



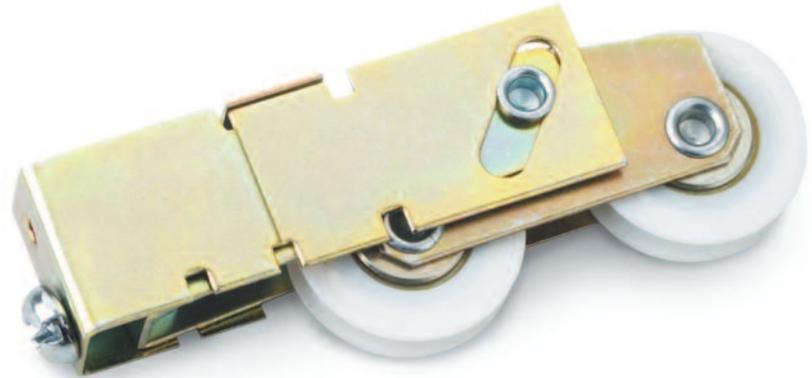
Truth Hardware's End Adjust Tandem Patio Door Rollers offer a unique advantage in that we manufacture our own ball bearings. This allows Truth complete control over all aspects of design and production of our roller assemblies. While others may use soft stamped metal parts in the production of their wheels, Truth's bearing raceways are machined from solid steel bar stock and then heat treated for wear resistance and plated for corrosion resistance. This method provides the longest lasting, true running rollers capable of carrying the heaviest loads.

- You can dependably support up to a 350 lb. door with two roller assemblies per door (nylon wheels rated up to a 150 lb. door). See Product Comparison Chart.
- Truth Hardware Rollers are equipped with full race, permanently lubricated radial ball bearings that are labyrinth-shielded to resist contamination by dust and moisture and will provide trouble-free service.
- The wheels are offered in various diameters and with a choice of steel, stainless steel, or nylon rolling surfaces.
- Truth's standard groove radius is .125 (+/- .010/.000).
- We offer models to meet most application needs:
 - Slide flares or dimples to stabilize the roller housing within the bottom stile.
 - Notched housing to allow for corner welding on vinyl doors
 - U-tab mounting for quick, efficient door assembly.

Please refer to individual charts for dimensional details and adjustment ranges.

INDUSTRY TESTED

Steel roller components are zinc plated to ASTM-B-633 Type 2 specifications. All roller assemblies are designed to meet AAMA 906.3-96 and CAWM standards for corrosion resistance, load and life cycle specs. See Product Comparison Chart.



WARRANTY: Protected under the terms of the "Truth Warranty for Window & Door Manufacturers & Authorized Distributors". Refer to Truth's Terms & Conditions for further details.

MATERIAL: Heavy duty case and carrier is cold-rolled steel or stainless steel. Ball bearing wheels in steel, stainless steel or steel with nylon tires.

FINISH: All steel parts are zinc plated for corrosion resistance.

MOUNTING: Mounts in recess in bottom of door rail. Recess dimension and hole spacing conform to general industry practice. Consult drawings for detailed mounting information. Contact Truth for special information if your application does not provide side and top support for the roller assembly.

ORDERING INFORMATION & OPTIONS:

1. Choose style of rollers desired. See drawings for roller options offered.

Note: If your application requires a modification to one of our standard rollers, or a complete new design, our staff and facilities are equipped to promptly handle your needs. Please contact Truth Hardware for assistance.

- To establish the initial specification for a roller application we need the following information:
- Wheel diameter: 1", 1-1/8", 1-1/4", 1-1/2".
- Housing: Steel or stainless steel.
- Radius of the track crown.

- Internal width and internal height of the bottom rail.
- Maximum load to which rollers will be subjected.

Note: Truth can provide various wheel types (steel, stainless steel, nylon) to suit your application and/or environmental conditions. Please contact us so we can help you select the style that will meet your needs.

RECOMMENDED SCREWS:

Types of screws required determined by material of profile used.

TRUTH TIPS:

1. When a sliding patio door system has an aluminum track, a patio door roller with a nylon wheel must be used. If a steel wheel is used, gauling will occur, resulting in short track life.
2. It is important to match mounting screw material to the material being fastened. Consult Truth Tech Notes for more information.
3. Truth recommends that a power screwdriver is NOT used to adjust rollers, as it is possible to apply too much torque and damage the adjustment mechanism.

INCLUDE TRUTH SPECS ON YOUR NEXT PATIO DOOR PROJECT

Ball bearing roller assemblies must be provided which allow easy height adjustment and installation. Sliding door rollers shall be Tandem Patio Door Rollers as manufactured by Truth Hardware.

END ADJUST TANDEM ROLLERS

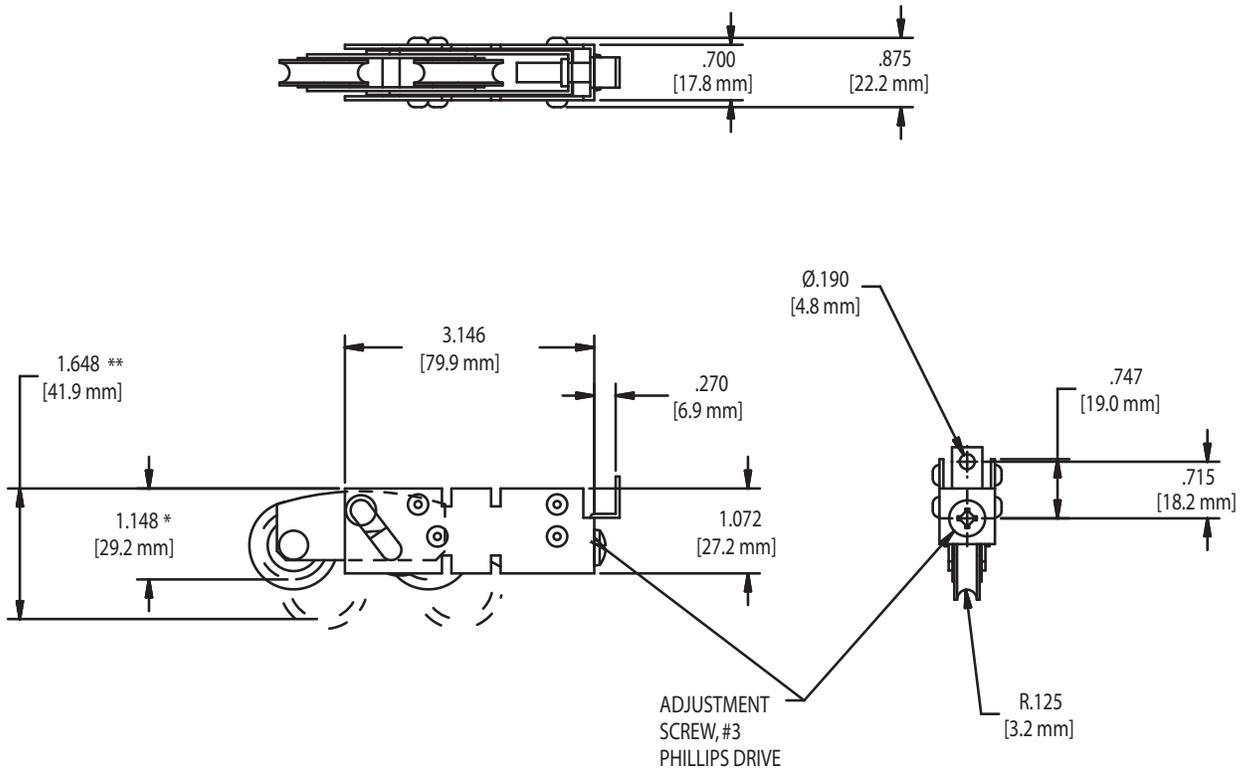
Product Comparison Chart

Roller Assembly No.	Roller Dia.	AAMA Certified**	Max. Door Wt.*	See Figure Number
1935-3687-2	1.12 (28.6 mm)	No	220 (100 Kg.)	2
1935-3687-6D	1.12 (28.6 mm)	No	220 (100 Kg.)	1
1935-6687-2D	1.50 (38.1 mm)	No	280 (127 Kg.)	1
1935-4B181-2	1.25 (31.8 mm)	No	260 (118 Kg.)	3
1935B-2H74-2TC	1.00 (25.4 mm)	No	140 (64 Kg.)	5
1935B-4074-2HC	1.25 (31.8 mm)	No	260 (118 Kg.)	4
1935B-4076-2HC	1.25 (31.8 mm)	No	260 (118 Kg.)	4
1935B-4076-6HC	1.25 (31.8 mm)	No	260 (118 Kg.)	4
1939-6011	1.50 (38.1 mm)	No	280 (127 Kg.)	6
1939-6011-SS	1.50 (38.1 mm)	No	280 (127 Kg.)	6
1951-3968-2	1.12 (28.6 mm)	No	220 (100 Kg.)	8
1951-4000-1-C	1.25 (31.8 mm)	No	260 (118 Kg.)	10
1951-4000-2	1.25 (31.8 mm)	No	260 (118 Kg.)	9
1951-4000-2A	1.25 (31.8 mm)	No	260 (118 Kg.)	7
1951-4000-2-SS	1.25 (31.8 mm)	No	260 (118 Kg.)	9
1951-4810-T	1.25 (31.8 mm)	No	260 (118 Kg.)	11
1951-4968-2	1.25 (31.8 mm)	Yes	350 (159 Kg.)	8
1951-4968-2-SS	1.25 (31.8 mm)	Yes	350 (159 Kg.)	8
1951-6000-2A	1.50 (38.1 mm)	No	280 (127 Kg.)	7
1951-9000-2A-SS	1.50 (38.1 mm)	No	280 (127 Kg.)	7
1959-1112	1.12 (28.6 mm)	No	220 (100 Kg.)	12
1959-1112-SS	1.12 (28.6 mm)	No	220 (100 Kg.)	12
1963-2000-2	1.00 (25.4 mm)	No	140 (64 Kg.)	13
1977-4000	1.25 (31.8 mm)	No	260 (118 Kg.)	14
1978-4000-2	1.25 (31.8 mm)	Yes	250 (114 Kg.)	16
1978-4000-SS	1.25 (31.8 mm)	Yes	250 (114 Kg.)	16
38.15.00.001	1.25 (31.8 mm)	No	260 (118 Kg.)	15
ND451	1.25 (31.8 mm)	Yes	150 (68 Kg.)	17
ND460	1.25 (31.8 mm)	No	260 (118 Kg.)	18
ND462	1.25 (31.8 mm)	No	260 (118 Kg.)	20
ND740	1.25 (31.8 mm)	No	260 (118 Kg.)	21
SD452	1.25 (31.8 mm)	No	260 (118 Kg.)	17
SD460	1.25 (31.8 mm)	No	260 (118 Kg.)	18
SD461	1.25 (31.8 mm)	No	260 (118 Kg.)	19
SD462	1.25 (31.8 mm)	No	260 (118 Kg.)	20
SD740	1.25 (31.8 mm)	No	260 (118 Kg.)	21
SD747	1.00 (25.4 mm)	Yes	150 (68 Kg.)	21
SD850	1.50 (38.1 mm)	No	280 (127 Kg.)	22
SD854	1.50 (38.1 mm)	No	280 (127 Kg.)	23

* Two roller assemblies per door

** Our AAMA certifications are being updated constantly. Please consult AAMA's Verified Components List for an up to date listing of certified patio door roller products.

