



2025 WHEEL PRODUCT CATALOG

Your only single source for industry-leading steel and aluminum wheels.

Your Only Single Source for Steel and Aluminum Wheels



New Steel Armor^{**} Now with Improved Edge Protection

PRO**SHIELD**

Armor Yourself Against Ordinary

ACCURIDE

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WARNING: Air pressure in an inflated truck tire mounted on a rim/wheel creates explosive energy; this pressure can cause the tire/rim assembly and/or components to burst apart with great force. If struck by an exploding tire or rim component, you can be seriously injured or killed. FEDERAL OSHA REGULATIONS REQUIRE ALL EMPLOYERS TO PROVIDE TRAINING FOR ALL EMPLOYEES WHO SERVICE SINGLE-PIECE AND MULTI-PIECE RIMS/WHEELS. THIS TRAINING SHOULD ENSURE THAT EACH EMPLOYEE DEMONSTRATES AND MAINTAINS HIS ABILITY TO SERVICE SINGLE AND MULTI-PIECE RIMS/WHEELS. THIS TRAINING SHOULD ENSURE THAT EACH EMPLOYEE INFORMATION IS CONTAINED IN THE ACCURIDE RIM/WHEEL SAFETY & SERVICE MANUAL, WHICH SHOULD BE RETAINED BY YOU. The Accuride Rim/Wheel Safety & Service Manual and other educational, informational, and training items are available free of charge at www.AccurideCorp.com. Please reference page 38. You may also write to Literature Distribution, Accuride Corporation, 38777 Six Mile Road, Suite 410, Livonia, MI 48152 or call (800) 626-7096 to receive free copies. Outside the US call (812) 962-5000. You should not, nor should you let your employees, service rims/wheels unless they are thoroughly trained and completely understand this safety information.



ALUMINUM WHEEL FINISH OPTIONS

Maximize your profit and savings by switching to the lightest aluminum wheel offering in the market. Accuride aluminum wheels allow you to increase payload, improve fuel economy, reduce tire wear, and achieve better heat dissipation, increasing your resale value. Accuride offers one of the widest selections of wheel finishes in the industry.

SP and XP aluminum wheel finishes offer superior shine and value, while Accu-Shield®, ProShield™ Black and Accu-Armor™ offer a wide range of aluminum wheel finish options for every application.

ALUMINUM FINISHES Aluminum Finish Code

Finish Code	
SP	Standard Polish (Both Sides)
SPC	Standard Polish with Accu-Shield®
XP	Extra Polish (Both Sides)
XPC	Extra Polish with Accu-Shield®
ХВ	ProShield™ Black
R	Accu-Armor™ Wheel Surface Treatment

For example, 43644SP = Standard Polish. Contact your sales representative for more information on Accuride's aluminum finishes.

Extra Polish with Accu-Shield[®] (XPC)

Don't mess with unnecessary refinishing costs, keep your wheels shining as if they were new with Accu-Shield[®]. This low maintenance, easy cleaning, clear coating will keep your wheels looking good.

Accu-Armor[™] Wheel Surface Treatment (R)

Texturized and anodized sparkle silver finish will outperform in any environment, and maintain its sharp appearance with low maintenance. Ideal for vocational applications.

ProShield[™] Black (XB)

Turn heads and add to the look of your reliable Accuride aluminum wheels with our ProShield[™] Black coating. Accuride's ProShield[™] Black takes the lightest aluminum wheels in the industry and gives them a styled matte "blacked-out" look.

STEEL WHEEL FINISH OPTIONS

New Enhanced Steel Armor™

Accuride has made the best even better. Steel Armor[™] already provides industry-leading corrosion protection, and now Steel Armor[™] provides even better sharp-edge protection, so corrosion can't get a foothold. And the new Steel Armor[™] uses less carbon to produce, so it's better for the environment. A superior finish that looks great and lasts longer, reducing maintenance costs. Our proprietary powder coat process and technology makes all this possible. And it comes with a standard five year warranty!

STEEL FINISHES						
Steel Finish Code	Steel Finish Name					
PKBLK21	Steel Armor™ powder coat black					
PKWHT21	Steel Armor™ powder coat white					
PKGRY21	Steel Armor™ powder coat gray					

For more information on additional color options for the new Enhanced Steel Armor[™], please contact your Accuride sales representative.



		/	/						
Part Number	Size and Type	Page Number	ltem Number	Part Number	Size and Type	Page Number	ltem Number		
590-1	Wheel-Guard	22	6	41602(2)	19.5 x 8.25RW	9	2		
590-2	Wheel-Guard	22	5	41644(2)	22.5 x 8.25	9	6		
590-3	Wheel-Guard	22	3	41685(2)	19.5 x 7.50RW	9	1		
738-1	Wheel-Guard	22	4	41730(2)	22.5 x 9.00	9	11		
790-2(1)	Wheel-Guard	22	1	42362(2)	24.5 x 8.25	9	7		
100065	Wheel-Guard	22	2	43140(2)	22.5 x 14.00	18	7		
27403	22.5 x 7.50	15	4	4.3142(2)	22.5 x 14.00	18	8		
27404	22.5 x 8.25	15	5	13611(2)	22.5 x 8.25	Q	5		
27406	24.5 x 8.25	15	7	50180	19 5 x 6 75P\/	12	1		
27599(2)	24.5 x 8.25	15	3	50201	20 × 10 00	12	-		
27833C	22.5 x 8.25	15	6	50201	20 × 10.00	_			
27834C	22.5 x 8.25	12	2	502910	22.5 X 0.25	-	12		
28440	22.5 x 8.25	13	5	50344(4)	22.5 × 9.00	-	12		
28476C	22.5 x 8.25	15	8	50/00	22.J X 0.2J	-	6		
28608(2)	22.5 x 9.00	15	2	50409	24.J X 0.ZJ	10	0		
28615(2)	22.5 x 8.25	15	1	50510	22.5×0.00	15	Q		
28827	24.5 x 8.25	10	13	50503	22.5 x 9.00	13	0		
28828	22.5 x 8.25	10	9	50541	22.5 X 9.00	10	7		
28844(2)	22.5 x 7.50	9	4	50041	24.0 X 0.20	10	2		
29001	22.5 x 7.50	10	2	51/197	22.3 X 0.23	10	3		
29039	22.5 x 9.00	10	11	51627	22.J X 0.2J	10	4		
29169	22.5 x 8.25	10	10			10	0		
29195	19.5 x 7.50RW	10	1	FIBUI ETCO1	Wheel Hub Cover	22	9		
29348(2)	22.5 x 8.25	11	5		Wheel Hub Cover	22	/		
29374(2)	22.5 x 12.25	18	3		Wheel Lub Cover	22	0		
29376(2)	22.5 x 13.00	18	5	RRCUI	VVIIeet HUD COver	22	0		
29378 ⁽²⁾	22.5 x 12.25	18	1	⁽¹⁾ Call (800) 626-7096 f	or availability and minimu	ım quantities.			
29380(2)	22.5 x 13.00	18	4	⁽²⁾ Aluminum Wheels.	Freightlinger Dealors				
29506	19.5 x 6.00RW	16	1	⁽⁴⁾ Available only through	PACCAR Dealers.				
29545	24.5 x 8.25	10	8	5 5					
29560(2)	22.5 x 8.25	13	1						
29562(2)	22.5 x 9.00	13	3						
29683 ⁽²⁾	22.5 x 12.25	18	2						
29695(2)	19.5 x 6.75RW	11	2						
29729 ⁽¹⁾	20 x 10.00-5°	-	-						
29737(1)	20 x 10.00-5°	-	-						
29741(1)	20 x 10.00-5°	-	-						
29883	19.5 x 6.00 RW	-	-						
29914	20 x 10.0-5°	-	-						
40008(2)	22.5 x 8.25	9	9						
40014(2)	22.5 x 8.25	13	2						
40018(2)	19.5 x 6.00RW	20	1						
40160(2)	19.5 x 7.50RW	11	3						
40162(2)	19.5 x 7.50RW	11	4						

ACTIVE PART NUMBER INDEX

40171

40180(2)

40550

40620(2)(3)

40639(2)(3)

40680(2)

40682(2)

40699(2)(3)

41012(2)

41014(2)

41171(2)

41362(2)

17.5 x 6.75

22.5 x 9.00

24.5 x 8.25

22.5 x 8.25

22.5 x 9.00

22.5 x 8.25

22.5 x 14.00

24.5 x 8.25

22.5 x 9.00

22.5 x 8.25

17.5 x 6.75

24.5 x 8.25

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10

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NO: ACC2.007 replaces WES2.007 Rev. 8

ACCURIDE LIMITED WARRANTY TO FILE A WARRANTY CLAIM, CALL (800) 869-2275 ext 1

Accuride warrants to the original purchaser or the original end user that Accuride products are free from defects in material and workmanship. The limited warranty timeframe (reference table below) is based on the date of product manufacture and shall be void if the product is altered, modified, misapplied, misused, neglected, repaired or not maintained in accordance with the instructions printed in the product-specific Accuride Safety & Service Manual⁽²⁾.

GENERAL PRODUCT OVERVIEW

Product Type	5 years/ 60 months	1 year/ 12 months
Accuride Aluminum Wheels ⁽²⁾	Industry Standard Aluminum Wheels Duplex® Aluminum Wheels ACCU-SHIELD® Wheels ACCU-ARMOR™ Wheels ProShield Black Wheels	
Accuride Steel Wheels ⁽²⁾	Extra Service Wheels™ (ESW) Styled Steel Wheels Tubeless Wheels Steel Armor™ ⁽³⁾	ProFinish™ Corrosion Only ⁽³⁾ Duplex® Steel Disc Wheels Light Truck Wheels Steel Bolt-Together Specialty Wheels

(1) Time or miles, whichever occurs first. Time is measured from date of manufacture.

