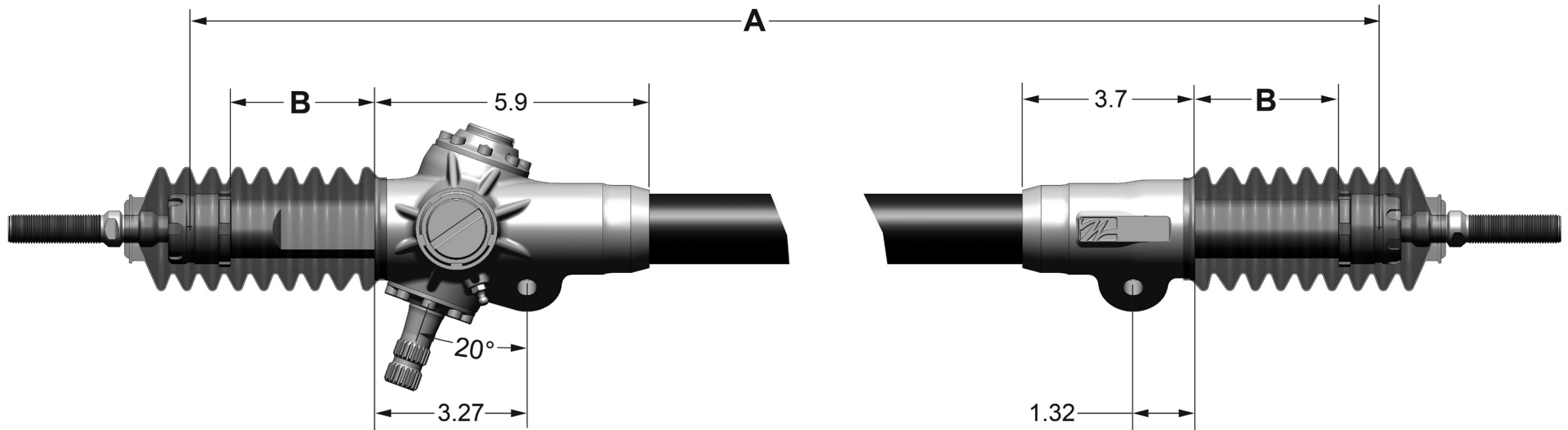


Data needed to build a “long” type JL Rack and Pinion

Applies to right or left hand drive, front or rear steer (LHD front steer is shown)

Note: Dimensions already shown in the drawing are for reference and cannot be changed.



Specify **A**, **B**, **C** and **D**:

A=Distance between spherical centers

B=Rack travel one way from center

The maximum value for B is 3.46 inches.

The total rack travel left to right (“lock to lock”) is $B \times 2$.

C=Choice of ratios

2.09 inches/turn, 2.36 inches/turn, or 2.62 inches/turn

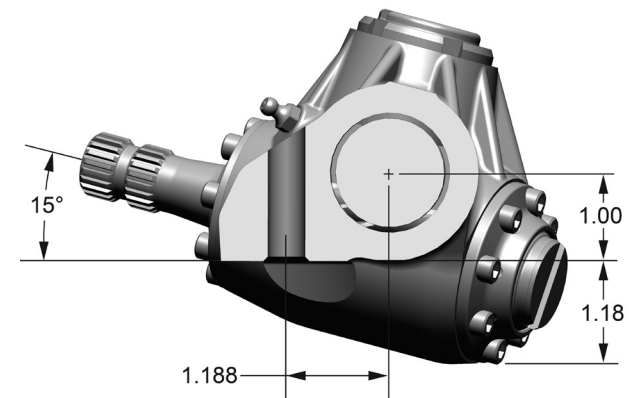
For reference, to obtain the number of turns lock to lock divide your total rack travel by the ratio, e.g. $6.0 \div 2.09 = 2.87$ turns.

Note that “turns lock to lock” is NOT the steering ratio. The ratio, or quickness, is the distance a rack can travel IN ONE TURN.

