



Parts for Trucks, Trailers & Buses

15

# STEERING

*Proven, reliable and  
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TRP® offers reliable  
aftermarket products  
that are designed  
and tested to exceed  
customers' expectations  
regardless of the vehicle  
make, model or age.



KING PIN KITS • TIE ROD ENDS



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## Steering

Choosing the right replacement part or service for your vehicle—whether you own one, or a fleet—is one of the most important decisions you can make for your business. And, with tested TRP® parts it's an easy decision.

Regardless of the make you drive, TRP® quality replacement parts are engineered to fit your truck, trailer or bus. Choose the parts that give you the best value for your business. Check them out at an approved TRP® retailer near you.

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## STEERING

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### TRP® North America

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## KING PIN KITS

### KING PIN KITS

TRP® King Pin Kits are manufactured using high quality steel, state-of-the-art heat treatment and machine-tool technology. Available for all makes of axles, TRP® King Pin Kits are built for maximum strength and wear resistance.

#### FEATURES & BENEFITS

- » Premium tested design
- » Quality steel and superior heat treatment offer wear resistance
- » For medium and heavy-duty applications



### CROSS REFERENCE

Axle Mfg.	Model	Axle Load	TRP	OEM Kit	Meritor	Fleetrite	Euclid
Dana/Eaton	I50 - I80	6k - 8k	SK546	101KK113	R200052	FAK4495	E-4460B
	D800 - D850	8k	SK626	329182	R201487	FAK4626	
	I108 - I120	10.5k	SK571	309KK105	R200074	FAK4517	E-4693B
	I100 - I120	10k - 12k	SK635B	120KK100	R201486	FAK5455	
	EFA12F4	12k	SK589	806355	R200267	FAK4572	E-4696C
	I108 - I120	12k - 13.2k	SK606	343KK103	R200278	FAK5453	E-6875C
	E1000/E1320I	12k - 13.2k	SK652	328342	R200281	FAK4610	E-11394B
	E1200/E1320I	12k - 13.2k	SK716	328344		FAK5506	
	1460I	14.6k	SK654	328345		FAK4612	
	1460I	14.6k	SK720	328343		FAK4611	
EFA18	18k - 22k	SK602	811525	R200250	FAK4574	E-6194C	
Hendrickson	AIRTEX, SOFTEK STEERTEK, IFS	12.5k - 14.6k	SK738	60961-040		FAK5512	
Mack/Volvo	FA514	9k	SK556	301SQ46B	R200064	FAK4507	E-4466B
	FA532/537	10.5k - 12k	SK557	301SQ47E	R200065	FAK4508	E-4467B
	FA616/617	18k - 20k	SK566	301SQ52A	R200071	FAK4514	E-4599B
	FXL12 & VF12- FXL23 & VF23	12k - 23k	SK732	301SQ53 85108338 (Single Side)		FAK5459	
Meritor	FF Series	12k	SK604	R201315	R201315	FAK4570	E-6199C
	FF Series	13.2k	SK569	R201307	R201307	FAK4564	E-4694C
	FF/FL	13.2k - 20k	SK538	R200198	R200198	FAK4558	E-4458B
	FF Series	16k - 20k	SK590	R201312	R201312	FAK4568	E-4458C
	FF921	12k	SK525	R200199	R200199	FAK4559	E-4450B
	FF931	12k - 13.2k	SK551	R200195	R200195	FAK4555	E-4468B
	FF981	12k	SK663	R201419	R201419	FAK4614	E-11808C
	FG943	14.6k	SK574	R201309	R201309	FAK4566	E-4695C
FG943	14.6k	SK568	R201310	R201310	FAK4567	E-6868B	



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# KING PIN KITS

**Tie Rod Ends**  
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## KING PIN KITS

TYPE	KING PIN DESIGN
A	Single Draw-Key Slot
B	Double Draw-Key Slot (Opposite Sides)
C	Tapered
D	Double Draw-Key Slot (Same Side)
E	Tapered and/or Stepped with Threads



## CHEVROLET/ GMC

Table 15-1: Chevrolet/ GMC King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN
SK558	F120, F120D	1979 to 1980	9,000, 10,860, 12,000	Bronze	1.745" x 9.38"	B
SK541B	F050, F055	1975 to 1984	5,000	Bronze	1.179" x 6.36"	A
SK640	FL1	1990 to present	8,100	n/a	1.614" x 8.035"	E
SK641	FL2	1991 to present	11,000	Bronze	1.890" x 9.193"	E
SK642	FS7	1991 to present	12000, 14,000	Bronze	1.890" x 9.606"	E

