ACCURIDE™

2026 WHEEL PRODUCT CATALOG

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

NEW! ProShield XGT™

ProShield XGT™ is a patent-pending aluminum surface conversion process engineered to deliver protection, durability, and visual appeal for commercial vehicle wheels. Developed in response to the increasing threat of filiform corrosion—especially from aggressive snow and ice chemicals—ProShield XGT™ represents a significant advancement in wheel surface technology. ProShield XGT™ eliminates significant filiform corrosion on aluminum wheels, withstands extreme road conditions, and extended gloss technology maintains a factory-gloss finish throughout the wheel's service life.

ProShield XGT™ Protects Against the Harshest Conditions

- Mechanical – Chip resistant.
- Thermal – Maintains gloss up to 400°F.
- Chemical – Tested against acids, bases, and everything between.
  - 30W Motor Oil
  - Automotive Grease
  - Diesel Fuel
  - DOT3 Brake Fluid
  - Methyl Ethyl Ketone
  - Sodium Chloride
- Easy to Clean with Just Soap and Water.

ProShield XGT™ Looks Better, Longer

In accelerated corrosion tests, we subjected ProShield XGT™ to repeated exposures to a cocktail of popular deicing agents. Wheels with simulated damage, which extended all the way to the base metal, were put through 80 cycles of temperature, humidity, and drying exposures.

The result – after the equivalent of roughly eight years of abuse – shows no significant filiform corrosion.

Please contact your Accuride sales representative for availability.

ACCURIDE ProShield XGT™

FINISH OPTIONS	CODE
Extended Gloss Technology Improved cleanability, corrosion resistance, and enhanced shine	XGT

Table of Contents

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 KIND OF SAFETY, SERVICE, AND MAINTENANCE 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 ProShield XGT™, Accu-Shield®, ProShield Black and Accu-Armor™ offer a wide range of aluminum wheel finish options for every application.

ALUMINUM FINISHES

Aluminum Finish Code	Aluminum Finish Name
SP	Standard Polish (Both Sides)
SPC	Standard Polish with Accu-Shield®
XP	Extra Polish (Both Sides)
XPC	Extra Polish with Accu-Shield®
XGT	Extra Polish with ProShield XGT™
XB	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.

NEW! ProShield XGT™ (XGT)

ProShield XGT™ is your best defense against the relentless assault of filiform corrosion. Engineered for extreme durability, easy cleanability, and next-level corrosion resistance.

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

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 enhanced 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 enhanced Steel Armor™, please contact your Accuride sales representative.

ACTIVE PART NUMBER INDEX

Part Number	Size and Type	Page Number	Item Number
590-1	Wheel-Guard	22	4
590-2	Wheel-Guard	22	3
590-3	Wheel-Guard	22	2
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27403	22.5 x 7.50	15	4
27404	22.5 x 8.25	15	5
27406	24.5 x 8.25	15	7
27599[2]	24.5 x 8.25	15	3
27833C	22.5 x 8.25	15	6
27834C	22.5 x 8.25	12	2
28476C	22.5 x 8.25	15	8
28608[2]	22.5 x 9.00	15	2
28615[2]	22.5 x 8.25	15	1
28827	24.5 x 8.25	10	13
28828	22.5 x 8.25	10	9
28844[2]	22.5 x 7.50	9	4
29001	22.5 x 7.50	10	2
29039	22.5 x 9.00	10	11
29169	22.5 x 8.25	10	10
29195	19.5 x 7.50RW	10	1
29348[2]	22.5 x 8.25	11	5
29374[2]	22.5 x 12.25	18	3
29376[2]	22.5 x 13.00	18	5
29378[2]	22.5 x 12.25	18	1
29380[2]	22.5 x 13.00	18	4
29506	19.5 x 6.00RW	16	1
29545	24.5 x 8.25	10	8
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°	-	-
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
40171	17.5 x 6.75	11	1
40180[2]	22.5 x 9.00	13	4
40550	24.5 x 8.25	9	13
40620[2][3]	22.5 x 8.25	-	-
40639[2][3]	22.5 x 9.00	-	-
40680[2]	22.5 x 8.25	9	3
40682[2]	22.5 x 14.00	18	6
40699[2][3]	24.5 x 8.25	-	-
41012[2]	22.5 x 9.00	9	10
41014[2]	22.5 x 8.25	13	2
41171[1][2]	17.5 x 6.75	11	1
41362[2]	24.5 x 8.25	9	8
41602[2]	19.5 x 8.25RW	9	2
41644[2]	22.5 x 8.25	9	6
41685[2]	19.5 x 7.50RW	9	1
41730[2]	22.5 x 9.00	9	11

Part Number	Size and Type	Page Number	Item Number
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42930	22.5 x 9.00	9	12
43140[2]	22.5 x 14.00	18	7
43142[2]	22.5 x 14.00	18	8
43644[2]	22.5 x 8.25	9	5
50180	19.5 x 6.75RW	12	1
50201	20 x 10.00	-	-
50291[4]	22.5 x 8.25	-	-
50300	22.5 x 9.00	10	12
50344[4]	22.5 x 8.25	-	-
50409	24.5 x 8.25	10	6
50434	22.5 x 7.50	-	-
50440	22.5 x 8.25	13	5
50510	22.5 x 9.00	15	8
50593	22.5 x 9.00	13	6
50641	24.5 x 8.25	10	7
50882[4]	22.5 x 8.25	-	-
50885[4]	22.5 x 8.25	-	-
51408	22.5 x 8.25	10	3
51422[4]	22.5 x 8.25	-	-
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51487	22.5 x 8.25	10	4
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FTB01	Wheel Hub Cover	22	7
FTC01	Wheel Hub Cover	22	5
RRB01	Wheel Hub Cover	22	8
RRC01	Wheel Hub Cover	22	6

[1] Call (800) 626-7096 for availability and minimum quantities.
[2] Aluminum Wheels.
[3] Available only through Freightliner Dealers.
[4] Available only through PACCAR Dealers.

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 (1)	Industry Standard Aluminum Wheels Duplex® Aluminum Wheels Including: • ProShield XGT™ • Accu-Shield® • Accu-Armor™ • ProShield Black	
Accuride Steel Wheels (1)	Extra Service Wheels™ (ESW) Styled Steel Wheels Tubeless Wheels Steel Armor™ (2)	ProFinish™ Corrosion Only (2) Steel Bolt-Together Specialty Wheels

(1) See Additional Product Specific Limited Warranty Criteria, Remedies and Limitations of Remedies, and refer to the appropriate Accuride guide for additional limited warranty condition details: Accuride Rim/Wheel Safety & Service Manual, and Steel Wheel Refinishing Criteria.

(2) 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.

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. Accuride products, with the exception of STEEL ARMOR™ and PROFINISH™ (for the periods set forth above), 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 their request and at their 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 www.accuridecorp.com/SalesTerms.

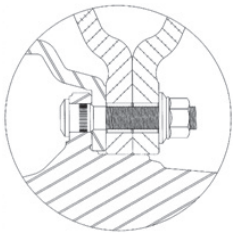
ACCURIDE

HUB-PILOTED TUBELESS WHEELS

ACCURIDE 15° TUBELESS ALUMINUM WHEELS

Hub-Piloted Dual-Mounting Two-Piece Flange Nut

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



Item	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"	.800"	DV545D	33	6700 - 131
2	19.5 x 8.25RW[1][2]	41602SP/XP	6.63"	.825"	DV545D	35	7250 - 131
3	22.5 x 8.25[4]	40680SP/XP	6.59"	.875"	DV545D	50	7400 - 131
4	22.5 x 7.50	28844SP/XP[6]	6.45"	.935"	DV545D	55	7300 - 120
5	22.5 x 8.25[5]	43644SP/XP[6]	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]	6.59"	.800"	DV545D	50	7400 - 131
8	24.5 x 8.25	41362XP	6.61"	.866"	TR555D	56	7400 - 131
			Heavy Load Applications				
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	22.5 x 9.00	42930SP/XP	7.00"	.800"	DV545D	43	8000 - 131
13	24.5 x 8.25	40550SP/XP	6.59"	.950"	DV545D	60	8300 - 131

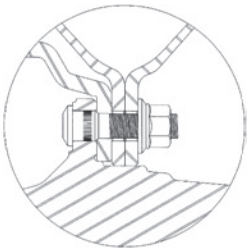
[1] "RW" denotes revised well for increased brake clearance.
[2] Requires special 15 x 8⅝" brake package.
[3] Not approved for dual application. (inset listed)
[4] Wheel has no handholes.
[5] Wheel has the chamfered hub design.
[6] Refer to bulletins ACC2.027, ACC2.028 and ACC2.029 for heavy duty application.

