



## SPOKE WHEELS & SPOKE WHEEL ASSEMBLIES

**Spoke Wheel Assemblies - Come complete with:  
brake drum, bearing cup, spacer, clamps, studs and nuts.**

PART No.	WHEEL DIMENSIONS	BEARING CUPS		BRAKE SIZE	WEBB No.	COMMENTS
		INNER	OUTER			
<b>15 INCH SPOKE WHEEL With 12-1/4X7-1/2 Drum.</b>						
1133915	15 INCH 3 SPOKE	HM218210	HM212011	12 <sup>1</sup> / <sub>4</sub> X7 <sup>1</sup> / <sub>2</sub>	70159CCA	non-abs
1533915	15 INCH 3 SPOKE	HM218210	HM212011	12 <sup>1</sup> / <sub>4</sub> X7 <sup>1</sup> / <sub>2</sub>	70159CCAT	ABS
<b>20 INCH SPOKE WHEEL With 16-1/2X7 Drum.</b>						
1032765	20 INCH 5 SPOKE	653	HM212011	16 <sup>1</sup> / <sub>2</sub> X7	85203GCA	non-abs
1133849	20 INCH 5 SPOKE	HM218210	HM212011	16 <sup>1</sup> / <sub>2</sub> X7	75209GCA	non-abs
1533849	20 INCH 5 SPOKE	HM218210	HM212011	16 <sup>1</sup> / <sub>2</sub> X7	75209GCAT	ABS
1133851	20 INCH 5 SPOKE	HM518410	HM518410	16 <sup>1</sup> / <sub>2</sub> X7	5580ZHCA	non-abs
<b>22 INCH SPOKE WHEELS With 16-1/2X7 Drum.</b>						
5682ZHDA	22 INCH 6 SPOKE	HM518410	HM518410	16 <sup>1</sup> / <sub>2</sub> X7	5682ZHDA	non-abs
76229GCA	22 INCH 6 SPOKE	HM218210	HM212011	16 <sup>1</sup> / <sub>2</sub> X7	76229GCA	non-abs
76229GCAT	22 INCH 6 SPOKE	HM218210	HM212011	16 <sup>1</sup> / <sub>2</sub> X7	76229GCAT	ABS



**Spoke Wheels - Come with:  
bearing cup, spacer, clamps, studs and nuts.**

Part No.	Wheel Size & Description	Bearing Cups		Webb No.	Comments
		Inner	Outer		
<b>15 INCH SPOKE WHEEL</b>					
1011778	15 Inch 3 Spoke	653	HM212011	83153--A	non-abs
1011915	15 Inch 3 Spoke	HM218210	HM212011	70159--A	non-abs
<b>20 INCH SPOKE WHEEL</b>					
1031445	20 inch 5 spoke	653	HM212011	85203--A	non-abs
1011978	20 Inch 5 Spoke	HM218210	HM212011	75209--A	non-abs
1011982	20 Inch 5 Spoke	HM518410	HM518410	5580Z--A	non-abs
35607--A	20 Inch 6 Spoke	572	592A	35607--A	non-abs
<b>22 INCH SPOKE WHEELS</b>					
1033908	22 Inch 5 Spoke	653	HM212011	85223--A	non-abs
35627--A	22 Inch 6 Spoke	572	592A	35627--A	non-abs
5682Z--A	22 Inch 6 Spoke	HM518410	HM518410	5682Z--A	non-abs
76229--A	22 Inch 5 Spoke	HM218210	HM212011	76229--A	non-abs



**HUB AND DRUM ASSEMBLIES****Steel hubs with Inboard drums  
Double cap nuts for use with ball seat mount disc wheels**

Part No.	Brake Size Description	Bearing Cups		Webb No.	Comments
		Inner	Outer		
1013812	 12.25 x 7.5	HM218210	HM212011	10519CLMR	RH for steel wheels
1013813	 12.25 x 7.5	HM218210	HM212011	10519CLML	LH for steel wheels
12213BEAL-10	16.50 X 7.0	653	HM212011	same	LH for steel wheels
12213BEAR-10	16.50 X 7.0	653	HM212011	same	RH for steel wheels
8013812	12.25 x 7.5	HM218210	HM212011	KIC brand	RH for steel wheels
8013813	12.25 x 7.5	HM218210	HM212011	KIC brand	LH for steel wheels
1513812	12.25 x 7.5	HM218210	HM212011	10519CLMRT	RH ABS ready
1513813	12.25 x 7.5	HM218210	HM212011	10519CLMLT	LH ABS ready
8513812	12.25 x 7.5	HM218210	HM212011	KIC brand	RH ABS ready
8513813	12.25 x 7.5	HM218210	HM212011	KIC brand	LH ABS ready

**Steel hubs with Outboard drums  
Double cap nuts for use with ball seat mount disc wheels**

Part No.	Brake Size Description	Bearing Cups		Webb No.	Comments
		Inner	Outer		
1513824	 16.50 x 7.0	HM218210	HM212011	20231UQART-10	RH ABS for steel
1513825	 16.50 x 7.0	HM218210	HM212011	20231UQALT-10	LH ABS for steel
8513824	16.50 x 7.0	HM218210	HM212011	KIC brand	RH ABS for steel
8513825	16.50 x 7.0	HM218210	HM212011	KIC brand	LH ABS for steel

**Steel hubs with Outboard drums  
~Hub Pilot-Unimount~**

Part No.	Brake Size Description	Bearing Cups		Webb No.	Comments
		Inner	Outer		
1513819	 12.25 x 7.0	HM218210	HM212011	20271CW6T-10	8 hole ABS for Alum.
1513827	 16.50 x 7.0	HM218210	HM212011	20231UQ4T-10	ABS for steel
1513829	16.50 x 7.0	HM218210	HM212011	20231UQ6T-10	ABS for Aluminum
1513842	16.50 x 7.0	HM518410	HM518410	23431UQ4T-10	ABS for steel
1613842	16.50 x 7.0	HM518410	HM518410	23431UQGT-10	ABS for Aluminum
8013827	16.50 x 7.0	HM218210	HM212011	KIC brand	Unimount for steel
8513827	16.50 x 7.0	HM218210	HM212011	KIC brand	ABS for steel
8013829	16.50 x 7.0	HM218210	HM212011	KIC brand	Unimount for Alum.
8513829	16.50 x 7.0	HM218210	HM212011	KIC brand	ABS for Aluminum
8013842	16.50 x 7.0	HM518410	HM518410	KIC brand	Unimount for Steel
8513842	16.50 x 7.0	HM518410	HM518410	KIC brand	ABS for steel
9013819	12.25 x 7.5	HM218210	HM212011	KIC brand	8 hole for steel
9513819	12.25 x 7.5	HM218210	HM212011	KIC brand	8 hole ABS for steel



## HUBS, HUBS, AND MORE HUBS



### Ductile Iron hubs~Hub Pilot-Unimount~(includes cups)



Part No.	Brake Size Description	Bearings		Comments
		Inner	Outer	
1013808	16.50 x 7.5	HM218210	HM212011	10 hole for dual steel, ABS ready.
1013809	16.50 x 7.5	HM218210	HM212011	10 hole for dual aluminum, ABS ready.
1013810	16.50 x 7.5	HM518410	HM518410	10 hole for dual steel, ABS ready. (bolt-on h/c)
1013811	16.50 x 7.5	HM518410	HM518410	10 hole for dual alum., ABS ready. (bolt-on h/c)
20231--3T	16.50 x 7.5	HM218210	HM212011	10 hole for dual steel, ABS ready.
20231--5T	16.50 x 7.5	HM218210	HM212011	10 hole for dual aluminum, ABS ready.
20271--3T80	12.25 x 7.5	HM218210	HM212011	8 hole for dual steel, ABS ready.
20281--3T	16.50 x 7.5	HM218210	HM212011	8 hole for dual steel wheels, ABS ready
23231--3T	16.50 x 7.5	HM518410	HM518410	10 hole for dual steel, ABS ready. (screw-on h/c)
23231--5T	16.50 x 7.5	HM518410	HM518410	10 hole for dual aluminum, ABS ready.
23431--3T	16.50 x 7.5	HM518410	HM518410	10 hole for dual steel, ABS ready. (bolt-on h/c)
23431--5T	16.50 x 7.5	HM518410	HM518410	10 hole for dual aluminum, ABS ready.
26431--3T	16.50 x 7.5	592A	572	10 hole for dual steel, ABS ready.
26431--5T	16.50 x 7.5	592A	572	10 hole for dual aluminum, ABS ready.



### Ductile Iron hubs~Inboard~(includes cups)



Part No.	Brake Size Description	Bearing Cups		Comments
		Inner	Outer	
1013802	16.50 x 7.5	HM218210	HM212011	Webb hub # 1001
1013804	16.50 x 7.5	HM518410	HM518410	Webb hub # 1331

### Ductile Iron hubs~Outboard~(includes cups)



Part No.	Brake Size Description	Bearing Cups		Comments
		Inner	Outer	
1013803	16.50 x 7.5	HM218210	HM212011	Webb hub # 10209--N
1013805	16.50 x 7.5	HM518410	HM518410	Webb hub # 1320Z--N

### CONMET Aluminum hubs~Hub Pilot-Unimount~(includes cups)



Part No.	Brake Size Description	Bearing Cups		Comments
		Inner	Outer	
105776	16.50 x 7.5	HM218210	HM212011	10 hole for dual aluminum, ABS ready.
10001198	16.50 x 7.5	HM518410	HM518410	10 hole for dual aluminum, ABS ready.