## DANA/ SPICER

Table 15-2: Dana/ Spicer King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE	NOTES
SK596	EFA12F3, EFA13F3	n/a	12,000	Composite	1.625" x 9.12"	A	
SK602	EFA18F3, EFA20F4, EFA-22T2, T5, EFA-24T2	Models Before 1/1/2000	18,000 20,000 22,000	Composite	1.872" x 9.96"	A	
SK603	D-800F/W	Before 9/18/2002	8,000	Bronze	1.350" X 8.07"	B	
SK609	EFA-12F4	n/a	12,000	Bronze	1.625" x 9.12"	A	
SK610	EFA-12F3	n/a	12,000	Bronze	1.625" x 9.12"	A	

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE	NOTES
SK626	D-800F/W, D-850F/W	After 9/18/2002	8,000 8,500	Composite	1.350" X 8.07"	D	
SK629	E-1002I/W, E-1202I/W, E-1322I/W, E-1462I/W	n/a	10,000 12,000 13,000 14,000	Composite	1.870" X 9.06"	D	
SK630	E-12031	n/a	12,000	Composite	1.790" x 9.06"	D	
SK633	EFA18F3, EFA20F4, EFA-22T2, T5, EFA-24T2	Before 1/1/2000	18,000 20,000 22,000	Bronze	1.870" x 9.96"	A	
SK635B	I-100SA, I-100S/SG, I-120S/SG	n/a	10,000 12,000	Composite	1.920" X 9.87"	B	
SK636B	I-132SG, I-140S/SG	n/a	13,200 14,000	Composite	2.050" x 10.12"	B	
SK653	E-1460I/W	Before 1/1/2000	14,600	Bronze	1.872" x 9.06"	A	Heavy Duty Kit with Bronze Bushings
SK654	E-1460I/W	After 1/1/2000	14,600	Composite	1.872" x 9.06"	A	
SK716	E-1000I/W, E1200I/W, E1201W, E1320I/W	n/a	10,000 12,000 13,000	Composite	1.794" x 9.06"	A	
SK716B	E-1000I/W, E1200I/W, E1201W, E1320I/W	n/a	10000, 12000, 13000	Bronze	1.794" x 9.06"	A	SK716 - With Bronze Bushings
SK717	E-1002I/W, E-1202I/W, E-1322I/W, E-1462I/W	n/a	10,000 12,000 13,000 14,000	Bronze	1.870" X 9.06"	D	
SK718	E-1203I	n/a	12,000	Bronze	1.790" x 9.06"	D	

## FORD

Table 15-3: Ford King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING (LBS.)	BUSHING TYPE	KING PIN SIZE	TYPE	NOTES
SK412	B,F500, B,F600, B6000, FT600, P500	n/a	5000, 6000	Bronze	1.129" x 7.67"	A	
SK413	P400	n/a	3,800	Bronze	0.922" x 6.990"	A	
SK482	Autocar, Brockway, Dodge, Ford, Freightliner, Kenworth, Peterbilt, White & Rockwell - FF901 & FF903	1963 to 1982	12,000	Bronze	1.794" x 9.12"	B	
SK483B	n/a	1967 to 1984	7,000	Bronze	1.2305" x 8.89"	A	w/ Hydraulic Brakes
SK537	n/a	1975 to 1984	7,000	Bronze	1.433" x 8.25"	B	w/ Air Brakes
SK538	n/a	1975 to 1984	16,000	Bronze	1.99" x 11.212"	B	
SK539	n/a	1975 to 1984	12,000	Bronze	1.794" x 10.07"	B	w/ Air Brakes
SK562	B500, F500, B600, B6000, B700, B7000, F600, FT600, F700, FT700, LN500, LN600, LN700, M400 (Motor Home) N500, N600, N6000, P500 & P600	1963 to 1983	5,000	Bronze	1.230" x 7.84"	A	
SK637	n/a	1989 to present	8,000	Bronze	1.433" x 8.25"	B	w/ Air Brakes
SK638	n/a	1990 to present	10000, 12000	Composite	1.794" x 10.07"	B	Aluminum Axle
SK6391	n/a	1995 to present	14,600	Bronze	1.812" x 10.542"	B	

