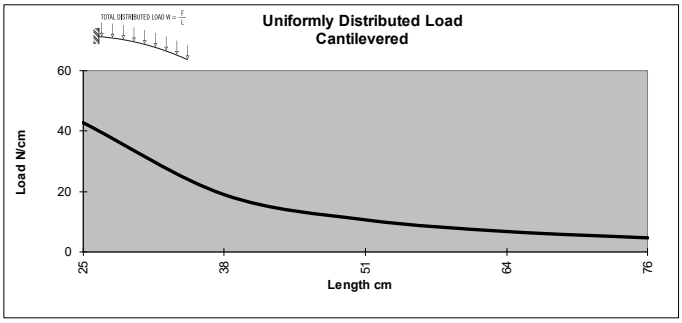
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660034
Tap M8	660033

BEAM SELECTION BY LOAD AND LENGTH









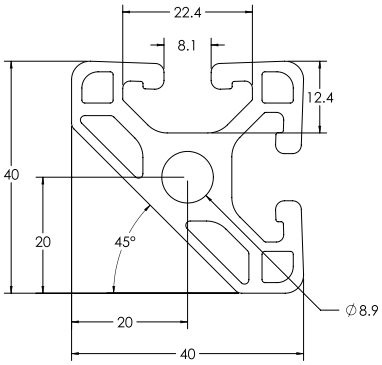
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

Metric Extrusions

TS40-45LM BISLOT

Clear Anodized - 650058



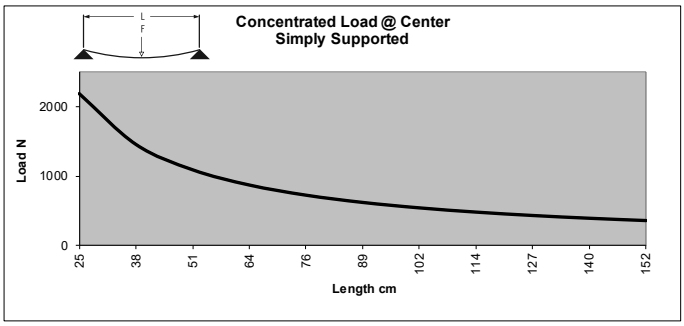
SPECIFICATIONS

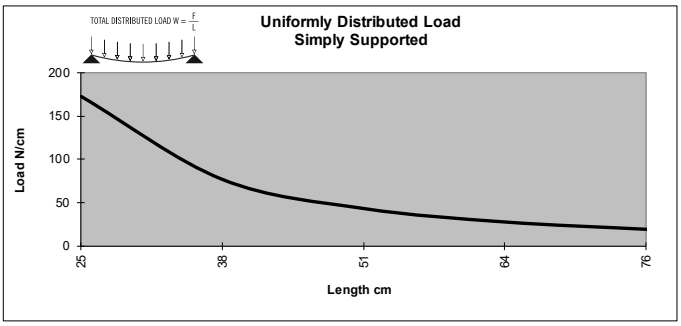
Length	144" (3.36 m)
Weight	1.058 lbs/ft (1.574 kg/m)
Estimated Area	0.885 in^2 (5.709 cm^2)
Moment of Inertia	0.166 Ix= in^4 (6.909 cm^4)
	0.166 Iy= in^4 (6.909 cm^4)

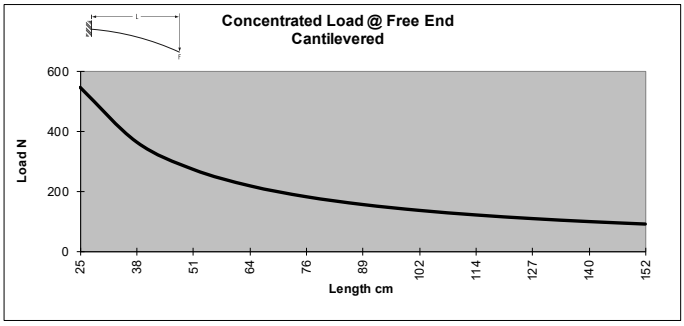
MACHINING SERVICES

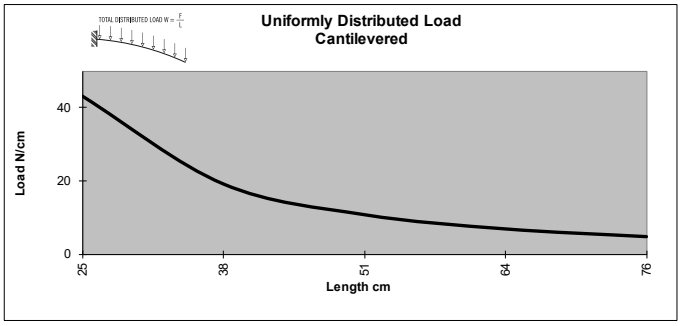
CTL	660003
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 3/8-16	660009
Tap M10	660121