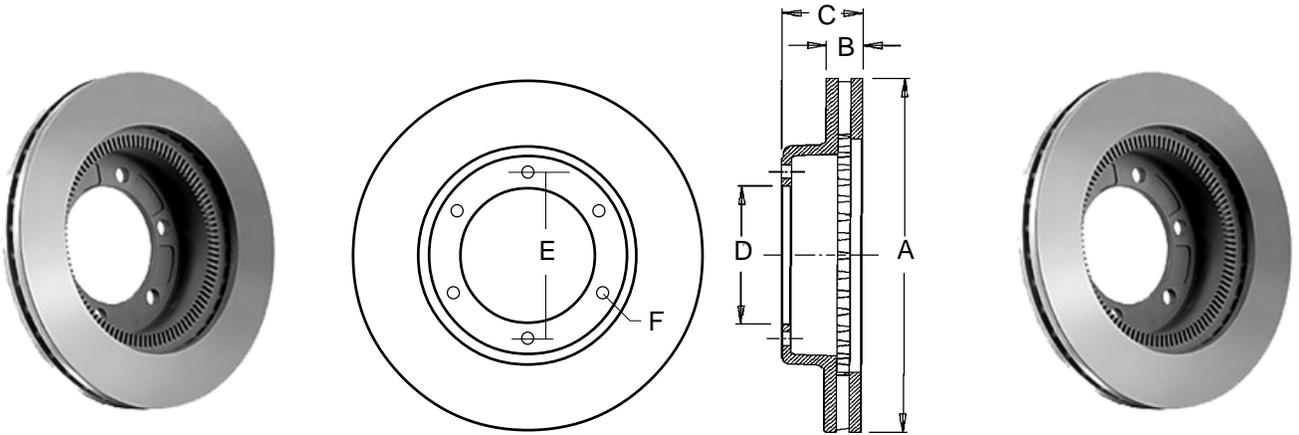
### Dura-Lite® Hubs ~ Hub Pilot-Unimount~(includes cups)

Part No.	Brake Size Description	Bearing Cups		Comments
		Inner	Outer	
10-20011-101	16.50 x 7.5	HM218210	HM212011	10 hole for dual aluminum, ABS ready.





**DISC BRAKE ROTORS**



Part No. (Interchange)	Lbs.	A	B	C	D	E	F	
		Overall Diameter	Thickness	Overall Depth	Pilot Diameter	Bolt Circle	Bolt Holes Number	Bolt Holes Size
23-122687-002 (54102P)	36	14.93	1.34	3.81	5.22	6.75	5	.66
23-122691-002 (54351P)	51	15.39	1.53	4.75	9.25	11.25	6	.78
23-123489-002 (54301F-ABS)	46	15.39	1.53	3.40	6.00	7.25	10	.59
23-123434-002	37	15.38	1.44	3.40	6.00	7.25	10	.59
23-123550-004 (54773P-65)	36	15.00	1.44	3.21	6.00	7.25	10	.59
23-123552-004 (54771P-65)	36	15.00	1.44	4.44	6.00	7.25	10	.59
23-123557-004 (54775P-65)	51	15.38	1.53	3.40	6.00	7.25	10	.59
23-123572-004 (54770P-65)	37	15.00	1.44	3.50	5.40	6.75	6	.78
23-123573-004 (54769P-65)	38	15.00	1.44	3.50	5.40	6.75	5	.78
E-11309(23-123458-002)	44	15.38	1.54	3.40	6.00	7.25	10	.66

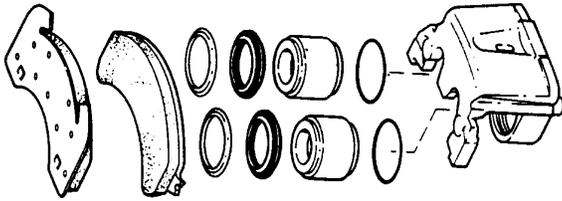


**BRAKE ROTOR APPLICATIONS**

Part No.	Application	Interchanges(B=Bendix, E=Euclid, G=Gunite, W=Webb)
23-122687-002	GMC/Chevrolet Front Axles	B=141271, E=E-4229, G=D6054, W=54102P
23-122691-002	Ford Front Axles - 1983 and Newer	B=141270, E=E-4228, G=n/a, W=54351P
23-123489-002	GMC/Chevrolet Front and Rear Axles	B=141272, E=E-4230, G=D6052, W=54301F-ABS
23-123434-002	Ford Front Axles	E=E-11307
23-123550-004	Coated - ABS	E=E-11470, G=D6176M, W=54773P-65
23-123552-004	Navistar	E=E-12523, G=D6183M, W=54771P-65
23-123557-004	10 hole ABS	E=E-12524, W=54775P-65
23-123572-004	Navistar	B=141475, E=E-6115, G=D6194AM, W=54770P-65
23-123573-004	15"	B=141476, E=E-6114, G=n/a, W=54769P-65
E-11309		Meritor 23-123458-002



**BRAKE CALIPERS**



Calipers are hydraulically activated devices in a disc brake system mounted straddling the brake rotor discs. The caliper contains at least one piston and two brake pads. Hydraulic pressure on the piston(s) forces the pads against the rotor.



NEW BENDIX CALIPERS	
Part No.	Description
055250	2.88 Caliper Assembly, Double Piston, Casting # 4150844
BENDIX CALIPER REPAIR KITS	
Part No.	Description
H5635	2.88 Disc Hardware Kit
H5664	Caliper Shim Kit
H8203	Repair Kit for Calipers

REMAN. LOADED BENDIX CALIPERS	
Part No.	Description
L55250PREM	L & R, Double Piston
L55251M	2.5", Double Piston
L55849PM	Double Piston
L55850PM	Double Piston

REMAN. LOADED HALDEX CALIPERS	
Part No.	Description
RH55250LLX	LH, 2.88 Twin
RH55250RLX	RH, 2.88 Twin
RH55251LX	Double Piston
REMAN HALDEX CALIPER	
RH55250SX	Reman Caliper, Double Piston, 2.88, incl hrdwr.
RH55251SX	Reman Caliper, Double Piston, 2.50, incl hrdwr.

**INTERCHANGES:**

- Bendix # 055250 = Eucid # E4238
- Bendix # L55250PREM = Eucid # E-4238X-VL
- Bendix # R55250 = Eucid # E4238X
- Bendix # R55251 = Eucid # E4244X
- Bendix # R55252 = Eucid # E4245X
- Bendix # R55849 = Eucid # E-11750-SL
- Bendix # R55850 = Eucid # E-11756-SL



REMAN BENDIX CALIPERS	
Part No.	Description
R55199	Reman Caliper, Single Piston, 3.38"
R55200	Reman Caliper, Single Piston, 3.38"
R55250	Reman Caliper, Double Piston, 2.88"
R55251	Reman Caliper, Double Piston, 2.50"
R55252	Reman Caliper, Double Piston, Casting # 0578
R55314	Reman Caliper, Double Piston, Casting # 4151733
R55849	Reman Caliper, Double Piston, Casting # 4153269
R55850	Reman Caliper, Double Piston, Casting # 4153222



## BENDIX DISC BRAKE PAD SETS



### PREMIUM OEM - Disc Brake Pads and Parts



*Don't take a chance on • Pad separation • Poor mileage*

- Disc Brakes Are Not Interchangeable Like Drum Brakes.•
- One set services one axle•

*Advanced engineering allows Formula Blue® medium-duty disc pads to provide higher levels of performance and cost-effectiveness.*

*The 109 series friction material applies to a wide range of Class 6 & 7 vehicles.*



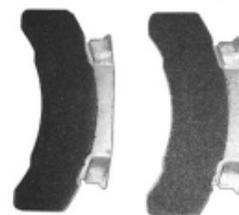
**Part No. E10901840**  
**(BD184BX108)**

GMC, Ford, International.  
'79-'03  
2.60 Bendix Calipers.



**Part No. E10902240**  
**(BD224BX108)**

**Part No. MK224PREM**  
GMC, Ford, International.  
'79-'03.  
2.50 Bendix Calipers.



**Part. No. MKD769PREM**  
Chevrolet, C4500 & C5500.  
'03-'05



**Part No. E10907860**  
**(BD786BX108)**

**Part No. MKD786**  
GMC, Ford, International.  
(multi-years)  
Bosch-Pin slider 73mm.



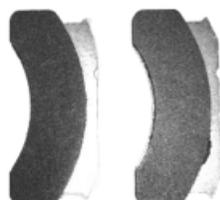
**Part. No. E10902250**  
**(BD225BX108)**

**Part No. MK225PREM**  
GMC, Ford, International.  
'90-'04  
2.88 Bendix Calipers.



**Part No. E10902360**  
**(BD236BX108)**

GMC, Ford, International.  
('84-'95)  
2.88 Bendix Calipers.