FIG. 1 1935 SERIES TANDEM ROLLER



PART NO.	MATERIAL
1935-3687-6D	STAINLESS STEEL
1935-3687-2	STEEL

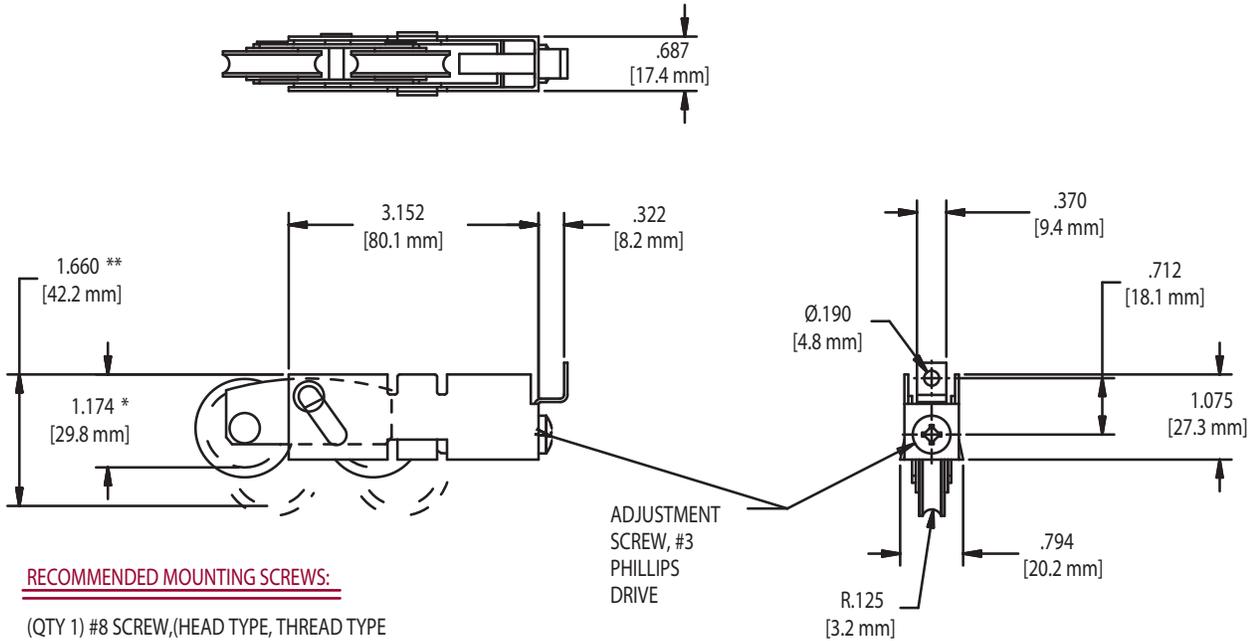
*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

RECOMMENDED MOUNTING SCREWS:

(QTY 1) #8 SCREWS,(HEAD TYPE, THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 2 1935-3687-2 TANDEM ROLLER

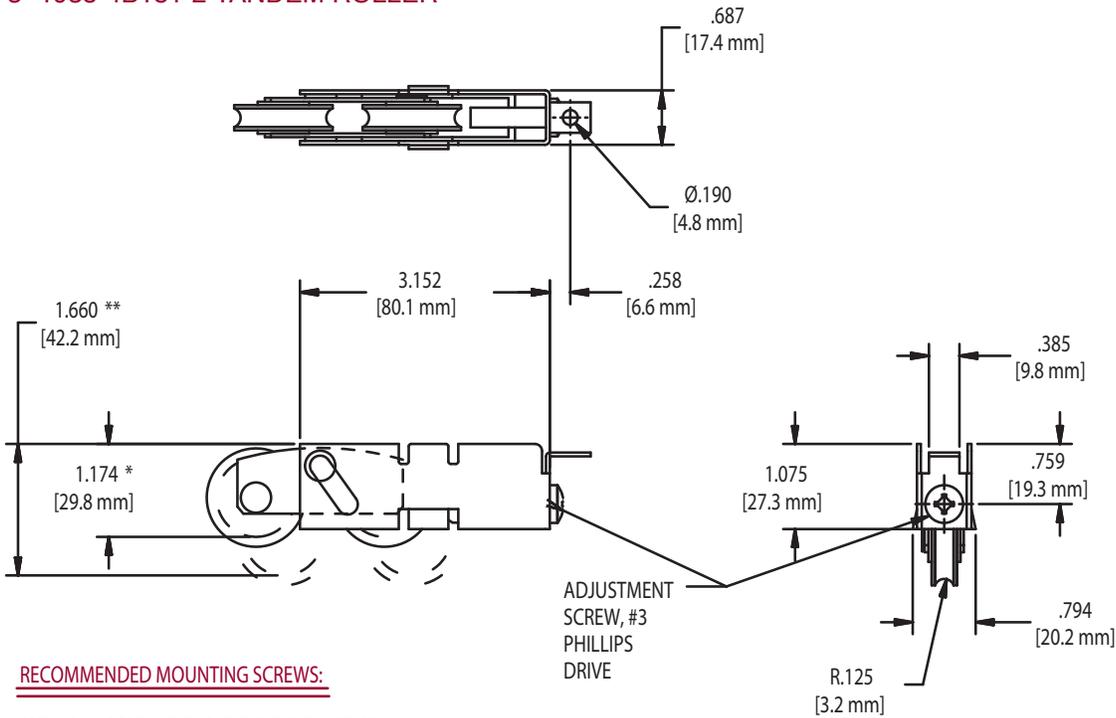


RECOMMENDED MOUNTING SCREWS:

(QTY 1) #8 SCREW,(HEAD TYPE, THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

FIG. 3 1935-4B181-2 TANDEM ROLLER

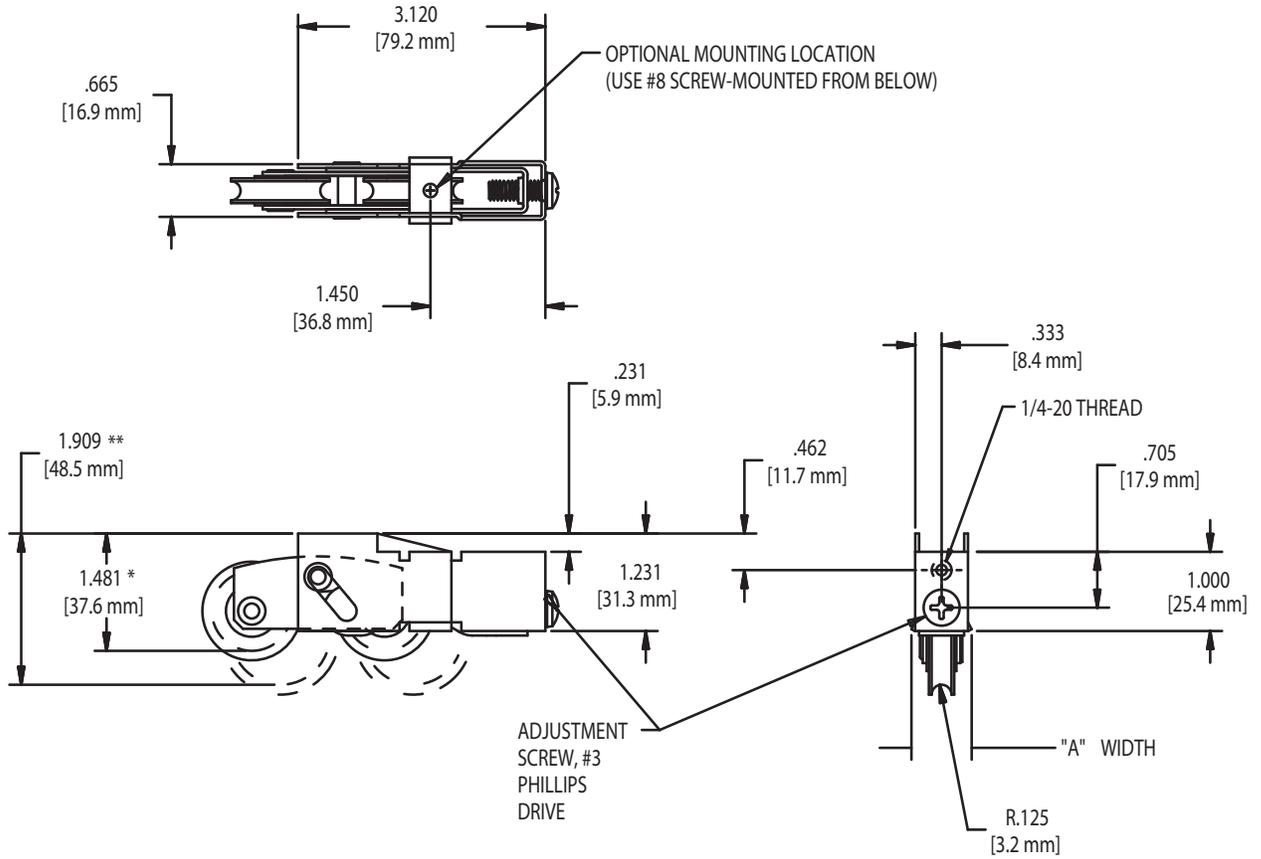


RECOMMENDED MOUNTING SCREWS:

(QTY 1) #8 SCREW,(HEAD TYPE, THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

FIG. 4 1935 SERIES TANDEM HIGH TOP ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	MATERIAL	"A" WIDTH
1935B-4076-2HC	STEEL	.760
1935B-4076-6HC	STAINLESS STEEL	.760
1935B-4074-2HC	STEEL	.740