BEAM SELECTION BY LOAD AND LENGTH







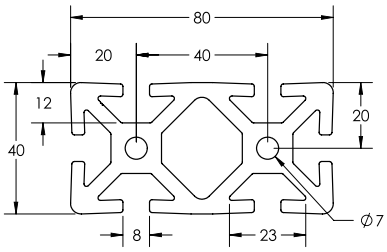


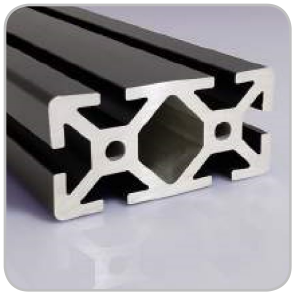
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

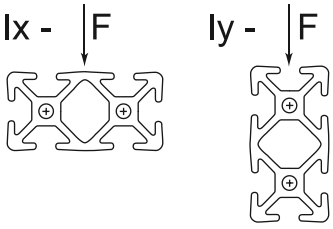
» For deflection equations see page 10

TS40-80M

Clear Anodized - 650036
Black Anodized - 650136







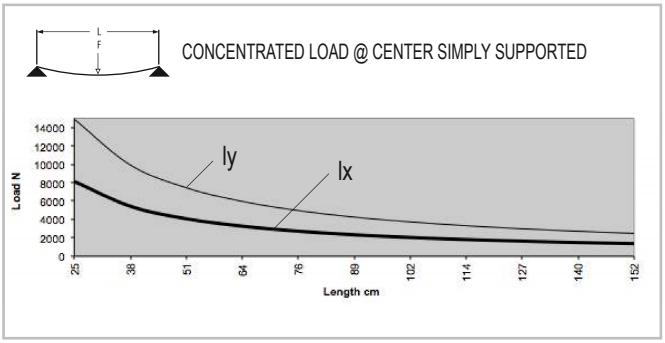
SPECIFICATIONS

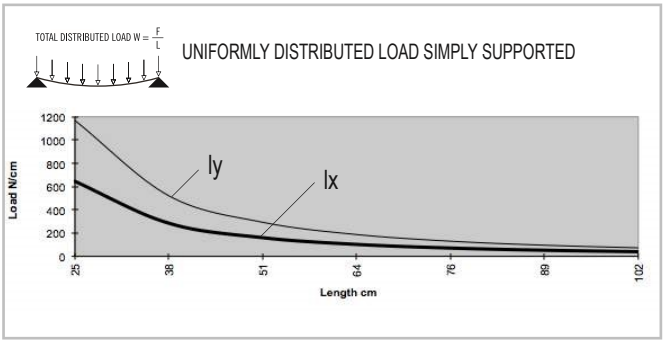
Length	240"(6 m)
Weight	2.851 lbs/ft (4.243 kg/m)
Estimated Area	2.423 in^2 (15.632 cm^2)
Moment of Inertia	Ix=.621 in^4 (25.848 cm^4)
	Iy=2.271 in^4 (94.526 cm^4)

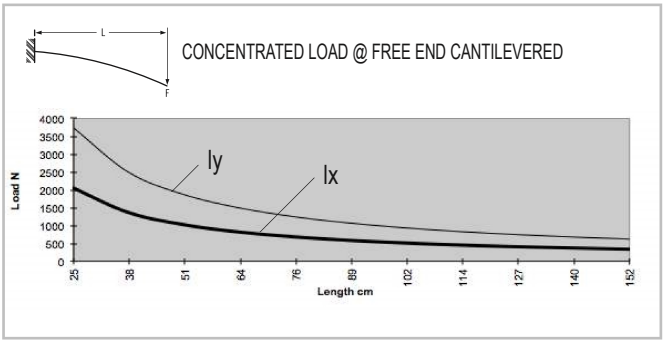
MACHINING SERVICES

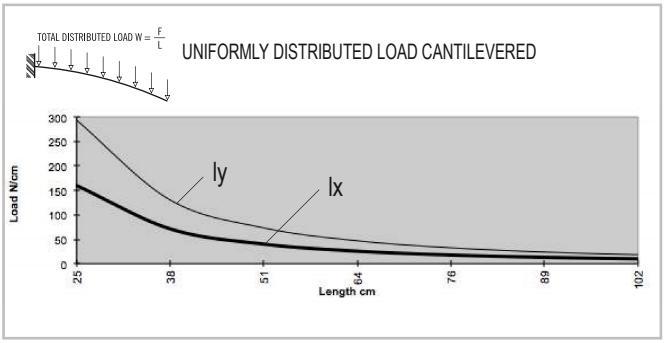
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH









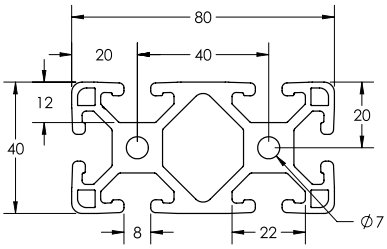
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