(2) See Remedies and Limitations of Remedies and refer to appropriate Accuride guide for additional limited warranty condition details: Accuride Rim/Wheel Safety & Service Manual, and Steel Wheel Refinishing Criteria.

(3) Designated steel wheels are covered by a limited warranty to be free of "rust damage" from the date of manufacture indicated on the wheel: ProFinish™ for twelve (12) months, Steel Armor™ for sixty (60) months. Rust damage is defined as rust sufficient to require refinishing as determined by Accuride in accordance with the most current version of Accuride's technical bulletin W2.043 Steel Wheel Refinishing Criteria. The Steel Armor™ warranties do not cover,

and expressly exclude, rust in the crevice between the disc and the rim.



ACCURIDE LIMITED WARRANTY TO FILE A WARRANTY CLAIM, CALL (800) 869-2275 ext 1 ADDITIONAL PRODUCT SPECIFIC LIMITED WARRANTY CRITERIA

Wheels and Rims: In addition to the exclusions stated elsewhere herein, the warranty shall be void if the product is used with improper tire sizes, inflation pressures, or exceeded load ratings. The warranty shall be void if the product is not properly maintained in accordance with the Accuride Rim/Wheel Safety & Service Manual. The warranty does not cover defects resulting from corrosion (except as stated elsewhere in this document), other non-Accuride components, accident, excessive speed or other abnormal or severe operating conditions.

ACCU-ARMOR[™], ACCU-SHIELD®, STEEL ARMOR[™], PROFINISH[™], and PROSHIELD BLACK[™]: In addition to the exclusions stated elsewhere herein, Accuride does not cover the following conditions: (i) Any damage in the areas of the mounting surfaces, such as the area under the mounting nuts, the area in contact with hubs or drums and the area in contact with other wheels in dual position; (ii) Any damage due to cleaning, including damage from the use of abrasives, abrasive brushes, steel wool, scouring pads, or strong chemicals; (iii) corrosion, except as stated elsewhere in this document; and/or (iv) any damage to the wheel finish due to wheel/tire assembly, removal, balancing weight, misuse, or chipping, whether by contact with road obstacles such as stones, gravel, curbs, barriers, signs, tire changing equipment, or otherwise. ACCU-SHIELD® and PROSHIELD BLACK[™] products are not covered for corrosion. The STEEL ARMOR[™] warranties are void with respect to, and expressly exclude, all wheels that have been refinished or refurbished and, for wheels used without an Accuride Wheel-Guard®, the disc face and any other areas impacted by not using an Accuride Wheel-Guard. The STEEL ARMOR[™] and PROFINISH[™], warranties expressly exclude and do not cover (a) paint appearance, paint integrity, or paint adhesion to the wheels due to chipping effect and (b) corrosion in the crevice between the wheel disc and rim. Accuride recommends cleaning wheels with mild soap and water.

REMEDIES AND LIMITATIONS OF REMEDIES

In the event of any material breach of the above limited warranties, Accuride agrees to repair or replace*, at its sole option, without charge any and all of its warrantable product that fail during normal use and service due to defects in material and/or workmanship, all subject to the original purchaser providing written notice of the alleged breach within 30 days of failure. Time is of the essence herein, and original purchaser's failure to provide written notice to Accuride within the required time of any alleged breach of the foregoing warranty will release and discharge Accuride from any obligation or liability for that breach of warranty. In no event will Accuride be liable for any other costs associated with the replacement or repair of product covered under this warranty, including labor, installation or other costs incurred by customer.

* - NOTWITHSTANDING THE ABOVE, THE SOLE REMEDY UNDER THE STEEL ARMOR™ WARRANTIES SHALL BE THE PAYMENT OF US \$35 FOR STEEL ARMOR™ OR THE REPAIR OR REPLACEMENT OF THE WHEEL (AT ACCURIDE'S SOLE OPTION) IF A WARRANTABLE PRODUCT FAILS DURING NORMAL USE AND SERVICE DUE TO DEFECTS IN MATERIAL AND/OR WORKMANSHIP. Only one claim per wheel may be paid under the Steel Armor™ warranties. The remedy described in this paragraph is Accuride's sole and exclusive obligation under these warranties and in no event will Accuride be liable for special, incidental or consequential damages.

Customer must timely report the breach of warranty and demonstrate warrantability under the then applicable procedures during the warranty period. The remedies set forth herein shall be the sole and exclusive remedies available to the original purchaser so that Accuride repair, replacement, or payment as described above is a fulfillment of all Accuride obligations. ACCURIDE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. FURTHER, UNDER NO CIRCUMSTANCE SHALL ACCURIDE BE LIABLE FOR DAMAGES BEYOND THE PRICE OF THE GOODS PURCHASED BY THE ORIGINAL PURCHASER, WHETHER IN CONTRACT, IN TORT OR UNDER ANY WARRANTY OR OTHER USE.

Accuride reserves the right to require product return and/or washing (using mild soap and water with cotton cloth) prior to warranty assessment as a condition of eligibility for warranty remedies. Product return expense must be paid by the product owner and if the product is found warrantable, reasonable freight expenses may be reimbursed by Accuride at its discretion. No goods are to be returned to Accuride without a Returned Goods Authorization (RGA). If Accuride determines that any of the returned goods are non-warrantable, Accuride reserves the right to charge the original purchaser for the recovery of all transportation costs and expenses incurred in examining, processing and handling such goods. Any controversy or claim that customer may wish to bring that is arising out of or related to this limited warranty or breach hereof must be commenced in writing within 30 days of notification of warrantable status or shall be deemed to be waived.

Any product deemed non-warrantable is the property of the original purchaser and can be returned to the original purchaser upon its request and at its sole cost and expense. Should the non-warrantable item(s) not be reclaimed, Accuride will disposition the product no sooner than 30 days after original purchaser notification has been made.

For all warranty related questions, please contact your Accuride warranty administrator at (800) 869-2275 Option 1 or submit questions or claims to warrantyadmin@accuridecorp.com.

THE ABOVE WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY ACCURIDE AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED, STATUTORY OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY DISCLAIMED BY ACCURIDE. IN NO EVENT SHALL THIS WARRANTY BE DEEMED TO COVER INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND.

All sales are subject to Accuride's Sales Terms and Conditions, as amended from time to time, which may be found at https://www.accuridecorp.com/SalesTerms.



HUB-PILOTED TUBELESS WHEELS





General Information

ACCURIDE 15° TUBELESS ALUMINUM WHEELS



Hub-Piloted Dual-Mounting Two-Piece Flange Nut



ACCURIDE

10-Hole, 285.75mm Bolt Circle, 220mm Bore

ltem	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 7.50RW ⁽¹⁾⁽²⁾	41685SP/XP	6.25"	.875"	DV545D	33	6700 - 131
2	19.5 x 8.25RW ⁽¹⁾⁽²⁾	41602SP/XP	6.63"	.875"	DV545D	35	7250 - 131
3	22 x 8.25 ⁽⁴⁾	40680SP/XP	6.59"	.875"	DV545D	50	7400 - 131
4	22.5 x 7.50	28844SP/XP	6.45"	.935"	DV545D	55	7300 - 120
5	22.5 x 8.25	43644SP/XP	6.59"	.750"	DV545D	38	7400 - 131
6	22.5 x 8.25	41644XP	6.61"	.787"	TR554D	44	7400 - 131
7	24.5 x 8.25	42362SP/XP	6.59"	.800"	DV545D	50	7400 - 131
8	24.5 x 8.25	41362XP	6.61"	.866"	TR555D	56	7400 - 131
		н	eavy Load App	olications			
9	22.5 x 8.25	40008SP/XP	6.59"	.935"	DV545D	54	8100 - 131
10	22.5 x 9.00	41012SP/XP	3.12"(3)	.980"	DV545E	51	10200 - 131
11	22.5 x 9.00	41730SP/XP	7.00"	.980"	DV545D	58	10000 - 130
12	24.5 x 8.25	40550SP/XP	6.59"	.950"	DV545D	60	8300 - 131

 $^{(1)}$ "RW" denotes revised well for increased brake clearance. $^{(2)}$ Requires special 15 x 85/8" brake package.

⁽³⁾ Not approved for dual application. (inset listed)

⁽⁴⁾ Wheel has no handholes.



ACCURIDE 15° TUBELESS STEEL WHEELS



Stud-Piloted Tubeless Wheels

Hub-Piloted Dual-Mounting Two-Piece Flange Nut



ltem	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 7.50RW ⁽¹⁾⁽²⁾	29195	5	6.40"	.437"	TR546-36	65	6700 - 120
2	22.5 x 7.50	29001	5	6.44"	.437"	TR572-19	72	6610 - 120
3	22.5 x 8.25	51408(5)	2	6.60"	.437"	TR572-F19 ⁽⁴⁾	67	7400 - 125
4	22.5 x 8.25	51487(5)	5	6.60"	.437"	TR572-F19 ⁽⁴⁾	65	7400 - 125
5	22.5 x 8.25	51637(5)	10	6.60"	.437"	TR572-F19 ⁽⁴⁾	65	7400 - 125
6	24.5 x 8.25	50409	2	6.60"	.437"	TR572-D19	78	7400 - 120
7	24.5 x 8.25	50641	5	6.60"	.437"	TR572-D19	76	7400 - 120
8	24.5 x 8.25	29545	10	6.62"	.437"	TR573	85	7400 - 120
			He	avy Load A	pplications			
9	22.5 x 8.25	28828	2	6.62"	.472"	TR573	79	8000 - 130
10	22.5 x 8.25	29169	5	6.62"	.472"	TR573	78	8000 - 130
11	22.5 x 9.00	29039	5	5.25"(3)	.500"	TR573	103	10000 - 130
12	22.5 x 9.00	50300	5	7.00"	.500"	TR573	101	10000 - 130
13	24.5 x 8.25	28827	2	6.62"	.472"	TR573	86	8000 - 120

⁽¹⁾ "RW" denotes revised well for increased brake clearance.