## GMC

Table 15-4: GMC King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN
SK473B	F070	1979 to 1986	7,000	Bronze	1.2495" x 7.88"	A

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN
SK406	F090	n/a	9,000	Bronze	8.750" long	C
SK473	F070	1979 to 1986	7,000	Nylon	1.2495" x 7.88"	A
SK640	FL1	1990 to present	8,100	n/a	1.614" x 8.035"	E
SK641	FL2	1991 to present	11,000	Bronze	1.890" x 9.193"	E
SK642	FS7	1991 to present	12000 14,000	Bronze	1.890" x 9.606"	E

## INTERNATIONAL

Table 15-5: International King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE	NOTES
SK364	FA110	2110	11000	Bronze	9.75" long	C	Two wheel drive
SK491	FA119	n/a	12,000	Bronze	1.6085" x 9.61"	B	
SK497	B700, B7000	2095	7,000	Bronze	1.234" x 7.44"	B	Two wheel drive
SK506	FA112	2112	11,000	Bronze	1.6065" x 8.74"	B	Rockwell axle FE970
SK507	FA215 FA218	02215 02218	12,000	Bronze	1.7935" x 9.12"	B	
SK510	FA105	2105	9,000	Bronze	1.4335" x 8.5"	B	Rockwell axle FD900
SK513	FA136	2136	16,000	Nylon	1.99" x 11.04"	B	Rockwell axle FH901
SK525	FA228	2228	12,000	Bronze	1.7935" x 10.41"	B	Rockwell axle FF921
SK535	FA139	n/a	10,500	Bronze	1.608" X 9.66"	B	
SK546	FA71	2071	5,000	Bronze	1.359" x 7.97"	A	
SK548	FA109	n/a	9,000	Bronze	1.484" x 8.850"	A	
SK549	FA139	2139	12,000	Bronze	1.609" x 9.66"	A	
SK550	FA309	2309	9,000	Bronze	1.609" x 9.16"	A	
SK551	FA226	2226	12,000	Bronze	1.7935" x 10.39"	B	Rockwell Axle FF931
SK567	FA309	n/a	9,000	Bronze	1.609" x 9.16"	B	
SK569	FF932	n/a	13,200	Composite	1.7935" x 10.392"	B	Rockwell Axle 1307

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE	NOTES
SK571	FA118, FA127, FA329, FA339	n/a	10,500	Bronze	1.608" X 9.66"	B	
SK577	FA68, FA70	02068 02072	5,000 5,500	Bronze	1.234" x 6.75"	A	
SK578	FA48	2048	4,700	Bronze	1.1095" x 6.25"	A	
SK589	EFA-12F4, EFA-13F5	2250	12,000	Composite	1.625" x 9.12"	A	Rockwell Axle FF931
SK590	FA231	2231	16,000	Composite	1.99" x 11.21"	B	Rockwell Axle FH901
SK603B	I-50, I-60, I-60S, I-75, I-80, & I-80S	n/a	8,000	Composite	1.350" X 8.07"	B	
SK605	FA109	2109	9,000	Bronze	1.484" x 8.85"	B	
SK606	I108, I120, & I132	1987 to 2002	12,000	Composite	1.608" X 9.66"	B	
SK634	FF961	02ARA	12,000	Bronze	1.794" x 9.87"	B	Rockwell Kit 1315
SK635	I-100S	02ADC	10,000	Bronze	1.920" x 9.87"	B	
SK636	I-132SG, I-140S/SG	02ADE	13,200 14,000	Bronze	2.050" x 10.12"	B	
SK651	I-160S	02ADH	16,000	Bronze	2.046" x 11.00"	B	
SK771	FA329	02329 (After 2002)	10,800	Bronze	1.609" x 9.66"	B	
SK772	FA71 FA73 FA101/I-75	02071 02073 02101	9,000 10,500 12,000	Bronze	1.609" x 9.16"	B	
SK773	FA309/I- 90S	2309 (Before 8/1981)	9,000	Bronze	1.609" x 9.66"	B	
SK774	FA101/I-75	2101	7,500	Bronze	1.359" x 7.79"	B	



