



SAE Turning Radius Calculations for Quote No. 124395				
Wheelbase:	234"	Front Bumper Size:	10"	
Body Width:	100"	Front Bumper Extension:	24"	
Front Axle Kingpin Center:	71"	Front Wheel Type:	ALUMINUM	
Front Axle Track:	84.1"	Rear Wheel Type:	ALUMINUM	
Front Axle Tire Width:	16.6"	Tire Brand:	MICHELIN	
Dimension Over Rear Tires:	97.71"			
Body Front Overhang:	96"			
Inside Cramp Angle	S. A. E. Turning Radius	Tire Curb Clearance	Bumper Swing Clearance	Minimum Inside Radius
35	39.5'	40.2'	44.5'	26.7'
36	38.7'	39.4'	43.7'	25.7'
37	37.8'	38.5'	43'	24.8'
38	37.1'	37.8'	42.3'	23.8'
39	36.3'	37'	41.6'	23'
40	35.6'	36.3'	41'	22.1'
41	35'	35.6'	40.4'	21.3'
42	34.3'	35'	39.8'	20.5'
43	33.7'	34.4'	39.3'	19.8'
44	33.1'	33.8'	38.8'	19.1'
45	32.6'	33.3'	38.3'	18.4'
46	32.1'	32.7'	37.8'	17.7'
47	31.5'	32.2'	37.4'	17.1'
48	31.1'	31.8'	37'	16.4'
49	30.6'	31.3'	36.6'	15.8'
50	30.2'	30.8'	36.2'	15.3'
Nominal Cramp Angles:				
Meritor FL941 & FL943 axles: up to and including 425/65R22.5 tires			45 degrees	
Meritor MFS axles: up to and including 425/65R22.5 Tires			45 degrees	
Dana D2200W & I220W axles: up to and including 445/65R22.5 tires			42 degrees	
Reyco IFS: up to and including 385/65R22.5 tires			48 degrees	
Reyco IFS: 425/65R22.5 tires			45 degrees	
Reyco IFS: 445/65R22.5 tires without front intake			42 degrees	
Meritor Front Drive Axle: up to and including 425/65R22.5 tires			37 degrees	
Marmon Herrington Front Drive Axle: up to and including 425/65R22.5 tires			42 degrees	
This Turning Radius report reflects how the quote was configured. Any succeeding changes may slightly alter the turning radius of the vehicle and the data in this report.				