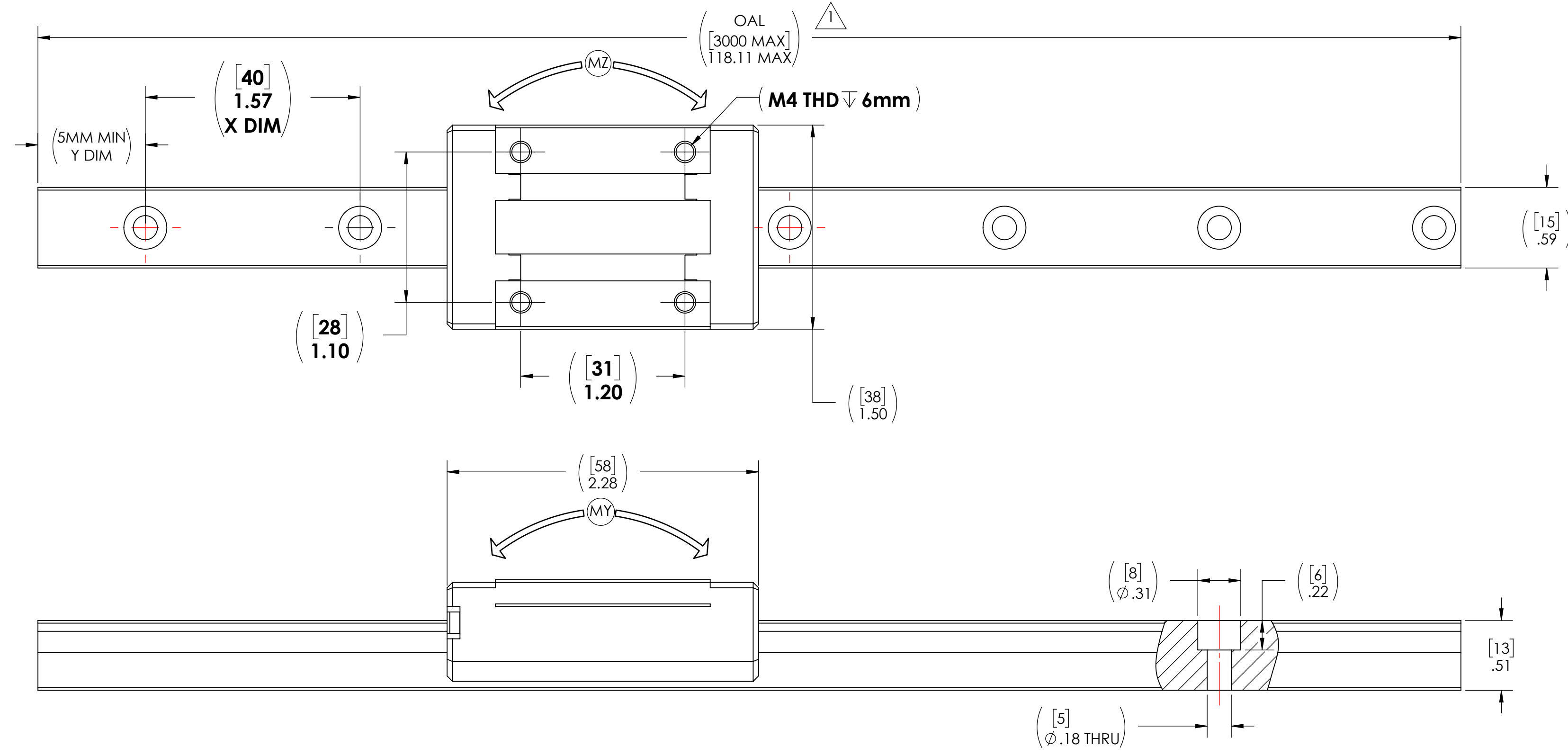


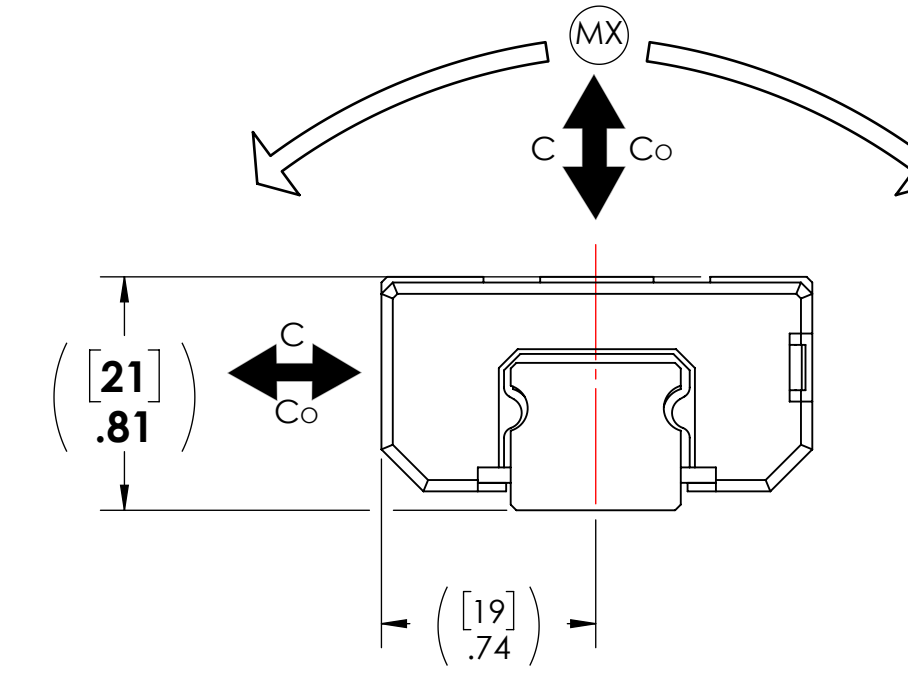
**ACCUMINI 15mm ASSEMBLY**



MOMENT RATINGS					
STATIC MOMENT (Nm <sup>2</sup> )			DYNAMIC MOMENT (Nm <sup>2</sup> )		
MX	MY	MZ	MX	MY	MZ
96	66	66	64	44	44