ACCURIDE 15° TUBELESS STEEL WHEELS

Hub-Piloted Dual-Mounting Two-Piece Flange Nut

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

ACCUMOUNT EXTRA SERVICE WHEELS



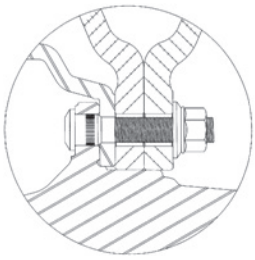
Item	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 7.50RW[1][2]	29195	5	6.40"	.437"	TR546-36	65	6700 - 120
2	22.5 x 7.50	29001	5	6.44"	.437"	TR572-19	72	6610 - 120
3	22.5 x 8.25	51408[5]	2	6.60"	.437"	TR572-F19[4]	67	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[5]	2	6.60"	.437"	TR572-D19	78	7400 - 120
7	24.5 x 8.25	50641[5]	5	6.60"	.437"	TR572-D19	76	7400 - 120
8	24.5 x 8.25	29545[5]	10	6.62"	.437"	TR573	85	7400 - 120
			Heavy Load Applications					
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 8⅝" 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 ACC2.020, ACC2.021 and ACC2.022 for heavy duty application.

ACCURIDE 15° TUBELESS ALUMINUM WHEELS

Hub-Piloted Dual-Mounting Two-Piece Flange Nut

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



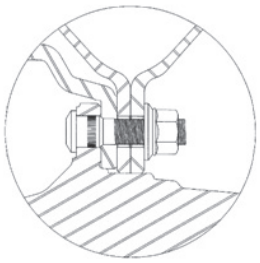
Item	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	17.5 x 6.75	40171SP/XP	5.55"	.827"	TR544C	30	5515 - 142
2	19.5 x 6.75RW[1][2]	29695SP/XP	5.60"	.830"	DV545D	36	5000 - 125
3	19.5 x 7.50RW[1][2]	40160SP/XP	6.25"	.875"	DV545D	39	6700 - 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.

ACCURIDE 15° TUBELESS STEEL WHEELS

Hub-Piloted Dual-Mounting
Two-Piece Flange Nut

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

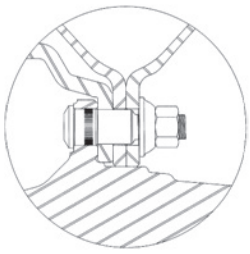


Item	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	19.5 x 6.75RW[2][4]	50180[1][3]	4	5.50"	.375"	TR575	59	5500 - 120

[1] Fits only ISO hub back-up diameter for 8-hole, 275mm system.
[2] "RW" denotes revised well for increased brake clearance.
[3] Bolt holes are 25mm. ISO standards are 24mm.
[4] Requires special 15 x 8⅝" brake package.

Hub-Piloted Dual-Mounting
Two-Piece Flange Nut

10-Hole, 11¼" Bolt Circle, 8.67" Bore
Special Bus Application with 1.22" Bolt Holes
EXTRA SERVICE WHEELS



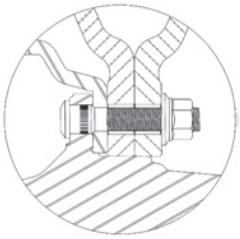
Item	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
2	22.5 x 8.25	27834C[5][6]	5	6.62"	.437"	TR572	76	7400 - 120

[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



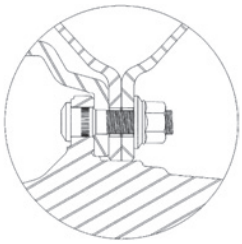
Item	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	22.5 x 8.25	29560SP/XP	6.69"	.866"	DV3.20.2	53	8046 – 138
2	22.5 x 8.25[1]	40014SP/XP	6.69"	.866"	DV3.20.2	53	8046 – 138
3	22.5 x 9.00	29562SP/XP	6.89"	.866"	DV3.20.2	55	9094 – 141
4	22.5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

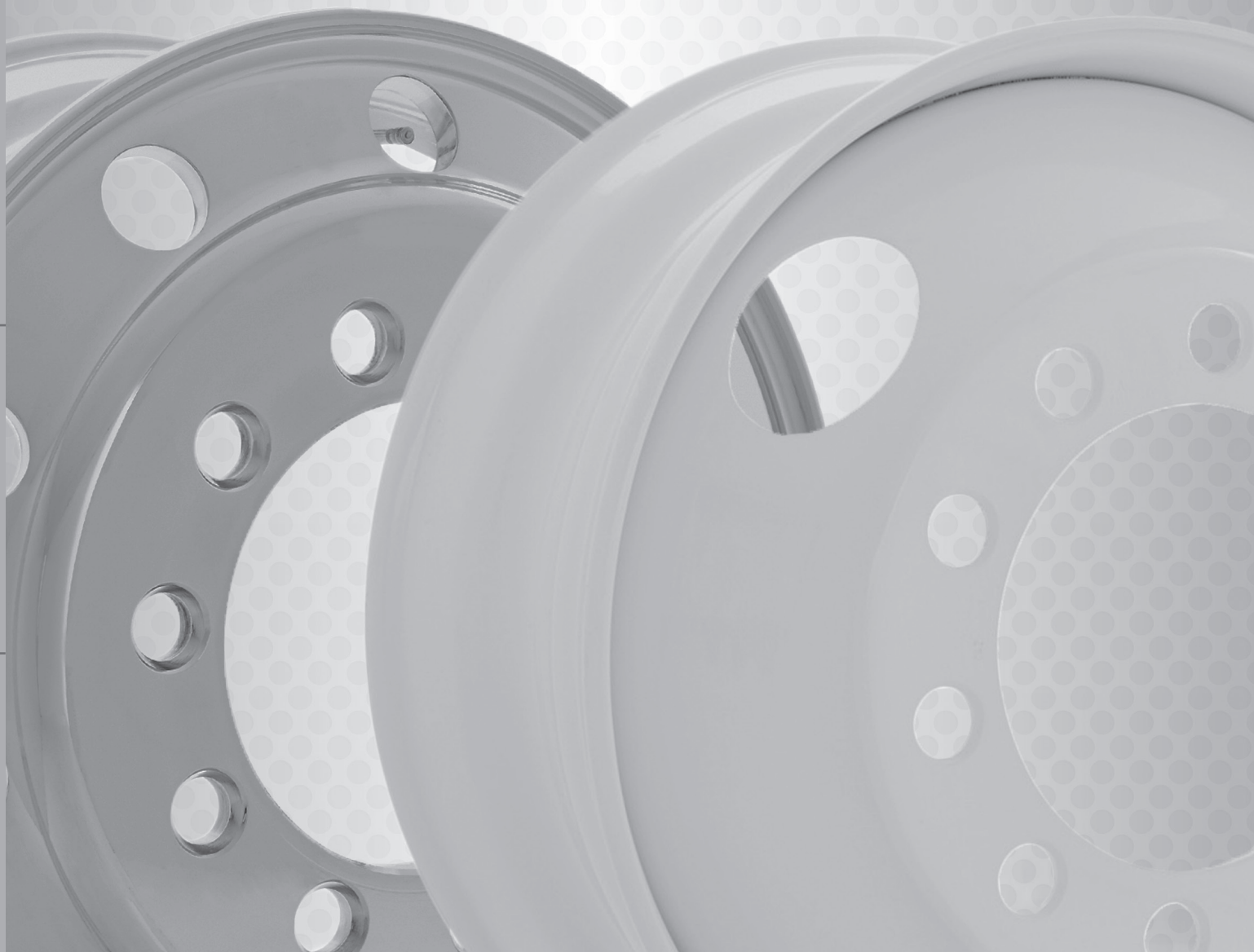
10-Hole, 335mm Bolt Circle, 281mm Bore
ULTRAMOUNT 335



Item	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	50440	10	6.62"	.433"	TR570-E14	87	7800 - 130
6	22.5 x 9.00	50593	10	7.00"	.625"	TR573-D23	111	10500 - 130

