



February 7, 2023

NO: W2.021 Rev. 4

Selected Application Recommendations Tubeless Steel Disc Wheels Class 7 & 8 Trucks (Straight Frame Applications)

Highway Service Applications		Type of Disc Wheel					
		10-Hole Hub-Piloted			10-Hole Stud-Piloted		
Size/Diameter		19.5"	22.5"	24.5"	19.5"	22.5"	24.5"
Front Steer Axle							
10,000 pounds to 14,600 pounds	2 Hand Holes	--	51408	50409	--	27404	27406
	5 Hand Holes	29195	51487	50641	--	27833C	--
	10 Hand Holes	--	51637	29545	--	--	--
Single Drive Axle							
17,000 pounds to 26,000 pounds	2 Hand Holes	--	51408	50409	--	27404	27406
	5 Hand Holes	29195	51487	50641	--	27833C	--
	10 Hand Holes	--	51637	29545	--	--	--
Tandem Drive Axle							
4,000 pounds to 46,000 pounds	2 Hand Holes	--	51408	50409	--	27404	27406
	5 Hand Holes	29195	51487	50641	--	27833C	--
	10 Hand Holes	--	51637	29545	--	--	--

Heavy Duty Applications On/Off Highway, High Center of Gravity (Cement, Coal, Gravel, Dump, Logging, Tankers, Snowplow)		Type of Disc Wheel					
		10-Hole Hub-Piloted			10-Hole Stud-Piloted		
Size/Diameter		19.5"	22.5"	24.5"	19.5"	22.5"	24.5"
Front Steer Axle							
Over 13,200 pounds to 16,000 pounds	2 Hand Holes	--	28828	--	--	27404	--
	5 Hand Holes	--	29169	--	--	28476C	--
Over 16,000 pounds to 18,000 pounds	0 Hand Holes	--	--	--	--	--	--
	2 Hand Holes	--	--	--	--	28510 ⁽²⁾	--
	5 Hand Holes	--	29300 - 29039 ⁽³⁾	--	--	--	--
Over 18,000 pounds to 20,000 pounds	0 Hand Holes	--	--	--	--	--	--
	2 Hand Holes	--	--	--	--	(1)	--
	5 Hand Holes	--	29039 ⁽³⁾	--	(1)	--	--
Over 20,000 pounds to 25,000 pounds		--	(1)	--	--	(1)	--
Single Drive Axle - Highway Service							
17,000 pounds to 26,000 pounds	2 Hand Holes	--	28828	28827	--	27404	27406
	5 Hand Holes	--	29169	--	--	28476C	--
Tandem Drive Axle - On/Off Highway							
Over 34,000 pounds to 46,000 pounds	2 Hand Holes	--	28828	28827	--	28549	27406
	5 Hand Holes	--	29169	--	--	28476C	--
Over 46,000 pounds to 60,000 pounds	2 Hand Holes	--	28828	--	--	28510 ⁽²⁾	--
	5 Hand Holes	--	29169 - 29300	--	--	--	--

(1) Refer to the DUPLEX® Wheel section of the Accuride Product Catalog for listings of wheels for wide base tires.

(2) 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. For more information, contact Field Service.

(3) Not approved for dual applications.

Accuride heavy duty products must be used in heavy duty applications to be eligible for warranty consideration. Please refer to Accuride's Product Catalog (W1.000) for more information on these products.



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