⁽²⁾ Requires special 15 x 8^{5} /8" brake package.

⁽³⁾ Not approved for dual application. (inset listed)

⁽⁴⁾ Valve TR572-E22 may provide improved valve access to inner dual.

⁽⁵⁾ Refer to bulletins W2.020, W2.021 and W2.022 for heavy duty application.

Duplex[®] Disc Wheels

ACCURIDE

ACCURIDE 15° TUBELESS ALUMINUM WHEELS



Hub-Piloted Dual-Mounting Two-Piece Flange Nut

8-Hole, 275mm Bolt Circle, 221mm Bore

ltem	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	17.5 x 6.75	40171SP/XP	5.55"	.827"	TR544C	30	5515 - 142
2	19.5 x 6.75RW ⁽¹⁾⁽²⁾	29695SP/XP	5.60"	.830"	DV545D	36	5000 - 125
3	19.5 x 7.50RW ⁽¹⁾⁽²⁾	40160SP/XP	6.25"	.875"	DV545D	39	6700 - 131
4	19.5 x 7.50RW ⁽¹⁾⁽²⁾⁽³⁾	40162SP/XP	6.25"	.875"	DV545D	39	6700 - 131
5	22.5 x 8.25	29348SP/XP	6.59"	.935"	DV545D	55	7300 - 120

⁽¹⁾"RW" denotes revised well for increased brake clearance. ⁽²⁾ Fits only ISO Hub back-up for 8-holes, 275mm system.

⁽³⁾Bolt holes are 32.87mm. ISO standards are 26mm.

Hub-Piloted Tubeless Wheels



ACCURIDE 15° TUBELESS STEEL WHEELS





ltem	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 6.75RW ⁽²⁾⁽⁴⁾	50180(1)(3)	4	5.50"	.375"	TR575	59	5500 - 120

⁽¹⁾ Fits only ISO hub back-up diameter for 8-hole, 275mm system.
⁽²⁾ "RW" denotes revised well for increased brake clearance.

Bolt holes are 25mm. ISO standards are 24mm.
Requires special 15 x 8⁵/₈" brake package.

2				inting			
000	Tw	o-Piece	Flange N	lut			
	10-Hole, 11	1¼" Bolt	Circle, 8	3.67" Bore			
22/	Special Bus Application with 1.22" Bolt Holes						
·	EXTR	RA SERV	ICE WHE	ELS			

ltem	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
2	22.5 x 8.25	27834C ⁽⁵⁾⁽⁶⁾	5	6.62"	.437"	TR572	76	7400 - 120

Hub-Piloted Dual-Mounting

⁽⁵⁾ Check clearance. May not fit some older bus applications.

⁽⁶⁾ "C" suffix denotes balanced wheel.

ACCURIDE 15° TUBELESS ALUMINUM WHEELS



Hub-Piloted Dual-Mounting Two-Piece Flange Nut

10-Hole, 335mm Bolt Circle, 281mm Bore ULTRAMOUNT 335

ltem	Wheel Size	Size Part Number		Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	22.5 x 8.25	29560SP/XP	6.69"	.866"	DV3.20.2	53	8046 - 138
2	22.5 x 8.25 ⁽¹⁾	40014SP/XP	6.69"	.866"	DV3.20.2	53	8046 - 138
3	22.5 x 9.00	29562SP/XP	6.89"	.866"	DV3.20.2	55	9094 - 141
4	22.5 x 9.00 ⁽¹⁾	40180SP/XP	6.89"	.866"	DV3.20.2	55	9094 - 141

⁽¹⁾ Bolt holes are 32mm. ISO standards are 26mm.

ACCURIDE 15° TUBELESS STEEL WHEELS



Hub-Piloted Dual-Mounting Two-Piece Flange Nut

10-Hole, 335mm Bolt Circle, 281mm Bore ULTRAMOUNT 335

ltem	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
5	22.5 x 8.25	28440	10	6.62"	.433"	TR570-E14	87	7500 - 130
6	22.5 x 9.00	50593	10	7.00"	.625"	TR573-D23	111	10500 - 130

ACCURIDE



STUD-PILOTED TUBELESS WHEELS



Light Truck Wheels

General Information

ACCURIDE 15° TUBELESS ALUMINUM WHEELS



Stud-Piloted Dual-Mounting Double Cap Nut

10-Hole, 11¼" Bolt Circle, 8.72" Bore

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ACCURIDE

ltem	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	22.5 x 8.25	28615SP/XP	6.59"	.935"	DV545D	54	7250 - 120
2	22.5 x 9.00	28608SP/XP	7.00"	.980"	DV545D	60	9000 - 130
3	24.5 x 8.25	27599SP/XP	6.59"	.935"	DV545D	62	7200 - 120

ACCURIDE 15° TUBELESS STEEL WHEELS

Stud-Piloted Dual-Mounting Double Cap Nut

1	6	1	
		1	

Alter

10-Hole, 11¼" Bolt Circle, 8.72" Bore	
EXTRA SERVICE WHEELS	

ltem	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)	
4	22.5 x 7.50	27403	2	6.44"	.437"	TR500	73	6610 - 120	
5	22.5 x 8.25	27404	2	6.62"	.437"	TR572	78	7400 - 120	
6	22.5 x 8.25	27833C ⁽¹⁾⁽²⁾	5	6.62"	.437"	TR572	75	7400 - 120	
7	24.5 x 8.25	27406	2	6.62"	.437"	TR573	86	7400 - 120	
Heavy Load Applications									
8	22.5 x 8.25	28476C(1)(2)	5	6.62"	.472"	TR573	77	8000 - 130	
9	22.5 x 9.00	50510 ⁽³⁾	2	7.00"	.500"	TR573	103	9000 - 130	

⁽¹⁾ Check clearance. May not fit some older bus applications.

⁽²⁾ "C" suffix denotes balanced wheel.

⁽³⁾ Because of the thicker disc, longer studs must be used. When longer studs are used, wheels with thinner discs cannot be used in a dual assembly because the inner cap nut can bottom out before the wheel is securely clamped.



ACCURIDE 15° TUBELESS STEEL WHEELS

6-Hole, 222.25 mm, Japanese Ite

Steel Stud-Piloted Mounting Double Cap Nut

Maximum Load & Infl.

(lbs) – (psi) 3640 - 110

m	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve ⁽¹⁾	Approx. Wt. (lbs)
	19.5 x 6.00RW ⁽¹⁾	29506	6	127mm	9.53mm	V3-20-1	50.5

⁽¹⁾ "RW" denotes revised well for increased brake clearance.

1



DUPLEX® DISC WHEELS

Hub-Piloted Tubeless Wheels

Stud-Piloted Tubeless Wheels



ACCURIDE 15° TUBELESS DUPLEX® DISC WHEELS

Aluminum Hub-Piloted Mounting⁽¹⁾ Two-Piece Flange Nut

10-Hole, 285.75mm Bolt Circle, 220mm Bore



Stud-Piloted

ltem	Wheel Size	Part Number	Inset ⁽²⁾	Outset ⁽²⁾	Disc Thickness	Installed Valve	Approx. Wt. (lbs)	Load & Infl. (lbs) - (psi)
1	22.5 x 12.25	29378SP/XP		0.56"	1.120"	DV543E	62	11400 - 120
2	22.5 x 12.25	29683SP/XP	2.88"	4.00"	1.125"	DV545E	62	12300 - 125
3	22.5 x 12.25	29374SP/XP	4.75"		1.125"	DV545E	66	12300 - 131
4	22.5 x 13.00	29380SP/XP		0.56"	1.120"	DV543E	64	12300 - 120
5	22.5 x 13.00	29376SP/XP	5.25"		1.125"	DV545E	68	12800 - 120
6	22.5 x 14.00 ⁽⁴⁾	40682SP/XP	0.50"	0.48"	0.98"	DV543E	56	12800 - 131
7	22.5 x 14.00	43140SP/XP		0.50"	0.98"	DV543E	51	12800 - 131
8	22.5 x 14.00	43142SP/XP		2.00"(3)	0.98"	DV543E	51	12800 - 131

(1) These wheels require two-piece metric flange nuts and grade 8 or higher 22mm wheel studies and 450-500 ft. – lbs. nut long use of a mended.
⁽²⁾ Inset is the lateral distance from the rim centerline to the mounting surface of the disc. Inset places the rim centerline inboard of the mounting surface; outset places the rim centerline outboard of the hub surface.

⁽³⁾ CAUTION: 2.00" outset wheels are not recommended for use with N-spindle applications. ⁽⁴⁾ Wheel has no handholes.