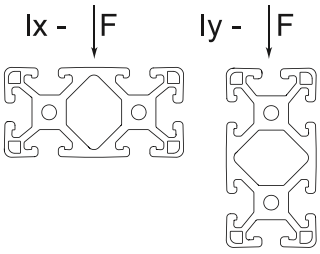
» For deflection equations see page 10

Metric Extrusions

TS40-80LM

Clear Anodized - 650037
Black Anodized - 650137





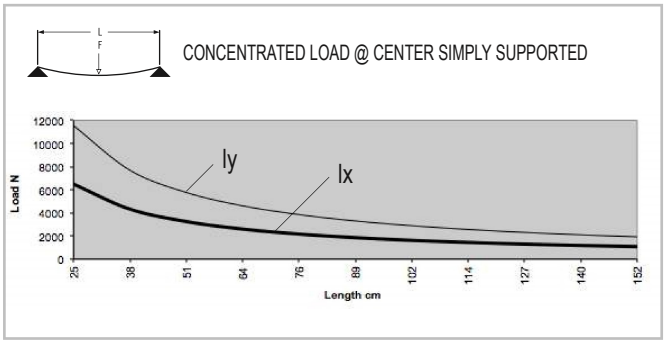
SPECIFICATIONS

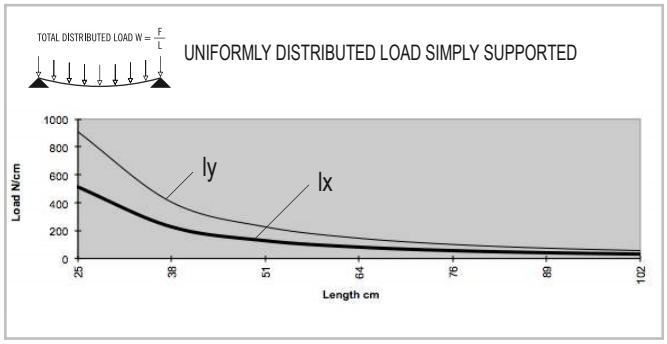
Length	240" (6 m)
Weight	2.352 lbs/ft (3.500 kg/m)
Estimated Area	2.021 in^2 (12.981 cm^2)
Moment of Inertia	Ix=.495 in^4 (20.603 cm^4)
	Iy=1.761 in^4 (73.298 cm^4)

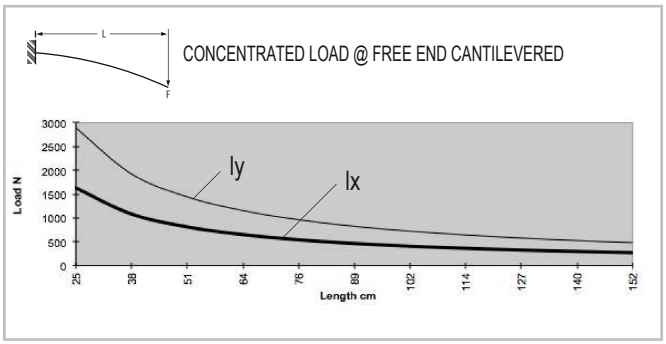
MACHINING SERVICES

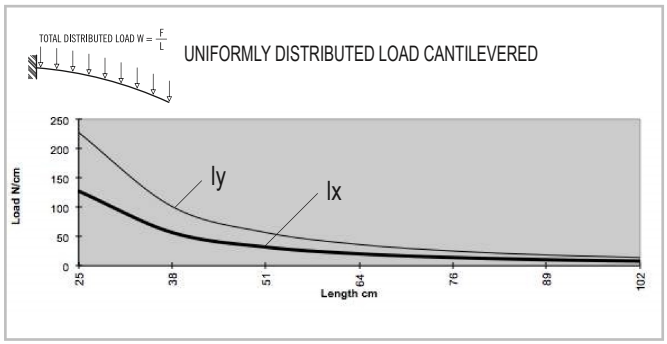
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH







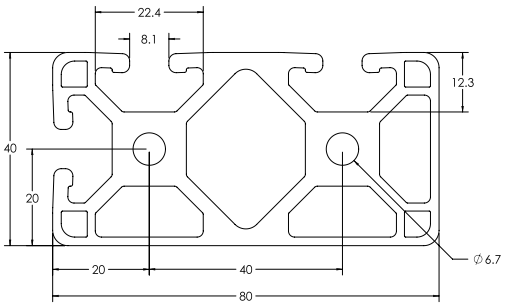


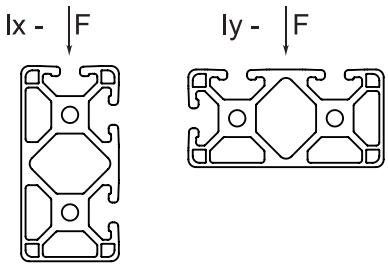
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-80LM 3 SLOT BIAD