ACCURIDE

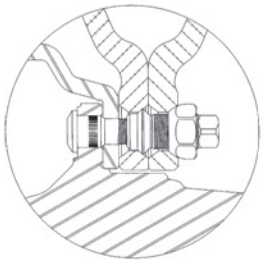
STUD-PILOTED TUBELESS WHEELS



ACCURIDE 15° TUBELESS ALUMINUM WHEELS

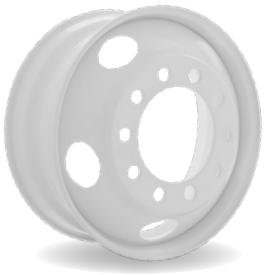
Stud-Piloted Dual-Mounting
Double Cap Nut

10-Hole, 11¼" Bolt Circle, 8.72" Bore



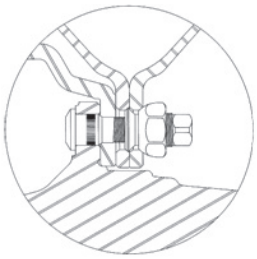
Item	Wheel Size	Part Number	Wheel Offset	Disc	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	22.5 x 8.25	28615SP/XP[4]	6.59"	.935"	DV545D	54	7250 - 120
2	22.5 x 9.00	28608SP/XP[4]	7.00"	.980"	DV545D	60	9000 - 130
3	24.5 x 8.25	27599SP/XP[4]	6.59"	.935"	DV545D	62	7200 - 120

ACCURIDE 15° TUBELESS STEEL WHEELS



Stud-Piloted Dual-Mounting
Double Cap Nut

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



Item	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[5]	2	6.62"	.437"	TR572	78	7400 - 120
6	22.5 x 8.25	27833C[1][2][5]	5	6.62"	.437"	TR572	75	7400 - 120
7	24.5 x 8.25	27406 [5]	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.
[4] Refer to bulletins ACC2.027, ACC2.028 and ACC2.029 for heavy duty application.
[5] Refer to bulletins ACC2.020, ACC2.021 and ACC2.022 for heavy duty application.

ACCURIDE 15° TUBELESS STEEL WHEELS

Steel Stud-Piloted Mounting
Double Cap Nut

6-Hole, 222.25 mm, Japanese

Item	Wheel Size	Part Number	Hand Holes	Wheel Offset	Disc	Recommended Valve[1]	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) – (psi)
1	19.5 x 6.00RW[1]	29506	6	127mm	9.53mm	V3-20-1	50.5	3640 - 110

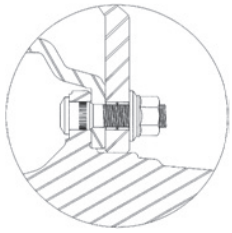
[1] "RW" denotes revised well for increased brake clearance.

DUPLEX® DISC WHEELS

ACCURIDE 15° TUBELESS DUPLEX® DISC WHEELS

Aluminum Hub-Piloted Mounting[1]
Two-Piece Flange Nut

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

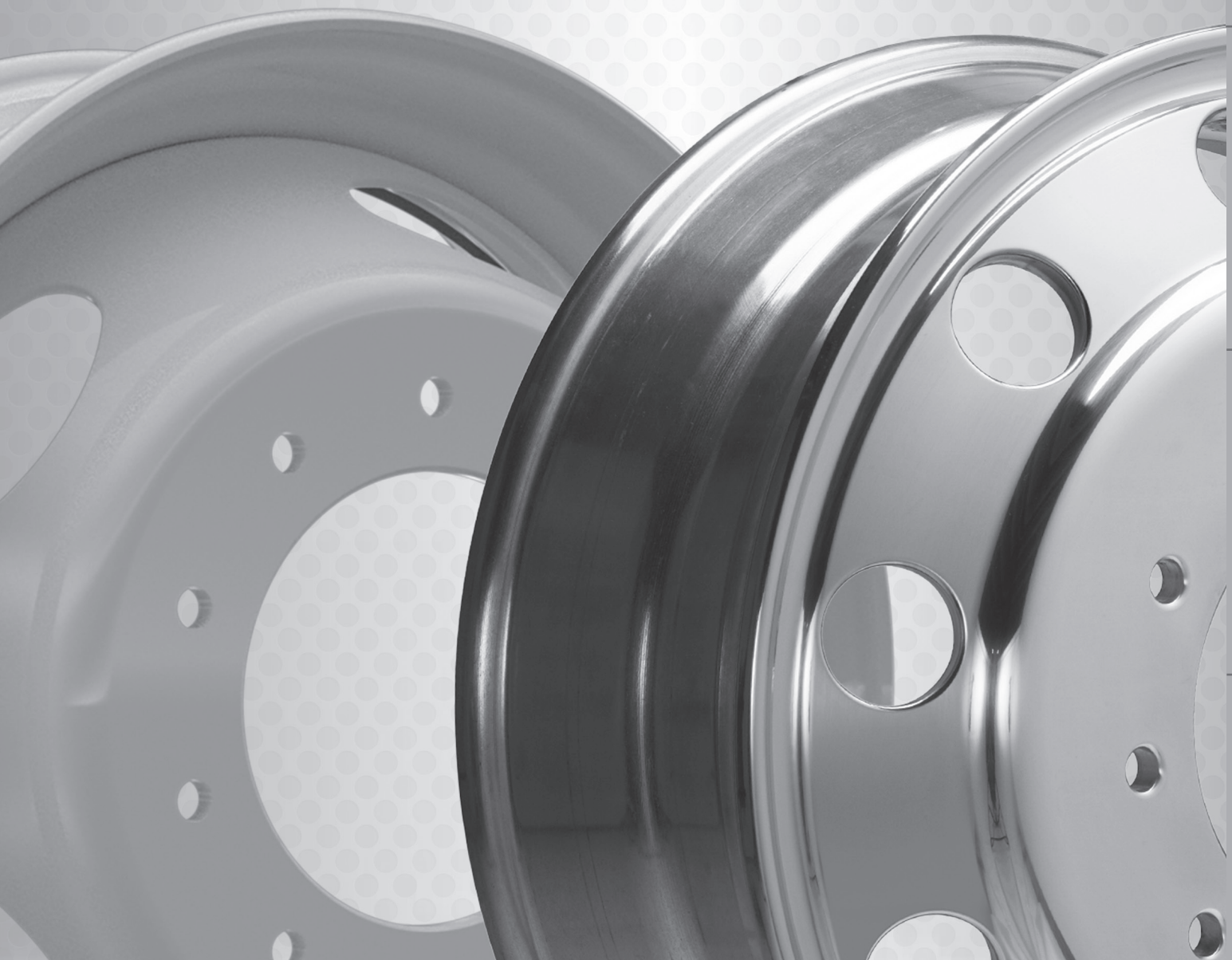


Item	Wheel Size	Part Number	Inset[2]	Outset[2]	Disc Thickness	Installed Valve	Approx. Wt. (lbs)	Maximum Load & Infl. (lbs) - (psi)
1	22.5 x 12.25	29378SP/XP	---	0.56"	1.120"	DV543E	62	11400 – 120
2	22.5 x 12.25	29683SP/XP	2.88"	4.00"	1.125"	DV545E	62	12300 – 125
3	22.5 x 12.25	29374SP/XP	4.75"	---	1.125"	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 studs and 450-500 ft. – lbs. nut torque are recommended.
[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.

ACCURIDE

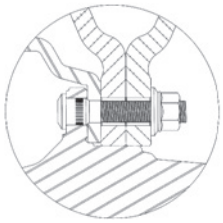
LIGHT TRUCK WHEELS



LIGHT TRUCK WHEELS

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

10-Hole, 225mm Bolt Circle, 170.10mm Bore



Item	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

WHEEL-GUARD® SEPARATOR PLATE

590-1

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.

Item	Part Number	Bolt Circle	Application
1	790-2	8 hole - 275mm	hub-piloted; 22mm diameter studs
2	590-3	10 hole - 285.75mm	hub-piloted; 22mm diameter studs
3	590-2	10 hole - 11¼"	stud-piloted; ¾" diameter studs
4	590-1	10 hole - 11¼"	stud-piloted; ⅞" and 1⅛" 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.