Hub-Piloted Tubeless Wheels

Stud-Piloted Tubeless Wheels

LIGHT TRUCK WHEELS

Duplex[®] Disc Wheels Light Truck Wheels **General Information** ۲



LIGHT TRUCK WHEELS





Aluminum Light Truck Wheel Hub-Piloted Dual Mounting Two-Piece Flange Nut





ltem	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 6.00RW	40018SP/XP	5.35"	.598"	DV545D	32	4000 - 115



GENERAL INFORMATION

Hub-Piloted Tubeless Wheels

Stud-Piloted Tubeless Wheels



WHEEL-GUARD® SEPARATOR PLATE





590-3

The Wheel-Guard® Separator Plate is approximately .035" thick. It is placed between the hub or drum and the wheel, and/or between two wheels in dual applications. Not to be installed between hub and brake drum. The Wheel-Guard® is recommended in severe applications where corrosion and/or wear have been identified. Both aluminum and steel wheels can benefit from use of the Wheel-Guard®. Care must be exercised in centering the separator plate prior to torquing, and stud length must be checked as each plate is approximately .035" thick.

ltem	Part Number	Bolt Circle	Application
1	790-2	8 hole - 275mm	hub-piloted; 22mm diameter studs
2	100065	10 hole - 225mm	hub-piloted; 14mm diameter studs
3	590-3	10 hole - 285.75mm	hub-piloted; 22mm diameter studs
4	738-1	10 hole - 335mm	hub-piloted; ISO European Mount, 22mm diameter studs
5	590-2	10 hole - 111⁄4"	stud-piloted; 3/4" diameter studs
6	590-1	10 hole - 111⁄4"	stud-piloted; $7_{\!\!/\!8}"$ and $1\!!_{\!\!/\!8}"$ diameter studs

WHEEL HUB COVERS



Accuride's wheel covers are heat-resistant, durable and complement both steel and aluminum wheels. Available in a chrome or black finish, the thread-on application makes for easy installation on most 22.5" and 24.5" class 7 and 8 truck and trailer wheels.

Item	Part Number	Position	Finish
7	FTC01	Front	Chrome
8	RRC01	Rear	Chrome
9	FTB01	Front	Black
10	RRB01	Rear	Black

ACCURIDE

RECOMMENDED NUT TORQUE

Mounting	Thread Size	Torque ft-lbs	Nut Type
	LIGHT TRUCK		1
10-Hole, 7.25" Hub-Piloted (Ford) (5.47" Bore)	9/16 - 18	125 - 165	Two piece flange
10-Hole, 7.25" Hub-Piloted (GM) (5.25" Bore) - With Clamping Plate	5/8 - 18	171 - 179	90º cone ⁽¹⁾ With Clamping Plate
	9/16 - 18	175 - 200	90º cone
8-Hole, 6.50" I.U.L. (Ford)	5/8 - 18	175 - 200	90º cone
8-Hole, 210mm, Hub-Piloted (GM)	M14 x 1.5	136 - 144	Two piece flange
8-Hole, 6.50" Hub-Piloted (Ford)	9/16 - 18	125 - 165	Two piece flange
(4.88" Bore)	5/8 - 18	130 - 170	Two piece flange
8-Hole, 6.50" Stud-Piloted (Ford) (4.88" Bore) - Single Wheel	9/16 - 18	130 - 150	60º cone
8-Hole, 6.50" Hub-Piloted (GM)	M14 x 1.5	110 - 120	Two piece flange
8-Hole, 6.50" Hub-Piloted (GM)	9/16 - 18	136 - 144	90° cone ⁽¹⁾
(4.56" Bore) - With Clamping Plate	M14 x 1.5	136 - 144	With Clamping Plate
8-Hole, 6.50" Hub-Piloted (GM) (4.60" Bore)	M14 x 1.5	136 - 144	Two piece flange
8-Hole, 170mm, Hub-Piloted (Ford) (125.10mm Bore)	M14 x 2.0	150 - 160	Two piece flange
8-Hole, 225mm Hub-Piloted (Ford) (170.10mm Bore)	M14 x 2.0	150 - 160	Two piece flange
E Llola 975" Stud Dilatad	3/4 - 16	450 - 500	.875" spherical radius
	1 - 1/8 - 16	450 - 500	.875" spherical radius
6-Hole, 222.25mm Stud-Piloted Japanese .866" Nut Type	M20 x 1.5	325 - 400	.866" spherical radius
MEDIUM/I	HEAVY TRUCK, TRAILI	ER AND BUS	
10 Halo 13 3/16" HD Stud Dilatad	15/16 - 12	750 - 900	1.187" spherical radius
	1 - 5/16 - 12	750 - 900	1.187" spherical radius
10-Hole, 335mm Hub-Piloted	M22 x 1.5	450 - 500	Two piece flange
10 Hole 11 1/1" Stud Dilated	3/4 - 16	450 - 500	.875" spherical radius
	1 - 1/8 - 16	450 - 500	.875" spherical radius
10-Hole, 11 1/4" Hub-Piloted	3/4 - 16	300 - 350	Two piece flange
(Bus Mount)	7/8 - 14	350 - 400	Two piece flange
10-Hole, 285.75mm Hub-Piloted	M22 x 1.5	450 - 500	Two piece flange
10-Hole, 8.75" Hub-Piloted	11/16 - 16	300 - 400	One piece flange
10-Holo 875" Stud-Dilatod	3/4 - 16	450 - 500	.875" spherical radius
	1 - 1/8 - 16	450 - 500	.875" spherical radius
10-Hole, 200mm Hub-Piloted (Ford)	M14 x 2.0	150 - 160	Two piece flange
10-Hole, 225mm Hub-Piloted (Ford)	M14 x 2.0	150 - 160	Two piece flange
8-Hole, 285mm Stud-Piloted Japanese	Check tr	ruck manufacturer for torqu	e details
9 Hole 275mm Link Dilated	M20 x 1.5	280 - 330	Two piece flange
O-HULE, 27 SININ HUD-PILOLEU	M22 x 1.5	450 - 500	Two niece flange
Demountable Rims	3/4 - 10	200 - 260	Flat out

⁽¹⁾ These nuts can only be used with a clamping plate. Do not use 90° cone nuts against the disc face. **Note:** Hub, stud and spoke wheel manufacturers may have different torque requirements. Consult Accuride Field Engineering at (800) 869-2275 if torque recommendations conflict. Refer to Accuride's Rim/Wheel Safety and Service Manual for information on torque and nut tightening sequence.



ALUMINUM WHEEL HAND HOLE SIZE BY PART NUMBER









Hub-Piloted Tubeless Wheels



Tubeless Wheels Hub-Piloted

Tubeless Wheels Stud-Piloted

Duplex[®] Disc Wheels

ACCURIDE VS ALCOA/HOWMET CROSS REFERENCE

Alcoa P/N	Accuride P/N	Size	Mount	Bolt Hole	Bolt Circle	Bore
66348x	40171	17.5 x 6.75	Hub-Piloted; Dual Mounting	8	275mm	221mm
76329x	40018	19.5 x 6.00	Hub-Piloted; Dual Mounting	10	225mm	170mm
76542x	29695	19.5 x 6.75	Hub-Piloted; Dual Mounting	8	275mm	221mm
77362x	41685	19.5 x 7.50	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
87360x	28844	22.5 x 7.50	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
ULA18x / ULV39x ⁽⁴⁾	43644 ⁽⁴⁾	22.5 x 8.25	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
88565x	40008(1)	22.5 x 8.25	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
88651x	40014	22.5 x 8.25	Hub-Piloted; Dual Mounting	10	335mm	281mm
88652x	29560	22.5 x 8.25	Hub-Piloted; Dual Mounting	10	335mm	281mm
89U63x	41012(1)(3)	22.5 x 9.00	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
89U64x	41730 ⁽¹⁾	22.5 x 9.00	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
89652x	29562(1)	22.5 x 9.00	Hub-Piloted; Dual Mounting	10	335mm	281mm
89651x	40180	22.5 x 9.00	Hub-Piloted; Dual Mounting	10	335mm	281mm
82262x	29378	22.5 x 12.25	Hub-Piloted; Single Mounting	10	285.75mm	220mm
82362x	29683	22.5 x 12.25	Hub-Piloted; Single Mounting	10	285.75mm	220mm
82462x	29374	22.5 x 12.25	Hub-Piloted; Single Mounting	10	285.75mm	220mm
83462x	29376	22.5 x 13.00	Hub-Piloted; Single Mounting	10	285.75mm	220mm
84U64x	43142	22.5 x 14.00	Hub Piloted; Single Mounting	10	285.75mm	220mm
84U61x	43140 ⁽²⁾	22.5 x 14.00	Hub-Piloted; Single Mounting	10	285.75mm	220mm
98U63x	42362	24.5 x 8.25	Hub-Piloted; Dual Mounting	10	285.75mm	220mm
98565x	40550	24.5 x 8.25	Hub-Piloted; Dual Mounting	10	285.75mm	220mm

The last number of the Alcoa part number represents the Alcoa finish.