Clear Anodized - 650065





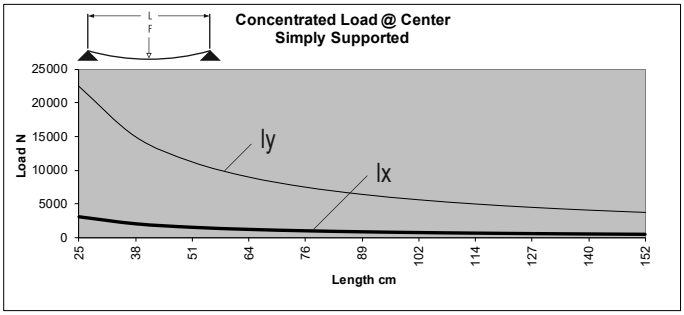
SPECIFICATIONS

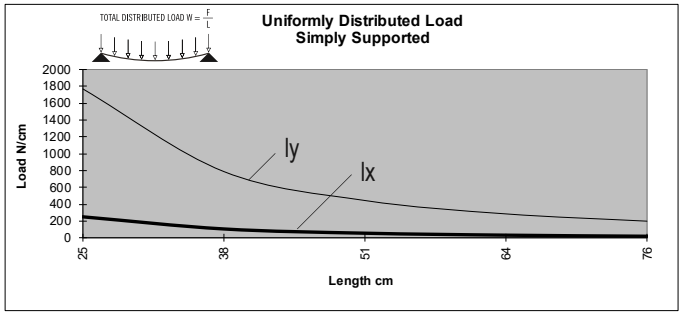
Length	240"(6 m)
Weight	2.318 lbs/ft (3.449 kg/m)
Estimated Area	1.932 in^2 (12.464 cm^2)
Moment of Inertia	0.481 Ix= in^4 (20.020 cm^4)
	1.713 Iy= in^4 (71.300 cm^4)

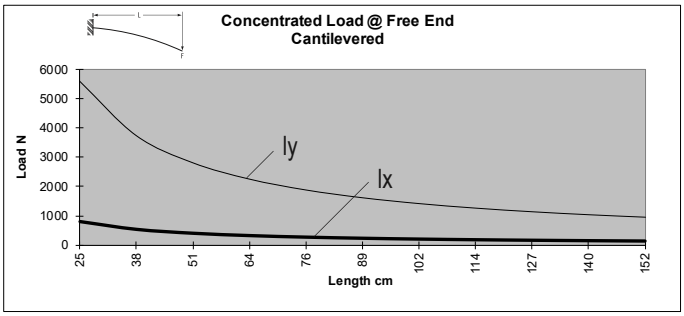
MACHINING SERVICES

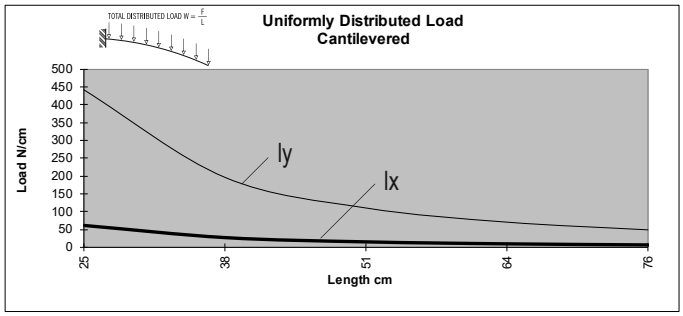
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH









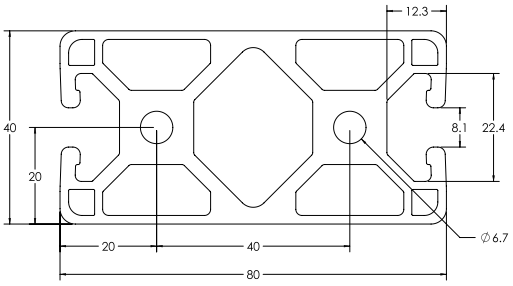
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

