

Axle Carrier Pinion Angles

M-451-002

(February 2009)

Valid for

ALL CXU, CHU, GU, TD, MRU, LEU

Case description

"The following service bulletin includes a chart which is currently published in the drive shaft Service Manual, 11–101, dated October 2001, has been revised to provide driveline angles for vehicles equipped with tri-drive axles. It is recommended that a photo copy of this service bulletin be inserted into any drive shaft service manuals in your possession. "

Axle Model	Axle Spacing (Inches)	CXU, CHU, GU, TD, CXN, CT, CTP	CX, CH	CL	MRU, LEU, LE, RD6 RB, MR, DM, CV	All models with Chalmers Suspension
		Degrees Front/Rear	Degrees Front/Rear	Degrees Front/Rear	Degrees Front/Rear	Degrees Front/Rear
Tandem Rear Axles						
MACK S34/S38/S40 S34R/S38R/SB38	50, 52, 54, 60, 72	2/2	3/0	1/0	1/0	-
MACK S44 and higher	50, 52, 54, 60, 72	2/2	3/0	3/0	1/0	-
MACK S65	52, 54, 58, 60	2/2	-	1/0	1/0	-
Dana/Eaton DS40/41	52, 54	2.5/7	3.5/6.5	3.5/6.5	3.5/6.5	-
	60	2.5/2.5	3.5/3.5	3.5/3.5	3.5/3.5	-
	72	2.5/2.5	3.5/3.5	3.5/3.5	3.5/3.5	-
Dana/Eaton DS402	52, 54	-	3.5/9	3.5/9	3.5/9	-
	60	-	3.5/8	3.5/8	3.5/8	-
Dana/Eaton DS404/405, DHS40	52, 54	2.5/11	3.5/9	3.5/9	3.5/9	-
	60	2.5/9.5	3.5/8	3.5/8	3.5/8	-
	72	2.5/7.5	3.5/6.5	3.5/6.5	3.5/6.5	-
Dana/Eaton DS461/462/463, DSS40	52	2.5/11.5	3/11	3/11	3/11	-
	54	2.5/11	3/11	3/11	3/11	3/11
	60	2.5/9.5	3/9	3/9	3/9	3/9
	72	2.5/8	3/7.5	3/7.5	3/7.5	3/7
Dana/Eaton D40-170P, D46-170(H)P	52, 54	2.5/10.5	-	-	-	3/11
	60	2.5/9.0	-	-	-	3/9
	72	2.5/7.5	-	-	-	3/7
Meritor MT40-143	52, 54	2.5/2.5	3.5/3.5	3.5/3.5	3.5/3.5	-

	60	2.5/2.5	3.5/3.5	3.5/3.5	3.5/3.5	-
	72	2.5/2.5	3.5/3.5	3.5/3.5	3.5/3.5	-
Tandem Rear Axles (continued)						
Meritor RT40-145	52, 54	2.5/12.5	3.5/11.5	3.5/11.	3.5/11.5	-
	60	2.5/10.5	3.5/10	3.5/10	3.5/10	-
	72	2.5/8.5	3.5/7.5	3.5/7.5	3.5/7.5	-
Meritor RT46-160, RT46-164EH	52	2.5/12	3.5/11	3.5/11	3.5/11	-
	54	2.5/11.5	3.5/11	3.5/11	3.5/11	3/11
	60	2.5/10	3.5/9.5	3.5/9.	3.5/9.5	3/10
	72	2.5/8.5	3.5/7.5	3.5/7.5	3.5/7.5	3/8
Meritor RT48/58- 180, RT52-185	52	2.5/12.5	3.5/11.5	3.5/11.5	3.5/11.5	-
	54	2.5/12	3.5/11.5	3.5/11.5	3.5/11.5	-
	60	2.5/10.5	3.5/10	3.5/10	3.5/10	-
	72	2.5/8.5	3.5/7.5	3.5/7/5	3.5/7.5	-
Tri-Drive Axles (Not available for TD model chassis at this time)						
MACK S462	54*	2/2/2	-	-	-	-
Meritor RZ166	54*	1.5/1.5/12.5	-	1.5/1.5/12.5	1.5/1.5/12.5	-
	60*	1.5/1.5/11.0	-	-	-	-

* Axle spacing measured from centreline of front-rear axle to centreline of intermediate-rear axle and centreline of intermediate-rear axle to rear-rear axle

Axle Model	CXU, CHU, GU, CXN, CHN, CTP, CT
	Degrees
Single Rear Axles	
Dana/Eaton 23105	3.5
Dana/Eaton 23090	3.5
Meritor 23160	3.5
Meritor 2318	3.5

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