O-SP; 1-XP; 2-XP; 3-XP; 7-SP; 8-SP Duplex inset position; 9-SP Duplex inset position; DB-C

(1) Must confirm ADB clearance (2) 0.50" difference in outset (3) Not approved for dual applications – inset is 3.12" (4) Second valve hole for TPMS location

Available Accuride Finishes

- Standard Polish
- SP XP XPC Extra Polish Extra Polish with Accu-Shield®
- XB R ProShield Black⁽⁴⁾ Accu-Armor™ Finish

Light Truck Wheels



ACCURIDE VS MAXION CROSS REFERENCE

Maxion P/N	Accuride P/N	Size	Mount		Offset	Hand Holes
10038	29001	22.5 x 7.50	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.44"	5
10041	29039	22.5 x 9.00	Hub-Piloted	10 - 285.75mm BC - 220mm Bore HD	5.25"	5
10047	50300	22.5 x 9.00	Hub-Piloted	10 - 285.75mm BC - 220mm Bore HD	7.00"	5
10048	50510	22.5 x 9.00	Stud-Piloted	10 - 11¼" BC - 8.72" Bore HD	7.00"	2
10049	29169	22.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore HD	6.62"	5
10073	51637	22.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.60"	10
10076	29545	24.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.62"	10
87893	27403	22.5 x 7.50	Stud-Piloted	10 - 11¼" BC - 8.72" Bore	6.44"	2
87897	27406	24.5 x 8.25	Stud-Piloted	10 - 11¼" BC - 8.72" Bore	6.62"	2
87904	27833C	22.5 x 8.25	Stud-Piloted	10 - 11¼" BC - 8.72" Bore	6.62"	5
87905	27404	22.5 x 8.25	Stud-Piloted	10 - 11¼" BC - 8.72" Bore	6.62"	2
87934	27834C	22.5 x 8.25	Hub-Piloted	Special Bus 10 - 11¼" BC - 8.66" Bore	6.62"	5
89921	28549	22.5 x 8.25	Stud-Piloted	10 - 11¼" BC - 8.72" Bore HD	6.62"	2
89922	28410	24.5 x 8.25	Stud-Piloted	10 - 11¼" BC - 8.72" Bore HD	6.62"	2
90260	28828	22.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore HD	6.62"	2
90261	28827	24.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore HD	6.62"	2
90262	51487	22.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.60"	5
90263	50641	24.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.62"	5
90541	51408	22.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.60"	2
90542	50409	24.5 x 8.25	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.62"	2
91831	50180	19.5 x 6.75	Hub-Piloted	8 - 275mm BC - 221mm Bore	5.60"	4
91840	29195	19.5 x 7.50	Hub-Piloted	10 - 285.75mm BC - 220mm Bore	6.40"	5
2920072	28440	22.5 x 8.25	Hub-Piloted	10 - 335mm BC - 281mm Bore	6.62"	10

Hub-Piloted Tubeless Wheels



TYPES OF ACCURIDE RIMS AND TYPICAL DISC-TO-RIM ATTACHMENT LOCATIONS







Hub-Piloted Tubeless Wheels



ACCURIDE TYPICAL PRODUCT STAMPING

STEEL WHEEL



ALUMINUM WHEEL





HOW TO IDENTIFY DAMAGED RIMS/WHEELS

Rim/wheel components can become damaged. Check all metal surfaces for rust or corrosion buildup, cracks in metal, bent flanges and side rings, deep rim tool marks on rings or in gutter areas. Watch for the problems illustrated in the following two pages and take the corrective actions to prevent further problems. Remember, it is dangerous to assemble cracked, bent, severely corroded, or sprung rim/wheel components. Such items should be destroyed and discarded.

RIM BASE CRACKS

Circumferential crack at back flange radius or bead seat. – Causes: Overload and/or overinflation, damage from tire tools, deep pitting, corrosion, tire abrasion.

> Circumferential cracks in middle of rim. Causes: Overload, overinflation.

> > Cracks in rim gutter. Causes: Overinflation, hammer damage, improper cleaning, butt weld projection or wrong rings.

Cracks across mounting bevel in a demountable rim. Causes: Excessive clamping torque or improper components.

Flange or rim gutter chorded or bent. Causes: Excessive or improper torque, wrong hub or clamp, severe impact, run flat or hammering on rim gutter.



Mounting ring chorded or bent. Causes: Excessive or improper torque, / wrong hub or clamp, severe impact.

Crack at valve locator. Cause: Overload.

Crack between valve locators. Cause: Overload.

Sheared or distorted valve locator. Causes: Insufficient torque, damaged stud thread, improper clamp wedge length or improper components.

Lateral crack at spoke or clamp fit. Causes: Excessive or improper torque, wrong hub or clamp.

Light Truck Wheels



HOW TO IDENTIFY DAMAGED RIMS/WHEELS

DISC WHEEL CRACKS/BOLT HOLE DISTORTION



Handhole to handhole. Handhole to bolt hole. Handhole to rim. Cause: Overloading.



Bolt hole to bolt hole. Causes: Loose cap nuts, small hub backup (also see bolt hole cracks/distortions).



Cracks at disc nave and/or handhole. Causes: Bad fit-up, damaged hub, overload or sharp edge at handhole.

Tubeless Wheels Stud-Piloted

Tubeless Wheels Hub-Piloted



Crack originating from thin edge of stud hole. Cause: Damaged or worn-out at chamfers.



Chamfer enlarged or wallowed out by nut. Causes: Loose cap nuts or insufficient nut torque due to damaged threads, improper torquing or by wornout nut.

TUBELESS RIM LEAKS



Chamfer extruded on side opposite nut. Causes: Too much torque or improper nut.

Duplex[®] Disc Wheels

Circumferential cracks at bead seat. Causes: Moisture, pitting and erosion by the tire bead.



Circumferential cracks in well radius. Causes: Overload or overinflation. Corrosion due to water from the air lines, improper mounting lubricant, balance or sealer.

Circumferential cracks at attachment weld. Causes: Overload, overinflation or loose mounting on vehicle. Note: Wheel with well welded discs may not be approved for use with radial tires.

Leak at butt weld. Cause: Overload.

Leak at valve hole. Causes: Damage or severe corrosion.

Leak under tire bead, groove or ridge across bead seat. Causes: Corrosion, tire tool marks, bent flange or other damage.



CHANGEOVER FROM CONVENTIONAL TO WIDE BASE TUBELESS TIRES

FRONT APPLICATIONS

	Required Information for I	Juplex® Changeover Calculations			
Γ	Determine the following informat	ion and insert into the calculatior	n below		
OBTAIN THIS INFORMATIO THE CHOICE FOR THE NE\	N FROM THE TRUCK and W WIDE BASE TIRE	OBTAIN THIS INFORMATIO CATALOG AND/OR TIRE DA	OBTAIN THIS INFORMATION FROM THE ACCURIDE CATALOG AND/OR TIRE DATA BOOK		
Existing Wheel/Rim Part Number		Existing Wheel Inset or Rim Offset ⁽¹⁾			
Existing Tire Size		Existing Tire Section Width ⁽²⁾			
Proposed Wide Base Tire Size		Proposed Wide Base Tire Section Width ⁽³⁾			
Existing Overall Width					
Determine the existing wheel inset of Determine the existing tire section v Determine the proposed wheel/rim The new Duplex® wheel inset or rim	or rim offset from the part number and the width from the chart on page 38. width and wide base tire section width fro n offset is determined by inserting the abo	e catalog information. Inset is offset minus om the chart on page 33. ave information into the following calculation	s disc thickness on.		
Determine the existing wheel inset of Determine the existing tire section v Determine the proposed wheel/rim The new Duplex® wheel inset or rim	or rim offset from the part number and the width from the chart on page 38. width and wide base tire section width fro n offset is determined by inserting the abo Wide Base Cha	e catalog information. Inset is offset minus om the chart on page 33. ove information into the following calculation ngeover Calculation	s disc thickness on.		
Existing Wheel Inset + or Rim Offset	or rim offset from the part number and the width from the chart on page 38. width and wide base tire section width fro n offset is determined by inserting the abo Wide Base Cha Existing Tire Section ÷ 2 = Width	e catalog information. Inset is offset minus om the chart on page 33. we information into the following calculati ngeover Calculation Propose - Wide Base T Section W	ed NEW DUPLEX rire ÷ 2 = WHEEL INSET ridth RIM OFFSET		
Existing Wheel Inset + or Rim Offset	or rim offset from the part number and the width from the chart on page 38. width and wide base tire section width fro n offset is determined by inserting the abo Wide Base Cha Existing Tire Section ÷ 2 = Width = [e catalog information. Inset is offset minus om the chart on page 33. Inve information into the following calculation ngeover Calculation Propose - Wide Base T Section W	ed NEW DUPLEX ed NEW DUPLEX ire ÷ 2 = WHEEL INSET idth RIM OFFSET		
Existing Wheel Inset + or Rim Offset 	or rim offset from the part number and the width from the chart on page 38. width and wide base tire section width fro n offset is determined by inserting the abo Wide Base Cha Existing Tire Section ÷ 2 = Width = humber listings on page 18 ar noice will maintain the existin	e catalog information. Inset is offset minus om the chart on page 33. Inve information into the following calculation ngeover Calculation Propose - Wide Base T Section W - Uide Choose the next smaller av g inside clearance between th	adisc thickness on. ire ÷ 2 = WHEEL INSET (idth RIM OFFSET = = = ailable wheel inset or rim o ne tire or wheel/rim and the		



It is recommended that the wheel/rim be mounted on the truck without the tire to verify clearances prior to tire mounting. Products which have had a tire mounted may not be returned.



CHANGEOVER FROM CONVENTIONAL TO WIDE BASE TUBELESS TIRES

FRONT APPLICATIONS CONTINUED

Wide Base Tire Section Width and Dimension Chart Information from The 2022 Tire & Rim Association Yearbook									
Tire Size	Rim Width	Tire Section Width							
15R22.5	11.75 12.25	15.30 15.50 ⁽¹⁾							
445/50R22.5	14.00	17.52							
445/55R 22.5	14.00	17.80							
385/65R22.5	11.75 12.25	15.31 15.51 ⁽¹⁾							
16.5R22.5	13.00 12.25	16.75 16.45 ⁽¹⁾							
425/65R22.5	12.25 13.00 14.00	16.61 16.91 ⁽¹⁾ 17.31 ⁽¹⁾							
445/65R22.5	13.00 14.00	17.48 17.88 ⁽¹⁾							
18R22.5	13.00 14.00	17.60 ⁽¹⁾ 18.00							

⁽¹⁾ This value was calculated by the following formula: Tire section width will change 0.1" each 1/4" change in rim width from the design rim width.