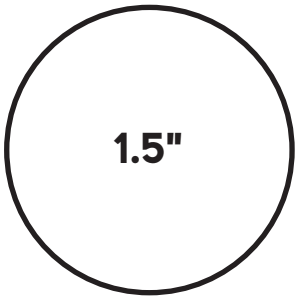
Item	Part Number	Position	Finish
5	FTC01	Front	Chrome
6	RRC01	Rear	Chrome
7	FTB01	Front	Black
8	RRB01	Rear	Black

RECOMMENDED NUT TORQUE

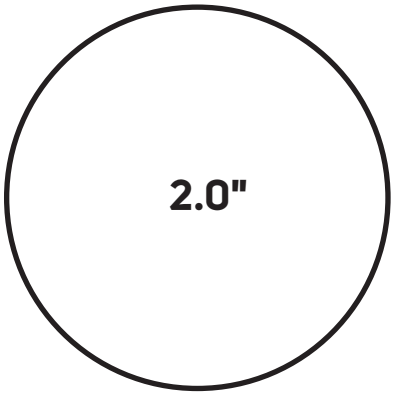
Mounting	Thread Size	Torque ft-lbs	Nut Type
MEDIUM/HEAVY TRUCK, TRAILER AND BUS			
6-Hole, 222.25mm Stud-Piloted Japanese .866" Nut Type	M20 x 1.5	325 - 400	.866" spherical radius
10-Hole, 13 3/16" HD Stud-Piloted	15/16 - 12	750 - 900	1.187" spherical radius
	1 - 5/16 - 12	750 - 900	1.187" spherical radius
10-Hole, 335mm Hub-Piloted	M22 x 1.5	450 - 500	Two piece flange
10-Hole, 11 1/4" Stud-Piloted	3/4 - 16	450 - 500	.875" spherical radius
	1 - 1/8 - 16	450 - 500	.875" spherical radius
10-Hole, 11 1/4" Hub-Piloted (Bus Mount)	3/4 - 16	300 - 350	Two piece flange
	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-Hole, 8.75" Stud-Piloted	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 truck manufacturer for torque details		
8-Hole, 275mm Hub-Piloted	M20 x 1.5	280 - 330	Two piece flange
	M22 x 1.5	450 - 500	Two piece flange

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.

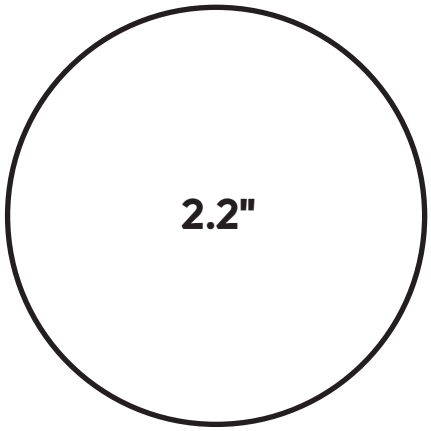
ALUMINUM WHEEL HAND HOLE SIZE BY PART NUMBER



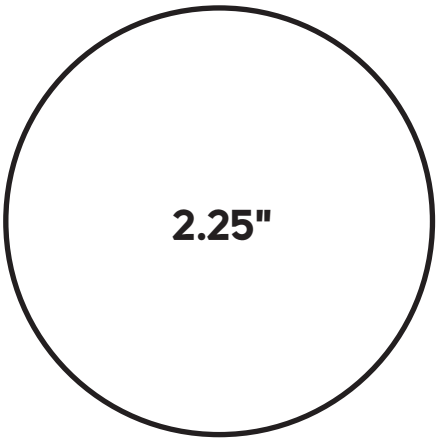
29374 29376 29378
29380 29683 41012
40171



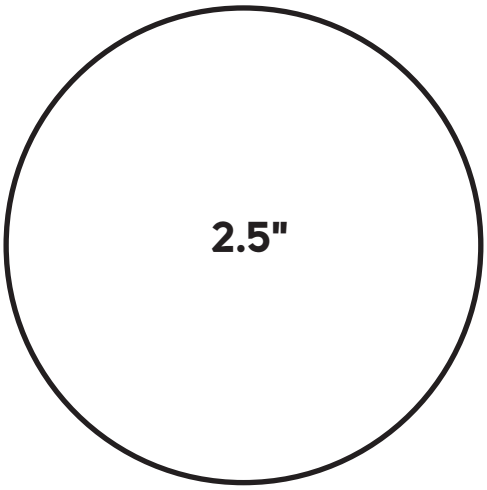
27599 28608 28615 28844
29348 29695 40008 40018
40160 40162



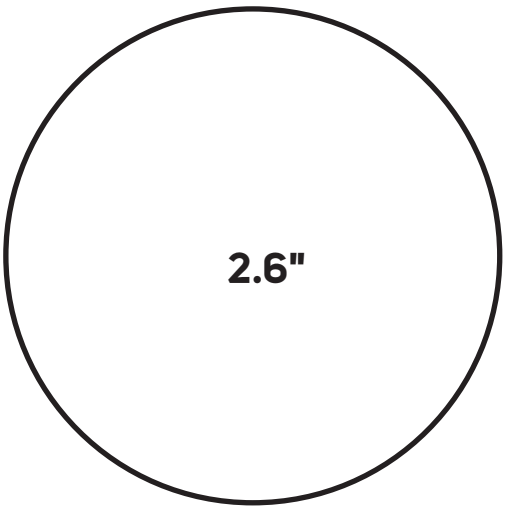
29560 29562



41730 41602 41685
43140 43142

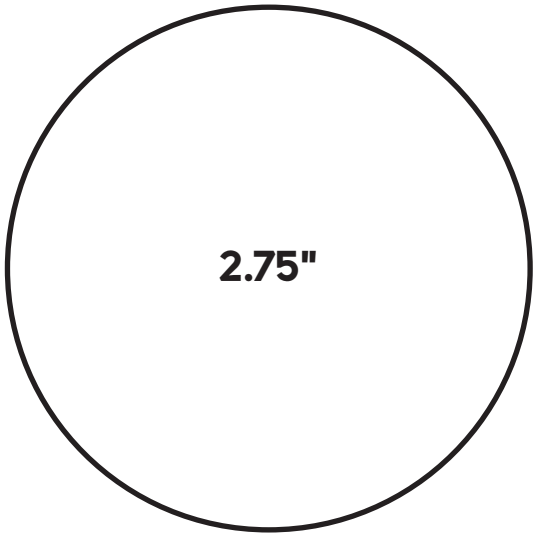


43644

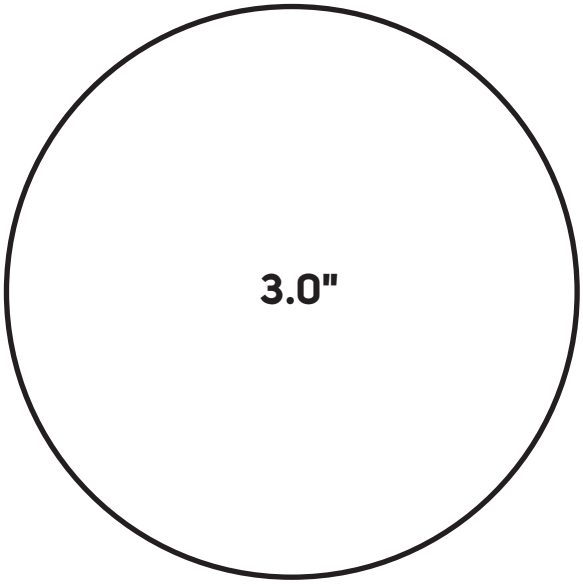


41362 41644

ALUMINUM WHEEL HAND HOLE SIZE BY PART NUMBER



40550



42362

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	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.
0-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

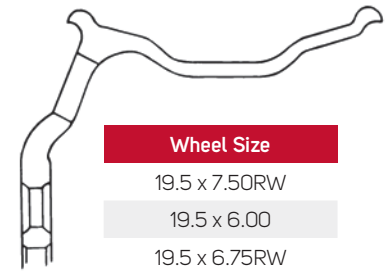
SP Standard Polish
XP Extra Polish
XPC Extra Polish with Accu-Shield®
XGT Extra Polish with ProShield XGT™
XB ProShield Black
R Accu-Armor™ Finish

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	27404	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