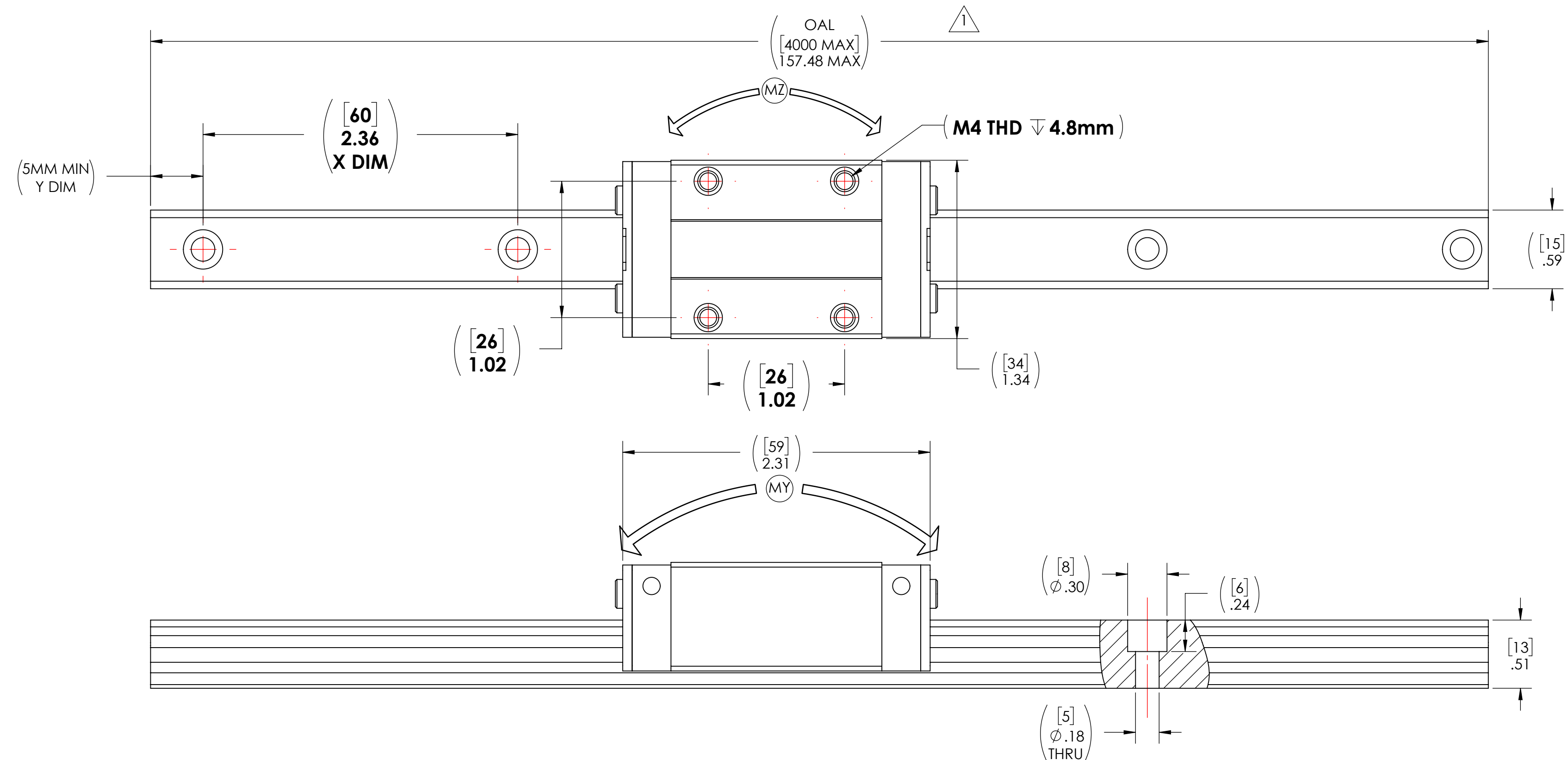
NOTES:

- MAXIMUM LENGTH FOR 1 PIECE RAIL CONSTRUCTION. BUTT JOINTING IS POSSIBLE FOR LONGER LENGTHS IF REQUIRED.
- CARRIAGE MATERIALS: POLYMER RETAINER, STAINLESS STEEL BALLS.
- CARRIAGES AND RAILS CANNOT BE INTERCHANGED BETWEEN PRODUCT FAMILIES.
- (2) ACCURACY CLASSES TO CHOOSE FROM (HIGH GRADE AND PRECISION GRADE).
- OPERATING PARAMETERS:
  - MAX VELOCITY = 3 m/s
  - MAX ACCELERATION = 50 m/s<sup>2</sup>
  - MAX TEMPERATURE = 80 °C
- DYNAMIC LOAD RATING = 8032 N (BASED ON 50km LIFE).**
- STATIC LOAD CAPACITY = 15200 N.
- SEE CATALOG OR WEBSITE FOR MORE DETAILS.
- DYNAMIC LOAD AND MOMENT RATINGS:
  - C = DYNAMIC LOAD
  - C<sub>0</sub> = STATIC LOAD
  - MX = YAW MOMENT
  - MY = PITCH MOMENT
  - MZ = ROLL MOMENT



ACCUMINI PART NUMBERS	
ASSEMBLY	xAD15AAxxLxxxx Y=xx
CARRIAGE	CD15AAxx
RAIL	RD15xLxxxx Y=xx