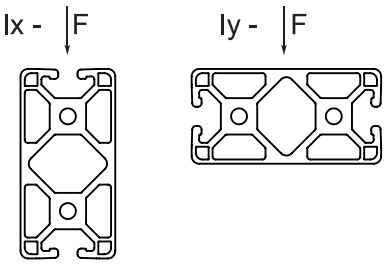
» For deflection equations see page 10

Metric Extrusions

TS40-80LM 2 SLOT BIOPP

Clear Anodized - 650066





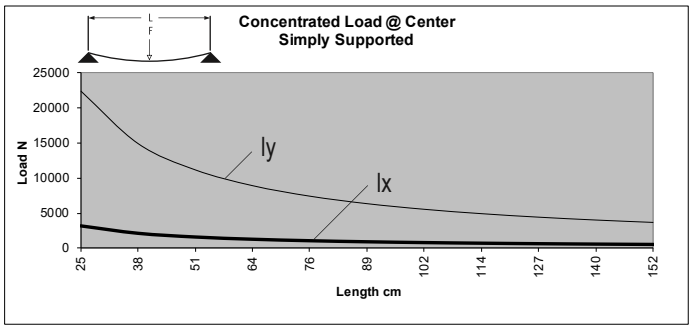
SPECIFICATIONS

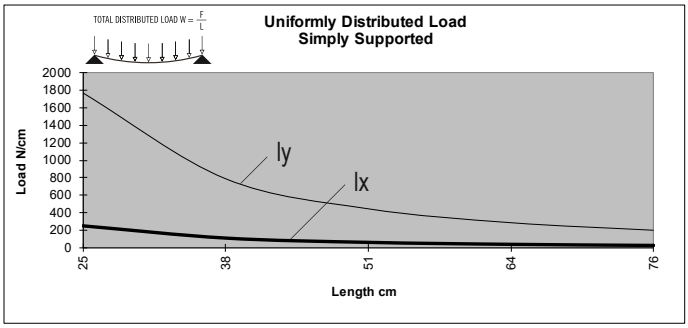
Length	240"(6 m)
Weight	2.303 lbs/ft (3.427 kg/m)
Estimated Area	1.919 in^2 (12.380 cm^2)
Moment of Inertia	0.479 Ix= in^4 (19.937 cm^4)
	1.712 Iy= in^4 (71.258 cm^4)

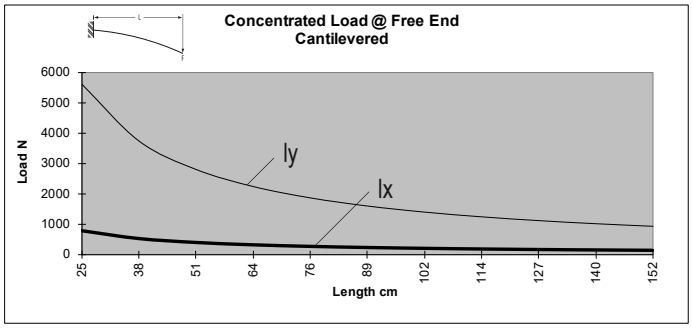
MACHINING SERVICES

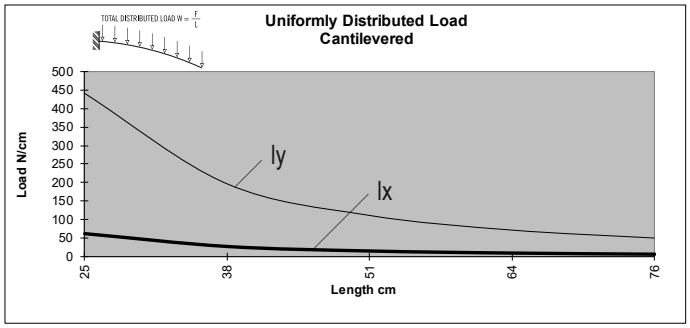
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH







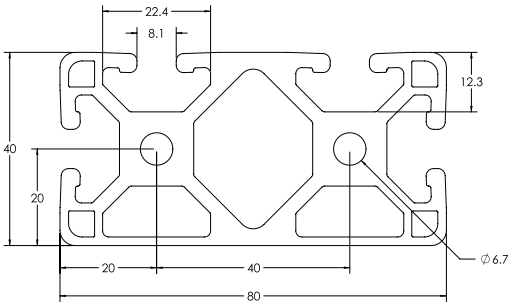


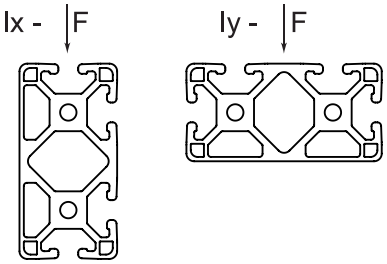
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS40-80LM 4 SLOT

Clear Anodized - 650067





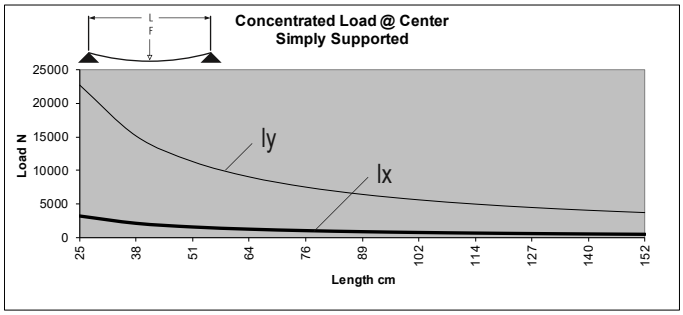
SPECIFICATIONS

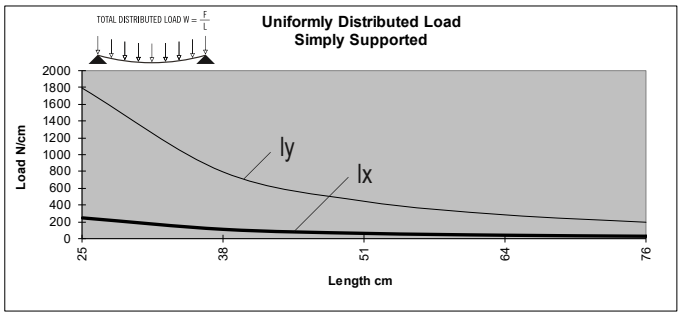
Length	240"(6 m)
Weight	2.333 lbs/ft (3.471 kg/m)
Estimated Area	1.944 in^2 (12.541 cm^2)
Moment of Inertia	0.484 Ix= in^4 (20.145 cm^4)
	1.733 Iy= in^4 (72.132 cm^4)