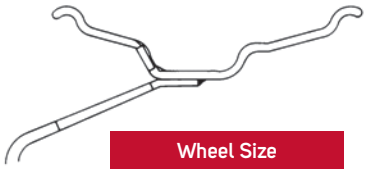
TYPES OF ACCURIDE RIMS AND TYPICAL DISC-TO-RIM ATTACHMENT LOCATIONS

15° TUBELESS ALUMINUM WHEELS



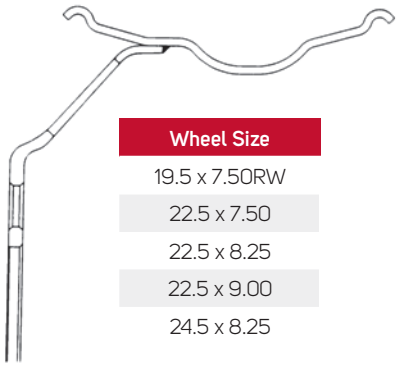
Wheel Size
19.5 x 7.50RW
19.5 x 6.00
19.5 x 6.75RW
19.5 x 8.25RW
22.5 x 7.50
22.5 x 8.25
22.5 x 9.00
24.5 x 8.25

15° TUBELESS STEEL WHEELS (Welded on Well)



Wheel Size
19.5 x 6.00RW
19.5 x 6.75RW

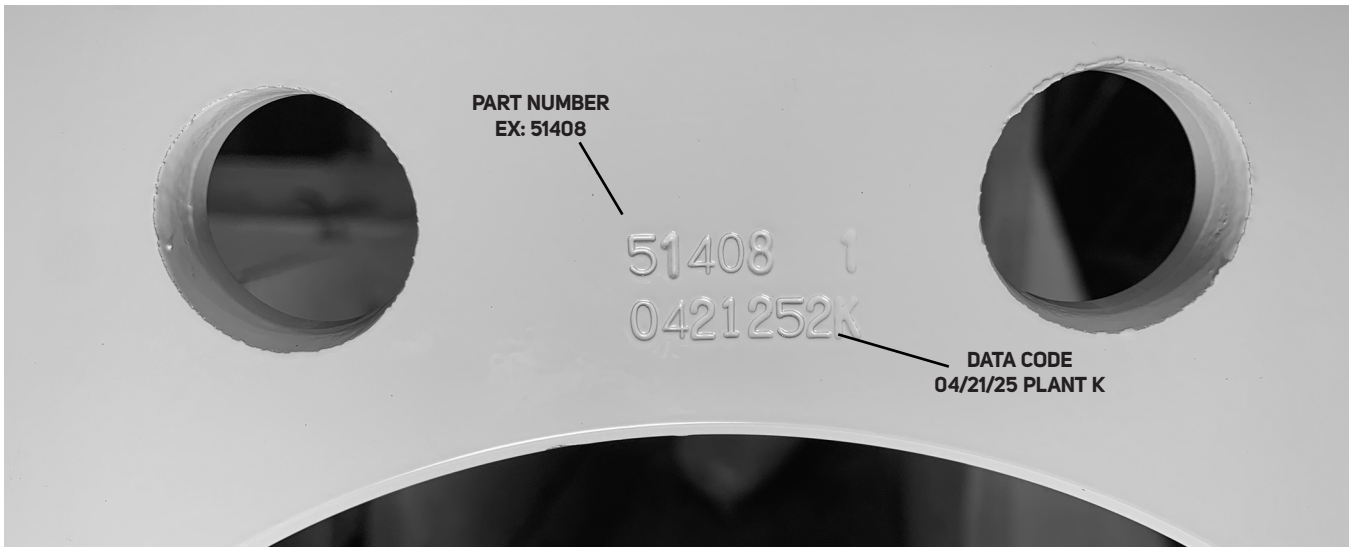
15° TUBELESS STEEL WHEELS (Welded on Ledge)



Wheel Size
19.5 x 7.50RW
22.5 x 7.50
22.5 x 8.25
22.5 x 9.00
24.5 x 8.25

ACCURIDE TYPICAL PRODUCT STAMPING

STEEL WHEEL

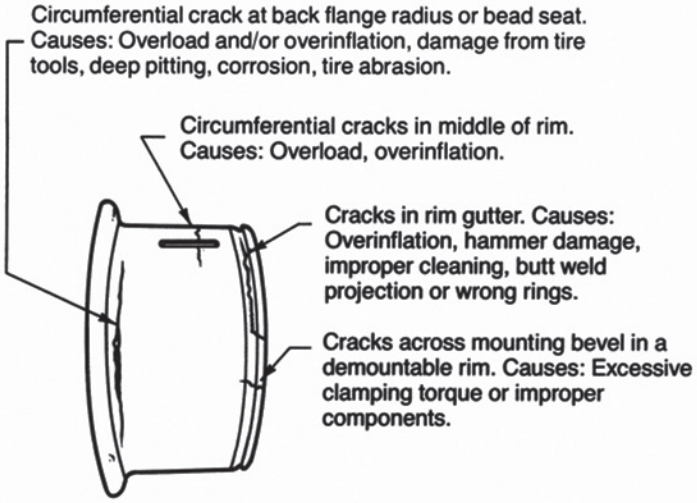


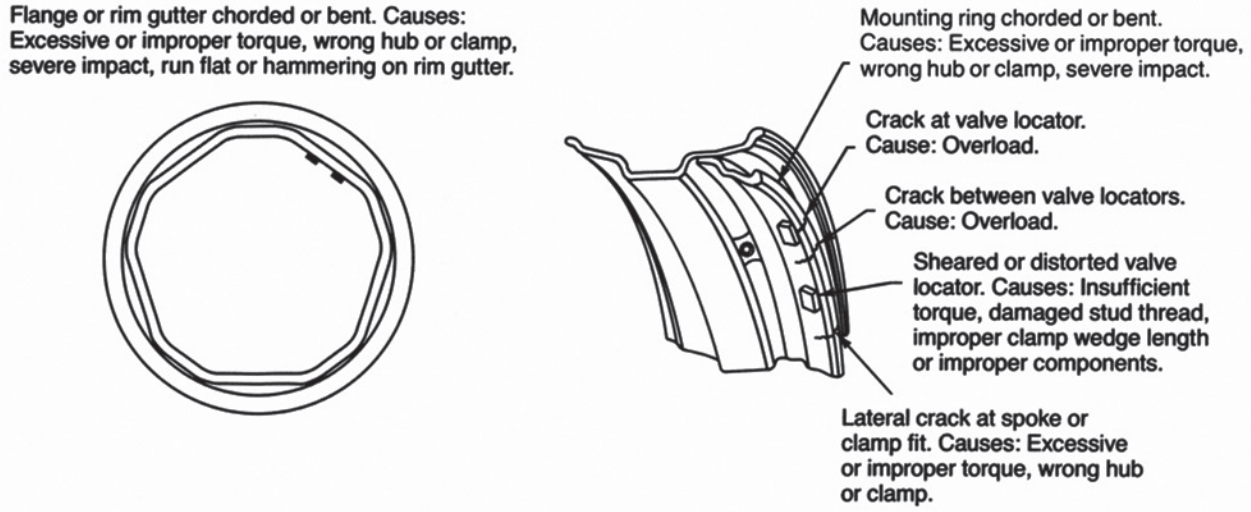
ALUMINUM WHEEL

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



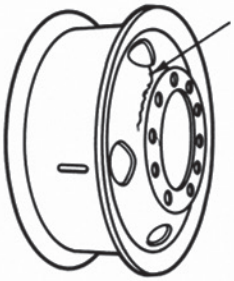


HOW TO IDENTIFY DAMAGED RIMS/WHEELS

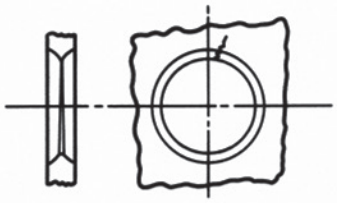
DISC WHEEL CRACKS/BOLT HOLE DISTORTION

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

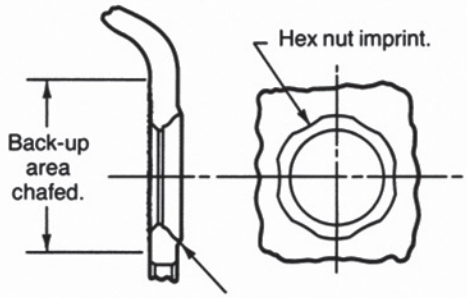
Bolt hole to bolt hole.
Causes: Loose cap nuts, small hub backup (also see bolt hole cracks/distortions).