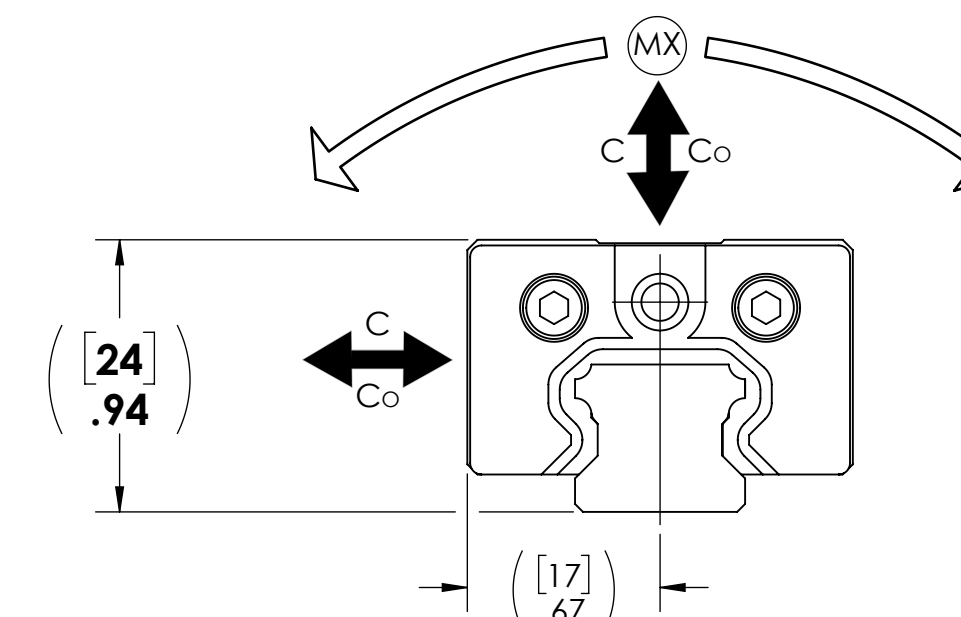
**400 SERIES 15mm ASSEMBLY**



MOMENT RATINGS					
STATIC MOMENT (Nm <sup>2</sup> )			DYNAMIC MOMENT (Nm <sup>2</sup> )		
MX	MY	MZ	MX	MY	MZ
135	118	118	65	56	56

NOTES:

- MAXIMUM LENGTH FOR 1 PIECE RAIL CONSTRUCTION. BUTT JOINTING IS POSSIBLE FOR LONGER LENGTHS IF REQUIRED.
- CARRIAGE POLYMER RETURN SYSTEM, CARBON STEEL BALLS. AVAILABLE IN (2) INTERNAL CONFIGURATIONS WHICH FIT THE SAME RAIL MATERIAL (421).
  - STANDARD BALL (411)
  - BALL CARRIAGE (413)
- CARRIAGES AND RAILS CANNOT BE INTERCHANGED BETWEEN PRODUCT FAMILIES.
- SEVERAL ACCESSORIES AND MODIFICATIONS TO CARRIAGE AND RAIL ARE AVAILABLE.
- (2) ACCURACY CLASSES TO CHOOSE FROM (HIGH GRADE OR NORMAL GRADE).
- OPERATING PARAMETERS:
  - MAX VELOCITY = 5 m/s
  - MAX ACCELERATION = 50 m/s<sup>2</sup>
  - TEMPERATURES:
    - MAX 80 °C
    - MIN -40 °C
- DYNAMIC LOAD RATING = 9,300 N (BASED ON 50km LIFE).**
- STATIC LOAD RATING = 19600 N.
- SEE CATALOG OR WEBSITE FOR MORE DETAILS.
- DYNAMIC AND STATIC MOMENT LOAD RATINGS:
  - C = DYNAMIC LOAD
  - C<sub>0</sub> = STATIC LOAD
  - MX = YAW MOMENT
  - MY = PITCH MOMENT
  - MZ = ROLL MOMENT



400 SERIES PART NUMBERS	
ASSEMBLY	441x15Cx-xA+xxxx Y=xx
CARRIAGE	411x15Cx
RAIL	421x15A+xxxx Y=xx

ECN	REV.	DESCRIPTION	BY	DATE
REVISIONS				

CUSTOMER NO.	
FINISH	UNLESS OTHERWISE SPECIFIED: MACHINE SURFACES: 125- $\mu$ DEBURR HOLES AND SHARP EDGES: 0.050/0.1015 DO NOT SCALE DRAWINGS SYMBOLS PER ANSI Y14.5
HEAT TREAT	
MATERIAL	