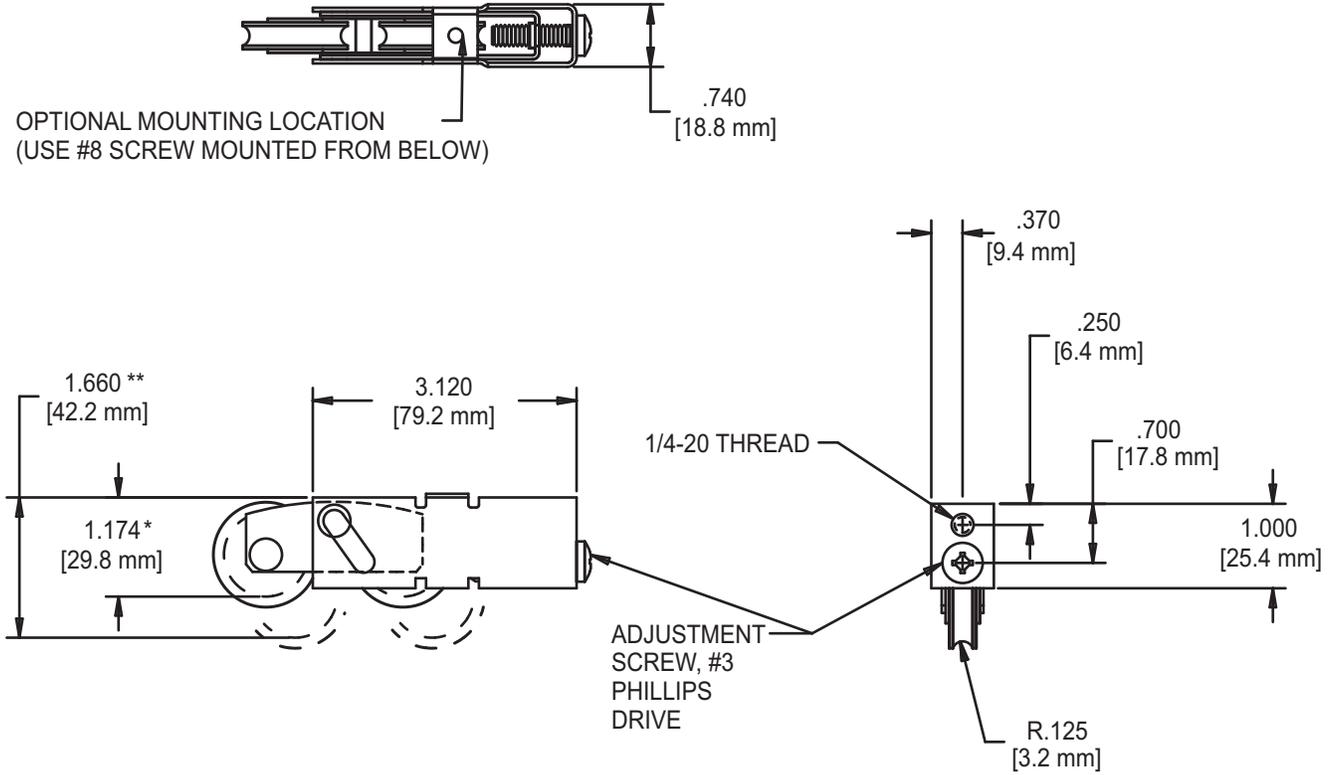
RECOMMENDED MOUNTING SCREWS:

(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)
 OR

(QTY 1) #8 PHILLIPS PAN HEAD SCREW,(THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 5 1935B-2H74-2TC H TAB TANDEM ROLLERS



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

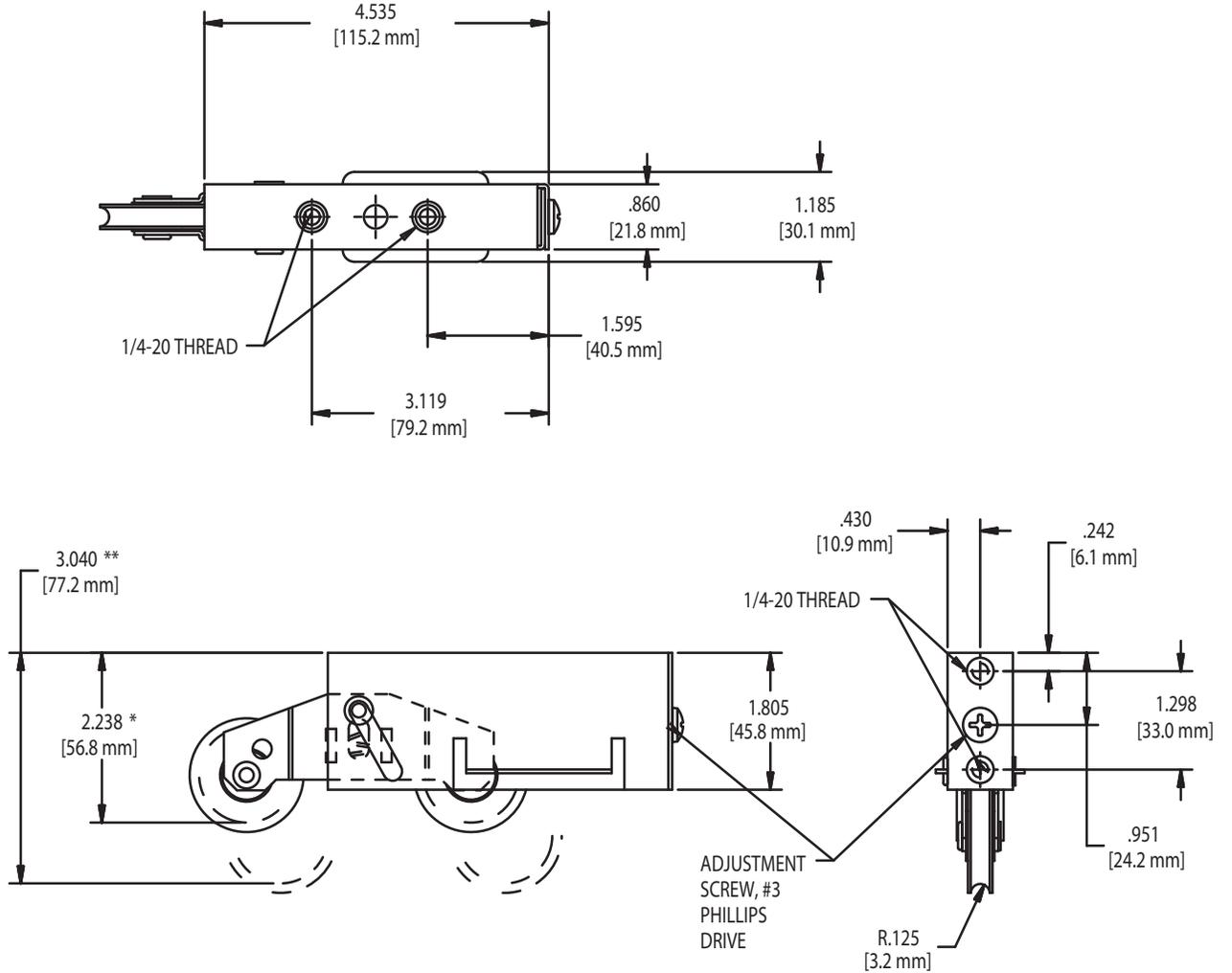
RECOMMENDED MOUNTING SCREWS:

(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH
TO BE DETERMINED BY APPLICATION)

OR

(QTY 1) #8 PHILLIPS PAN HEAD SCREW,(THREAD TYPE AND
LENGTH TO BE DETERMINED BY APPLICATION)

FIG. 6 1939 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

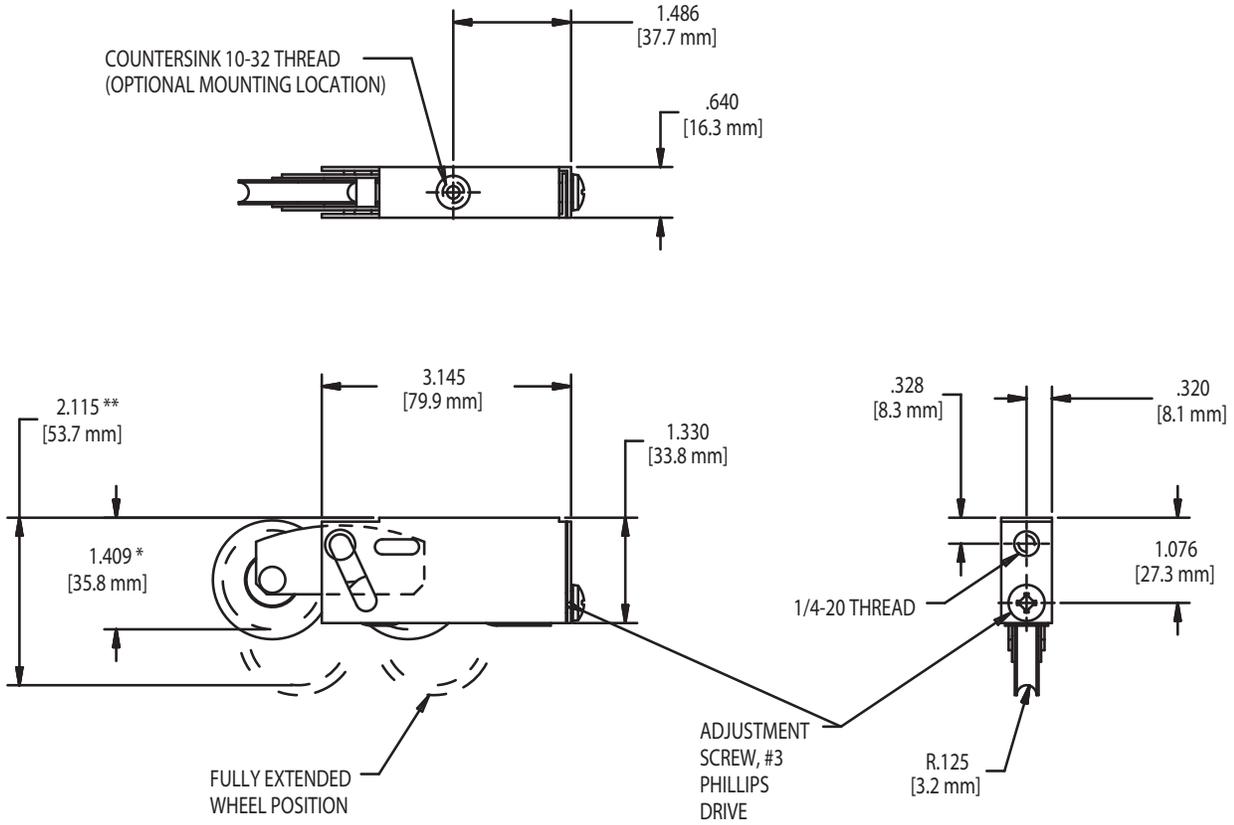
PART NO.	MATERIAL
1939-6011	STEEL
1939-6011-SS	STAINLESS STEEL

RECOMMENDED MOUNTING SCREWS:

(QTY 2) 1/4-20 MACHINE SCREWS,(HEAD TYPE
 AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 7 1951 SERIES TANDEM ROLLER