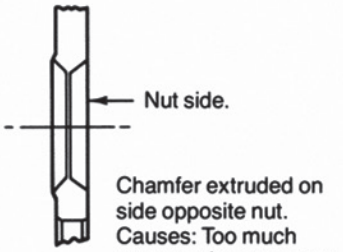
Cracks at disc nave and/or handhole. Causes: Bad fit-up, damaged hub, overload or sharp edge at handhole.



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

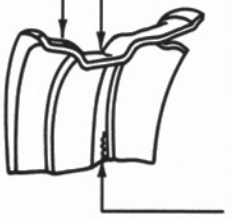


Chamfer enlarged or wallowed out by nut. Causes: Loose cap nuts or insufficient nut torque due to damaged threads, improper torquing or by worn-out nut.



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

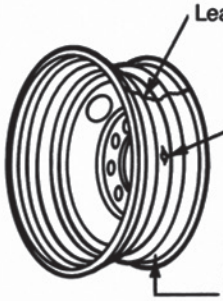
TUBELESS RIM LEAKS



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 Duplex® Changeover Calculations			
Determine the following information and insert into the calculation below			
OBTAIN THIS INFORMATION FROM THE TRUCK and THE CHOICE FOR THE NEW WIDE BASE TIRE		*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 (See Figure 1 - page 34)			

[1] Determine the existing wheel inset or rim offset from the part number and the catalog information. Inset is offset minus disc thickness
[2] Determine the existing tire section width from the chart on page 38.
[3] Determine the proposed wheel/rim width and wide base tire section width from the chart on page 33.
The new Duplex® wheel inset or rim offset is determined by inserting the above information into the following calculation.

Wide Base Changeover Calculation

Existing Wheel Inset or Rim Offset	+	Existing Tire Section ÷ 2 Width	=		-	Proposed Wide Base Tire ÷ 2 Section Width	=	NEW DUPLEX® WHEEL INSET OR RIM OFFSET
	+		=		-		=	

Refer to the Duplex® part number listings on page 18 and choose the next smaller available wheel inset or rim offset for this application. This choice will maintain the existing inside clearance between the tire or wheel/rim and the frame/suspension. If adequate inside clearance exists, the next larger wheel inset or rim offset may be chosen.

The change in the overall width of the vehicle should be determined to verify that the new width is not over the maximum allowed by law. Use the following calculation to determine the new overall width. This new width should be checked against federal, state, and local regulations to assure compliance with maximum width restrictions.

Existing Overall Width	+2x	Existing Wheel Inset or Rim Offset	-	Existing Tire Section Width	-2x	New Duplex® Wheel Inset or Rim Offset	+	Wide Base Tire Section Width	=	NEW OVERALL WIDTH
	+2x		-		-2x		+		=	

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 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
445/55R22.5	14.00	17.80
385/65R22.5	11.75 12.25	15.31 15.51[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]
16.5R22.5	13.00 12.25	16.75 16.45[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:

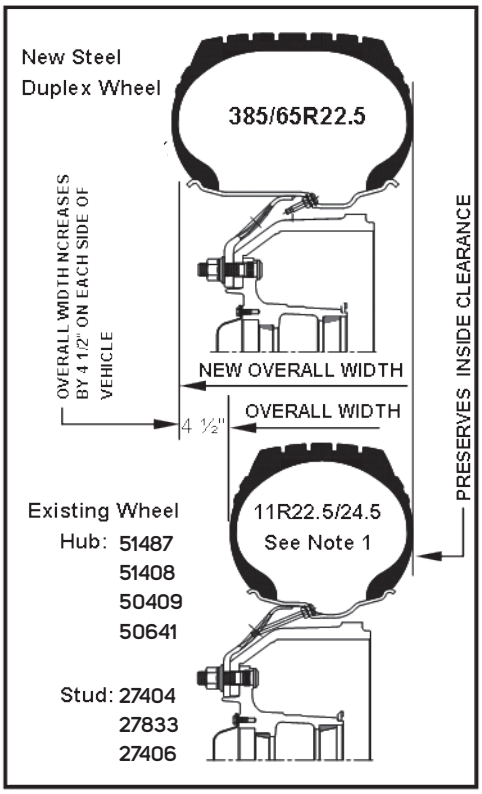
- Drum clearance on older applications
- Inside clearance
- Maximum outside track (overall width) (max is usually 102")

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:

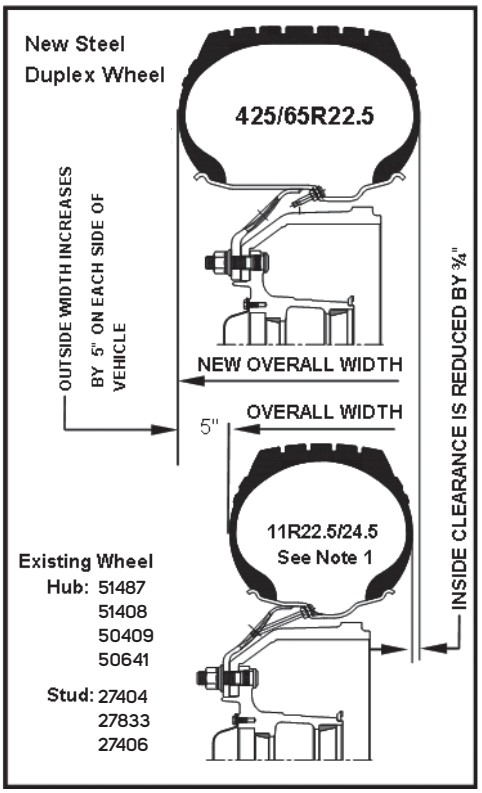
- Drum clearance on older applications
- Inside clearance
- Maximum outside track (overall width) (max is usually 102")

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 8½" and the inside clearance will now be reduced by 1½".
- **For Hub-Piloted steel wheel applications:**
  - 12.25 width



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

SELECTED DUPLEX® CHANGEOVER APPLICATIONS TO ALUMINUM

Factors which may effect fitment:

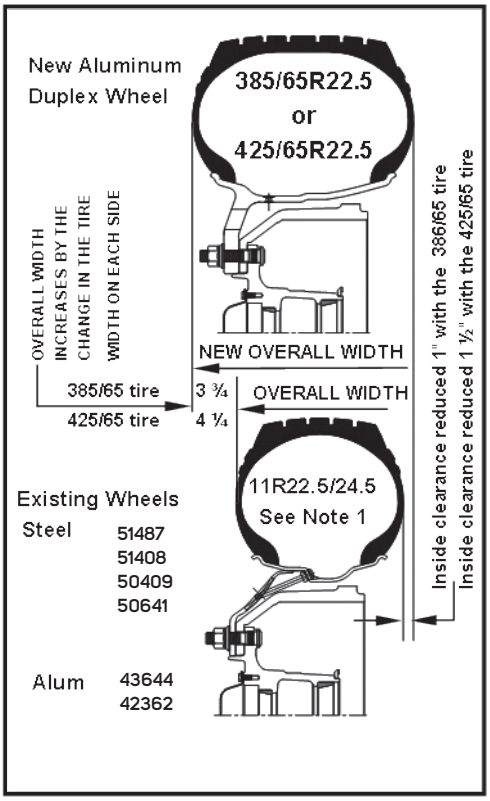
- Drum clearance
- Inside clearance
- Maximum outside track (width) (max is usually 102")

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 - 4¼" each side of the vehicle
- Reduces the inside clearance as follows:
  - 385/65R22.5 tire - approx 1"
  - 425/65R22.5 tire - approx 1½"

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.



SELECTED DUPLEX® CHANGEOVER APPLICATIONS – DRIVE/TRAILER

Factors which may effect fitment:

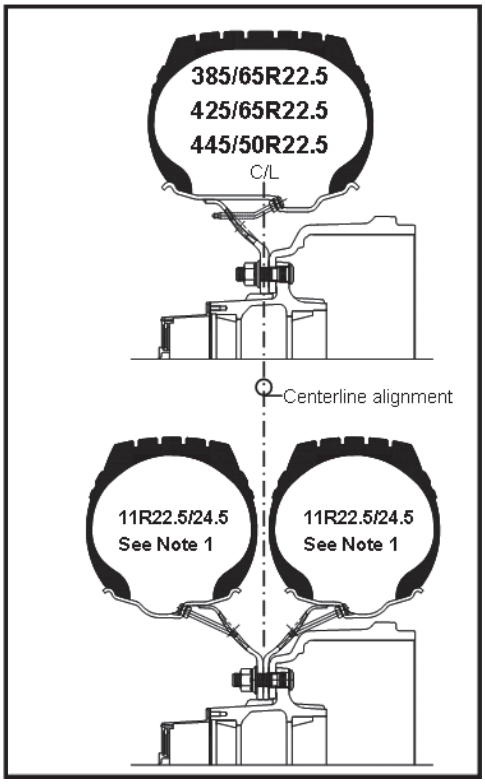
- Drum clearance on older applications
- Centerline alignment is recommended for best distribution of bearing loads. If outside alignment changeovers are preferred, bearing loads should be verified with axle manufacturer.