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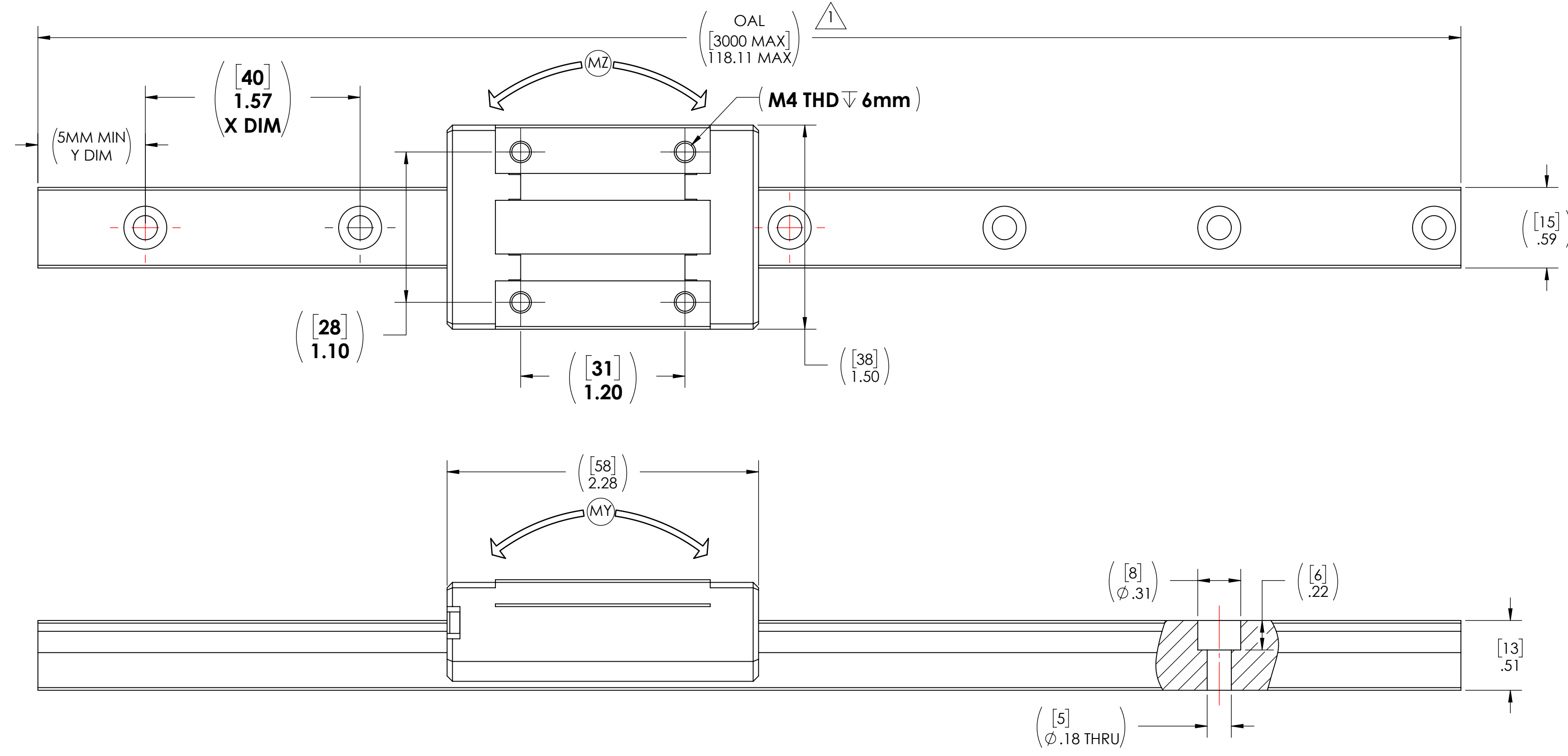
UNLESS OTHERWISE SPECIFIED: MACHINE SURFACES: 125- $\mu$  DEBURR HOLES AND SHARP EDGES: 0.050/0.1015 DO NOT SCALE DRAWINGS SYMBOLS PER ANSI Y14.5

