

# 117-160 ALTO®

# MANSFIELD®

Round Front, SmartHeight, Vitreous China, Two-Piece Toilet

## FEATURES

- 3-bolt SmartFasten tank-to-bowl connection
- 1.6 gpf / 6.0 lpf low water consumption
- Round front SmartHeight bowl
- 2" flush tower
- Fluidmaster® anti-siphon pilot fill valve
- 12" rough-in
- Model 40 chrome-plated, plastic trip lever
- 2" glazed trapway
- The Mansfield® Limited Lifetime Warranty
- Available in White, Biscuit, and Bone



### MODEL 117-160

Toilet seat not included

Available as CTK



ROUND





SMARTHEIGHT ADA



CTK

## COMPONENTS

MODEL #	DESCRIPTION	CODES/STANDARDS
<b>117-160</b> (011710010-160010007)	Round front, SmartHeight two-piece toilet.	 C  ADA COMPLIANT
<b>117</b> (011710010)	Round front, SmartHeight toilet bowl only. Less toilet seat. Specify color.	
<b>160</b> (160010007)	Tank and cover only with left hand, front-mount, chrome-plated, plastic trip lever. Fluidmaster® anti-siphon pilot fill valve. Less supply. Specify color.	
TANK TRIM & REPLACEMENT PARTS		
<b>40</b>	Trip lever - chrome-plated, plastic trip lever, left hand	
<b>211-1112</b>	Flush tower	
<b>400A</b>	Fluidmaster® anti-siphon pilot fill valve	
<b>630-0030</b>	Replacement flush valve seal	
<b>160-LID</b>	Tank lid	



When properly installed, this product meets the requirements for the Americans with Disabilities Act of 1990 (ADA).  
Refer to local plumbing codes, as they may vary by location and application.

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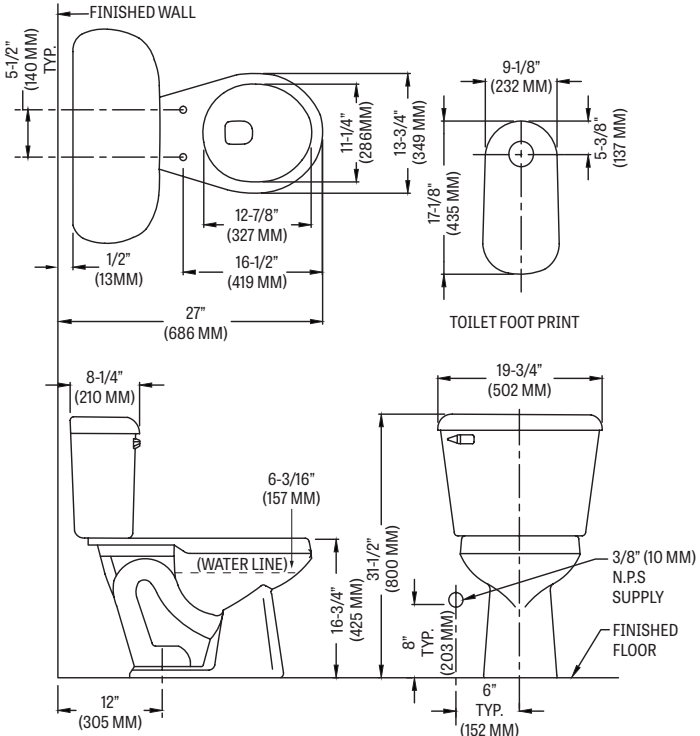
Round Front, SmartHeight, Vitreous China, Two-Piece Toilet

## SPECIFICATIONS

MODEL #	DESCRIPTION	CODES/STANDARDS
<b>117-160</b> (011710010-160010007)	Round front SmartHeight™ (1.6 gpf / 6.0 lpf) two-piece toilet	 

<b>MATERIAL</b>	Vitreous China
<b>WATER PRESSURE RANGE</b>	20 to 80 PSI
<b>FLUSH SYSTEM</b>	2" Flush Tower
<b>WATER USAGE</b>	1.6 gpf / 6.0 lpf
<b>WATER SURFACE AREA</b>	8" X 9"
<b>ROUGH-IN</b>	12"
<b>MaP RATING</b>	800 grams

<b>TRAP DIAMETER</b>	2"
<b>TRAP SEAL</b>	2-7/8"
<b>SHIPPING WEIGHT</b>	Model 117 - 49 lbs. (22.2 kg) Model 160 - 34 lbs. (15.4 kg)
<b>WARRANTY</b>	Vitreous China - Limited Lifetime Tank Trim - Limited One Year

TANK OPTIONS	TECHNICAL INFORMATION																								
	<b>Note:</b> these dimensions are nominal and subject to change without notice.																								
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Fixture performance and specifications meet or exceed ASME A112.19.2/CSA B45.1 standards, and other state and local codes.