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

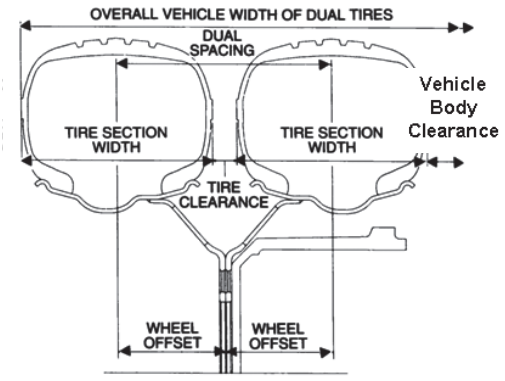
As shown in the diagram below, the sum of the wheel offsets of the two wheels used equals the dual spacing. The recommended minimum dual spacing for tire clearance is shown in the chart to the right.

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.



Wheel Selection And Tire Spacing

Information from The Tire & Rim Association Yearbook

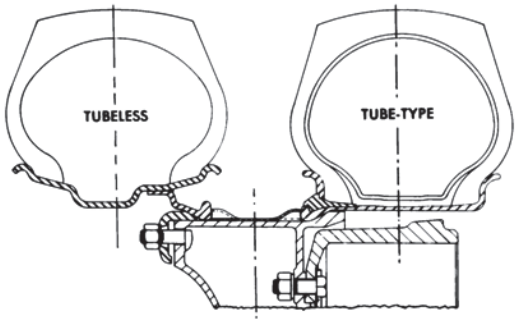
Tire Sizes	Design Rim Width[1]	Tire Section Width[2]	Minimum Dual Spacing[2]
Medium And Heavy Truck			
9R17.5HC	6.75	9.00	10.30
10R17.5HC	7.50	10.00	11.40
8R19.5	6.00	8.00	9.10
225/70R19.5	6.75	8.90	10.00
245/70R19.5	7.50	9.76	10.98
265/70R19.5	7.50	10.31	11.61
305/70R19.5	9.00	12.01	13.50
9R22.5	6.75	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] For additional approved rim contours and widths see page 38.
[2] 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 drop-center 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 Tire (Width x Dia.)	Replaced by Tubeless (Width x Dia.)	Preferred Tire Rim (Dia. x Width)	Alternate Tubeless Rim (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
9.00R20	10R22.5	22.5 x 7.50	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

Available Accuride 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.

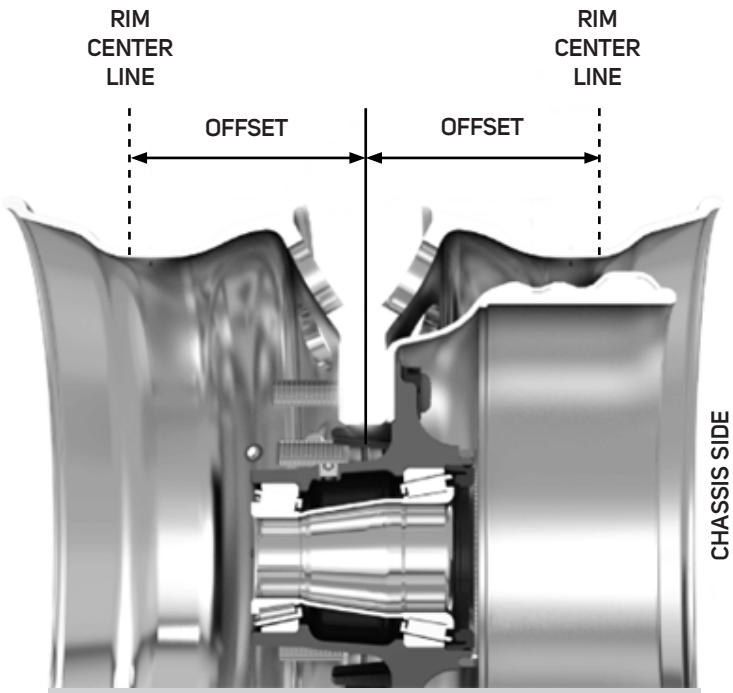
CHART FOR PROPERLY MATCHING TRUCK TIRES TO WHEELS

Information obtained from the Tire & Rim Association Yearbook

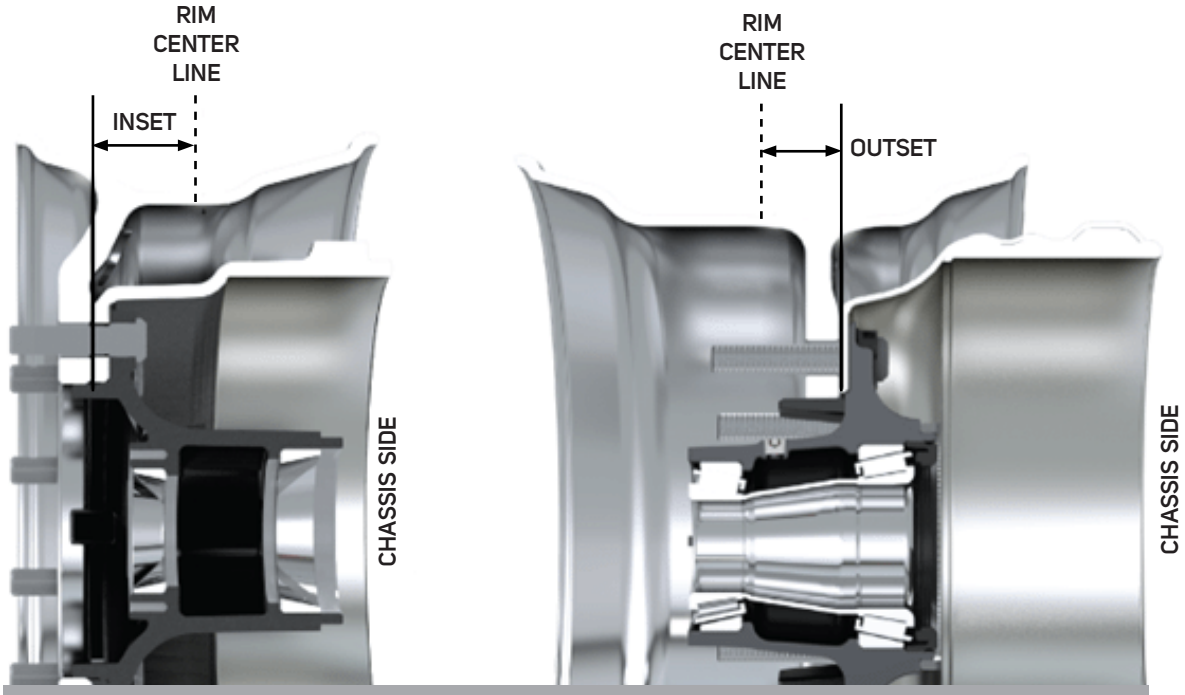
Tire Size	Approved Rim Contours
LOW PLATFORM TRAILERS	
215/75R17.5HC	6.00HC, 6.75HC
9R17.5HC	6.75HC, 6.75
10R17.5HC	6.75HC, 7.50HC, 6.75, 7.50
MEDIUM AND HEAVY DUTY TRUCKS	
8R19.5	5.25, 6.00, 6.00RW, 6.75, 6.75RW
225/70R19.5	6.00, 6.00RW, 6.75, 6.75RW
245/70R19.5	6.75, 6.75RW, 7.50, 7.50RW
265/70R19.5	7.50, 7.50RW, 8.25, 8.25RW
305/70R19.5	8.25, 8.25RW, 9.00
9R22.5	6.00, 6.75, 7.50
10R22.5	6.75, 7.50, 8.25
235/80R22.5	6.75, 7.50
245/75R22.5	6.75, 7.50
255/70R22.5	6.75, 7.50, 8.25
265/75R22.5	7.50, 8.25
11R22.5	7.50, 8.25
275/80R22.5	7.50, 8.25, 9.00
295/75R22.5	8.25, 9.00
305/75R22.5	8.25, 9.00
12R22.5	8.25, 9.00
315/80R22.5	9.00
11R24.5	7.50, 8.25
275/80R24.5	7.50, 8.25, 9.00
12R24.5	8.25, 9.00
285/75R24.5	7.50, 8.25, 9.00
WIDE 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

Note: For tire sizes not shown, consult the Tire Manufacturer for approved rim contours.