## MACK

Table 15-6: Mack King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN	NOTES
SK579	n/a	n/a	9,000 10,500	Composite	7.47" long	C	
SK565	FA26, 48, 54, 600, 700 & 703	n/a	23,000	Bronze	12.84" long	C	Code FA703
SK556	FA517 FA535	n/a	9,500 10,000 10,500	Bronze	7.40" long	C	
SK557	FA532	n/a	10,500	Bronze	7.47" long	C	
SK566	FA(W)616, FA(W)617	n/a	18,000 20,000	Bronze	8.75" long	C	

## MERITOR

Table 15-7: Meritor King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN	NOTES
SK568	FG931/941	n/a	14,600	Bronze	1.7935" x 10.392"	B	
SK574	FG931/941	n/a	14,600	Composite	1.7935" x 10.392"	B	
SK604	FF961	n/a	12,000	Composite	1.794" x 10.39"	B	
SK663	MFS13, FF981, FF982, FF986	n/a	13,000	Composite	1.794" X 8.844"	B	
SK711	FD931	n/a	9,000	Bronze	1.6065" x 9.136"	B	

## STERLING

Table 15-8: Sterling King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN	NOTES
SK599	F/S 1999	n/a	9,000	Bronze	1.607" x 9.08"	B	Ford/Sifco Axle
SK598	F/S 1999	n/a	10,000	Bronze	1.794" x 10.07"	B	Ford/Sifco Axle
SK597	n/a	n/a	7,000	Bronze	1.300" X 7.748"	B	
SK647	F/S 1999	n/a	10,000	Composite	1.794" x 10.07"	B	Ford/Sifco Axle

## WHITE

Table 15-9: White King Pin Kits

PART NO.	AXLE MODEL	AXLE CODE YEAR	AXLE RATING LBS.	BUSHING TYPE	KING PIN SIZE	TYPE OF KING PIN
SK559	F3-100	n/a	10,000	Bronze	1.811" x 10.37"	A
SK560	F6W-1200	n/a	12,000	Bronze	1.810" x 10.54"	A
SK561	F6W-1400	n/a	14,000	Bronze	1.810" x 10.54"	A
SK443	F3W, F6W	n/a	13,200	Bronze	1.811" x 10.75"	A



## TIE ROD ENDS

### FEATURES & BENEFITS

- » Self-adjusting compression ring for correct steering alignment
- » Polyurethane seal keeps dirt out and maximizes service life
- » 2 Year Warranty

### RECOMMENDATIONS

When replacing tie rod ends, it is recommended that both sides be replaced at the same time. Drag link ends and steering axle king pins should also be inspected and replaced, if necessary.



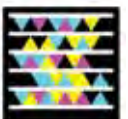
### TIE ROD ENDS

TRP® Tie Rod Ends utilize a micro-finished, heat-treated, steel alloy and full-ball stud design that allows for optimum rotation and superior range of motion. A premium boot seal protects the ball socket from dirt, water and other harsh contaminants. Extensive Finite Element Analysis is conducted to study stress points, and ensure reliable performance.

### CROSS REFERENCE

TRP®	Meritor	Triangle	Euclid	Dayton	Moog	Dana	Meritor OE	TRW
TE11987	R230139	817019			ES3476			
TE11988	R230140	817018			ES3477			
TE11003	R230069	21-423R	E4615	310-222	ES423R & ES3218R	2692244	A3144D524	L24SV5042A12
TE11004	R230068	21-423L	E4614	310-223	ES423L & ES3217L	2692243	A3144E525	L24SV5043A12
TE12937		820627						
TE12938		820626						
TE11982	R230421	21-9009L	E8757	310-285	ES3298L			
TE11981	R230420	21-9010R	E8758	310-286	ES3297R			

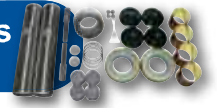
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## TIE ROD ENDS