SELECTED DUPLEX® CHANGEOVER APPLICATIONS 385/65R22.5 TIRE SIZE

Factors which may effect fitment:

- Drum clearance on older applications
- Inside clearance
- Maximum outside track (overall width) (max is usually 102")

Use the following recommendations:

- Inside clearance will be preserved and the outside track will increase by 9"
- For Hub-Piloted steel wheel applications:
 - 12.25 width

Alternative Recommendation

- The new overall width will be increased 7½" and the inside clearance will be reduced by ¾"
- For Hub-Piloted steel wheel applications:
 - 12.25 width



SELECTED DUPLEX® CHANGEOVER APPLICATIONS 425/65R22.5 TIRE SIZE

Factors which may effect fitment:

- Drum clearance on older applications
- Inside clearance
- Maximum outside track (overall width) (max is usually 102")

Use the following recommendations:

- Note that the inside clearance will be reduced by ¾" and the outside track will increase by 10"
- For Hub-Piloted steel wheel applications:
 - 12.25 width

Alternative Recommendation

- The new overall width will be increased 81⁄2" and the inside clearance will now be reduced by 11⁄2".
- For Hub-Piloted steel wheel applications:
 - 12.25 width



Note 1: Changeover also applies to 275/80 and 295/75 low profile tires.



Factors which may effect fitment:

- Drum clearance
- Inside clearance
- Maximum outside track (width) (max is usually 102")

Use the following recommendations:

- Hub-Piloted applications only
- New overall width is increased as follows:
 - 385/65R22.5 tire 3¾" each side of the vehicle
 - 425/65R22.5 tire 41/4" each side of the vehicle
- Reduces the inside clearance as follows:
 - 385/65R22.5 tire approx 1"
 - 425/65R22.5 tire approx 11/2"

Alternative recommendation:

- Hub-Piloted applications only
 - Overall width increases an additional 2" each side from the dimensions shown above and in the sketch.
 - Inside clearance is not changed from original.



Hub-Piloted Tubeless Wheels

Stud-Piloted Tubeless Wheels

Duplex[®] Disc Wheels

Light Truck Wheels

SELECTED DUPLEX® CHANGEOVER APPLICATIONS – DRIVE/TRAILER

Factors which may effect fitment:

- Drum clearance on older applications
- Centerline alignment is recommended for best distribution of bearing loads. If outside alignment changeovers are preferred, bearing loads should be verified with axle manufacturer.

385/65R22.5 and 425/65R22.5 Recommendations:

- Hub-Piloted applications:
 - 12.25 width Aluminum 29378 (385 and 425 Tires)
 - 13.00 width Aluminum 29380 (425 Tire Only)

445/50R22.5

- Tractor Applications
 - Hub-Piloted applications:
 - 14.00 width Aluminum 43142

• Trailer Applications

- Hub-Piloted applications:
 - 14.00 width Aluminum 43140



Note 1: Changeover also applies to 275/80 and 295/75 low profile tires.



DUAL SPACING OF WHEELS

As shown in the diagram below, the sum of the wheel offsets of the two wheels used equals the dual spacing. The recommended minimum dual spacing for tire clearance is shown in the chart to the right.

Tire clearance can be calculated by subtracting one tire section width from the sum of the two wheel offsets. This information is found in tire data books (also see chart). For more accuracy, the grown tire width at the rated load can be used instead of the new tire section width. This dimension can be obtained either by actual measurement of the tire width (including protective side ribs) or by referring to the tire manufacturer's data book.

In addition to determining tire clearance, the wheel offset directly affects two other important dimensions: (1) the vehicle clearance and (2) the overall vehicle width of tires (see diagram below).

Vehicle body clearance, which is the distance from the inside tire to the spring or other body structures, will change proportionally to any change in offset of the inside wheel.

The overall vehicle width of tires is the distance from the outside tire wall of one tire to the outside tire wall of the tire on the opposite end of the axle. This dimension will be altered correspondingly by an increase or decrease in wheel offset. Overall vehicle width will change proportionally to any offset changes of the wheel, if the tire projects beyond the body structure. The maximum vehicle width is regulated by law.



Information from The T	Tire & Rim Association Yearbook					
Tire Sizes	Design Rim	Tire Section	Minimum Dual			
Tire Sizes	widtn ^w	WIDth®	Spacing			
	ght Iruck					
6.50 ★ 16LI	4.50	/.15	8.30			
7.50 ★ 16LT [™]	6.00	8.65	10.00			
LT215/85R16	6.00	8.50	9.88			
LT225/75R16	6.00	8.78	10.20			
LT245/75R16	7.00	9.76	11.34			
LT265/75R16	7.50	10.51	12.20			
LT285/75R16	8.00	11.26	13.07			
LT235/70R16	7.00	9.45	10.94			
LT235/85R16	6.50	9.25	10.75			
LT255/70R16	7.50	10.24	11.89			
LT255/85R16	7.00	10.04	11.65			
LT275/70R16	8.00	10.98	12.76			
LT235/80R17	6.50	9.25	10.75			
LT265/70R17	8.00	10.71	12.44			
Medium A	And Heavy T	ruck				
9R17.5HC	6.75	9.00	10.30			
10R17.5HC	7.50	10.00	11.40			
8R19.5	6.00	8.00	9.10			
225/70R19.5	6.75	8.90	10.00			
245/70R19.5	7.50	9.76	10.98			
265/70R19.5	7.50	10.31	11.61			
305/70R19.5	9.00	12.01	13.50			
9R22.5	6.75	9.00	10.30			
10R22.5	7.50	10.00	11.40			
11R22.5	8.25	11.00	12.50			
12R22.5	9.00	11.80	13.50			
235/80R22.5	6.75	9.17	10.31			
245/75R22.5	7.50	9.76	10.98			
255/70R22.5	7.50	10.04	11.30			
265/75R22.5	7.50	10.31	11.61			
275/80R22.5	8.25	10.87	12.24			
295/75R22.5	9.00	11.73	13.19			
305/75R22.5	9.00	12.01	13.50			
315/80R22.5	9.00	12.28	13.82			
11R24.5	8.25	11.00	12.50			
12R24.5	9.00	11.80	13.50			
275/80R24.5	8.25	10.87	12.24			
285/75R24.5	8.25	11.14	12.52			

⁽¹⁾ A \star denotes both radial and bias tires.

⁽²⁾ For additional approved rim contours and widths see page 38.

⁽³⁾ Tire section width and minimum dual spacings will change 0.1" for each 1/4" change in rim width from the design rim width.



CHANGEOVER FROM TUBE-TYPE TO TUBELESS TIRES

Tubeless tires mounted on one-piece 15° drop center rims are completely interchangeable with tube-type tires and rims on the same cast spoke wheels except for cast spoke wheels designed to carry 8.5 and wider tube-type rims. When making a tubeless conversion, the first step is to select the proper replacement tubeless tire and dropcenter rim.

The next step is to determine the dual spacing of the original rim and spacer band combination for 5° and FL rims. Find the dual spacing for the new tubeless assembly using the original size spacer band. If this spacing varies considerably from that of the original



tube-type assembly, the clearance between tires, vehicle body clearance, and/or overall width of dual tires may be incorrect. These conditions will require a change in width of the spacer bands and possibly the clamps.

Tubeless Tire and Rim Changeover Table Tube-Type Replaced by Preferred Alternate Tire Tubeless Tire Rim **Tubeless Rim** (Width x Dia.) (Width x Dia.) (Dia. x Width) (Dia. x Width) 8.25R15TR 9R17.5HC 17.5 x 6.75HC ____ 9.00R15TR 10R17.5HC 17.5 x 7.50HC 17.5 x 6.75HC 8.25R20 9R22.5 22.5 x 6.75 22.5 x 7.50/6.00 22.5 x 7.50 9.00R20 10R22.5 22.5 x 6.75 10.00R20 11R22.5 22.5 x 8.25 22.5 x 7.50 10.00R22 11R24.5 24.5 x 8.25 24.5 x 7.50 11.00R20 12R22.5 22.5 x 9.00 22.5 x 8.25 11.00R22 12R24.5 24.5 x 9.00 24.5 x 8.25

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Available Accurice Educational, informational, and Training Items						
ITEM DESCRIPTION	ITEM DESCRIPTION					
CATALOGS Wheel and Rim Catalog - English SAFETY AND SERVICE MANUALS Safety/Service Manuals - English Safety/Service Manuals - Spanish	VIDEO Accuride Wheels Service Video					
CHARTS Accuride Rim & Ring Matching Wall Chart System Identification Chart Wheel Out of Service Wall Chart WRIS Nut Torque Chart	OTHER Hub-Piloted, 8-Hole, 275mm Bolt Circle chassis label Hub-Piloted, 10-Hole, 285.75mm Bolt Circle chassis label Nut and Chamfer Gage Kit (P/N 5400) Aluminum Wheel Flange Wear Gage #5401K *Accuride Touch Up Pens (Gray 5416, White 5417, Black 5415) *Accuride Touch Up Spray Paint Can (Gray #5411, White #5412, Black #5413)					

*WARNING: This product can expose you to chemicals including ethyl alcohol, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The Accuride Rim/Wheel Safety & Service Manual and other educational, informational, and training items are available free of charge at www.AccurideCorp.com. You may also write to Literature Distribution, Accuride, 38777 Six Mile Road, Suite 410, Livonia, MI or call (800) 626-7096 to receive free copies. Outside the US call (812) 962-5000. You should not, nor should you let your employees, service rims/wheels unless they are thoroughly trained and completely understand this safety information.