**Part No. E10907861**  
**(BD786ABX108)**

**Part No. MKD786**  
Bosch-Pin slider 66mm.





## BRAKE DRUM CROSS REFERENCE - WEBB NUMERICAL LISTING

We Use WEBB's Part No.	Mount I=Inboard O=Outboard	Brake Surface Diameter	Fleetcraft	Dayton	KIC	Gunite	Erie	Durametal	Aweco
60876F	O	16.5x7	1302404	120877	52877-11	3120		16729	97167
61527B	O	15x4		123366	53075-018	3721X			
61528B	O	15x4	1302429	123254	54201-108	3721A			
61780F	I	16.5x7		120754	51961-10	2577A	2762	16149	97086
61788F	O	15x4		120936	54203-01	3197		18788	
61991F	O	15x4			54270-018	3744X			
62117F	I	16.5x5		122266		3289		16289	97117
62200F	I	16.5x7		12582	52020-01	2705	2760	1629	97060
62240F	I	16.5x7		120574	52034-01	2730	2750-1	16325	97040
62670B	O	16.5x7							
62997F	I	16.5x7		122009	52890-11	2997	2772	16997	97789
63617F	I	12.25x7.5		122963	52743-11	3174	2752	12617	91147
63631F	I	12.25x7.5			53039-01	3557		1244	
63635F	I	12.25x7.5			53039-11	3557A			
63637F	I	12.25x7.5		122971	52511-01	3467		12637	
63647F	I	12.25x7.5		122963	54215-01			12617	
63680F	O	12.25x7.5			54244-01				
64050B	O	16.5x8.62			54220-018				
65152B	O	16.5x6		123399	54248-018	3687X			
65162B	O	16.5x6			54242-018				
65166B	O	16.5x6			54266-018	3893X			
65167B	O	16.5x6		122556	54225-018	3513X/3437X			
65514B	I	15x4		122104	54207-018	3057A/3760BX			
65541B	O	15x4		123312	52981-01	3158			
65545B	O	15x4		123382	54224-018	3726X			
65547B	O	15x4				3596			
65548B	O	15x4				3800X			
65554B	O	15x5		123448		3726			
65600B	O	16.5x6		123569	54233-018				
65651B	O	16.5x5			54275-018	2920X/3075			
65670B	O	16.5x7			54234-018	3889X			
65710B	O	16.5x5				3710			
66353F	O	16.5x7			54213-01	3647/3757			
66800F	O	16.5x8		replaces	66808B BTS Drum				
66807B	O	16.5x7		unimount	for brake turbine				
66814F	O	16.5x8.62		123428	54727-01				
66854F	O	16.5x8.62			54229-01	3807			
66864B	O	16.5x7	1302467	123207	53033-018	3600AX		16792B	
66864F	O	16.5x7	1302417	123207	53033-01	3600A		16792	
66865B	O	16.5x7		122948	54209-018	3441X			
66873F	O	16.5x7			54202-01	3402			
66875F	O	16.5x7			53033-30	3401A/3141B		16141	
66884B	O	16.5x7		123365	54261-018	3576X			
66884F	O	16.5x7		123207	53033-01				
66892F	O	16.5x7		122453	52878-01	3543	2769	16797	97165
66893F	O	16.5x7	1302407	122607	53026-01	3166	2764	16705	97164
66895B	O	16.5x7		122550	52705-30	2769/3141	2771	16794	97144
67518F	I	16.5x7	1302400	122222	52230-10	2353C	2738	16874	97018
68730F	I	16.5x7		122126	52327-10	3018A	2740-1	1639	97038
68765F	I	16.5x7		120586	52327-11	2546C	2740	16877	97853
68845F	O	16.5x5			54216-01	3595			
68891F	I	16.5x8.62		120882	52219-01	3383		16296	97191
68897F	I	16.5x7		122600	53032-30	2542	2765	97097	
68958F	I	16.5x8.62		122925	54264-01	3136B		16516	
68981B	I	16.5x7		122683	52120-12	3295	2770	16877	97853



**ALL OF THESE  
IN STOCK!  
And Even More!!!**



## WEBB BRAKE DRUMS



The life cycle of some wheel end manufacturers' products are measured in years. Webb wheel end equipment has been performing for decades. For nearly 60 years when someone in the truck, trailer and bus industries talks about drums, hubs, spoke wheels or rotors, they immediately say, "Webb." It's this history of trust and dependability that are built into every Webb product.

The secret behind Webb's industry leading products is in the engineering. Their products are proven, tested and true. Webb's staff of industry veterans keeps developing products to ensure peak performance for you.

### Cast Drums:

Webb brake drums are made from a high grade of cast iron for long service life and conform to SAE Recommended Practices. Webb's brake drums are continuously examined and refined through stringent testing for maximum performance and complete accountability. **With over 400 brake drums available** in sizes ranging from 12.25 x 6.00 to 18.00 x 8.00, Webb offers the broadest brake drum line and has become the industry standard for quality wheel end equipment.



## VORTEX



### Vortex Drum:

• **Part number 76864B**, a 16 ½ x 7 drum weighing 100 lbs. produced from standard gray iron metallurgy, is an alternative replacement drum for more expensive steel shelled or other lightweight drums used in rear and trailer applications.

- The patent-pending Webb VORTEX design profile with reinforcing center band and ribs results in a conventional gray iron brake drum that weighs less, but does not compromise the structural integrity, reliability, and braking capabilities expected in heavier drums.
- The advanced technology contour adds 15% to the surface area and conducts heat away from the brake surface for superior heat dissipation and maximum lining life.
- FMVSS 121 test results indicate that the Webb VORTEX runs 75° to 175° cooler than competitive drums, is structurally strong and has exceptional stopping performance.
- The Webb Vortex uses a standard 1/2" backing plate. When replacing existing drums in the field, ensure adequate wheel stud thread engagement. \*\*\*.



## ARVIN MERITOR STEELITE X30™ BRAKE DRUMS

### **ArvinMeritor** X30™ brake drums

- An exclusive one-piece steel shell eliminates weld seams and provides exceptional strength, durability and concentricity while reducing weight.
- SteelLite X30 brake drums are significantly lighter than standard full cast drums on a typical tandem axle tractor/trailer combination.
- No weld weights - patented "Machine-to-Balance process accurately and permanently balances the brake drums."
- Exclusive SpinCast casting process provides a high strength cast-iron braking surface that is much less vulnerable to disintegration in the event of breakage.

<u>Part Number</u>	<u>Interchange #'s</u>	<u>Brake Size</u>
53-123512-002	90089BK	15 x 4
53-123537-002	89996B	16.5 x 7
53-123542-002	89870BK	15 x 4
53-123564-002	87101B	16.5 x 7
53-123565-002	87156B	16.5 x 7
53-123566-002	88797B	16.5 x 7
53-123568-002	90660BK	15 x 4
53-123575-002	88870BK	15 x 4
53-123608-002	91265B	16.5 x 6



FMVSS-121 certification

## Performance Advantages:

- ~Exceptional strength, durability and concentricity for heavy, and medium-duty trucks, tractors and trailers.
- ~Lightweight design for increased payloads.
- ~Delivers reliability, inherent balance, weight reduction and lower lifetime operating cost.
- ~Superior alternative to any other lightweight brake drum.
- ~High strength cast-iron braking surface.
- ~Permanently fused gray iron liner.
- ~Exclusive one-piece shell.
- ~Machine-balanced without weld weights.

**ArvinMeritor**™



## MOTORWHEEL CENTRIFUSE® BRAKE DRUMS

With Motorwheel Centrifuse® brake drums, breakage is not an option. The superior quality drum construction ensures exceptional drum strength. Combine this with 40% better lining life and over 70 years of reliable service to the trucking industry, and you'll know only Centrifuse offers you the safety, low cost of operation and proven performance you require.

- Computer aligned mounting virtually eliminates runout.
- Permanently bonded steel shell provides proven resistance to heat cracks.
- Precision balanced to ensure a smooth ride.
- Patented alloy provides superior heat absorption, resulting in reduced fade & wear.



**MOTORWHEEL**  
COMMERCIAL VEHICLE SYSTEMS

### DRUM BACK/BAND NUMBER CROSS REFERENCE

In the process of manufacture, Centrifuse® brake drums are assigned three different part numbers - for the drum band, drum back and the drum itself (see illustration).

To avoid confusion and possible misapplication when ordering replacement drums, refer to the CENTRIFUSE® DRUM part number. This is for your convenience in matching drum back numbers to CENTRIFUSE® DRUM part numbers.

Location of Drum  
Band Part Number

Location of Drum  
Part Number

Location of Drum  
Back Part Number



Drum Part No.	Weight	Mount (B)	Brake Size	Over All Depth	Brake Surface Flat	Pilot Diameter	Bolt Circle Diameter	Bolt Holes No.	Bolt Holes Size	Drum Back No.	Drum Band No.
87945BK	64	O	15x4	8.83	4.40	8.53	11.25	10	1.25	87946	87949
88870BK	66	O	15x4	8.83	4.40	9.00	275mm	8	.92	88869	87949
89870BK	66	O	15x4	8.83	4.37	8.78	285.75mm	10	1.25	89869	87949
87101B	90	O	16.50x7	10.41	7.64	8.53	11.25	10	.81	87102	87105
87156B	90	O	16.50x7	10.41	7.64	9.00	11.25	10	.81	87157	87105
87295B	89	O	16.50x7	10.04	7.27	8.53	11.25	10	.81	87102	87298
88797B	90	O	16.50x7	10.41	7.64	9.00	275mm	8	.92	88798	87105
89996B	90	O	16.50x7	10.41	7.62	8.78	285.75mm	10	.96	89876	87105
87615B	103	O	16.50x8.625	12.15	9.38	8.53	11.25	10	.81	87102	87618
89467B	104	O	16.50x8.625	11.87	9.08	8.53	11.25	10	.81	87102	87618
89571B	106	O	16.50x8.625	12.15	9.36	9.00	275mm	8	.92	88798	87618
89877B	91	O	16.50x7	10.04	7.27	8.78	285.75mm	10	.96	91538	87298
90660BK	67	O	15x4	8.84	4.52	8.78	285.75mm	10	.96	91029	91028
91265B	88	O	16.5X6	9.62	6.68	8.78	285.75mm	10	1.25	91264	82798

I = Inboard Mounted Drums

O = Outboard Mounted Drums

**MOTORWHEEL**  
COMMERCIAL VEHICLE SYSTEMS



**WHEEL BEARINGS**

**TIMKEN®**



**Recommendations for lubrication and adjustment for buses, trucks and highway trailers.**

**GREASE**

Shading indicates the recommendation for the correct amount of grease in wheel hub. Fill hub with grease to inside diameter of outer races and also fill hub grease cap.