OFFSET VS. INSET/OUTSET



Any wheel that is capable of being assembled in a dual wheel application utilizes the **OFFSET** measurement.



An inset or outset is utilized when a wheel cannot be used in a dual application.

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

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

OBSOLETE PART NUMBER INDEX

Part Number	Size	Mounting Type	Outset[1]	Inset[1]	Potential Replace[2]
738-1		10H - 335mm			N/A
100065		10H - 225mm			N/A
27461	22.5 x 8.25	10H - 11.25"	6.62		27833C[4]
27471	22.5 x 8.25	10H - 11.25"	6.59		28615
27503	22.5 x 8.25	10H - 11.25"	6.62		27404[4]
27611	22.5 x 8.25	10H - 11.25"	6.62		27834C[4]
27685	22.5 x 7.50	10H - 11.25"	6.44		27403
27686	22.5 x 8.25	10H - 11.25"	6.62		27833C[4]
27688	24.5 x 8.25	10H - 11.25"	6.62		27406
27709	22.5 x 8.25	10H - 11.25"	6.62		27834C[4]
27765	22.5 x 8.25	10H - 11.25"B	6.62		27834C[4]
27766	22.5 x 8.25	10H - 11.25"B	6.62		27834C[4]
27775	19.5 x 6.00	10H - 7.25"	5.00		N/A
27833	22.5 x 8.25	10H - 11.25"	6.62		27833C
27834	22.5 x 8.25	10H - 11.25"B	6.62		27834C
27836	22.5 x 8.25	10H - 11.25"	6.62		27404[4]
28112	17.5 x 6.75HC	10H - 8.75"	6.19		N/A
28145	17.5 x 6.75HC	6H - 8.75"	6.07		N/A
28408	22.5 x 8.25	10H - 285.75mm	6.62		51408
28409	24.5 x 8.25	10H - 285.75mm	6.62		50409
28410	24.5 x 8.25	10H - 11.25"	6.62		27406
28440	22.5 x 8.25	10H - 335mm	6.62		50440
28452	24.5 x 8.25	10H - 285.75mm	6.59		42362
28466	19.5 x 6.75	8H - 275mm	5.50		50180
28473	24.5 x 8.25	10H - 11.25"	6.59		27599
28474	22.5 x 8.25	10H - 11.25"	6.59		28615
28476	22.5 x 8.25	10H - 11.25"	6.62		28476C
28487	22.5 x 8.25	10H - 285.75mm	6.62		51487
28510	22.5 x 9.00	10H - 11.25"	7.00		50510
28532	19.5 x 6.75	8H - 275mm	5.66		50180
28542	22.5 x 9.00	10H - 285.75mm	7.00		50300
29508	16 x 7K	8H - 6.50"		0.25	N/A
28548	22.5 x 8.25	10H - 285.75mm	6.59		40620
28549	22.5 x 8.25	10H - 11.25"	6.62		27404
28632	22.5 x 8.25	10H - 11.25"	6.59		N/A
28612	19.5 x 6.75RW	8H - 275mm	5.60		50180
28613	22.5 x 8.25	10H - 285.75mm	6.59		40008
28628	22.5 x 8.25	10H - 11.25"	6.59		28615
28641	24.5 x 8.25	10H - 285.75mm	6.62		50641
28642	22.5 x 7.50	10H - 285.75mm	6.44		29001
28656	17.5 x 6.75HC	8H - 275mm	5.60		40171

Part Number	Size	Mounting Type	Outset[1]	Inset[1]	Potential Replace[2]
28680	19.5 x 6.75RW	8H - 275mm	5.60		50180
29683	22.5 x 12.25	10H - 285.75mm	4.75		N/A
29015	19.5 x 6.00	8H - 6.50"	5.00		N/A
29057	22.5 x 13.00	10H - 285.75mm	0.00	5.25	29376 ALU
29058	22.5 x 13.00	10H - 285.75mm		5.25	N/A
29110	22.5 x 8.25	10H - 11.25"	6.59		28615
29112	22.5 x 8.25	10H - 11.25"	6.59		28615
29118	24.5 x 8.25	10H - 11.25"	6.59		27599
29120	24.5 x 8.25	10H - 11.25"	6.59		27599
29137	24.5 x 8.25	10H - 285.75mm	6.59		42362
29146	22.5 x 13.00	10H - 285.75mm		0.63	N/A
29165	24.5 x 8.25	10H - 285.75mm	6.59		42362
29168	24.5 x 8.25	10H - 285.75mm	6.62		28827
29170	24.5 x 8.25	10H - 285.75mm	6.59		42362
29171	24.5 x 8.25	10H - 285.75mm	6.59		42362
29174	22.5 x 13.00	10H - 285.75mm		2.62	N/A
29178	24.5 x 8.25	10H - 285.75mm	6.59		42362
29179	24.5 x 8.25	10H - 285.75mm	6.59		42362
29184	24.5 x 8.25	10H - 285.75mm	6.59		42362
29185	24.5 x 8.25	10H - 285.75mm	6.59		42362
29189	24.5 x 8.25	10H - 285.75mm	6.59		42362
29237	19.5 x 7.50RW CAST	8H - 275mm	6.25		40160
29300	22.5 x 9.00	10H - 285.75mm	6.62		50300
29303	22.5 x 13.00	10H - 285.75mm	0.00	4.32	N/A
29307	19.5 x 14.00	10H - 11.25"	4.63	4.00	N/A
29380	22.5 x 13.00	10H - 285.75mm		0.56	N/A
29304	19.5 x 7.50RW CAST	10H - 285.75mm	6.25		41685
29309	24.5 x 8.25 CAST	10H - 285.75mm	6.59		42362
29334	16 x 6K	8H - 6.50"	5.00		N/A
29342	19.5 x 7.50RW	10H - 285.75mm	6.25		41685
29362	24.5 x 8.25	10H - 285.75mm	6.59		42362
29364	22.5 x 9.00	10H - 335mm	6.93		50593
29369	19.5 x 7.50RW	8H - 275mm	6.25		40160
29374	22.5 x 12.25	10H - 285.75mm		4.75	N/A
29376	22.5 x 13.00	10H - 285.75mm		5.25	N/A
29378	22.5 x 12.25	10H - 285.75mm	0.56		N/A
29388	19.5 x 6.00RW	6H - 8.75"	5.00		N/A
29396	22.5 x 8.25	10H - 285.75mm			51637
29546	22.5 x 9.00	10H - 285.75mm	3.12		29039[3]
29571PK	22.5 x 8.25	10H - 11.25"	6.62		27833C
29579	16 x 6K	8H - 6.50"	5.15		N/A

[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.

OBSOLETE PART NUMBER INDEX

Part Number	Size	Mounting Type	Outset[1]	Inset[1]	Potential Replace[2]
29583	16 x 6K	8H - 170mm	5.35		N/A
29584	19.5 x 6.00RW	8H - 225mm	5.35		N/A
29585	19.5 x 6.75RW	8H - 225mm	5.50		N/A
29587	16 x 6K	8H - 6.50"	5.00		N/A
29588	16 x 6.5J	8H - 6.50"	5.04		N/A
29602	19.5 x 8.25RW	10H - 285.75mm	6.63		41602
29627	22.5 x 14.00	10H - 285.75mm	2.00	1.38	43142 ALU
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
29805	22.5 x 12.25	10H - 285.75mm	0.63		29378 ALU
29806	22.5 x 12.25	10H - 285.75mm	0.00	4.00	N/A
29807	22.5 x 12.25	10H - 285.75mm	0.00	4.75	29374 ALU
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
50172	22.5 X 14.00	10H - 285.75mm	0.00		43140 ALU
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).

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