THIRD ANGLE OF PROJECTION

REFERENCES:	400 SERIES CROSSOVER (RECOMMENDED)
PRODUCT RELEASE NO.	
DRAWN BY:	JDB
DATE:	8/3/2023
SCALE:	1.5:1
PAGE:	1 of 1
SIZE:	D

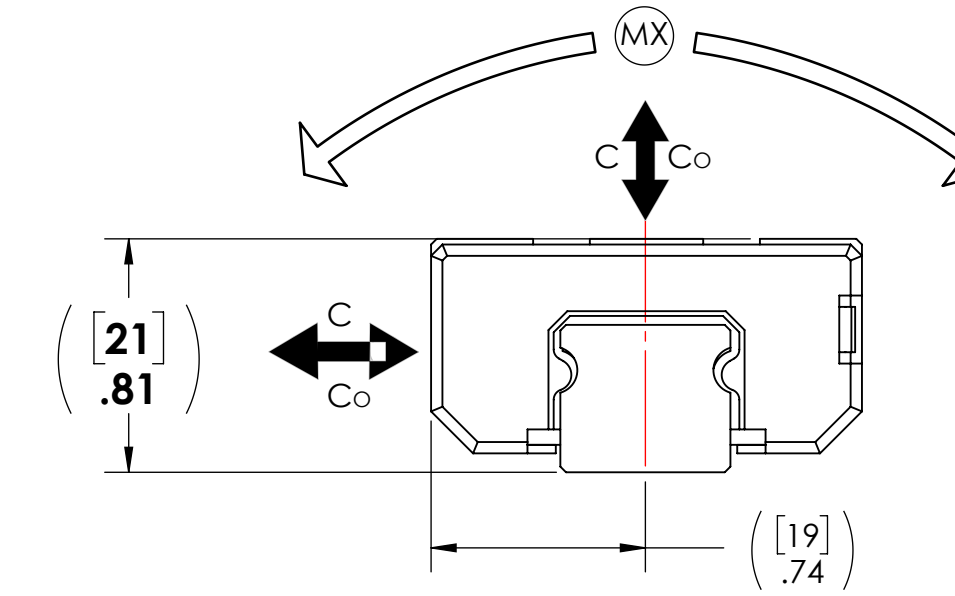
<b>THOMSON</b> 1300 N. STATE ST. MARENGO, IL 60152	
TITLE: COMPARISON DRAWING	
DRAWING NO. ACCUMINI SIZE 15 COMPARISON	REV -