**SUGGESTED GREASE PROPERTIES**

Soap Type - Lithium Complex or Equivalent  
 Dropping Point - 446° F (230° C) Minimum  
 Consistency - NLGI No. 2 or No. 1  
 Additives - Corrosion & Oxidation Inhibitors, EP Optional  
 Base Oil - Solvent refined Petroleum Oil  
 ..... **TRUCKS & BUSES**  
 Base Oil Viscosity at 104° F (40° C) ... 150cST Minimum  
 Viscosity Index ..... 80 Minimum  
 Pour Point ..... +14°F (-10°C) Maximum

**WARNING**

Failure to correctly lubricate bearing and maintain proper lubrication may result in bearing damage, which could cause wheel to lock or come off during operation.

*Note: The above grease properties are suggested for all wheel bearing applications including disc brake equipped vehicles where high temperatures might be experienced. Similar greases with lower maximum temperature capabilities, like lithium 12-hydroxy stearate, are suitable for non-disc brake equipped vehicles or where occasional temperature peaks do not exceed 320° F (160° C) and where frequent temperature peaks do not exceed 248F°(130 C).*

**LUBRICATION**

**OIL**

Oils generally recommended are:

**A. Gear Oil API GL-5 Performance Level**

SAE 90	Normally Preferred
SAE 75W, SAE 80W	Extreme Cold Environment
SAE 140	Extreme Warm Environment

**B. Engine Oil**

SAE 50	Normally Preferred
SAE 30, SAE 40	Extreme Cold Environment

**Note:** Do not mix motor oil with EP gear oil, due to possible problems of incompatibility.

Grease bearing cone by machine or by hand method. Force grease between rollers, cone and cage.

**TIMKEN BEARING MILEMATE® SETS**

**TIMKEN® MILEMATE™**

**TIMKEN®**

<u>Part No.</u>	<u>Description</u>
SET401T	Milemate Bearing Set 580/572
SET402T	Milemate Bearing Set 582/572
SET403T	Milemate Bearing Set 594A/592A
SET405T	Milemate Bearing Set 663/653
SET406T	Milemate Bearing Set 3782/3720
SET407T	Milemate Bearing Set 28682/28622
SET408T	Milemate Bearing Set 39590/39520
SET409T	Milemate Bearing Set 45280/45220
SET411T	Milemate Bearing Set 47686/47620
SET412T	Milemate Bearing Set HM212047/HM212011
SET413T	Milemate Bearing Set HM212049/HM212011
SET414T	Milemate Bearing Set HM218248/HM218210
SET415T	Milemate Bearing Set HM518445/HM518410
SET419T	Milemate Bearing Set H715343/H715311
SET420T	Milemate Bearing Set H715345/H715311
SET423T	Milemate Bearing Set 6461A/6420
SET424T	Milemate Bearing Set 555S/552A
SET425T	Milemate Bearing Set 567/563
SET426T	Milemate Bearing Set 47679/47620

**TIMKEN®**

A MileMate™ set is a Timken® matched cup and cone conveniently packaged in a single box. The company began selling the smaller automotive sizes as sets many years ago and now they are available for the most popular heavy-duty truck tapered roller bearings.





**WHEEL BEARINGS**



<u>Part No.</u>	<u>Description</u>
572	Bearing Cup
580	Bearing Cone
592A	Bearing Cup
594A	Bearing Cone
653	Bearing Cup
663	Bearing Cone
63062RS	Pilot Bearing
HM212011	Bearing Cup
HM212049	Bearing Cone
HM218210	Bearing Cup
HM218248	Bearing Cone
HM518410	Bearing Cup
HM518445	Bearing Cone



**STEMCO SETS:**

<u>Part No.</u>	<u>Description</u>
ASET049-011	Bearing Set HM212011/HM212049
ASET248-210	Bearing Set HM218210/HM218248
ASET445-410	Bearing Set HM518410/HM518445
ASET580-72	Bearing Set K580 / K572
ASET594A-92A	Bearing Set K594A / K592A

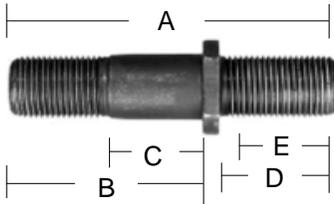


<u>Part No.</u>	<u>Description</u>
02420T	Bearing Cup
14125AT	Bearing Cone
15123T	Bearing Cup
25520T	Bearing Cup
28622T	Bearing Cup
3720T	Bearing Cup
382AT	Bearing Cup
39520T	Bearing Cup
45220T	Bearing Cup
47620T	Bearing Cup
47686T	Bearing Cone
555ST	Bearing Cone
567T	Bearing Cone
575T	Bearing Cone
582T	Bearing Cone
593T	Bearing Cone
594T	Bearing Cone
6420T	Bearing Cup
653T	Bearing Cup
665AT	Bearing Cone
HM212011T	Bearing Cup
HM212047T	Bearing Cone
HM218210T	Bearing Cup
HH506310T	Bearing Cup
HM516410T	Bearing Cup
HM518410T	Bearing Cup
L68111T	Bearing Cup
LM67010T	Bearing Cup

<u>Part No.</u>	<u>Description</u>
02475T	Bearing Cone
14276T	Bearing Cup
15245T	Bearing Cup
25580T	Bearing Cup
28682T	Bearing Cone
3782T	Bearing Cone
387AT	Bearing Cone
39590T	Bearing Cone
45280T	Bearing Cone
47679T	Bearing Cone
552AT	Bearing Cup
563T	Bearing Cup
572T	Bearing Cup
580T	Bearing Cone
592AT	Bearing Cup
594AT	Bearing Cone
598AT	Bearing Cone
6461AT	Bearing Cone
663T	Bearing Cone
T119	Thrust Bearing
HM212049T	Bearing Cone
HM212049XT	Bearing Cone
HM218248T	Bearing Cone
HH506348T	Bearing Cone
HM516449CT	Bearing Cone
HM518445T	Bearing Cone
L68149T	Bearing Cone
LM67048T	Bearing Cone

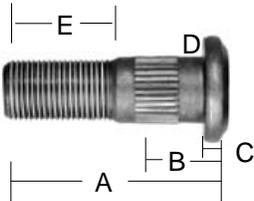


**WHEEL ATTACHING PARTS - STUDS**



**CLIPPED COLLAR SHOULDER STUDS .783 - .786 Body Diameter  
3/4"-16 Threads Both Ends**

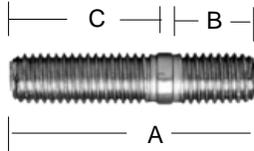
Part No.		REPLACES						
RH	LH	RH	LH	A	B	C	D	E
E-5559R	E-5559L	M50	M51	3 <sup>23</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	1 <sup>11</sup> / <sub>32</sub>	1 <sup>5</sup> / <sub>32</sub>
E-5561R	E-5561L	Webb 139902	Webb 139913	3 <sup>31</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>32</sub>	1 <sup>11</sup> / <sub>32</sub>	1 <sup>5</sup> / <sub>32</sub>
E-5560R	E-5560L	M54	M55	4 <sup>1</sup> / <sub>32</sub>	2 <sup>1</sup> / <sub>2</sub>	1 <sup>9</sup> / <sub>32</sub>	1 <sup>11</sup> / <sub>32</sub>	1 <sup>5</sup> / <sub>32</sub>



**SERRATED WHEEL STUDS .783 - .786 Body Diameter  
3/4"-16 Thread**

Part No.		REPLACES						
RH	LH	RH	LH	A	B	C	D	E
E-4966R	E-4966L	M76	M77	2 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>
E-4967R	E-4967L	M78	M79	2 <sup>7</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>
E-4968R	E-4968L	M80	M81	2 <sup>7</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>
E-4969R	E-4969L	M82	M83	3 <sup>1</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	9 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>
E-8949R	E-8949L	13-1585R	13-1585R	2 <sup>19</sup> / <sub>32</sub>	--	--	--	--
E-8979R	E-8979L	--	--	3 <sup>11</sup> / <sub>32</sub>	--	--	--	--

**SPOKE WHEEL STUDS**



Part No.	REPLACES	Thread	A	B	C
E-4958	Dayton 08-006654 Webb 161127	5/8-11	2 <sup>3</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>8</sub>	1 <sup>11</sup> / <sub>16</sub>
NL5102	E4956A, M39 Webb 171027	3/4-10	3	1 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>