CHART FOR PROPERLY MATCHING TRUCK TIRES TO WHEELS

Information obtained from the 2024 Tire & Rim Association Yearbook

Tire Size ⁽¹⁾	Approved Rim Contours ⁽²⁾	Tire Size ⁽¹⁾	Approved Rim Contours ⁽²⁾
	LIGHT TRUCKS	MEDIUM	AND HEAVY DUTY TRUCKS
6.50 ★ 16LT	41⁄2K, 4.50E, 5K, 6K, 6L	8R19.5	5.25, 6.00, 6.00RW, 6.75, 6.75RW
7.50 ★ 16LT	5.50F (SDC), 6K, 6L, 6½L, 7L	225/70R19.5	6.00, 6.00RW, 6.75, 6.75RW
LT225/75R16	6J, 6½J, 7J, 7½J	245/70R19.5	6.75, 6.75RW, 7.50, 7.50RW
LT245/75R16	61⁄2J, 7J, 71⁄2J, 8J	265/70R19.5	7.50, 7.50RW, 8.25, 8.25RW
LT265/75R16	7J, 7½J, 8J, 8½J 9J	305/70R19.5	8.25, 8.25RW, 9.00
LT285/75R16	71⁄2J, 8J, 81⁄2J, 9J, 91⁄2J	9R22.5	6.00, 6.75, 7.50
LT215/85R16	5½J, 6J, 6½J, 7J	10R22.5	6.75, 7.50, 8.25
LT235/80R17	6J, 6½J, 7J, 7½J, 8J	235/80R22.5	6.75, 7.50
LT235/85R16	6J, 6½J, 7J, 7½J	245/75R22.5	6.75, 7.50
LT255/85R16	61⁄2J, 7J, 71⁄2J, 8J	255/70R22.5	6.75, 7.50, 8.25
LT235/70R16	6J, 6½J, 7J, 7½J	265/75R22.5	7.50, 8.25
LT255/70R16	61⁄2J, 7J, 71⁄2J, 8J	11R22.5	7.50, 8.25
LT265/70R17	7J, 7½J, 8J, 8½J	275/80R22.5	7.50, 8.25, 9.00
LT275/70R16	7J, 7½J, 8J, 8½J	295/75R22.5	8.25, 9.00
LO	W PLATFORM TRAILERS	305/75R22.5	8.25, 9.00
9R17.5HC	6.75HC, 6.75	12R22.5	8.25, 9.00
215/75R17.5HC	6.00HC, 6.75HC	315/80R22.5	9.00
10R17.5HC	6.75HC, 7.50HC, 6.75, 7.50	11R24.5	7.50, 8.25
(1) A + depotes both radial as	d bias bizas. As D indicatas radial bizas aslu	275/80R24.5	7.50, 8.25, 9.00
⁽²⁾ SDC denotes semi-drop cer	u blas thes. All R indicates faulat thes only. hter rims.	12R24.5	8.25, 9.00
Note: For tire sizes not showr	n, consull the Tire Manufacturer for approved rim	285/75R24.5	7.50, 8.25, 9.00
contours.		W	IDE BASE (DUPLEX®)
		385/65R22.5	11.75, 12.25
		16.5R22.5	12.25, 13.00
		425/65R22.5	12.25, 13.00, 14.00
		445/50R22.5	14.00, 15.00
		445/65R22.5	13.00, 14.00

455/55R22.5

14.00, 15.00

Hub-Piloted Tubeless Wheels



INSET – The wheel centerline is inboard of the hub/drum mounting surface.

OUTSET – The wheel centerline is outboard of the hub/drum mounting surface.

ACCURIDE



OBSOLETE PART NUMBER INDEX

Part Number	Size	Mounting Type	Outset ⁽¹⁾	Inset ⁽¹⁾	Potential Replace ⁽²⁾	Part Number	Size	Mounting Type	Outset ⁽¹⁾	Inset ⁽¹⁾	Potential Replace ⁽²⁾
27461	22.5 x 8.25	10H - 11.25"	6.62		27833C ⁽⁴⁾	29374	22.5 x 12.25	10H - 285.75mm		4.75	N/A
27471	22.5 x 8.25	10H - 11.25"	6.59		28615	29376	22.5 x 13.00	10H - 285.75mm		5.25	N/A
27503	22.5 x 8.25	10H - 11.25"	6.62		27404(4)	29058	22.5 x 13.00	10H - 285.75mm		5.25	N/A
27611	22.5 x 8.25	10H - 11.25"	6.62		27834C ⁽⁴⁾	29110	22.5 x 8.25	10H - 11.25"	6.59		28615
27685	22.5 x 7.50	10H - 11.25"	6.44		27403	29112	22.5 x 8.25	10H - 11.25"	6.59		28615
27686	22.5 x 8.25	10H - 11.25"	6.62		27833C(4)	29118	24.5 x 8.25	10H - 11.25"	6.59		27599
27688	24.5 x 8.25	10H - 11.25"	6.62		27406	29120	24.5 x 8.25	10H - 11.25"	6.59		27599
27709	22.5 x 8.25	10H - 11.25"	6.62		27834C ⁽⁴⁾	29137	24.5 x 8.25	10H - 285.75mm	6.59		42362
27765	22.5 x 8.25	10H - 11.25"B	6.62		27834C ⁽⁴⁾	29146	22.5 x 13.00	10H - 285.75mm		0.63	N/A
27766	22.5 x 8.25	10H - 11.25"B	6.62		27834C ⁽⁴⁾	29378	22.5 x 12.25	10H - 285.75mm	0.56		N/A
27833	22.5 x 8.25	10H - 11.25"	6.62		27833C	29165	24.5 x 8.25	10H - 285.75mm	6.59		42362
27834	22.5 x 8.25	10H - 11.25"B	6.62		27834C	29168	24.5 x 8.25	10H - 285.75mm	6.62		28827
27836	22.5 x 8.25	10H - 11.25"	6.62		27404(4)	29170	24.5 x 8.25	10H - 285.75mm	6.59		42362
28112	17.5 x 6.75HC	10H - 8.75"	6.19		N/A	29171	24.5 x 8.25	10H - 285.75mm	6.59		42362
28145	17.5 x 6.75HC	6H - 8.75"	6.07		N/A	29174	22.5 x 13.00	10H - 285.75mm		2.62	N/A
28408	22.5 x 8.25	10H - 285.75mm	6.62		51408	29178	24.5 x 8.25	10H - 285.75mm	6.59		42362
28409	24.5 x 8.25	10H - 285.75mm	6.62		50409	29179	24.5 x 8.25	10H - 285.75mm	6.59		42362
28410	24.5 x 8.25	10H - 11.25"	6.62		27406	29184	24.5 x 8.25	10H - 285.75mm	6.59		42362
29307	19.5 x 14.00	10H - 11.25"	4.63	4.00	N/A	29185	24.5 x 8.25	10H - 285.75mm	6.59		42362
28452	24.5 x 8.25	10H - 285.75mm	6.59		42362	29189	24.5 x 8.25	10H - 285.75mm	6.59		42362
28466	19.5 x 6.75	8H - 275mm	5.50		50180	29237	19.5 x 7.50RW CAST	8H - 275mm	6.25		40160
28473	24.5 x 8.25	10H - 11.25"	6.59		27599	29300	22.5 x 9.00	10H - 285.75mm	6.62		50300
28474	22.5 x 8.25	10H - 11.25"	6.59		28615	29380	22.5 x 13.00	10H - 285.75mm		0.56	N/A
28476	22.5 x 8.25	10H - 11.25"	6.62		28476C	29304	19.5 x 7.50RW CAST	10H - 285.75mm	6.25		41685
28487	22.5 x 8.25	10H - 285.75mm	6.62		51487	29309	24.5 x 8.25 CAST	10H - 285.75mm	6.59		42362
28510	22.5 x 9.00	10H - 11.25"	7.00		50510	29334	16 x 6K	8H - 6.50"	5.00		N/A
28532	19.5 x 6.75	8H - 275mm	5.66		50180	29342	19.5 x 7.50RW	10H - 285.75mm	6.25		41685
28542	22.5 x 9.00	10H - 285.75mm	7.00		50300	29362	24.5 x 8.25	10H - 285.75mm	6.59		42362
29508	16 x 7K	8H - 6.50"		0.25	N/A	29364	22.5 x 9.00	10H - 335mm	6.93		50593
28548	22.5 x 8.25	10H - 285.75mm	6.59		40620	29369	19.5 x 7.50RW	8H - 275mm	6.25		40160
28549	22.5 x 8.25	10H - 11.25"	6.62		27404	29388	19.5 x 6.00RW	6H - 8.75"	5.00		N/A
28632	22.5 x 8.25	10H - 11.25"	6.59		N/A	29396	22.5 x 8.25	10H - 285.75mm			51637
28612	19.5 x 6.75RW	8H - 275mm	5.60		50180	29546	22.5 x 9.00	10H - 285.75mm	3.12		29039(3)
28613	22.5 x 8.25	10H - 285.75mm	6.59		40008	29571PK	22.5 x 8.25	10H - 11.25"	6.62		27833C
28628	22.5 x 8.25	10H - 11.25"	6.59		28615	29579	16 x 6K	8H - 6.50"	5.15		N/A
28641	24.5 x 8.25	10H - 285.75mm	6.62		50641	29583	16 x 6K	8H - 170mm	5.35		N/A
28642	22.5 x 7.50	10H - 285.75mm	6.44		29001	29584	19.5 x 6.00RW	8H - 225mm	5.35		N/A
28656	17.5 x 6.75HC	8H - 275mm	5.60		40171	29587	16 x 6K	8H - 6.50"	5.00		N/A
28680	19.5 x 6.75RW	8H - 275mm	5.60		50180	29588	16 x 6.5J	8H - 6.50"	5.04		N/A
29683	22.5 x 12.25	10H - 285.75mm	4.75		N/A	29602	19.5 x 8.25RW	10H - 285.75mm	6.63		41602
29015	19.5 x 6.00	8H - 6.50"	5.00		N/A	29627	22.5 x 14.00	10H - 285.75mm	2.00	1.38	43142 ALU

⁽¹⁾ Outset/Inset—(Inches) See Pg. 39 or Pg. 42 for definition
⁽²⁾ Check vehicle clearances prior to mounting tire.
⁽³⁾ Well Welded—check clearance I.D. upon replacement.
⁽⁴⁾ Check clearance.