**ACCUMINI 15mm ASSEMBLY**



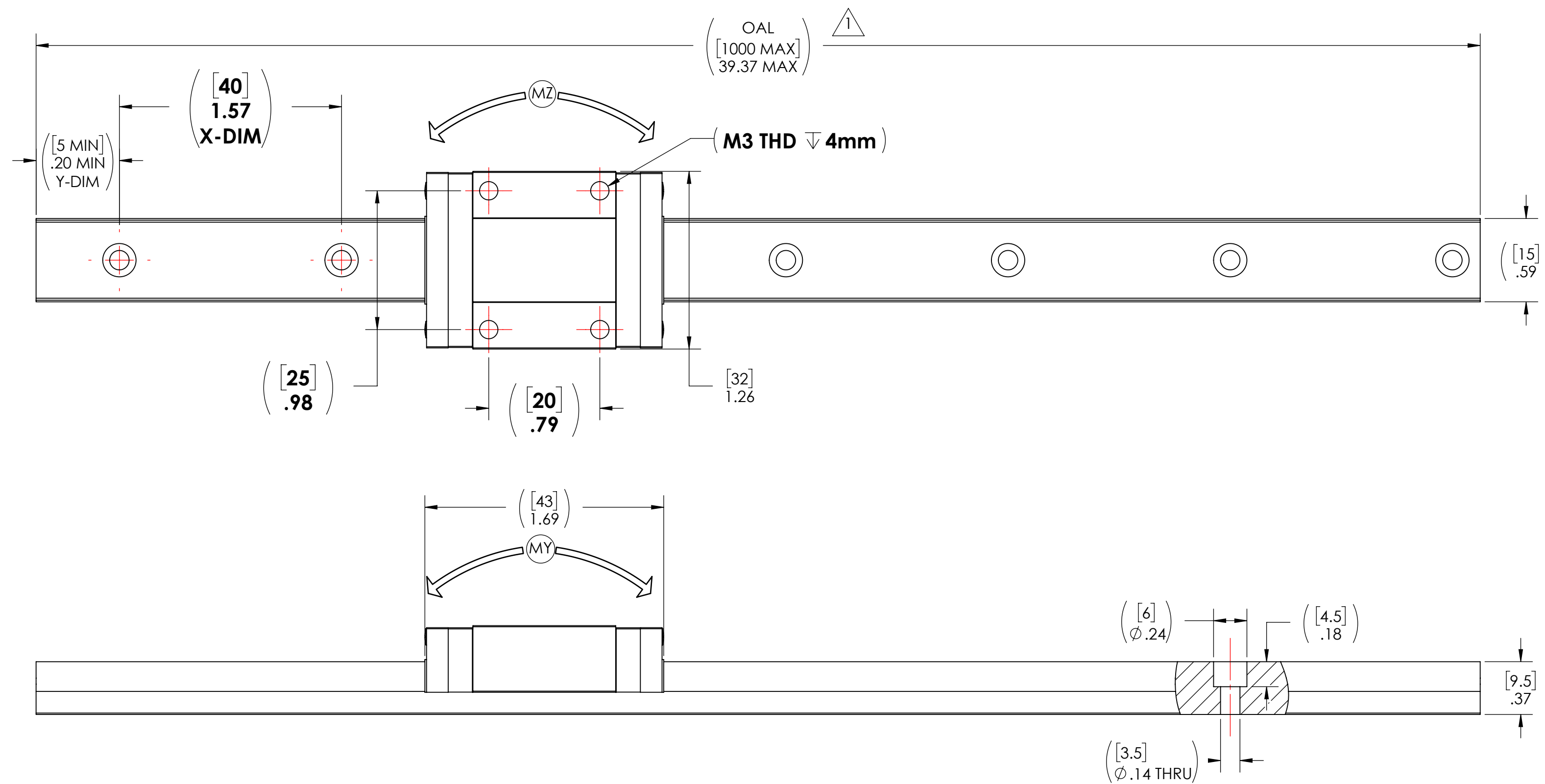
MOMENT RATINGS					
STATIC MOMENT (Nm <sup>2</sup> )			DYNAMIC MOMENT (Nm <sup>2</sup> )		
MX	MY	MZ	MX	MY	MZ
96	66	66	64	44	44

- NOTES:
- MAXIMUM LENGTH FOR 1 PIECE RAIL CONSTRUCTION, BUTT JOINTING IS POSSIBLE FOR LONGER LENGTHS IF REQUIRED.
  - CARRIAGE MATERIALS: POLYMER RETAINER, STAINLESS STEEL BALLS.
  - CARRIAGES AND RAILS CANNOT BE INTERCHANGED BETWEEN PRODUCT FAMILIES.
  - [2] ACCURACY CLASSES TO CHOOSE FROM (HIGH GRADE AND PRECISION GRADE).
  - OPERATING PARAMETERS:
    - MAX VELOCITY = 3 m/s
    - MAX ACCELERATION = 50 m/s<sup>2</sup>
    - MAX TEMPERATURE = 80 °C
  - DYNAMIC LOAD RATING = 8032 N (BASED ON 50km LIFE).**
  - STATIC LOAD CAPACITY = 15200 N.
  - SEE CATALOG OR WEBSITE FOR MORE DETAILS.
  - DYNAMIC AND STATIC LOAD AND MOMENT RATINGS:
    - C = DYNAMIC LOAD
    - C<sub>0</sub> = STATIC LOAD
    - MX = YAW MOMENT
    - MY = PITCH MOMENT
    - MZ = ROLL MOMENT