**FLANGED CAP NUTS**

**DUAL STEEL WHEELS / STEEL INNER AND ALUMINUM OUTER**



Part No.		REPLACES		Outer	Inner	OA	Application
RH	LH	RH	LH	Thread	Thread	Length	
NL5500	NL5501	M128	M129	1 <sup>1</sup> / <sub>8</sub> -16	3 <sup>3</sup> / <sub>4</sub> -16	2 <sup>7</sup> / <sub>32</sub>	Dual steel wheels
Grade 8 Zinc Yellow Dichromate		E7895R	E7895L				
		13-3005R	13-3005L				
NL5502	NL5503	M130	M131	1 <sup>1</sup> / <sub>8</sub> -16	3 <sup>3</sup> / <sub>4</sub> -16	2 <sup>9</sup> / <sub>16</sub>	Steel inner alum outer wheels
Grade 8		E7896R	E7896L				
		13-3008R	13-3008L				
E-7897R	E-7897L	M132	M133	1 <sup>1</sup> / <sub>8</sub> -16	3 <sup>3</sup> / <sub>4</sub> -16	3 <sup>1</sup> / <sub>16</sub>	Steel inner alum outer wheels
Grade 8		E7897R	E7897L				



**DUAL ALUMINUM WHEELS**

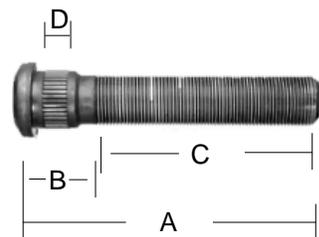


Part No.		REPLACES		Outer	Inner	OA	Application
RH	LH	RH	LH	Thread	Thread	Length	
NL5532	NL5533	E5988R	E5988L	1-1/8-16	3/4-16	3-1/16	Dual Alum Wheels
Grade 8		M2400	M2401				

These also available in Euclid Brand.

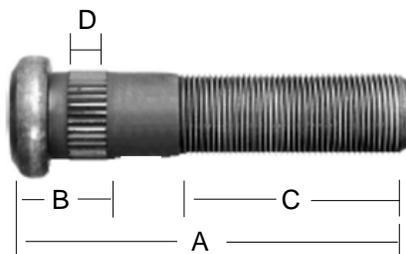


**WHEEL ATTACHING PARTS - METRIC STUDS**



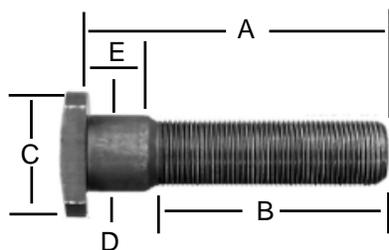
**METRIC SERRATED STUDS .973 - .977 Body Diameter  
M22 X 1.5 Threads**

Part No.	REPLACES	A	B	C	D
NL5106	Webb 101162	3 <sup>15</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>32</sub>	2 <sup>11</sup> / <sub>16</sub>	3/ <sub>8</sub>
NL5107	Webb 101160	4 <sup>25</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>32</sub>	3 <sup>17</sup> / <sub>32</sub>	3/ <sub>8</sub>



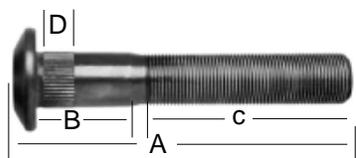
**METRIC SERRATED STUDS .973 - .977 Body Diameter  
M22 X 1.5 Threads**

Part No.	REPLACES	A	B	C	D
E-5997	Budd 106216	3 <sup>21</sup> / <sub>32</sub>	1 <sup>7</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>32</sub>
E-5999	Budd 106397	4 <sup>29</sup> / <sub>64</sub>	1 <sup>7</sup> / <sub>32</sub>	2 <sup>29</sup> / <sub>32</sub>	1 <sup>3</sup> / <sub>32</sub>



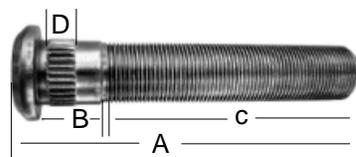
**CLIPPED HEAD METRIC WHEEL STUDS  
NON-SERRATED, M22X1.5 THREAD, Grade 8  
For Hub-Piloted Motor Wheel WHD-8 System  
M22 X 1.5 Threads**

Part No.	REPLACES	A	B	C	D	E	Application
88836	MW 88836	3.58	2.51	1.62	.98	.85	Dual Steel Wheels



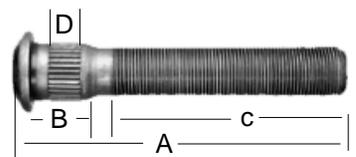
**METRIC SINGLE ENDED STUD - M22 X 1.5 Threads  
Round Head Serrated Type - Metric**

Part No.	REPLACES	A	B	C	D
E-10221	Conmet 102242	5 <sup>11</sup> / <sub>32</sub>	1 <sup>9</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>16</sub>	1/ <sub>2</sub>



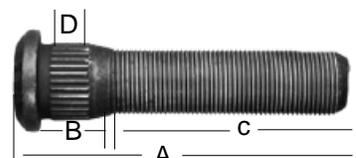
**METRIC SINGLE ENDED STUD - M22 X 1.5 Threads  
Round Head Serrated Type - Metric**

Part No.	REPLACES	A	B	C	D
E-11715	Paccar 618	4 <sup>25</sup> / <sub>32</sub>	7/ <sub>8</sub>	3 <sup>27</sup> / <sub>32</sub>	3/ <sub>8</sub>



**METRIC SINGLE ENDED STUD - M22 X 1.5 Threads  
Round Head Serrated Type - Metric**

Part No.	REPLACES	A	B	C	D
E-8980	Gunite W1160	5 <sup>3</sup> / <sub>32</sub>	7/ <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	1/ <sub>2</sub>



**METRIC SINGLE ENDED STUD - M22 X 1.5 Threads  
Round Head Serrated Type - Metric**

Part No.	REPLACES	A	B	C	D
E-8981	Gunite W1164	4	7/ <sub>8</sub>	2 <sup>29</sup> / <sub>32</sub>	1/ <sub>2</sub>



**METRIC SINGLE ENDED STUD - M22 X 1.5 Threads  
Round Head Serrated Type - Metric**

Part No.	REPLACES	A	B	C	D
E-9837	Various	3 <sup>23</sup> / <sub>32</sub>	7/ <sub>8</sub>	2 <sup>9</sup> / <sub>16</sub>	3/ <sub>8</sub>



## WHEEL ATTACHING PARTS - NUTS

### CAP NUTS FOR SINGLE AND DUAL DISC WHEELS



Part No.		REPLACES		Thread	Hex	Height	Application
RH	LH	RH	LH				
NL5512	NL5513	E5977R Webb 178910 M126	E5977L Webb 178921 M127	1 <sup>1</sup> / <sub>8</sub> -16	1 <sup>1</sup> / <sub>2</sub>	<sup>7</sup> / <sub>8</sub>	Standard Outer Dual
NL5510	NL5511	E5652R M124 Webb 178736	E5652L M125I Webb 178737	<sup>3</sup> / <sub>4</sub> -16	1 <sup>1</sup> / <sub>2</sub>	<sup>7</sup> / <sub>8</sub>	Standard Single Wheel

These also available in Euclid Brand.



### FLANGED NUTS FOR HUB PILOTED WHEELS



Part No.	REPLACES	Thread	Hex	High	Application
106333	E-6000A	M22X1.5	33mm (1.44")	31mm (1.38")	For Budd Uni-Mount 10
88881	E5991 Webb 179955	M22X1.5	1.50" (36mm)	1.33" (29 mm)	For Motor Wheel WHD-8 Hub-Piloted Wheels

### RIM NUTS FOR SPOKE WHEELS

Part No.	REPLACES				Thread	Hex
	Dayton	Euclid	Gunite	Webb		
NL5400	08-005149	E4962	WP-2	74611	<sup>5</sup> / <sub>8</sub> -11	1- <sup>1</sup> / <sub>16</sub>
NL5401	08-005716	E4963	WP-148	74710	<sup>3</sup> / <sub>4</sub> -10	1- <sup>1</sup> / <sub>4</sub>

## NUT SOCKETS

#### Deep Length Impact Sockets - Metric

**Part No. 30356**

Description: 6 point,  
3/4" Drive, 33 mm deep



**Part No. 30366**

Description: 6 point,  
1" Drive, 33 mm deep

**Part No. 30121**

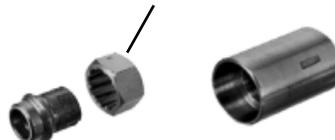
Description: 6 point, 3/4" Drive  
1-1/2" x 3/16" square



#### RIB NUT INNER NUT REMOVER

Quickly and easily removes inner nuts that have stripped ends. Use with 1- 1/2 inch impact socket.

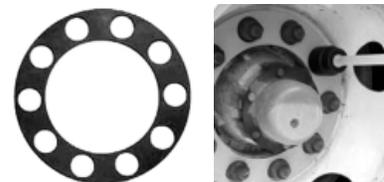
**Part No. E-5206**



#### PROTECTIVE COVER

Prevents damage to chrome and aluminum rims and wheels when removing or replacing lug nuts. Imprinted with torque sequence number for proper torquing of disc wheels.