D=Choice of ball stud threads

14mm x 1.5, 5/8-18, or 3/4-16

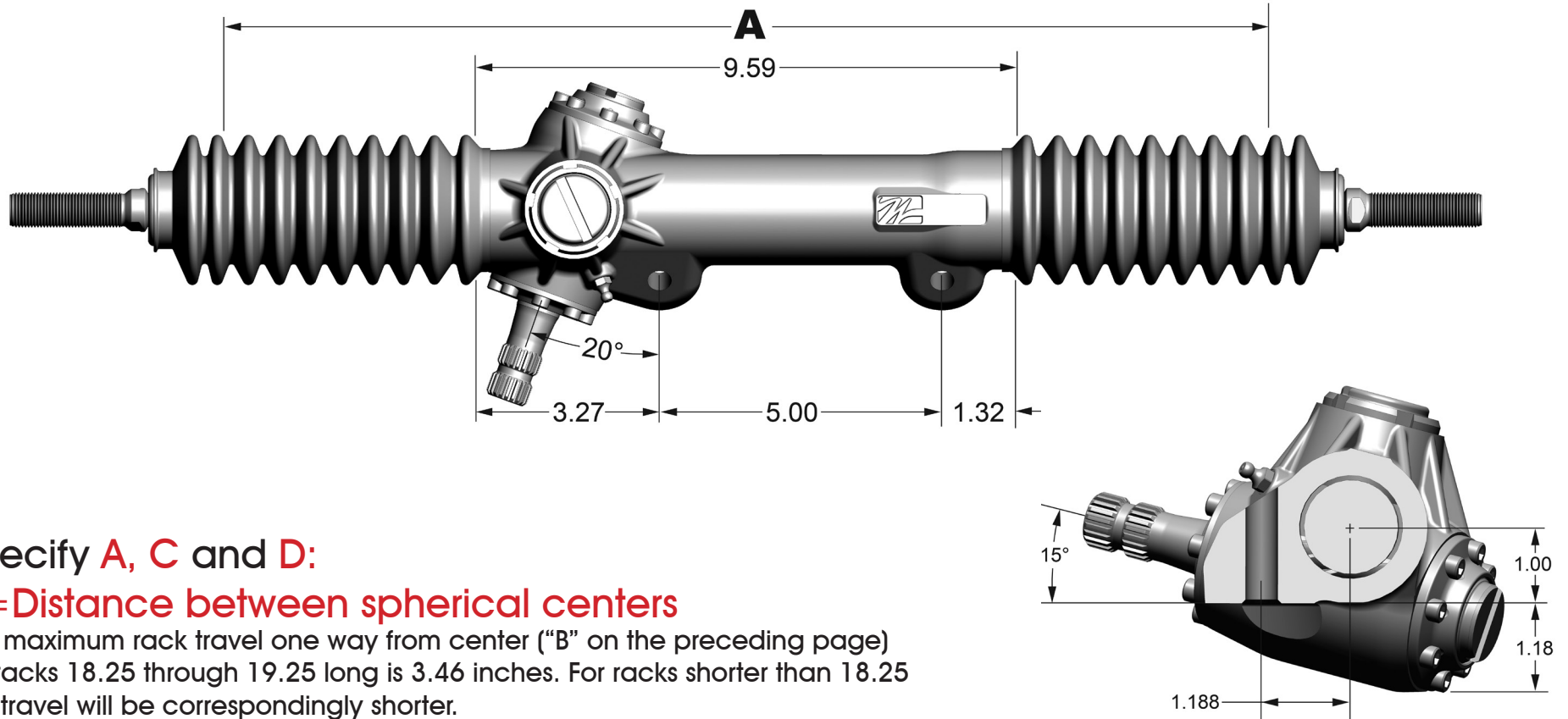
To find the length of the required tie rod adjuster sleeve, refer to the tables in Catalog section 9, “Suspension Links and Tie Rods.”



Data needed to build a “short” type JL Rack and Pinion

Applies to right or left hand drive, front or rear steer (LHD front steer is shown)

Note: Dimensions already shown in the drawing are for reference and cannot be changed.



Specify **A**, **C** and **D**:

A=Distance between spherical centers

The maximum rack travel one way from center (“B” on the preceding page) for racks 18.25 through 19.25 long is 3.46 inches. For racks shorter than 18.25 the travel will be correspondingly shorter.

C=Choice of ratios

2.09 inches/turn, 2.36 inches/turn, or 2.62 inches/turn

For reference, to obtain the number of turns lock to lock divide your total rack travel by the ratio; for example, $6.0 \div 2.09 = 2.87$ turns. Note that “turns lock to lock” is NOT the steering ratio. The ratio, or quickness, is the distance a rack can travel IN ONE TURN.

D=Choice of ball stud threads

14mm x 1.5, 5/8-18, or 3/4-16

To find the length of the required tie rod adjuster sleeve, refer to the tables in Catalog section 9, “Suspension Links and Tie Rods.”