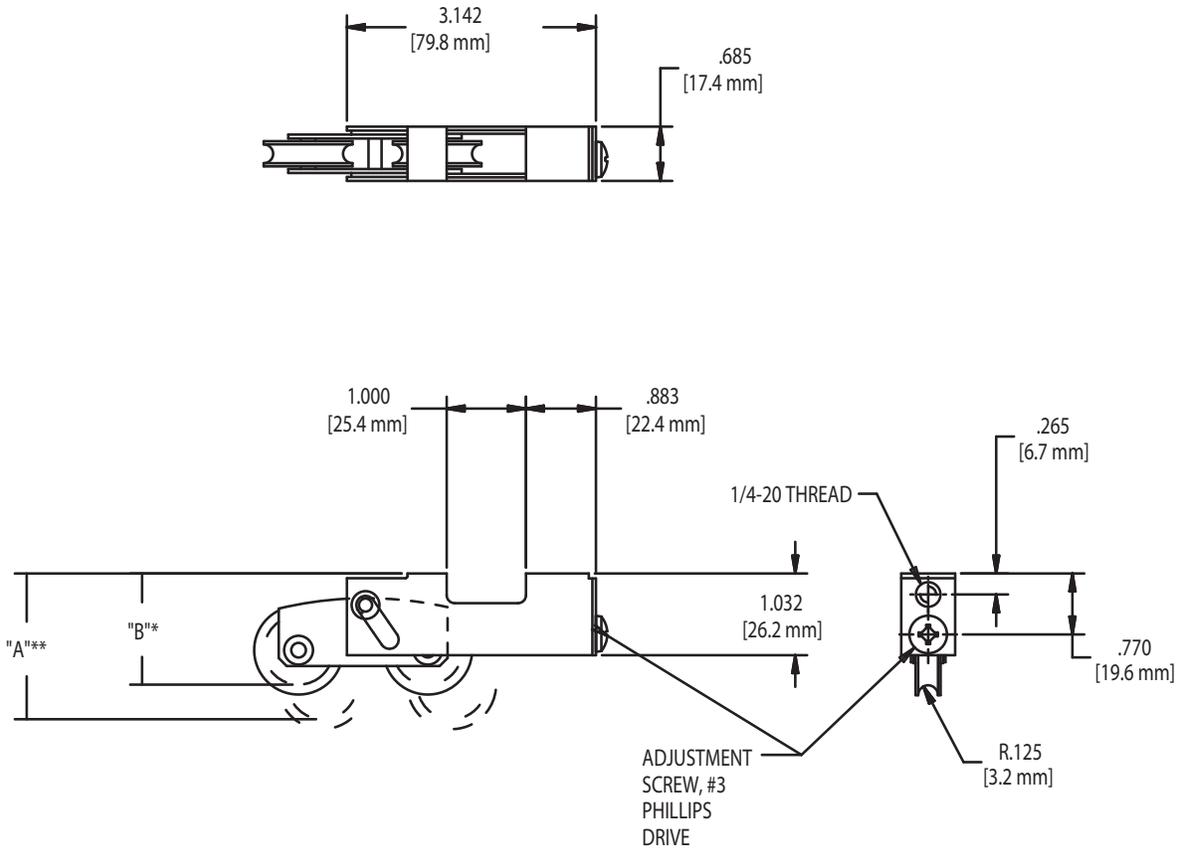
*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	MATERIAL
1951-6000-2A	STEEL
1951-9000-2A-SS	STAINLESS STEEL
1951-4000-2A	STEEL

RECOMMENDED MOUNTING SCREWS:

- (QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)
OR
- (QTY 1) 10-32 SHEET METAL SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

FIG. 8 1951 SERIES TANDEM ROLLER (U CHANNEL)



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

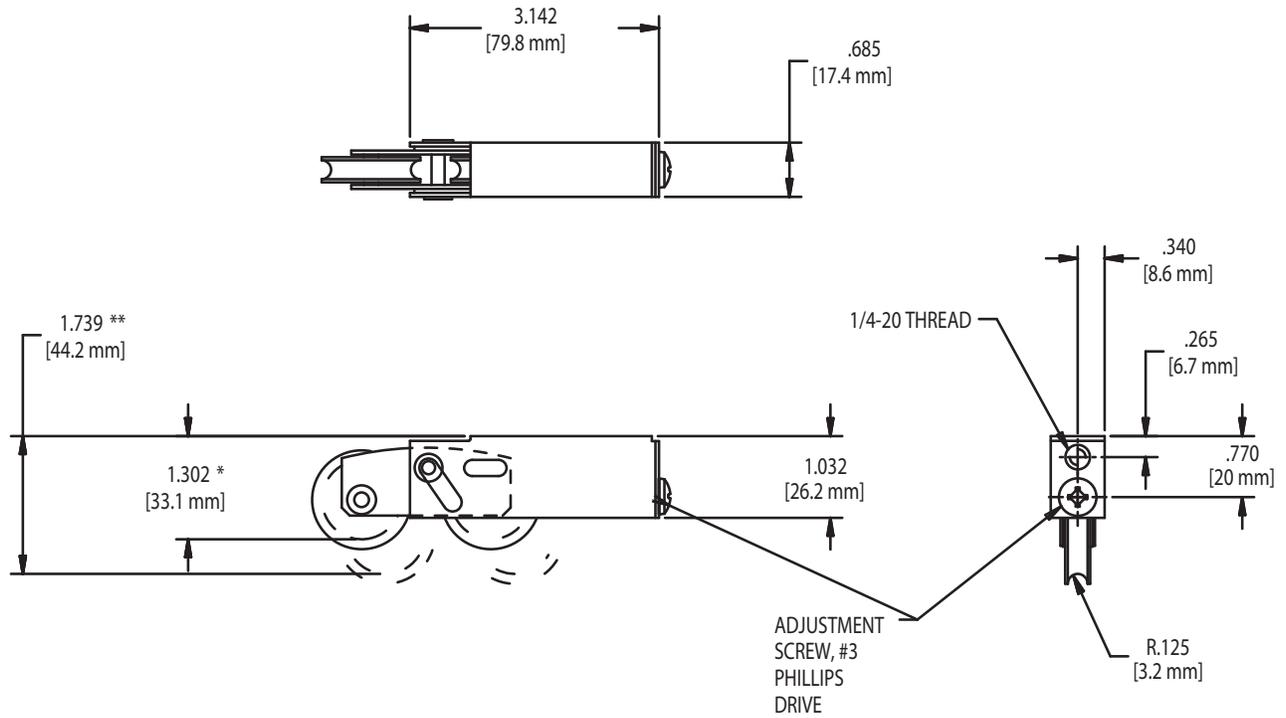
PART NO.	MATERIAL	WHEEL DIA.	"A"*** FULLY EXTENDED	"B"*** FULLY RETRACTED
1951-4968-2	STEEL	1.250	1.965	1.528
1951-4968-2-SS	STAINLESS STEEL	1.250	1.965	1.528
1951-3968-2	STEEL	1.125	1.965	1.528

RECOMMENDED MOUNTING SCREWS:

(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE
 AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 9 1951 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

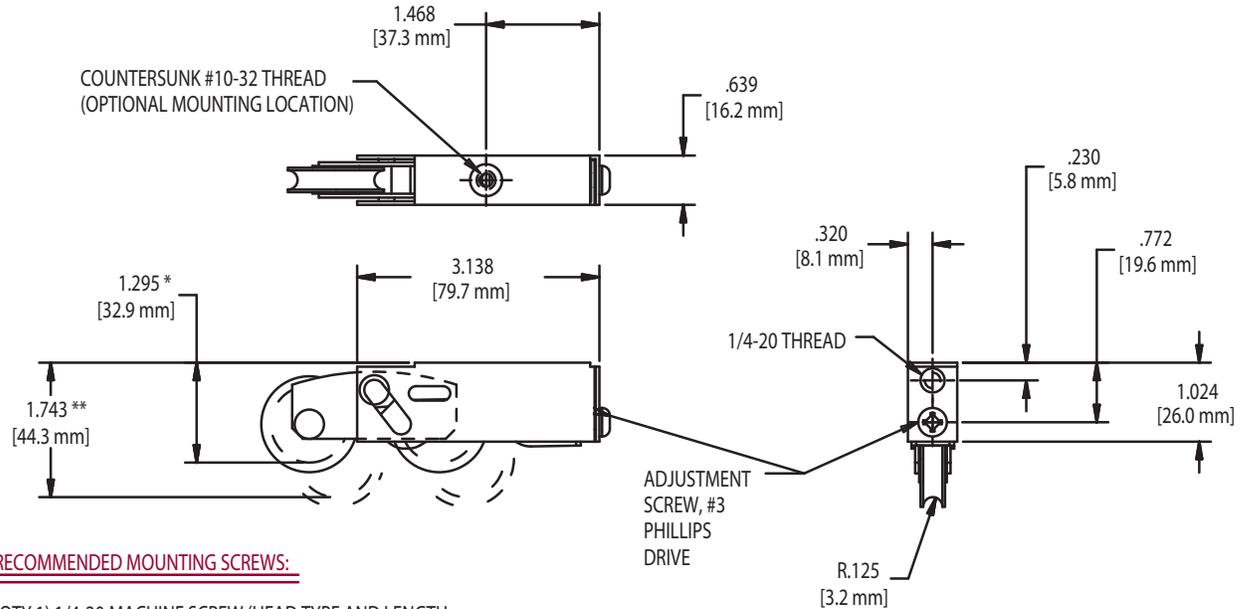
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	MATERIAL
1951-4000-2	STEEL
1951-4000-2-SS	STAINLESS STEEL

RECOMMENDED MOUNTING SCREWS:

(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

FIG. 10 1951-4000-1-C TANDEM ROLLER

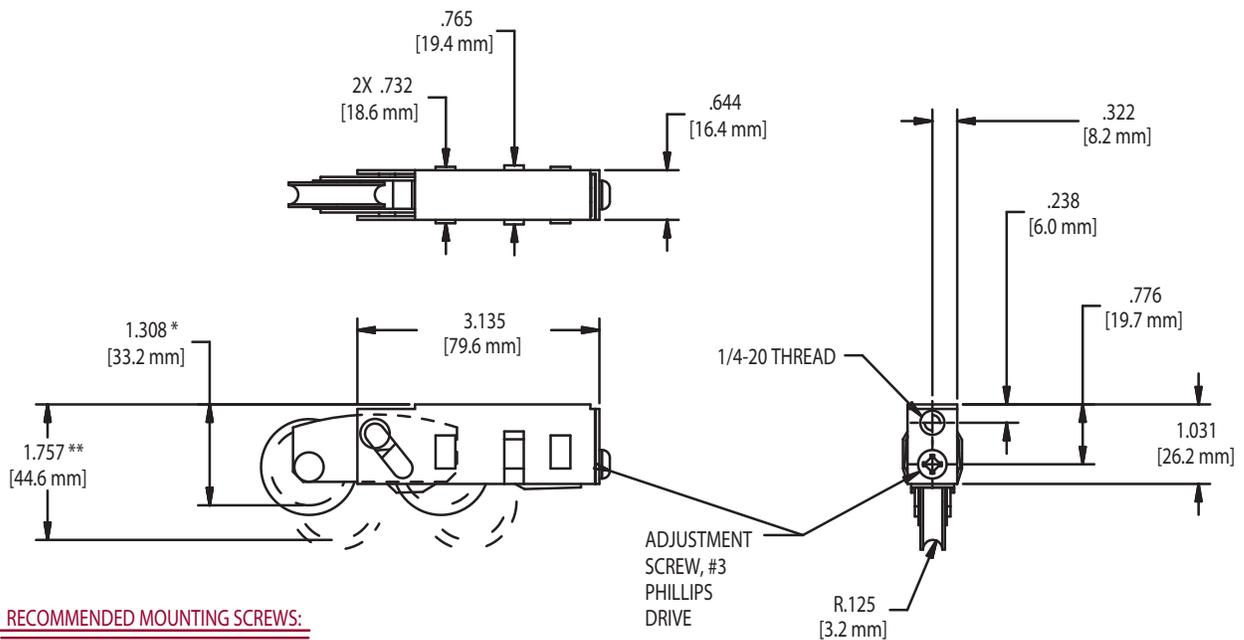


RECOMMENDED MOUNTING SCREWS:

- (QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)
- OR
- (QTY 1) 10-32 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

FIG. 11 1951-4810-T TANDEM ROLLER



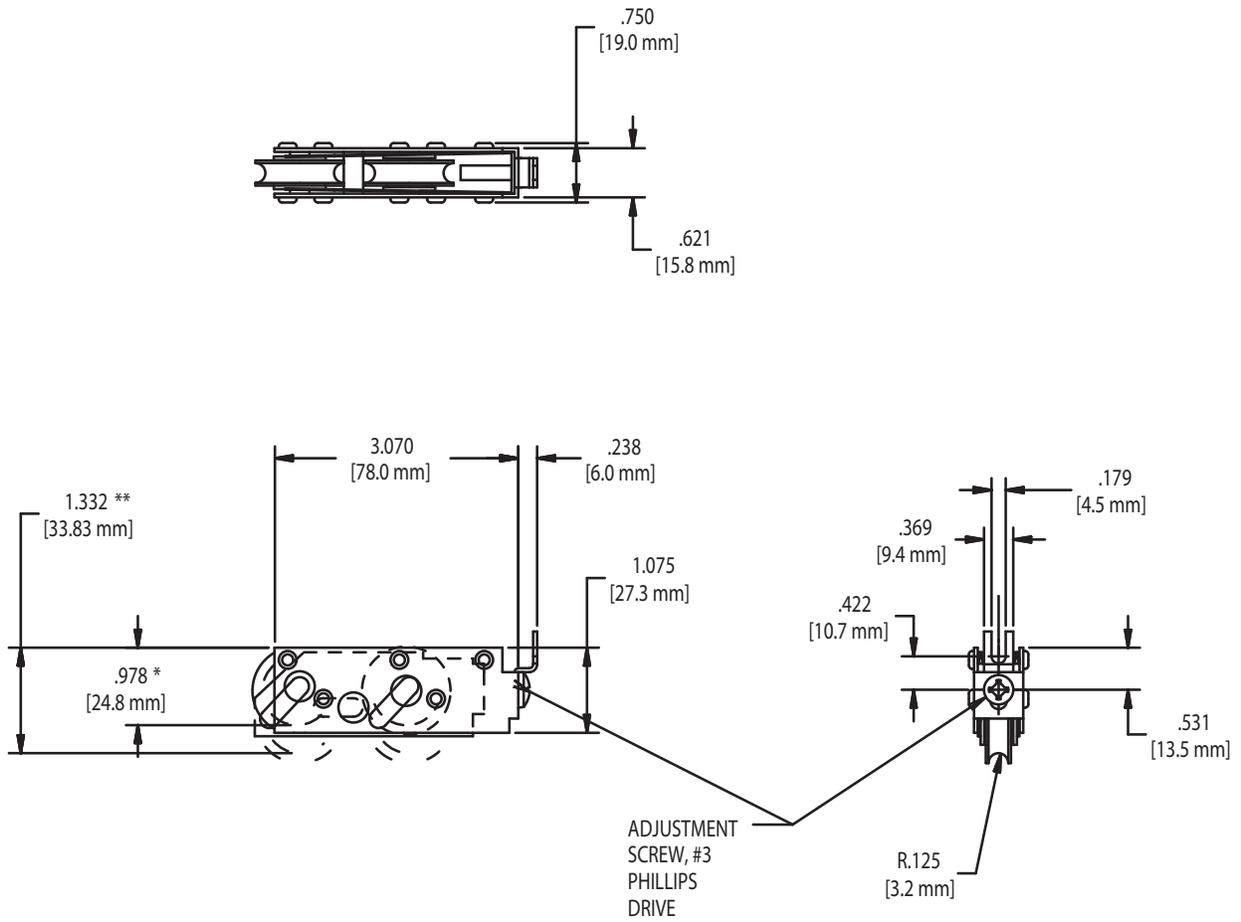
RECOMMENDED MOUNTING SCREWS:

- (QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

END ADJUST TANDEM ROLLERS

FIG. 12 1959 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

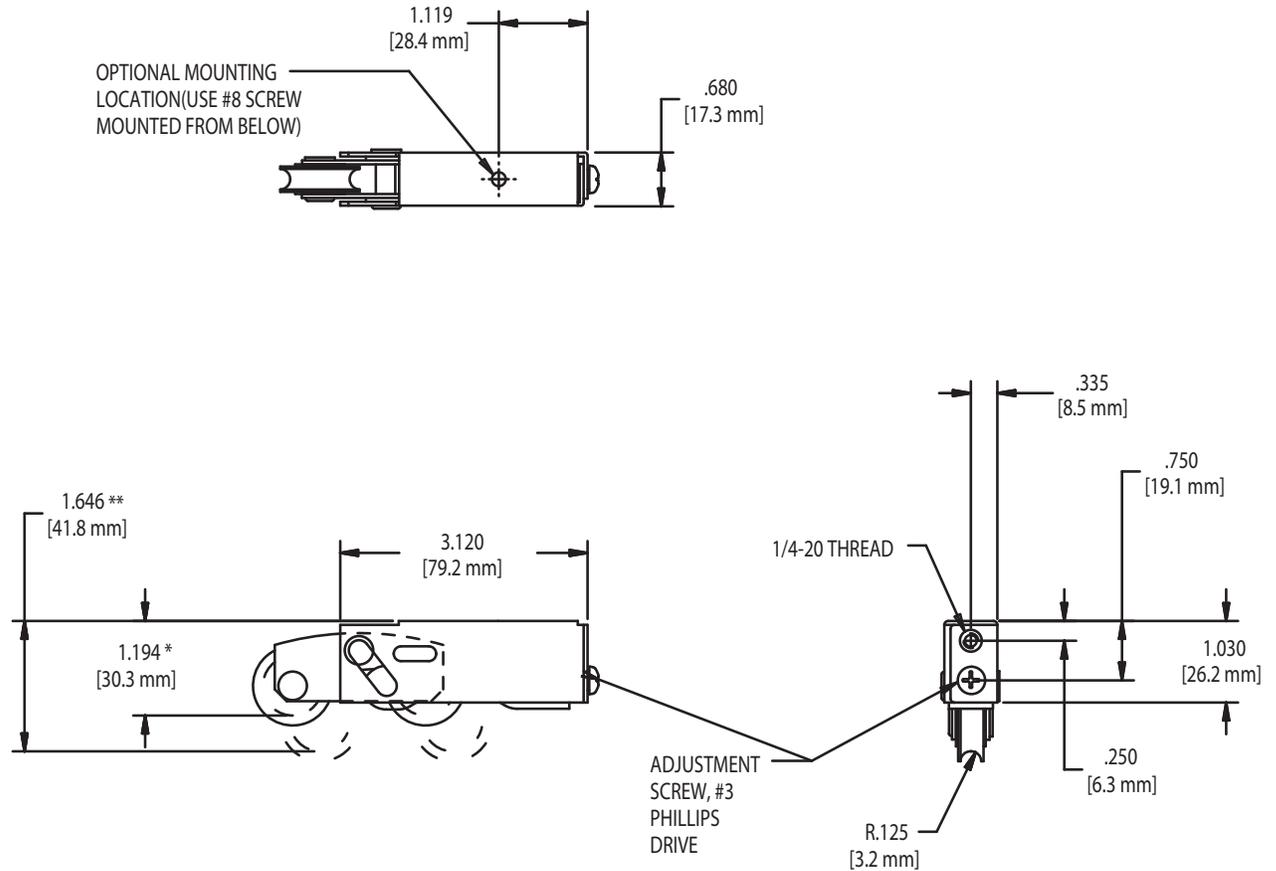
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	MATERIAL
1959-1112	STEEL
1959-1112-SS	STAINLESS STEEL

RECOMMENDED MOUNTING SCREWS:

(QTY 1) #8 PHILLIPS PAN HEAD SCREW,(THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

FIG. 13 1963-2000-2 TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

RECOMMENDED MOUNTING SCREWS:

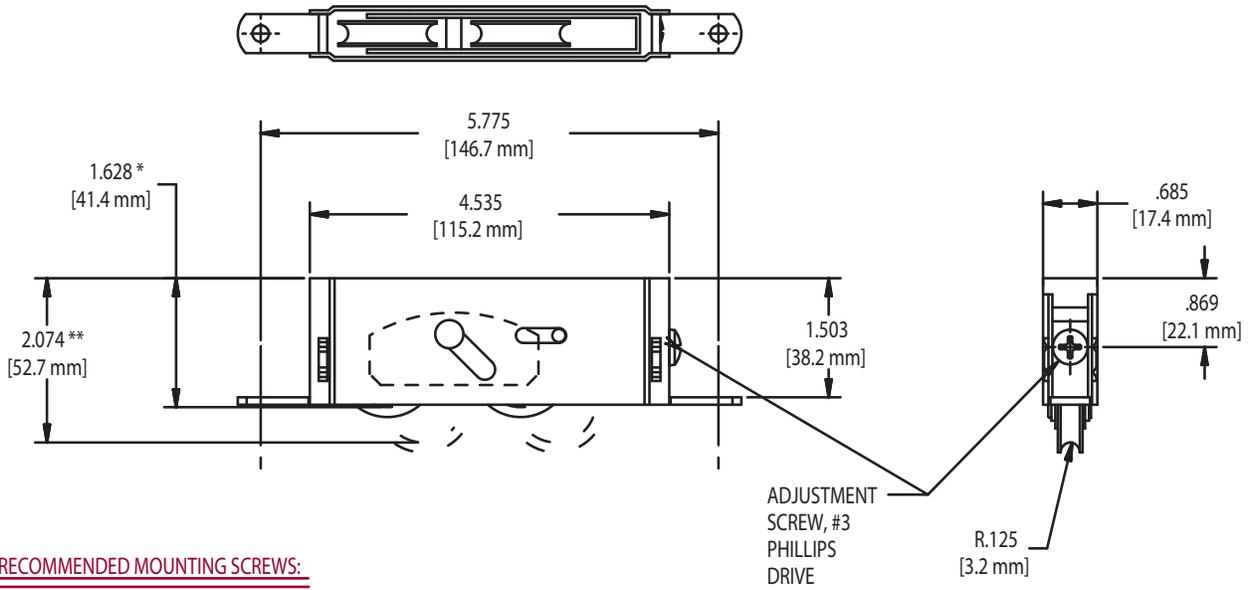
(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