**Part No. 30605**



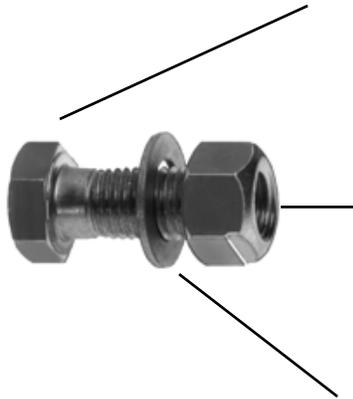


**WHEEL ATTACHING PARTS**

**BRAKE DRUM BOLTS**

Grade 8

Part No.	REPLACES	Thread	Length Under Head
NL5441	M2454	5/8-18	2
NL5442	Dayton 08-201500	3/4-16	2



**LOCK NUTS FOR BRAKE DRUMS**

Plated, Grade 8

Part No.	REPLACES	Thread	Height
NL5412	M2457	5/8-18	9/16
NL5413	M2459	3/4-16	5/8

**USS FLAT WASHERS - GRADE 8**

SAE Standard Grade 8, Plated

Part No.	REPLACES	Size Diameter	O.D.
NL5480	Dayton 08-201941	5/8	1 5/16
NL5481	E2545	3/4	1 1/2

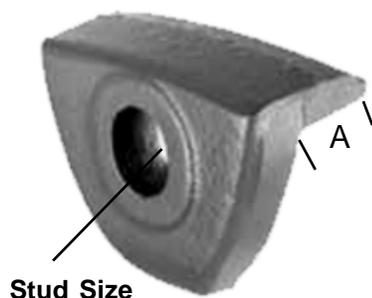
**DRUM BOLT KITS**

Drum bolt kits contain five grade 8 bolts, nuts and washers.

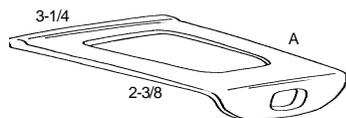
Kit Part No.	Thread	Bolt Length Under Head
NL5491(E5972)	3/4-16 UNF	2"
NL5492(E5971)	3/4-10 UNC	2"



**RIM CLAMPS**



Part No.	Interchange	"A"	Stud Size	Spacer Width
NL5006	E5571A, M3 Webb 16123	1 1/8	3/4	4
NL5008	E5784A, M1123	1 1/4	3/4	4
NL5011	E5040, M8	1 1/2	3/4	3 5/8
NL5015	E5572A, M4	1 3/4	3/4	3 3/8



Part No.	Manufacturer	"A"	Stud Size
3350	E-5976	5 3/4	3/4

Used to install single duplex demountable rim in place of dual wheels.



## MATCHING OF TUBELESS AND TUBE TYPE RIMS TO TIRES BY MOTORWHEEL

### Matching of Tubeless and Tube-Type Rims to Tires

The chart as shown below shall be used to properly match wheels / rims to a specified tire. It is applicable to only those tires used on trucks, buses, or trailers in normal highway service. The information provided was obtained from the 2008 Tire and Rim Association Yearbook. This chart shows the approved rim WIDTHS, not approved rim CONTOURS.

Approved Tire Size <sup>(1)</sup>	Design Rim Width	Approved Rim Widths	Tire Section Width	Minimum Dual Spacing	Tubeless	Tube-Type	Wide Base
7.50*15TR	6.00	5.50, 6.00, 6.50	8.45	9.60		x	
8.25*15TR	6.50	6.00, 6.50, 7.00	9.30	10.60		x	
9.00*15TR	7.00	6.50, 7.00, 7.50	10.20	11.60		x	
10.00*15TR	7.50	7.00, 7.50, 8.00	10.95	12.50		x	
11.00*15TR	8.00	7.50, 8.00, 8.50	11.55	13.20		x	
7.50*20	6.00	5.50, 6.00, 6.50	8.45	9.60		x	
8.25*20	6.50	6.00, 6.50, 7.00	9.30	10.60		x	
9.00*20	7.00	6.50, 7.00, 7.50	10.20	11.60		x	
10.00*20, 10.00*22	7.50	7.00, 7.50, 8.00	10.95	12.50		x	
11.0*20, 11*22, 11*24	8.00	7.50, 8.00, 8.50	11.55	13.20		x	
12.00*20, 12.00*24	8.50	8.00, 8.50, 9.00	12.40	14.10		x	
13.00*20 <sup>(2)</sup>	9.00	9.0, 10.00	13.40	16.20		x	
14.00*20, 14.00*24 <sup>(2)</sup>	10.00	10.00	14.75	17.70		x	
365/85R20	10.50	10.00	14.25	N/A		x	
395/85R20	11.00	10.00	15.59	N/A		x	
9R17.5HC	6.75	6.75HC	9.00	10.30	x		
10R17.5HC	7.50	6.75HC, 7.50HC	10.00	11.40	x		
8*19.5, 8*22.5	6.00	5.25, 6.00, 6.75	8.00	9.10	x		
9*22.5	6.75	6.00, 6.75, 7.50	9.00	10.30	x		
10*22.5	7.50	6.75, 7.50	10.00	11.40	x		
11*22.5, 11*24.5	8.25	7.50, 8.25	11.00	12.50	x		
12*22.5, 12*24.5	9.00	8.25, 9.00	11.80	13.50	x		
225/70R19.5	6.75	6.00, 6.75	8.90	10.00	x		
245/70R19.5	7.50	6.75, 7.50	9.76	10.98	x		
265/70R19.5	7.50	7.50, 8.25	10.31	11.61	x		
235/80R22.5	6.75	6.75, 7.50	9.17	10.31	x		
245/75R22.5	7.50	6.75, 7.50	9.76	10.98	x		
255/70R22.5	7.50	7.50, 8.25	10.04	11.30	x		
255/80R22.5	7.50	7.50, 8.25	10.04	11.30	x		
265/75R22.5	7.50	7.50, 8.25	10.31	11.61	x		
275/80R22.5	8.25	7.50, 8.25	10.87	12.24	x		
295/60R22.5	9.00	8.25, 9.00	11.50	N/A	x		
295/75R22.5	9.00	8.25, 9.00	11.73	13.19	x		
305/75R22.5	9.00	8.25, 9.00	12.01	13.50	x		
305/85R22.5	9.00	8.25, 9.00	12.01	13.50	x		
315/80R22.5	9.00	9.00, 9.75	12.28	13.82	x		
335/65R22.5	9.75	9.00, 9.75, 10.00	13.15	N/A	x		
275/80R24.5	8.25	7.50, 8.25	10.87	12.24	x		
285/75R24.5	8.25	8.25	11.14	12.52	x		
15*22.5	11.75	11.75, 12.25	15.30	N/A			x
18*22.5	14.00	13.00, 14.00	18.00	N/A			x
385/65R22.5	11.75	11.75, 12.25	15.31	N/A			x
425/65R22.5	12.25	11.75, 12.25, 13.00	16.61	N/A			x
445/50R22.5	14.00	14.00	17.52	N/A			x
445/65R22.5	13.00	12.25, 13.00, 14.00	17.48	N/A			x
455/55R22.5	14.00	14.00	17.80	N/A			x

For additional sources of information or on tire sizes not shown you may refer to the T&RA, ETRTO, or tire manufacturer manuals.

The tire section width and minimum dual spacing values shown are based upon the specified design rim width. For the other rim contours, the tire section width and minimum dual spacing will change by 0.1" for each 1/2" change in rim width.

When chains are used on tires, additional spacing beyond the minimum dual spacing values shown may be required.

(1) An "\*" in the tire size denotes both radial and bias tires are available while an "R" denotes radial tires only.

(2) For 13.00\*20, 14.00\*20, and 14.00\*24 tires: These tires have restricted speed usage.

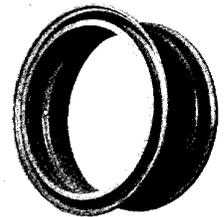
Refer to the T&RA Yearbook for tires used on special bus, mobile home, or mining / logging applications.

**ALUMINUM WHEELS****ACCURIDE 15° Tubeless Aluminum Wheels****Hub-Piloted Dual-Mounting****Two Piece Flange Nut****10-Hole, 285.75mm Bolt Circle, 220mm Bore****ACCURIDE**  
WHEELS

Wheel Size	Part No.	Polish Option (Typical Application)	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs.) - (psi)
22.5 x 8.25	29644ANP	Machined	6.59"	.935"	TR545D	47	7250 - 120
	29644AIP	Inside (Outer Dual)					
	29644AOP	Outside (Front)					
24.5 x 8.25	29362ANP	Machined	6.59"	.935"	TR545D	55	7300 - 120
	29362AIP	Inside (Outer Dual)					
	29362AOP	Outside (Front)					

**STEEL RIMS****TUBELESS DEMOUNTABLE RIMS  
FOR CAST SPOKE WHEELS ("Dayton-Style")****ACCURIDE**  
WHEELS

Rim Size Dia.(In)	Width (In)	Offset	Part No.	Color	Max Weight (lbs.)	Max Load (lbs.)	Inflation (PSI)
17.5	6.75	3.90	31868175PW	White	46	4805	120
22.5	8.25	4.75	30391225PG	Gray	69	7300	120
22.5	8.25	4.75	30391225PW	White	69	7300	120
24.5	8.25	4.75	30391245PW	White	75	7300	120

**LIGHT TRUCK WHEELS**

**Part No. 29576PG**  
Stud-Piloted  
Single-Mounting  
Ford ¾ Ton Typical.  
60° Cone Nuts.  
16x6  
8-Hole.  
6½" Bolt Circle.  
4.88" Bore.  
4 hand hole  
NWRA No. X45453