ACCURIDE

OBSOLETE PART NUMBER INDEX

Part Number	Size	Mounting Type	Outset ⁽¹⁾	Inset ⁽¹⁾	Potential Replace ⁽²⁾
29637	22.5 x 8.25	10H - 285.75mm	6.59		51637
29660	22.5 x 14.00	10H - 285.75mm	2.00		43142 ALU
29667	19.5 x 6.00	10H - 7.25"	5.08		N/A
29685	19.5 x 7.50RW	10H - 285.75mm	6.25		41685
29699	24.5 x 8.25	10H - 285.75mm	6.59		40699
29705	24.5 x 8.25	10H - 285.75mm	6.59		40699
29707	24.5 x 8.25	10H - 285.75mm	6.59		40699
29730	22.5 x 9.00	10H - 285.75mm	7.00		41730
29585	19.5 x 6.75RW	8H - 225mm	5.50		N/A
27775	19.5 x 6.00	10H - 7.25"	5.00		N/A
29846TK	22.5 x 9	10H - 335mm	6.93		50593
29879	19.5 x 6.75RW	10H - 225mm	5.50		N/A
29884	19.5 x 6.00RW	10H - 225mm	5.35		N/A
29890TK	22.5 x 14.00	10H - 285.75mm	2.00	1.38	43142 ALU
29891TK	22.5 x 14.00	10H - 285.75mm	0.00	0.63	43140 ALU
40012	22.5 x 9.00	10H - 285.75mm	3.12		41012
40014	22.5 x 8.25	10H - 335mm	6.69		41014
40016	22.5 x 14.00	10H - 285.75mm	0.50		43140
41016	22.5 x 14.00	10H - 285.75mm	0.50		43140
41140	22.5 x 14.00	10H - 285.75mm	0.50		43140
41142	22.5 x 14.00	10H - 285.75mm	2.00		43142
41660	22.5 x 14.00	10H - 285.75mm	2.00		43142
42140	22.5 x 14.00	10H - 285.75mm	0.50		43140
42142	22.5 x 14.00	10H - 285.75mm	2.00		43142
42644	22.5 x 8.25	10H - 285.75mm	6.59		43644
50052	22.5 x 12.25	10H - 285.75mm	5.625	5.0	N/A
50095	17 x 6.5	8H - 6.5"	5.20		N/A
29695	19.5 x 6.75RW	8H - 275mm			N/A
50271	17 x 6.5J	8H-165.10mm	5.20		N/A
50307	22.5 x 8.25	10H - 285.75mm	6.60		51487
50308	22.5 x 8.25	10H - 285.75mm	6.60		51408
50379	24.5 x 8.25	10H - 285.75mm	6.59		50409
50381	24.5 x 8.25	10H - 285.75mm	6.59		50641
50408	22.5 x 8.25	10H - 285.75mm	6.60		51408
50487	22.5 x 8.25	10H - 285.75mm	6.60		51487
50642	17 x 6.5J	8H - 210mm	5.39		N/A

If your wheel's part number cannot be found, a replacement is not available. Additionally, if you have questions related to obsolete part numbers due to the closure of the London facility, please contact your Accuride sales representative for further assistance.

(1) Outset/Inset—(Inches) See Pg. 39 or Pg. 42 for definition

⁽²⁾ Check vehicle clearances prior to mounting tire.
⁽³⁾ Well Welded—check clearance I.D. upon replacement.

⁽⁴⁾ Check clearance.



RIM/WHEEL GLOSSARY

APPROVED RIM WIDTH - Rim width sizes approved by The Tire & Rim Association for use with the tire.

BALANCED WHEEL - A wheel that is within 30 inch-ounces of balance.

BEAD SEAT - Surface of a rim that contacts the tire bead. The bead seat angle is usually 5° for tube-type tires and 15° for tubeless tires.

BOLT CIRCLE - The diameter of the circle which traces through the centerline of the bolt holes. It defines the bolt hole spacing around the disc in a wheel.

BOLT HOLES - The holes in the disc of a wheel through which the bolts or the studs pass. For stud-piloted wheels, the bolt holes are chamfered and used to center the wheels.

BORE - The center hole (pilot) of the wheel. With hub mount wheels, it is used to center the wheel.

BUTT WELD - Transverse weld in a rim.

CAPACITY - Demountable rim or disc wheel maximum carrying load. Expressed in load (lbs) and inflation pressure (psi) cold.

DESIGN RIM WIDTH - Nominal rim width. Rim width on which a tire performs best. Approximately 75 percent as wide as the tire width designation.

DEMOUNTABLE RIM - A rim with valve locaters which is used with a cast spoke wheel to provide the method of attaching tires to the vehicle.

DISC WHEEL - A permanent assembly of a disc and a rim.

DOUBLE CAP NUT - The inner and outer nuts used to secure stud-piloted wheels to a vehicle. The inner dual wheel is attached by an inner cap nut with a spherical radius and the outer dual wheel is attached by an outer cap nut with a spherical radius.

DUAL SPACING - Lateral distance from wheel centerline to wheel centerline in a dual wheel arrangement. It is determined by adding two offsets (disc wheels) or two offsets plus one spacer band width (demountable rims).

HALF DUAL SPACING - See "Wheel Offset."

HAND HOLE - Opening in the disc area of a wheel for the purpose of valve stem access to inside dual tire and chain application.

HUB-PILOTED WHEEL - Wheels that are designed to center on the hub at the bore of the wheel. These wheels generally have straight through bolt holes, since the bolt holes only supply clearance for the stud. Hub-piloted wheels are used with two piece flange nuts.

INSET - The lateral distance from the rim centerline to the mounting surface of the disc. Inset places the rim center line inboard of the mounting surface.

LOCK RING - Third piece of a 3-piece rim assembly which locks the side ring to the rim base.

LONG SIDE - The side of the rim which has a ledge.

MINIMUM DUAL SPACING - The minimum allowable distance between the wheel centerlines in a dual arrangement.

MULTI-PIECE RIM - A rim consisting of more than one part. Usually two pieces (rim base and side ring), or three pieces (rim base, side ring, and lock ring).

OFFSET - See "Rim Offset" or "Wheel Offset."

OUTSET - The lateral distance from the rim centerline to the mounting surface of the disc. Outset places the rim centerline outboard of the hub surface.

RIM (also see demountable rim) - The item that supports the tire. It may consist of one piece (tubeless drop center type) or two or three piece (tube-type).

RIM BASE - The major piece of a multi-piece rim assembly. It supports the tire bead on one side, provides a locking mechanism for the side ring or lock ring, and provides a bevel surface for attaching to a spoke wheel.

RIM OFFSET - The lateral distance from the rim surface that contacts the spacer band to the rim centerline.

SHORT SIDE - The side of the rim which does not have a ledge.

SIDE RING - A removable piece of a multi-piece rim assembly which provides lateral support for one tire bead.

SPACER BAND - Band of steel which separates two demountable rims on spoke wheels (also called "spacers").

SPOKE WHEEL - A casting with 3, 5, or 6 spokes that attaches to the axle and provides a means of attaching a demountable rim to a vehicle. Also called "Cast Spoke Wheel."

STUD-PILOTED WHEELS - Wheels that are designed to center on the studs of a hub. These wheels have chamfers at the bolt holes into which a ball seat or conical nut is installed to center the wheel. The center bore of the wheel is only for clearance of the axle end.

SUPER SINGLE - Duplex® or wide base.

TWO-PIECE FLANGE NUT - A nut attached to a washer that is used to secure hub-piloted wheels to a vehicle.

VALVE HOLE - The hole in the rim into which a valve is installed to inflate or deflate the tire/rim assembly.

VALVE LOCATERS - The guides located on either side of the demountable rim valve slot or valve hole to properly locate the tire valve between spokes. Sometimes called "drivers," "rim drivers," "locating lugs," etc.; they are either indented or welded on.

VALVE SLOT - Opening in a tube-type rim to receive the tire tube valve stem.

VENT HOLE - Opening in the disc area of a wheel for the purpose of air ventilation.

WHEEL - See "Spoke Wheel" or "Disc Wheel."

WHEEL OFFSET - The lateral distance from the disc mating surface (surface between the wheels as a dual assembly) to the rim centerline (disc wheel - see page 39).

Light Truck Wheels

Duplex[®] Disc Wheels



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