OR

(QTY 1) #8 PHILLIPS PAN HEAD SCREW,(THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 14 1977-4000 TANDEM ROLLER

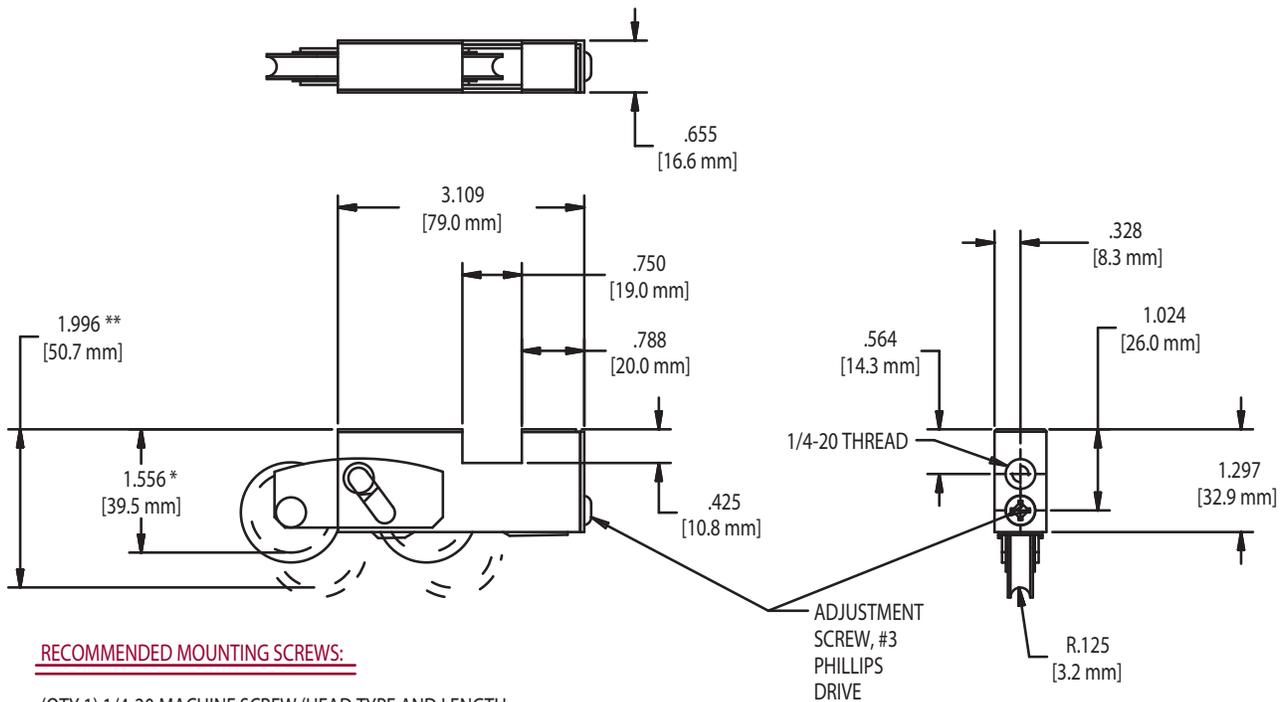


RECOMMENDED MOUNTING SCREWS:

(QTY 2) #10 PHILLIPS FLAT HEAD SCREWS,(THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

FIG. 15 38.15.00.001 TANDEM ROLLER

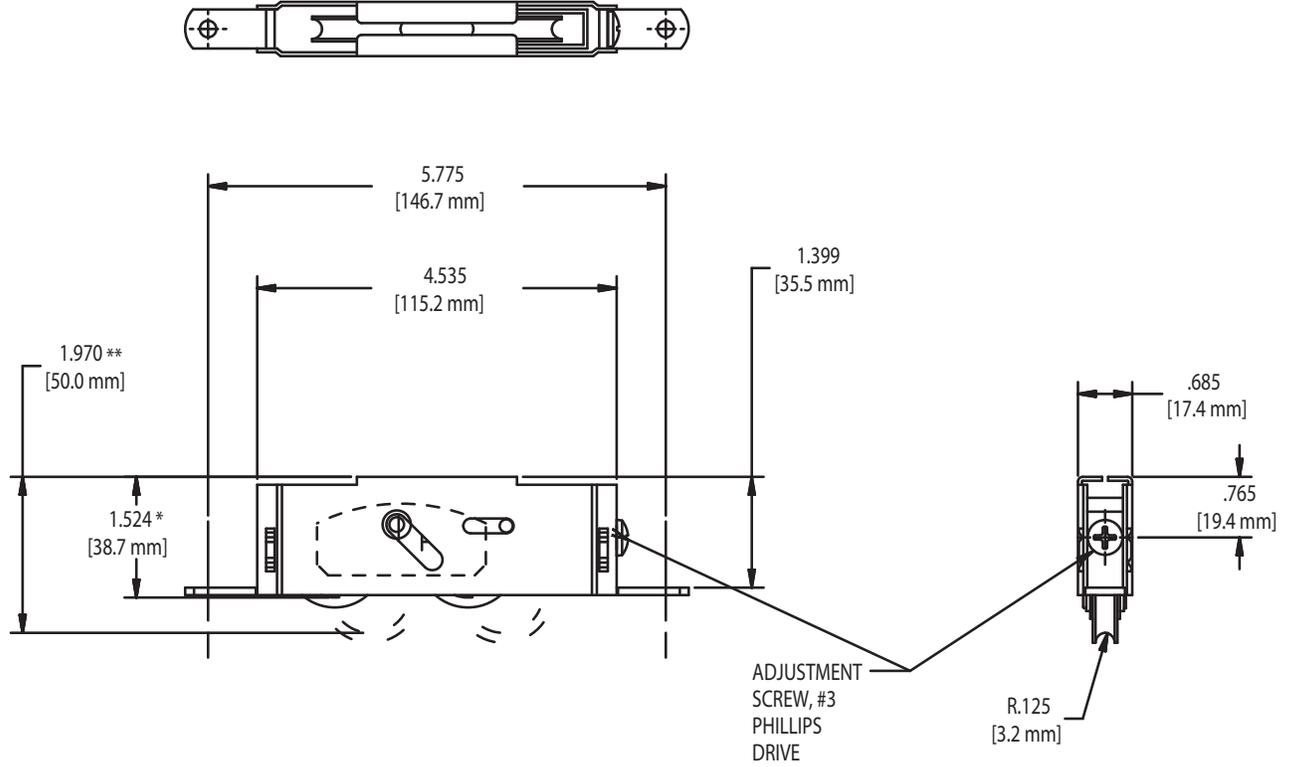


RECOMMENDED MOUNTING SCREWS:

(QTY 1) 1/4-20 MACHINE SCREW,(HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

FIG. 16 1978 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

**FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

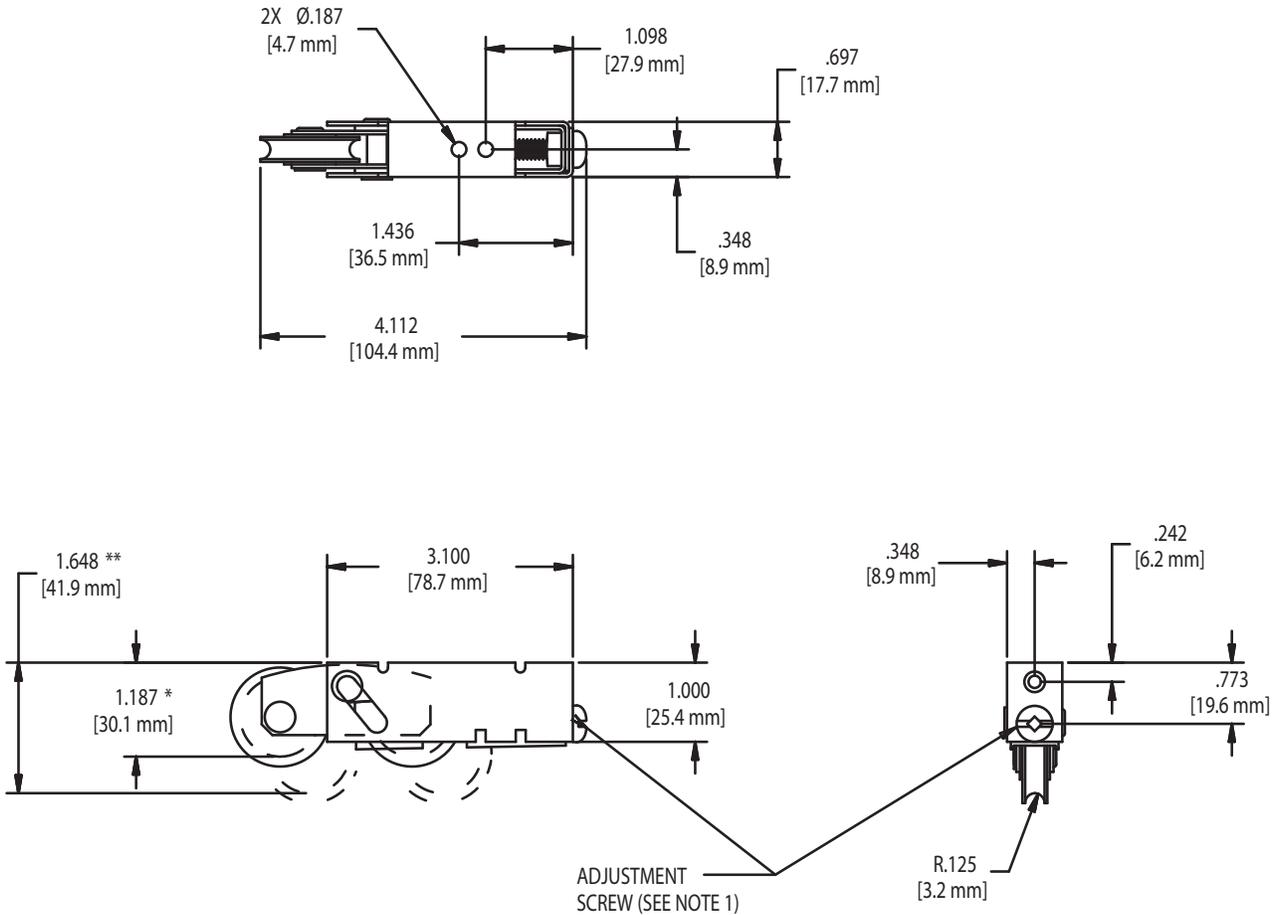
PART NO.	MATERIAL
1978-4000-2	STEEL
1978-4000-SS	STAINLESS STEEL

RECOMMENDED MOUNTING SCREWS:

(QTY 2) #10 PHILLIPS FLAT HEAD SCREWS,(THREAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 17 451 AND 452 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	WHEEL MATERIAL
ND451	NYLON
SD452	STEEL