**King Pin Kits**  
See Page 15-4



### CHEVROLET

Table 15-10: Chevrolet Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE10013	ES10013	Right	F090	9,000	3.88"	50-60 Series 67070 Except Tilt Cab
TE10014	ES10014	Left	F090	9,000	3.88"	50-65 Series 73-74
TE11033	ES11033	Right	F090 F120 F160	9,000 12,000 16,000	4.88"	50 Series 70-72 Tilt Cab 60 Series 71-82 90 Series 69-72
TE11034	ES11034	Left	F090 F120 F160	9,000 12,000 16,000	4.88"	50 Series 70-72 Tilt Cab 60 Series 71-82 90 Series 69-72
TE11035	ES11035	Right	F090 F120	9,000 12,000	4.88"	60 Series 79-84 School Bus - Anti-Tilt Seal 60 Series 79-86 - Anti-Tilt Seal
TE11036	ES11036	Left	F090 F120	9,000 12,000	4.88"	70-80 Series 79-83 - Anti-Tilt Seal 65 Series 75-78 Second Design - Anti-Tilt Seal

### FORD

Table 15-11: Ford Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE10019	ES10019	Right	n/a	7,000 7,500 8,000	6.07"	75-86 Air Brakes from S.N. W40001
TE10020	ES10020	Left	n/a	7,000 7,500 8,000	6.07"	75-86 Air Brakes from S.N. W40001

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE10023	ES10023	Right	n/a	6,000	4.44"	61-66
TE11001	ES11001	Right	FD901 FD903	9,000	4.88"	All Except L800-8000, L900-9000 Series to 1970 Air Brakes
TE11002	ES11002	Left	FD901 FD903	9,000	4.88"	All Except L800-8000, L900-9000 Series 71-79 Hydraulic Brakes
TE11003	ES11003	Right	FD901 FD903	9,000	5.44"	L800-8000, L900-9000 Series 70-75 Air Brakes to S.N. E11004W40000
TE11004	ES11004	Left	FD901 FD903	9,000	5.44"	L800-8000, L900-9000 Series 71-79 Hydraulic Brakes

## FREIGHTLINER

Table 15-12: Freightliner Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE11003	1006149	Right	EFA12F4	12,000	5.44"	
TE11004	1006148	Left			5.44"	
TE11001	A3144R226	Right		FE900	4.88"	
TE11002	A3144Q225	Left			4.88"	
TE11001	A3144R226	Right		FF901	4.88"	
TE11002	A3144Q225	Left			4.88"	
TE12001	A3144ID238	Left			5.75"	Anti-Tilt Type Seal
TE12002	A3144C237	Right			5.75"	Anti-Tilt Type Seal
TE12003	A3144K297	Right			5.75"	
TE12004	A3144J296	Left			5.75"	
TE11003	A3144ID524	Right	FF921		5.44"	
TE11004	A3144E525	Left			5.44"	
TE11003	A3144ID524	Right	FF931		5.44"	
TE11004	A3144E525	Left			5.44"	
TE11003	A3144ID524	Right	FF941		5.44"	
TE11004	A3144E525	Left			5.44"	
TE11001	A3144IR226	Right	FE970		4.88"	
TE11002	A3144Q225	Left			4.88"	

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE12003	A3144K297	Right	FH901	16,000	5.75"	
TE12004	A3144J296	Left			5.75"	
TE12011	A3144F448	Right	FL931		7.37"	
TE12012	A3144G449	Left			7.37"	
TE12003	A3144K297	Right	FL901	18,000	5.75"	
TE12004	A3144J296	Left			5.75"	
TE12011	A3144IF448	Right		FL931	7.37"	
TE12012	A31144G449	Left			7.37"	
TE12011	A3144IF448	Right		FL941	7.37"	
TE12012	A3144G449	Left			7.37"	

## KENWORTH

Table 15-13: Kenworth Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE11981	ES11981	Right	EF12F4 EFA12F4	12,000	8.12"	K100; W900 Drop End Socket
TE11982	ES11982	Left	EF12F4 EFA12F4	12,000	8.12"	K100; L700; W900 Drop End Socket
TE11987	ES11987	Left	E1200I	12,000	n/a	
TE11988	ES11988	Right	E1200I	12,000	n/a	
TE12001	ES12001	Right	E1200I FF901	12,000	5.75"	Anti-Tilt Seal - C-500; K100; W900
TE12002	ES12002	Left	E1200I FF901	12,000	5.75"	Anti-Tilt Seal - C-500; K100; W900
TE12003	ES12003	Right	E1200I FF901	12,000	5.75"	C-500; K100; W900
TE12004	ES12004	Left	FH901 FF901	12,000	5.75"	C-500; K100; W900
TE12011	ES12011	Right	EFA18F3 FL931 E1460I	14,600 16,000 18,000	7.37"	C-500; K100; W900
TE12012	ES12012	Left	EFA18F3 FL931 E1460I	14,600 16,000 18,000	7.37"	C-500; K100; W900