**Part No. 29583PG**  
Hub-Piloted  
Dual-Mounting  
Ford F-Super Duty.  
Ford Swiveling Lug Nut.  
16x6  
8-Hole.  
170mm Bolt Circle.  
125.10mm Bore.  
4 hand hole  
NWRA No. X45463



**Part No. 29584PG**  
Hub-Piloted  
Dual-Mounting  
Ford F-Super Duty, F450.  
Ford Swiveling Lug Nut.  
19.5x6  
8-Hole.  
225mm Bolt Circle.  
170.10mm Bore.  
4 hand hole  
NWRA No. X45464



**Part No. 29587PG**  
Hub-Piloted  
Dual-Mounting  
3/4, 1Ton, Chev/GMC.  
Clamping Nut Plate  
w/90° cone.  
16x6, 8-Hole.  
6½" Bolt Circle.  
4.56" Bore.  
4 hand hole  
NWRA No. X45467



**Part No. 29588PG**  
Hub-Piloted  
Dual-Mounting  
3/4, 1Ton, Chev/GMC.  
GM Swiveling Lug Nut.  
16x6.5  
8-Hole.  
6½" Bolt Circle.  
4.60" Bore.  
4 hand hole  
NWRA No. X45477



**STEEL WHEELS - ACCURIDE**

**ACCURIDE**  
WHEELS

**10 HOLE TUBELESS DISC WHEELS FOR DCN (DOUBLE CAP NUT)  
STUD PILOTED MOUNTING ("Budd-Style")**

11.25 inch diameter Bolt Circle, 8.72 inch Bore. \*(Except 28112 = 8.75 Bolt Circle and 6.50 Bore)

Size Dia.(In)	Width (In)	Disc Thick-ness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
17.5	6.75	.420	6.19	28112PG*	Gray	2	58	5070	125
				28112PW*	White				
22.5	8.25	.472	6.62	27404PG	Gray	2	81	7300	120
				27404PW	White				
24.5	8.25	.472	6.62	27406PG	Gray	2	90	7300	120
				27406PW	White				



**ACCURIDE**  
WHEELS

**10 HOLE TUBELESS DISC WHEELS FOR CLN (CONE LOCK NUT)  
HUB PILOTED MOUNTING**

285.75MM diameter bolt circle, 220MM (8.661 inch) center hole

**Accu-Lite™ Steel Wheels**  
Raising the Standard, Lowering the Weight

Size Dia.(In)	Width (In)	Disc Thick-ness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
22.5	8.25	.437"	6.60	50408PG	Gray	2	70	7400	120
22.5	8.25	.437"	6.60	50408PW	White	2	70	7400	120
22.5	8.25	.437"	6.60	50487PW	White	5	68	7400	120
24.5	8.25	.437"	6.62	28409PW	White	2	86	7400	120
<b>HEAVY LOAD APPLICATIONS</b>									
22.5	9.00	.500"	5.25	29039PW	White	5	103	10000	130
22.5	9.00	.625"	7.00	29300PW	White	5	108	9000	130



**ACCURIDE**  
WHEELS

**8 HOLE TUBELESS STEEL WHEELS FOR TWO PIECE FLANGE NUT  
HUB-PILOTED MOUNTING**

275MM diameter bolt circle, 221MM bore.

Size Dia.(In)	Width (In)	Disc Thick-ness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
17.5	6.75	.437"	5.60"	28656PW	White	4	54	5355	125
19.5	6.75	.437"	5.60"	28680PG	Gray	4	61	5000	120
22.5	8.25	.472"	6.62"	28484PW	White	4	84	7300	120



**STEEL WHEELS - HAYES LEMMERZ**
**10 HOLE TUBE-TYPE DISC WHEELS FOR DCN (DOUBLE CAP NUT)  
STUD PILOTED MOUNTING**

11.25 inch diameter bolt circle, 8.735 inch center hole.



Size Dia.(In)	Width (In)	Disc Thickness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
22.5	8.25	.425	6.62	87905E	White	2	78	7400	120
24.5	8.25	.432	6.62	87897E	White	2	86	7400	120


**10 HOLE TUBE-TYPE DISC WHEELS FOR CLN (CONE LOCK NUT)  
HUB PILOTED MOUNTING**

11.25 inch diameter bolt circle, 8.661 inch center hole.



Size Dia.(In)	Width (In)	Disc Thickness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
22.5	8.25	.425	6.62	90541E	White	2	78	7400	120
24.5	8.25	.432	6.62	90542E	White	2	86	7400	120


**8 HOLE TUBELESS DISC WHEELS FOR CLN (CONE LOCK NUT)  
HUB PILOTED MOUNTING**

275MM diameter bolt circle, 221.1MM (8.701 inch) center hole



Size Dia.(In)	Width (In)	Disc Thickness (In)	Offset	Part No.	Color	Hand Holes	Weight (lbs.)	Max Load (lbs.)	Max Inflation (PSI)
17.5	6.75	.438	5.60	10013TW	White	4	65	6500	125
17.5	6.75	.374	-.31"	91816EBK	Black	0	49	4805	125

The 91816EBK has 8 holes on 6.5" bolt circles



**HUB PILOT DISC WHEEL**

**Part Number**  
**1010406WH**

**Description**  
22.5 x 8.25 hub pilot disc wheel.  
10 hole. 2 hand holes. Weight = 82 lbs.  
Offset 168 mm (6.614 inches) Max. load is 7400 lbs.



**CHANNEL SPACERS - WHEEL SPACERS**

Tubeless Rims:

For 17.5" diameter rims,  
use 15" diameter spacer bands.

Size (In)	Part No.
15X4	1013329
20X3 <sup>3</sup> / <sub>8</sub>	1013331
20X3 <sup>5</sup> / <sub>8</sub>	1013333
20X4	1013334
20X4 <sup>1</sup> / <sub>4</sub>	1013335

Size (In)	Part No.
20X4 <sup>1</sup> / <sub>2</sub>	1013340
22X4	1013336
22X4 <sup>1</sup> / <sub>4</sub>	1013337
22X4 <sup>1</sup> / <sub>2</sub>	1013338
22X3 <sup>5</sup> / <sub>8</sub>	1013339

For 22.5" diameter rims,  
use 20" diameter spacer bands.

For 24.5" diameter rims,  
use 22" diameter spacer bands.



**WHEEL GUARD SEPARATOR PLATES**

•Made of Black Plastic. •Approx. .040" thick.

**Part Number**  
**590-1**  
  
**590-2**  
**590-3**

**Description**  
10 hole, 11.25" bolt circle,  
stud pilot, 7/8" & 11/8" diameter studs  
11.25" bolt circle, 3/4" diameter studs.  
10 hole, 285.75mm bolt circle,  
hub pilot, 22mm diameter studs



**Crossfire Tire Pressure Equalization**

Crossfire is a pressure equalizing and monitoring valve that is mounted between dual tires. Properly mounted, air freely flows from one tire to the other, maintaining equal tire pressure.



**Part No. 207-P**  
6 hole PSI - 2.83 high



**Part No. CF-100-ST**  
100 PSI, Uni-mount, Hub Pilot



**Part No. 401-G**  
6 HOLE PSI - 2.66 high

The Crossfire Dual™ Tire Pressure Equalization System:

- maximizes tire life
- decreases rolling resistance for increased fuel mileage
- cuts maintenance time due to single-point inflation
- cuts maintenance time due to the visual pressure gauge
- improves stability, braking and overall safety
- installs in minutes and requires little maintenance
- pays for itself in less than a year
- American-made and guaranteed for two years



Mounted correctly, Crossfire's yellow indicator verifies that air is flowing freely from one tire to the other, equalizing the load, with just a glance from up to 20 feet away.

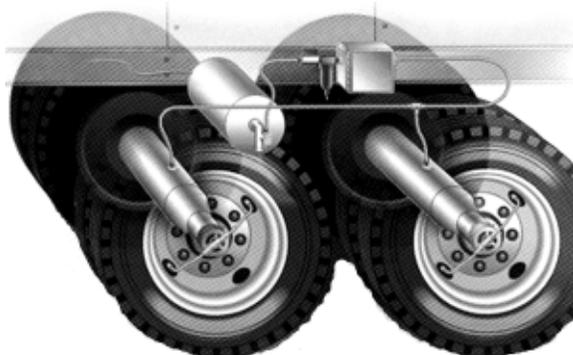
Blowout and Leaks

Crossfire employs a safety feature that automatically isolates the "good" tire in the event of a blowout. When a blowout occurs, the internal safety valve closes immediately with only a slight loss of pressure to the "good" tire.

In slow leak situations, the valve isolates both tires after a pressure drop of approximately 10 P.S.I.



## MERITOR TIRE INFLATION SYSTEM (MTIS) BY PSI™



# ArvinMeritor™

- The Meritor Tire Inflation System by PSI™ keeps tires properly inflated, delivering increased profitability year after year, increasing tire life, fuel efficiency, and safety.
- Unlike equalization systems that merely distribute air from one tire to another, the PSI™ uses compressed air from the trailer air system to inflate any tire that is below a pre-set pressure when the trailer is moving.
- This innovative system connects all tires on the trailer to a controlled air supply.
- The Meritor inflation system is self-contained on the trailer so that it can adapt to any tractor.
- Call us to spec out a kit that is just right for your needs!