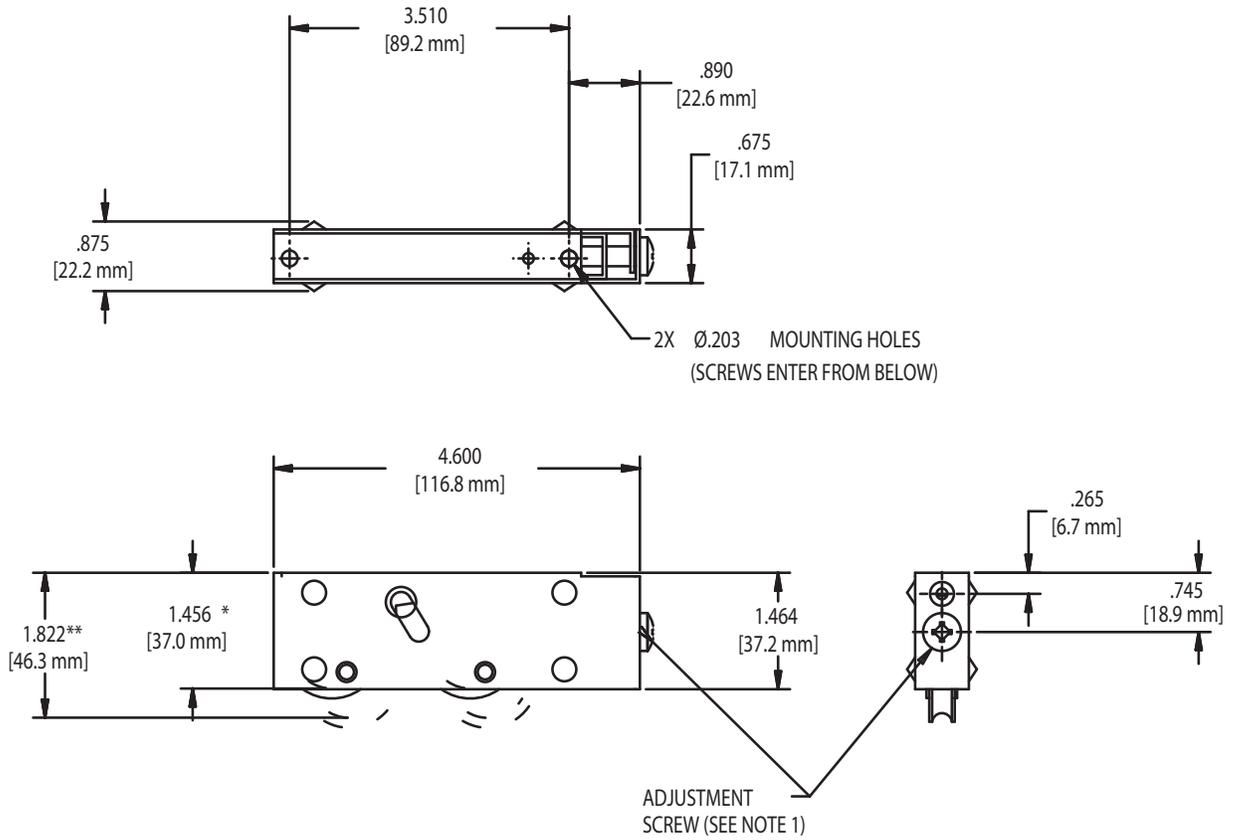
NOTE:

1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

1/4-20 MACHINE SCREWS, HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION

FIG. 18 460 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	WHEEL MATERIAL
SD460	STEEL
ND460	NYLON

NOTE:

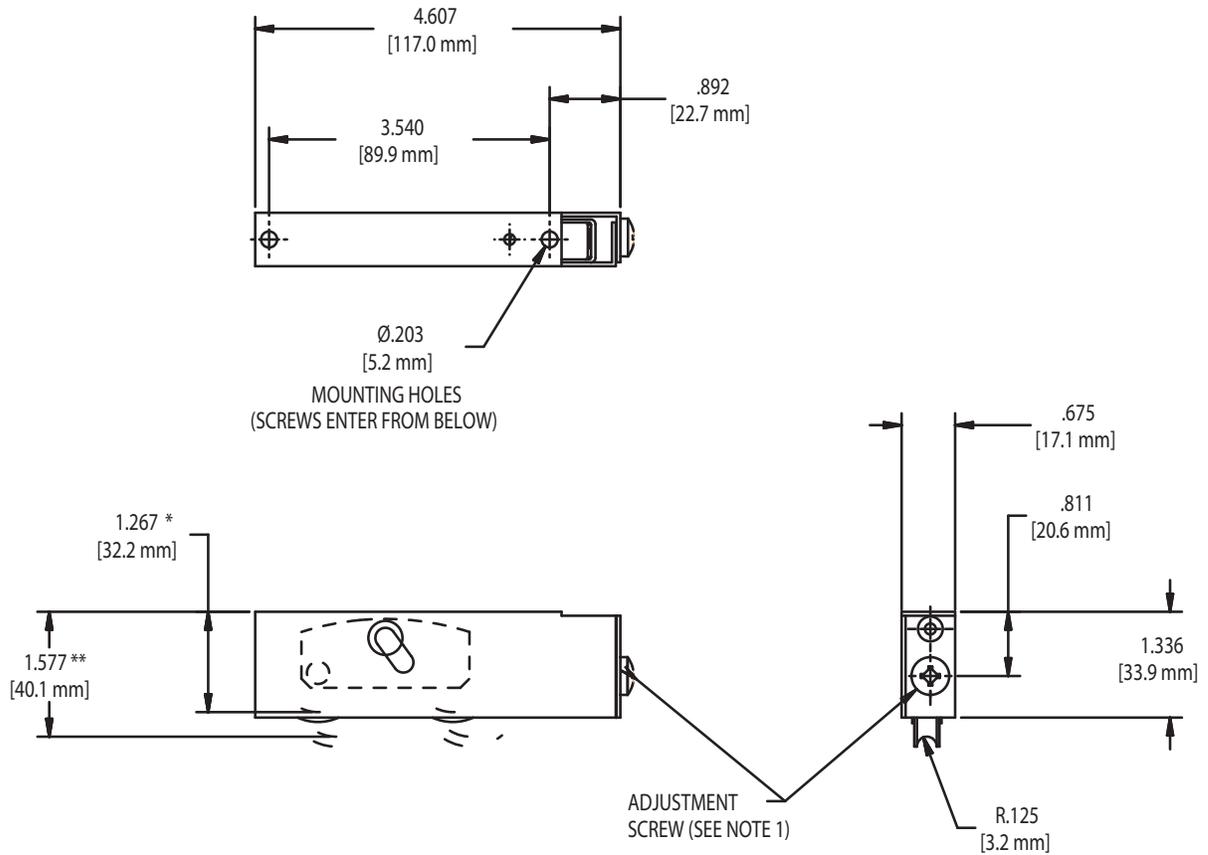
1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

(QTY 2) #10 PHILLIPS PAN HEAD, (LENGTH AND THREAD TYPE TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 19 SD461 SERIES ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

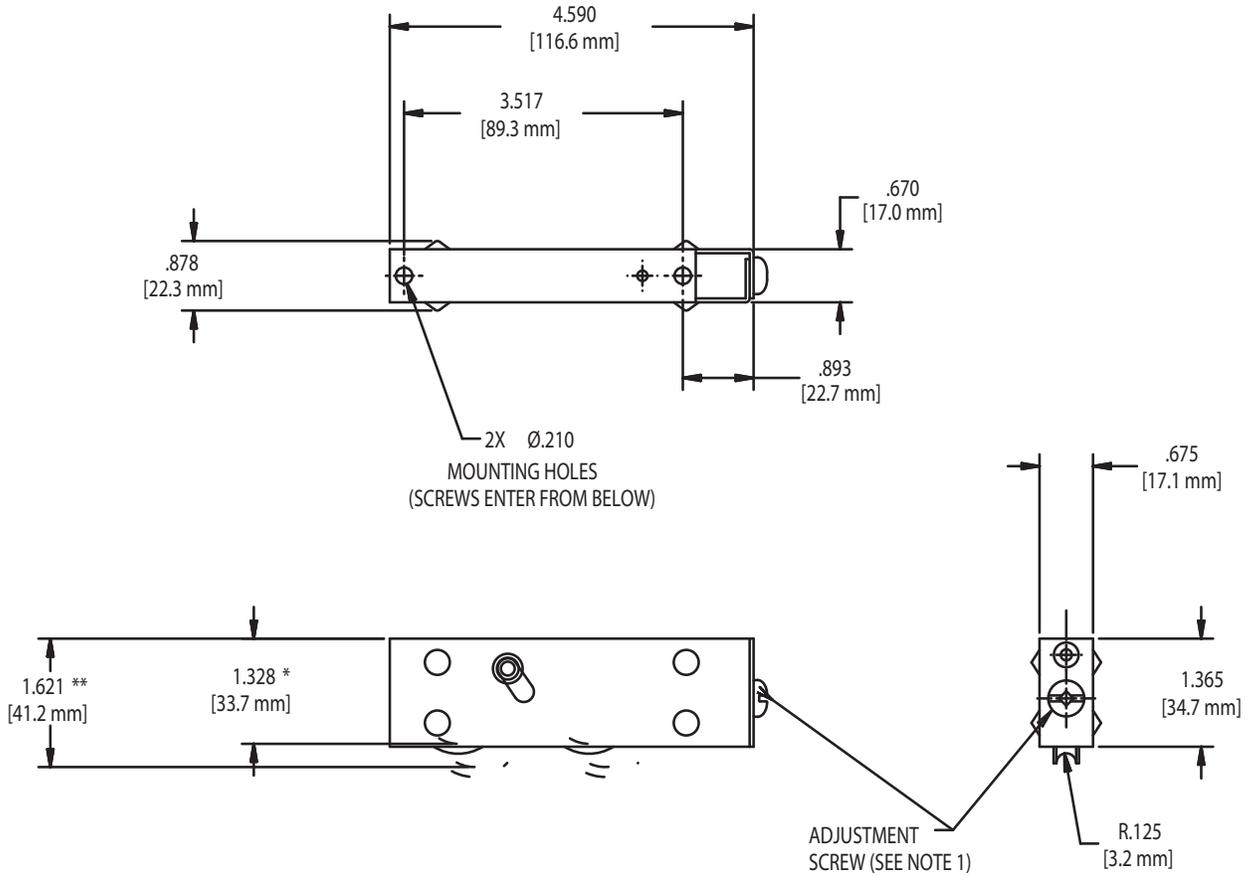
NOTE:

1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

(QTY 2) #10 PHILLIPS PAN HEAD SCREWS (LENGTH AND THREAD TYPE TO BE DETERMINED BY PROFILE)

FIG. 20 462 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	WHEEL MATERIAL
SD462	STEEL
ND462	NYLON

NOTE:

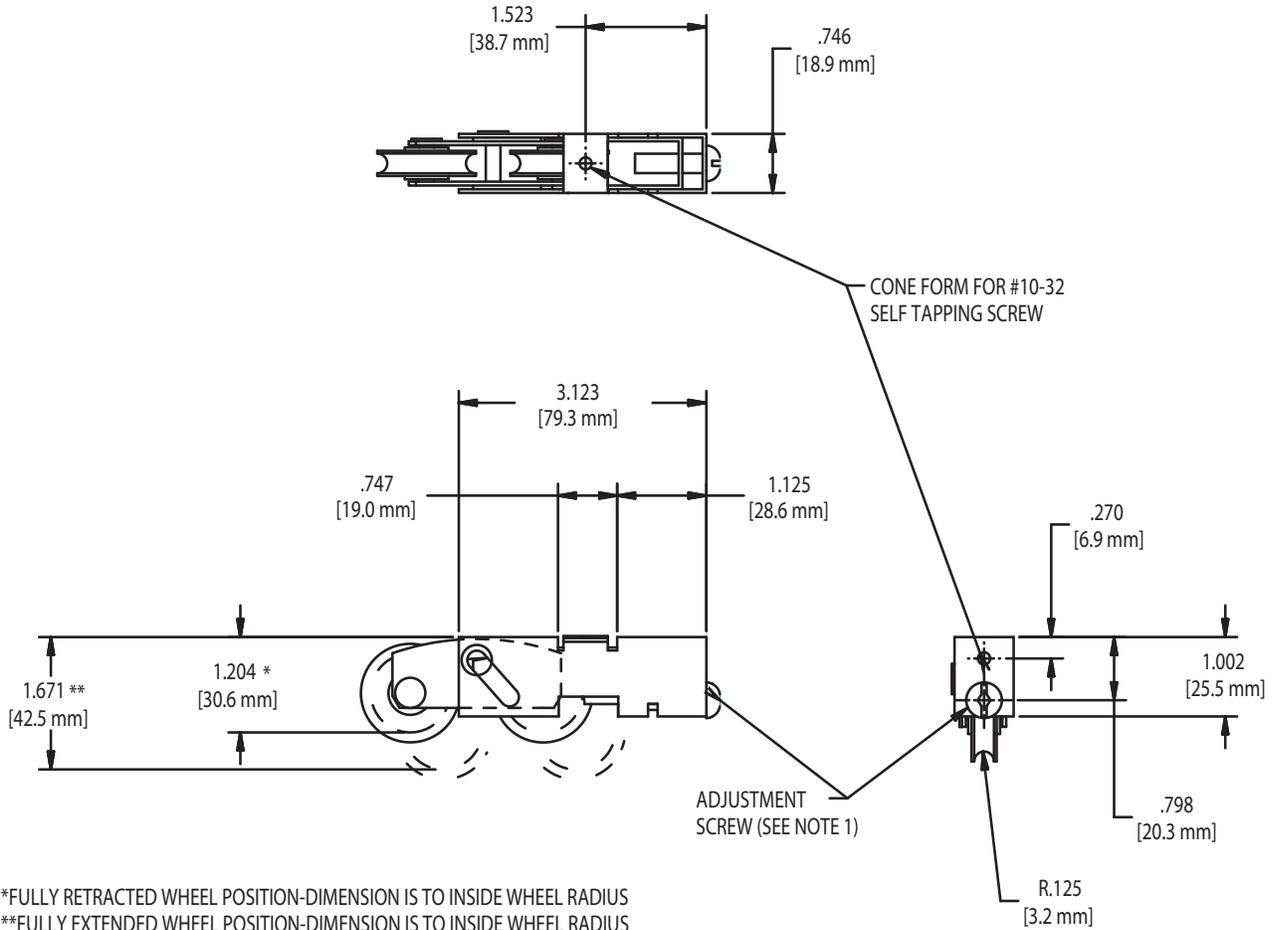
1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

(QTY 2) #10 PHILLIPS PAN HEAD SCREWS (LENGTH AND THREAD TYPE TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 21 740 AND 747 SERIES TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

PART NO.	WHEEL MATERIAL	WHEEL DIAMETER
ND740	NYLON	1.25"
SD740	STEEL	1.25"
SD747	STEEL	1.00"

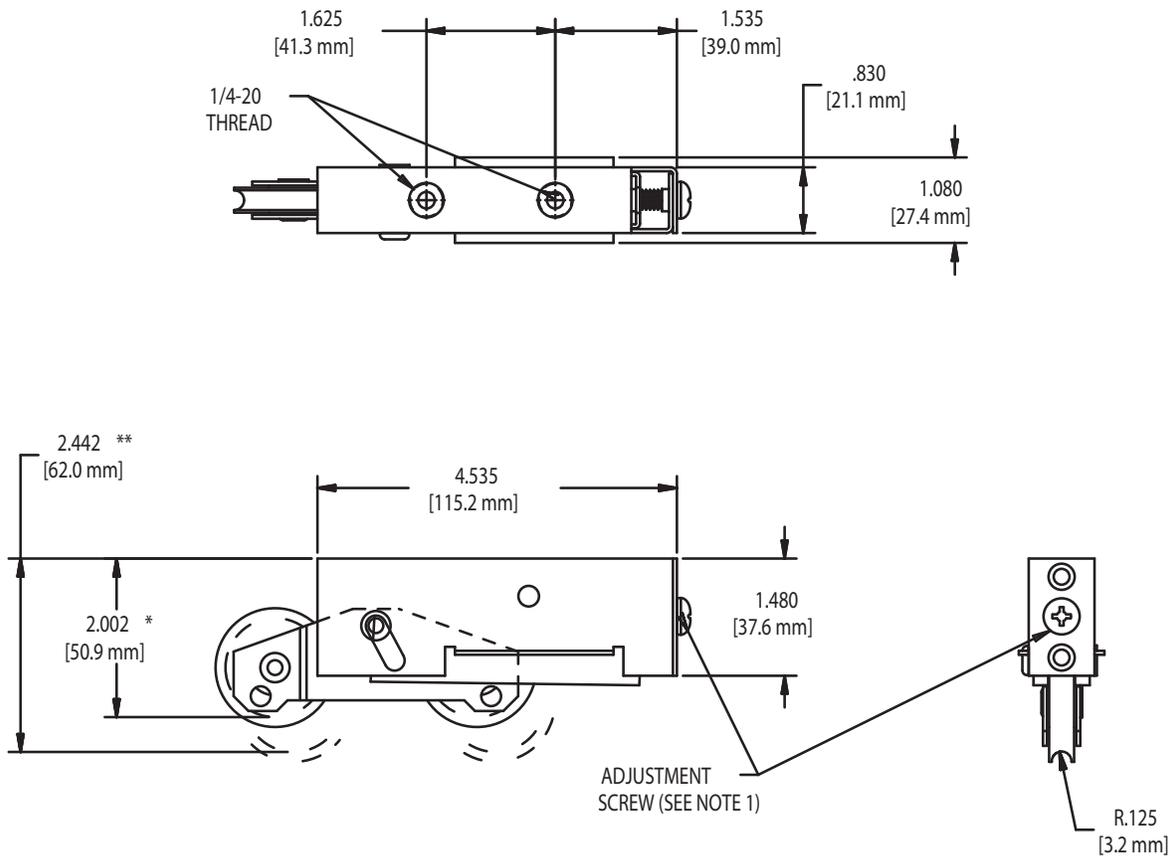
NOTE:

1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

1/4-20 MACHINE SCREWS, HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION

FIG. 22 SD850 TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

NOTE:

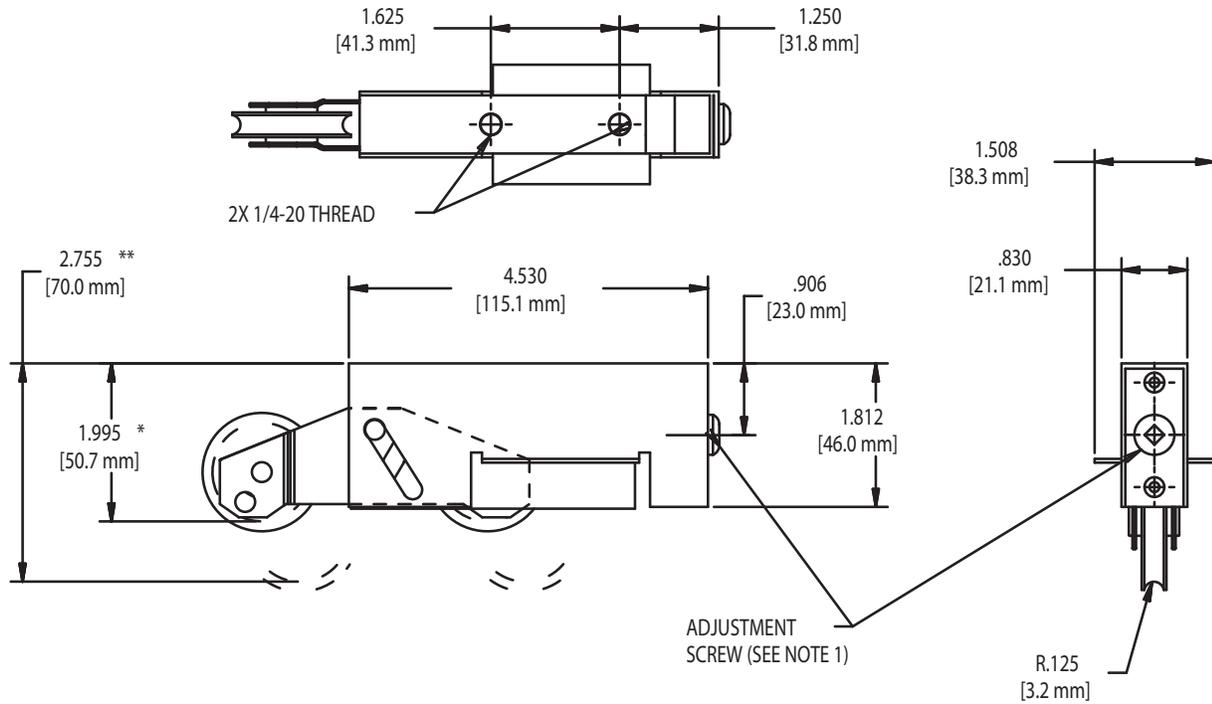
1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

(QTY 2) 1/4-20 MACHINE SCREWS, (HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)

END ADJUST TANDEM ROLLERS

FIG. 23 SD854 TANDEM ROLLER



*FULLY RETRACTED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS
 **FULLY EXTENDED WHEEL POSITION-DIMENSION IS TO INSIDE WHEEL RADIUS

NOTE:

1. WHEN ORDERING SPECIFY DRIVER TYPE: #2 PHILLIPS OR ROBERTSON/#2 FLAT COMBINATION DRIVE

RECOMMENDED MOUNTING SCREWS:

(QTY 2) 1/4-20 MACHINE SCREWS, (HEAD TYPE AND LENGTH TO BE DETERMINED BY APPLICATION)