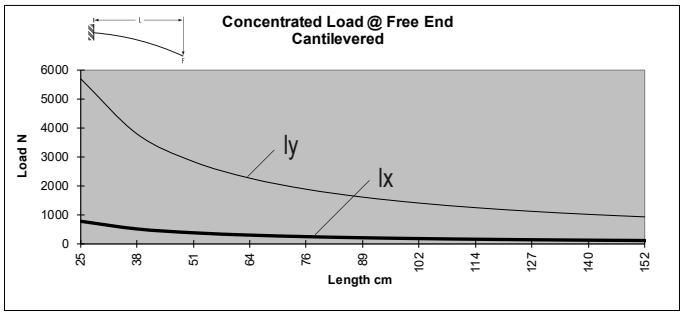
MACHINING SERVICES

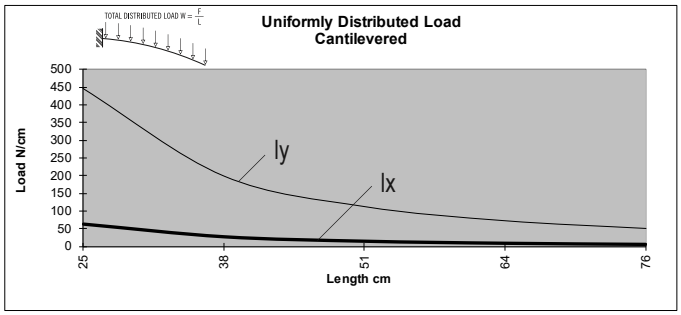
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH









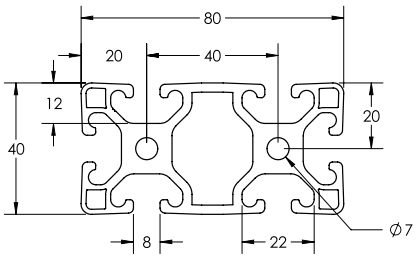
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

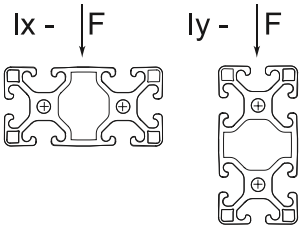
» For deflection equations see page 10

Metric Extrusions

TS40-80VLM

Clear Anodized - 650038





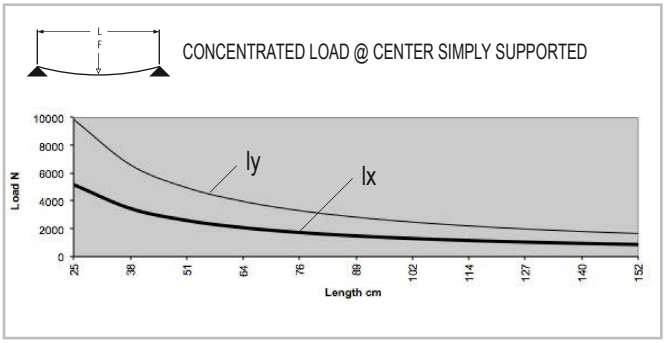
SPECIFICATIONS

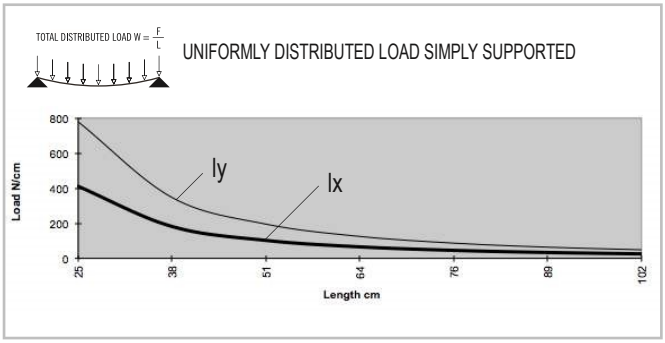
Length	240" (6 m)
Weight	2.082 lbs/ft (3.098 kg/m)
Estimated Area	1.661 in^2 (10.716 cm^2)
Moment of Inertia	Ix=.396 in^4 (16.48 cm^4)
	Iy=1.513 in^4 (62.98 cm^4)