**Part Number: 3196522**  
**MTIS Retro Kit:**  
**For tapered spindle tandem axle.**  
**Kit contains:**

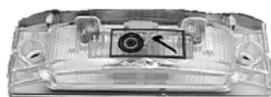
- 1 Control box with lid
- 1 Control box bracket
- Bulk Air tubing
- Bulk Electrical cable
- Bulk Nylon tie straps
- 1 Trailer light with hardware
- 4 Through-tees with flappers and shields Stators
- 4 Press plugs with adhesive and towlettes
- 4 Flex hoses for inside tire
- 4 Flex hoses for outside tire
- 1 Pressure protection valve
- 1 Miscellaneous fitting and hardware kit



**Part Number: 3136300**  
**Short Flex Hose Assembly**

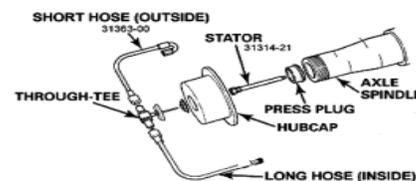


**Part Number: 3137300**  
**Long Flex Hose Assembly**



**Part Number: 3126308**  
**PSI Light**

**Part Number: 3131421**  
**Stator & Filter assembly**  
**1/4" NPT, threads into spindle plug**



**Part Number: 3131703**  
**Brass through Tee Assembly 3.50**



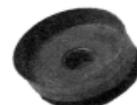
**Part Number: 3131704**  
**Brass through Tee Assembly 6.25**



**Part Number: 3131703S**  
**Super single Brass through Tee Assembly 3.50**



**Part Number: 3108200**  
**Control Box Assembly**



**Part Number: 3220201A**  
**1.75 PSI spindle plug**



**TRUCK TIRE TOOLS**

**TRUCK TUBELESS TIRE IRON**

Our most popular tubeless tire tool.  
Use in pairs.  
Length: 37"  
Stock: 3/4"  
Weight: 5 Lbs  
**Part No. 34644**



**DOUBLE END TRUCK WRENCH**

Constructed of 1" high quality steel.  
Socket Sizes: 1 1/4", 1 1/16" Hex  
Length: 16"  
Weight: 4 1/2 Lbs  
**Part No. 32509**



**BUDD NUT WRENCH FOR OUTER CAP NUTS**

Holds outer capnut while turning inner.  
1-1/2" hex opening.  
Weight: 14 oz.  
**Part No. 30609**



**METRIC DOUBLE END TRUCK WRENCH**

Constructed of 1" high quality steel. Length: 16", Weight: 4 1/2 Lbs  
Socket Sizes: 24mm x 33mm **Part No. 32552**



**30" CURVED SPOON TIRE IRON**

Curved for mounting or demounting tires.  
Length: 30"  
Stock: 1 1/16"  
Weight 3.1 Lbs  
**Part No. 33220**



**PROFESSIONAL TIRE BEAD BREAKING HAMMER**

Fiberglass handle with NU-LOK adapter prevents head from loosening.  
Length: 32"  
Weight: 9.1 Lbs.  
**Part No. 35429**  
**Handle Only: Part No. 35229**



**24" LOCK RING TOOL**

Designed for tire mounting and demounting.  
Length: 24"  
Stock: 1 1/16"  
Weight: 2 1/4 Lbs  
**Part No. 32123**



**Deep Length Impact Sockets - Metric Part No. 30356**

Description: 6 point, 3/4" Drive, 33 mm deep

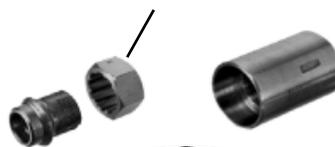
**Part No. 30366**

Description: 6 point, 1" Drive, 33 mm deep



**RIB NUT INNER NUT REMOVER**

Quickly and easily removes inner nuts that have stripped ends. Use with 1- 1/2 inch impact socket.  
**Part No. E-5206**



**PROTECTIVE COVER**

Prevents damage to chrome and aluminum rims and wheels when removing or replacing lug nuts. Imprinted with torque sequence number for proper torquing of disc wheels.  
**Part No. 30605**



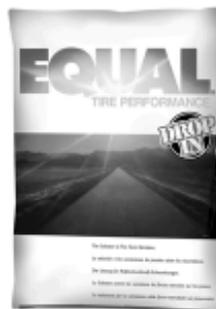
**Part No. 30121**

Description: 6 point, 3/4" Drive 1-1/2" x 3/16" square



**EQUAL® TIRE PERFORMANCE**

Part No.	Description
EQCS40AD	12 oz. bag
EQCS40BD	10 oz. bag
EQCS40CD	8 oz. bag
EQCS40DD	6 oz. bag
EQCS40ED	4 oz. bag
EQCS40FD	3 oz. bag

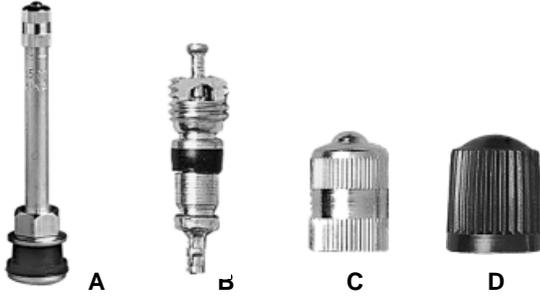


**EQUAL**  
TIRE PERFORMANCE  
...For the Ride.

**EQUAL** is installed by placing a self opening bag-containing a specified amount of the product tailored to the tire size-inside the tire at the time of mounting. It can also be installed through the valve stem using a special installation tool *after* tire mounting.



## TRUCK & BUS TUBELESS TIRE VALVES & CAPS



### TIRE VALVES - A

Straight Valves  
For 5/8" (.625")  
Side Hole Rim  
Mounting for  
steel wheels  
**Part No. Length**  
17-571T 3-3/8"  
17-572T 3-3/4"  
17-573T 4-3/8"

Box Quantity = 50

### VALVE CORE-B

For  
General Purpose  
Valve Use.  
**Part No. 17-490HT**  
Operating Pressure  
0 - 200 PSI

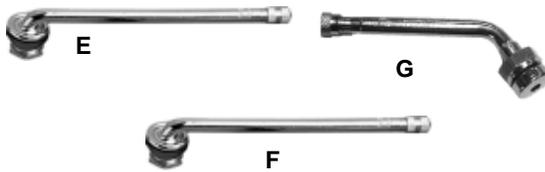
Box Quantity = 100

### VALVE CAP - C

Metal  
For Standard Valves  
**Part No. 17-491D**

**VALVE CAP - D**  
Black Flexible plastic  
**Part No. 17-492**

Box Quantity = 100



### TRUCK TIRE VALVE E

**Part No. 17-509**  
90° Valve for 4-3/4"  
Aluminum Wheels  
w/ .625" Rim Hole

Box Quantity = Each

### TRUCK TIRE VALVE F

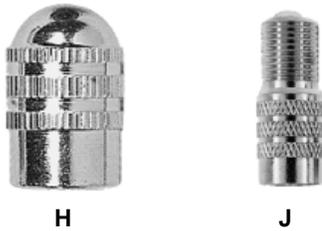
**Part No. 17-510**  
90° Valve for 5-1/2"  
Aluminum Wheels  
w/ .625" Rim Hole

Box Quantity = 10

### VALVE STEM G

**Part No. 17-545D**  
60° Bend, 3-3/4"  
Aluminum Wheels  
w/ .625" Rim Hole

Box Quantity = Each



### VALVE CAP H

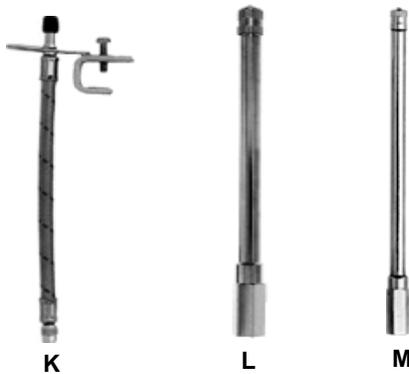
**Part No. 17-491T**  
Heavy Duty Dome  
Cap for Truck Service  
w/Heat-Resistant  
Sealing Washer

Box Quantity = 100

### VALVE CAP J

**Part No. 17-579**  
Double Seal  
Valve Cap

Box Quantity = 50



### TRUCK VALVE EXTENSION K

**Part No. 17-580**  
8-1/4" Metal Braided  
Flexible Valve  
Extension

Box Quantity = Each

### TRUCK VALVE EXTENSION L

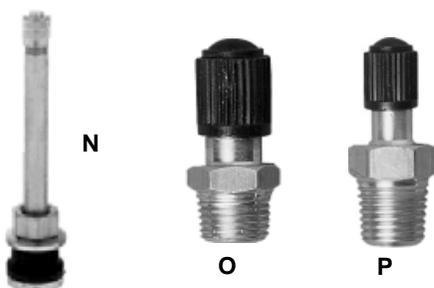
**Part No. 17-581**  
1" Long Collar Type  
3-1/16" Effective  
Length

Box Quantity = Each

### TRUCK VALVE EXTENSION M

**Part No. 17-583**  
Long Collar Type  
6-1/16" Effective  
Length

Box Quantity = Each



### VALVE STEM N

**Part No. 17-501T**  
1-1/2" Valve Length  
Steel Wheel  
w/ .625" Rim Hole

Box Quantity = Each

### TANK VALVES O

**Part No. 17-593**  
27/32" OAL  
1/8" NPT Thread  
7/16" Hex Size

Box Quantity = Each

### TANK VALVES P

**Part No. 17-594**  
27/32" OAL  
1/4" NPT Thread  
7/16" Hex Size

Box Quantity = Each