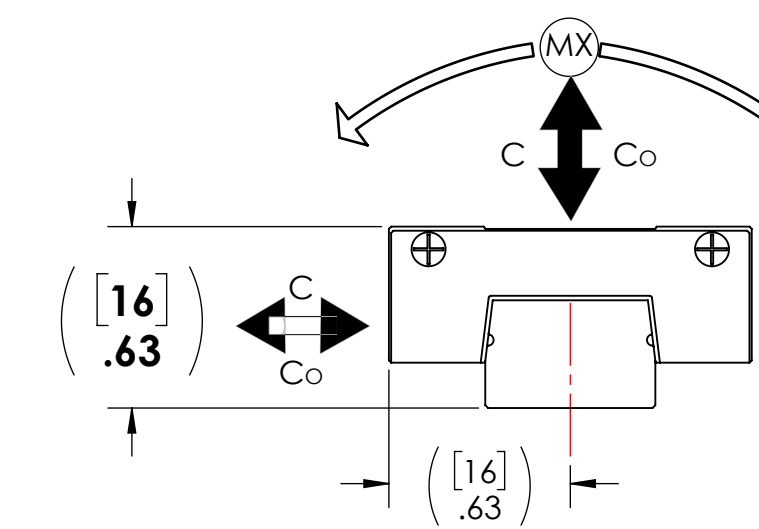
ACCUMINI PART NUMBERS	
ASSEMBLY	xAD15AAxxLxxxx Y=xx
CARRIAGE	CD15AAxx
RAIL	RD15xLxxxx Y=xx

**MICROGUIDE 15mm ASSEMBLY**



MOMENT RATINGS					
STATIC MOMENT (Nm <sup>2</sup> )			DYNAMIC MOMENT (Nm <sup>2</sup> )		
MX	MY	MZ	MX	MY	MZ
30.2	16.5	17.9	NOT RATED		

- NOTES:
- MAXIMUM LENGTH FOR 1 PIECE RAIL CONSTRUCTION, BUTT JOINTING IS POSSIBLE FOR LONGER LENGTHS IF REQUIRED.
  - CARRIAGES AND RAILS CANNOT BE INTERCHANGED BETWEEN PRODUCT FAMILIES.
  - [3] ACCURACY CLASSES TO CHOOSE FROM (NORMAL GRADE, HIGH GRADE, OR PRECISION GRADE).
  - OPERATING PARAMETERS:
    - MAX VELOCITY = 3 m/s
    - MAX ACCELERATION = 50 m/s<sup>2</sup>
  - DYNAMIC LOAD RATING = 4,410 N (BASED ON 50km LIFE).**
  - STATIC LOAD RATING = 6570 N.
  - SEE CATALOG OR WEBSITE FOR MORE DETAILS.
  - DYNAMIC AND STATIC LOAD AND MOMENT RATINGS:
    - C = DYNAMIC LOAD
    - C<sub>0</sub> = STATIC LOAD
    - MX = YAW MOMENT
    - MY = PITCH MOMENT
    - MZ = ROLL MOMENT



MICROGUIDE PART NUMBERS	
ASSEMBLY	xTSR15ZMUUxx+xxxx Y=xx
*PRODUCT SOLD AS ASSEMBLY ONLY	

ECN	REV.	DESCRIPTION	BY	DATE
REVISIONS				

CUSTOMER NO.	
FINISH	
HEAT TREAT	
MATERIAL	

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REFERENCES: MICROGUIDE CROSSOVER SAME X-DIMENSION

PRODUCT RELEASE NO.	DATE	SCALE	SHEET
JDB	8/3/2023	1.5:1	D
APPROVED BY	DATE	PAGE	
		1 of 1	

**THOMSON** 1300 N. STATE ST. MARENGO, IL 60152

TITLE	COMPARISON DRAWING
DRAWING NO.	ACCUMINI SIZE 15 COMPARISON
REV	-