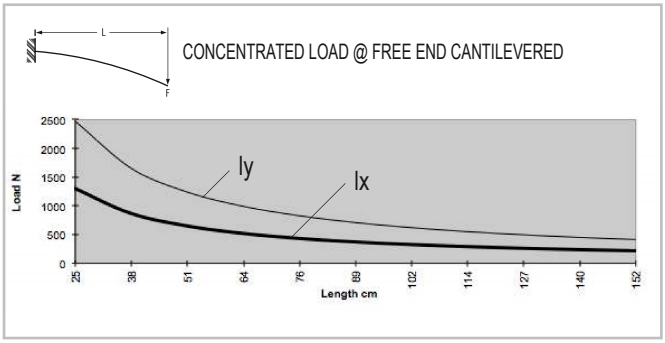
MACHINING SERVICES

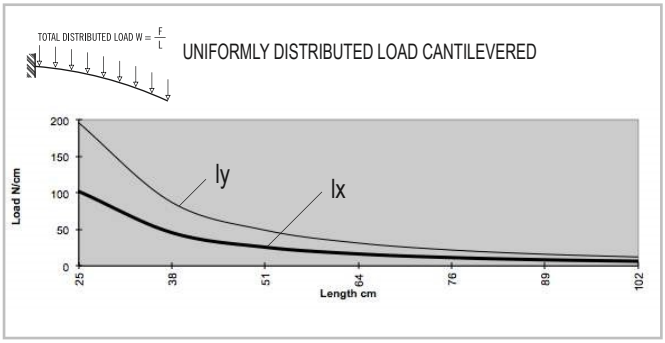
CTL	660006
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660024
Tap M8	660027

BEAM SELECTION BY LOAD AND LENGTH







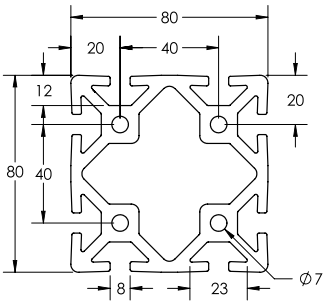


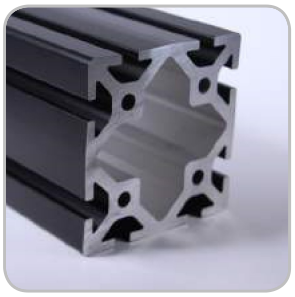
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

» For deflection equations see page 10

TS80-80M

Clear Anodized - 650039
Black Anodized - 650139





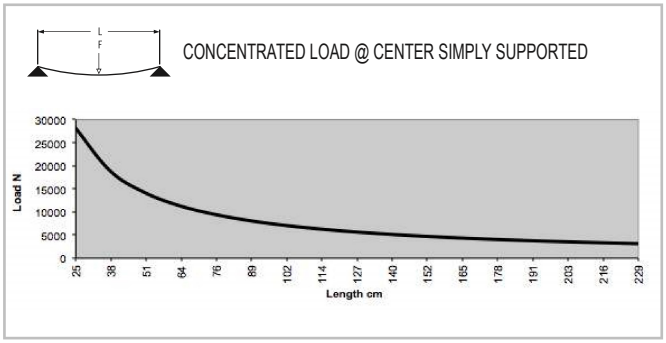
SPECIFICATIONS

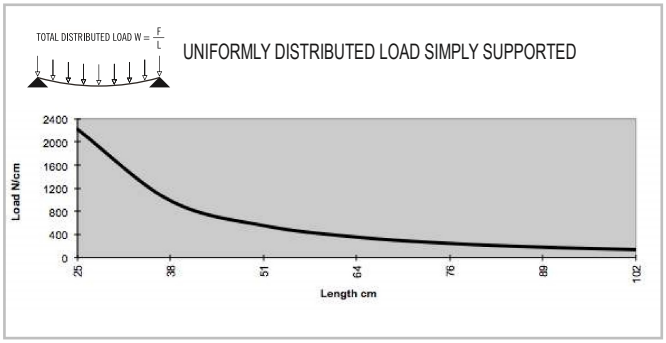
Length	240" (6 m)
Weight	4.488 lbs/ft (6.679 kg/m)
Estimated Area	4.006 in^2 (25.845 cm^2)
Moment of Inertia	Ix=4.289 in^4 (178.522 cm^4)
	Iy=4.289 in^4 (178.522 cm^4)

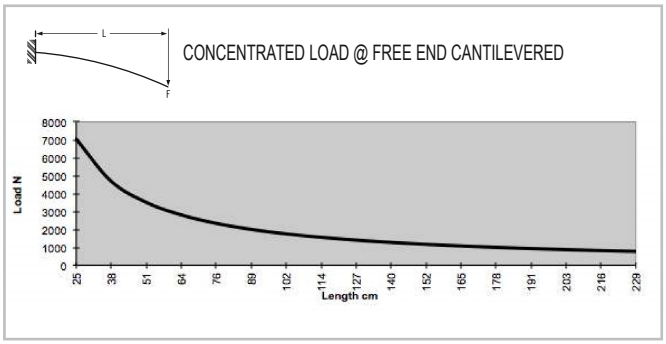
MACHINING SERVICES

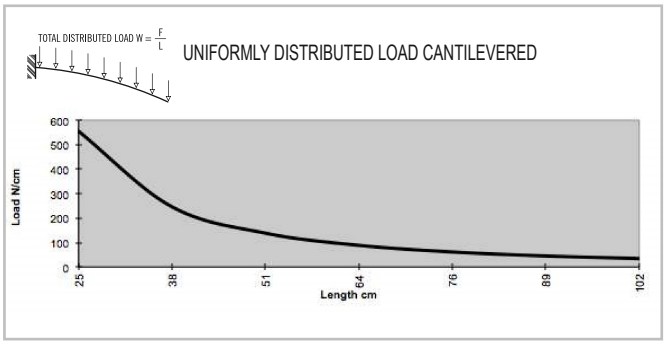
CTL	660013
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660031
Tap M8	660032