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE12937	ES12937	Right	EFA20F4	20,000	n/a	
TE12938	ES12938	Left	EFA20F4	20,000	n/a	

## PETERBILT

Table 15-14: Peterbilt Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE11981	ES11981	Right	EF12F4 EFA12F4	12,000	8.12"	320 Drop End Socket
TE11982	ES11982	Left	EF12F4 EFA12F4	12,000	8.12"	320 Drop End Socket
TE11987	ES11987	Left	E1200I	12,000	n/a	
TE11988	ES11988	Right	E1200I	12,000	n/a	
TE12001	ES12001	Right	E1200I FF901	12,000	5.75"	320
TE12002	ES12002	Left	E1200I FF901	12,000	5.75"	320
TE12003	ES12003	Right	E1200I FF901	12,000	5.75"	320
TE12004	ES12004	Left	FH901 FF901	12,000	5.75"	320
TE12011	ES12011	Right	EFA18F3 FL931 E1460I	14,600 16,000 18,000	7.37"	320
TE12012	ES12012	Left	EFA18F3 FL931 E1460I	14,600 16,000 18,000	7.37"	320
TE12937	ES12937	Right	EFA20F4	20,000	n/a	
TE12938	ES12938	Left	EFA20F4	20,000	n/a	

## MACK

Table 15-15: Mack Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE11023	ES11023	Right	FA(W)536	10,500	4.88"	Fine Thread
TE12007	ES12007	Right	FA(W)536	10,500 12,000 18,000	5.75"	Drag Link End Socket; use with tube stamped 39305; length measured center to end
TE12008	ES12008	Left	FA(W)537	10,500 12,000 18,000	5.75"	Drag Link End Socket; length measured center to end
TE12015	ES12015	Right	All	All	5.75"	Pinch Bolt Socket used on drag links with tight clearance
TE12039	ES12039	Right	FA(W)617	20,000	7.37"	
TE12040	ES12040	Left	FA(W)617	20,000	7.37"	

## NAVISTAR/ INTERNATIONAL

Table 15-16: Navistar/ International Tie Rod Ends

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE10001	ES10001	Right	FA215 FA218 FA219	12,000	4.88"	
TE10003	ES10003	Right	FF961	12,000	5.44"	S-Series & 9670
TE10004	ES10004	Left	FF961	12,000	5.44"	S-Series & 9670
TE11005	ES11005	Right	I-190	9,000	5.44"	S-Series Medium Duty Models
TE11007	ES11007	Right	FA109 I-190	9,000	9.18"	Loadstar & School bus models Fleetstar models Replaces 507836C91 from S.N. G297581
TE11008	ES11008	Left	FA109 I-190	9,000	9.18"	Loadstar & School bus models Fleetstar models Replaces 507836C91 from S.N. G297581
TE11037	ES11037	Right	FA109	9,000	6.68"	To S.N. G297581 (1970)



## OTHER APPLICATIONS

Table 15-17: Tie Rod Ends for Other Applications

PART NO.	INDUSTRY PART NO.	HEAD END	AXLE MODEL	CAPACITY	LENGTH	NOTES
TE11038	ES11038	Left	n/a	n/a	n/a	
TE11971	ES11971	Right	n/a	n/a	n/a	
TE11972	ES11972	Left	n/a	n/a	n/a	
TE12009	ES12009	Right	n/a	n/a	n/a	
TE12010	ES12010	Left	n/a	n/a	n/a	
TE12027	ES12027	Right	n/a	n/a	5.75"	Anti-Tilt Seal; Length measured from center to end
TE12035	ES12035	Right	n/a	n/a	5.75"	
TE12036	ES12036	Left	n/a	n/a	5.75"	
TE12935	ES12935	Right	n/a	n/a	n/a	
TE12936	ES12936	Left	n/a	n/a	n/a	
TE12969	ES12969	Right	FL931 FL941	n/a	12.69"	
TE12970	ES12970	Left	FL931 FL941	n/a	12.69"	
TE12973	ES12973	Right	n/a	n/a	5.75"	

*NOTES*

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

**NOTES**

A large rectangular area filled with a light blue grid pattern, intended for writing notes. The grid consists of small squares and covers most of the page's content area.



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