BEAM SELECTION BY LOAD AND LENGTH









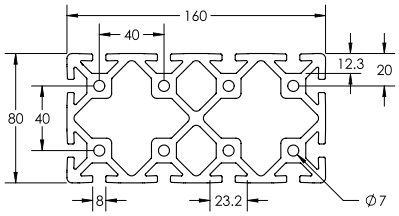
** Charts based on allowable loads related to yield strength with a margin of safety equal to five.*

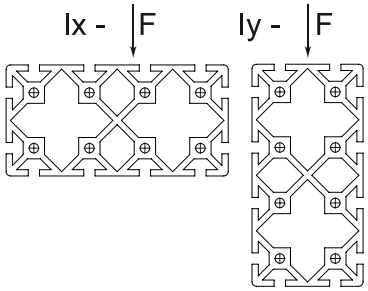
» For deflection equations see page 10

Metric Extrusions

TS80-160M

Clear Anodized - 650064





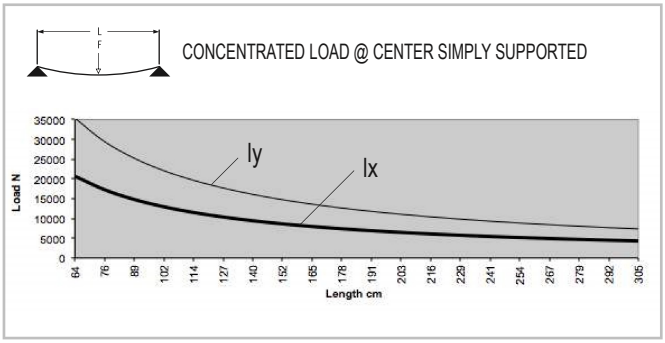
SPECIFICATIONS

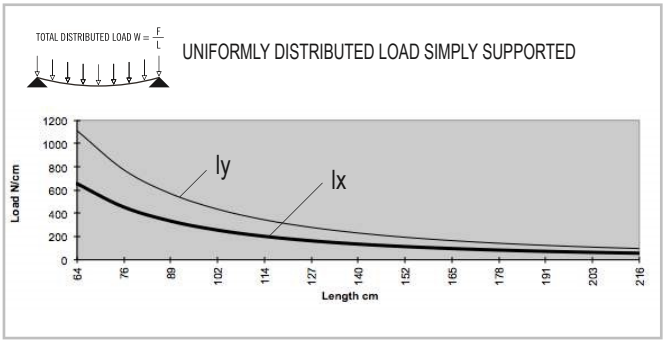
Length	240" (6 m)
Weight	8.384 lbs/ft (12.477 kg/m)
Estimated Area	6.987 in^2 (45.077 cm^2)
Moment of Inertia	Ix=7.901 in^4 (328.864 cm^4)
	Iy=26.973 in^4 (1112.701 cm^4)

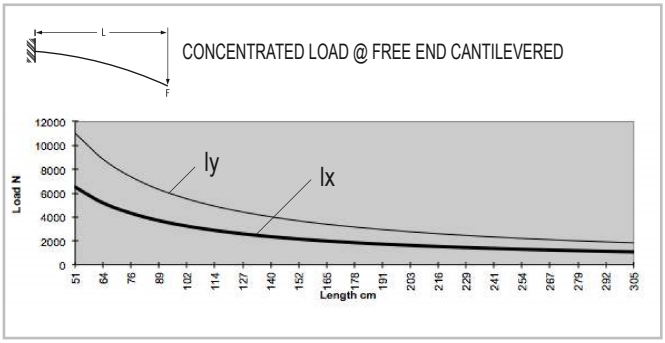
MACHINING SERVICES

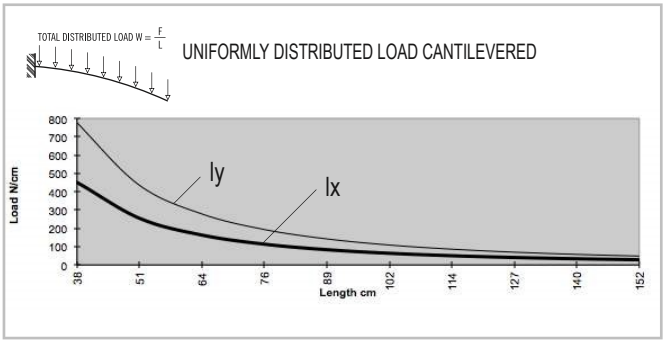
CTL	660008
Single Access Hole	660028
Single Anchor Fastener	660020
Tap 5/16 - 18	660012
Tap M8	660014

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