



## Renegade 1.5 - 5.0

<b>Imperial</b>	<b>89510</b>	<b>86410</b>	<b>89520</b>	<b>86420</b>	<b>89530</b>	<b>86430</b>	<b>89540</b>	<b>86440</b>	<b>89550</b>	<b>86450</b>
Capacity (Volume)	1.5 cu yd	1.5 cu yd	2.2 cu yd	2.2 cu yd	3.0 cu yd	3.0 cu yd	4.0 cu yd	4.0 cu yd	5.0 cu yd	5.0 cu yd
Smart Model Number	S150C (Chain)	S150A (Auger)	S220C (Chain)	S220A (Auger)	S300C (Chain)	S300A (Auger)	S400C (Chain)	S400A (Auger)	S500C (Chain)	S500A (Auger)
Vehicle Compatibility	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck
Material Compatibility	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*
Capacity (Weight)	3,240 lb	3,240 lb	4,752 lb	4,752 lb	6,480 lb	6,480 lb	8,640 lb	8,640 lb	10,800 lb	10,800 lb
Spreading Width	Salt: Up to 36' Sand: Up to 24'	Salt: Up to 36'	Salt: Up to 36' Sand: Up to 24'	Salt: Up to 36'	Salt: Up to 36' Sand: Up to 24'	Salt: Up to 36'	Salt: Up to 36' Sand: Up to 24'	Salt: Up to 36'	Salt: Up to 36' Sand: Up to 24'	Salt: Up to 36'
Approx. Weight** (Empty)	530 lb	500 lb	580 lb	550 lb	750 lb	700 lb	820 lb	770 lb	910 lb	850 lb
Hopper Length (A)	84.50"	84.50"	96.50"	96.50"	96.50"	96.50"	108.50"	108.50"	108.50"	108.50"
Bed Length (B)	65.50"	62.50"	70.50"	67.50"	82.50"	79.50"	82.50"	79.50"	82.50"	79.50"
Overall Hopper Length (C)	107"	111.50"	119.25"	123"	120.50"	123"	128.75"	129"	126.25"	129"

Reference Diagram (A-C)											
Width of Hopper Opening (D)	50"	50"	50"	50"	70"	70"	70"	70"	70"	70"	
Height of Hopper w/o Chute (E)	32"	32"	35.75"	35.75"	41"	41"	43.75"	43.75"	50.50"	50.50"	

Reference Diagram (D-E)											
Material	16" Wide	6" Diameter	16" Wide	6" Diameter	16" Wide	6" Diameter	16" Wide	6" Diameter	16" Wide	6" Diameter	
Delivery Dimensions											
Hopper Construction	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	
Spinner Size	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	16" Diameter	
Factory Chute Configuration	Short	Short	Short	Short	Long	Long	Long	Long	Long	Long	

Metric	89510	86410	89520	86420	89530	86430	89540	86440	89550	86450
Models	89510	86410	89520	86420	89530	86430	89540	86440	89550	86450
Capacity (Volume)	1.15 cu m	1.15 cu m	1.68 cu m	1.68 cu m	2.29 cu m	2.29 cu m	3.06 cu m	3.06 cu m	3.82 cu m	3.82 cu m
Smart Model Number	S150C (Chain)	S150A (Auger)	S220C (Chain)	S220A (Auger)	S300C (Chain)	S300A (Auger)	S400C (Chain)	S400A (Auger)	S500C (Chain)	S500A (Auger)



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Vehicle Compatibility	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	¾ or 1-Ton Pickup, Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck	Dump Body, Flatbed, or 15,000+ GVWR Truck
Vehicle Compatibility	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*	Bulk Salt, Bulk Sand, 50/50 Mix, Pre-Wet* & Liquid Brine*	Bulk Salt, Pre-Wet* & Liquid Brine*
Capacity (Weight)	1,470 kg	1,470 kg	2,155 kg	2,155 kg	2,939 kg	2,939 kg	3,919 kg	3,919 kg	4,899 kg	4,899 kg
Spreading Width	Salt: Up to 10.97 m Sand: 7.32 m	Salt: Up to 10.97 m	Salt: Up to 10.97 m Sand: 7.32 m	Salt: Up to 10.97 m	Salt: Up to 10.97 m Sand: 7.32 m	Salt: Up to 10.97 m	Salt: Up to 10.97 m Sand: 7.32 m	Salt: Up to 10.97 m	Salt: Up to 10.97 m Sand: 7.32 m	Salt: Up to 10.97 m
Approx. Weight** (Empty)	240 kg	227 kg	263 kg	249 kg	340 kg	318 kg	372 kg	349 kg	413 kg	386 kg
Hopper Length (A)	214.63 cm	214.63 cm	245.11 cm	245.11 cm	245.11 cm	245.11 cm	275.59 cm	275.59 cm	275.59 cm	275.59 cm
Bed Length (B)	166.37 cm	158.75 cm	179.07 cm	171.45 cm	209.55 cm	201.93 cm	209.55 cm	201.93 cm	209.55 cm	201.93 cm
Overall Hopper Length (C)	271.78 cm	283.21 cm	302.90 cm	312.42 cm	306.07 cm	312.42 cm	327.03 cm	327.66 cm	320.68 cm	327.66 cm

Reference Diagram (A-C)											
Width of Hopper Opening (D)	127 cm	127 cm	127 cm	127 cm	177.8 cm	177.8 cm	177.8 cm	177.8 cm	177.8 cm	177.8 cm	
Height of Hopper w/o Chute (E)	81.28 cm	81.28 cm	90.81 cm	90.81 cm	104.14 cm	104.14 cm	111.13 cm	111.13 cm	128.27 cm	128.27 cm	

Reference Diagram (D-E)											
Material	40.64 cm	15.24 cm	40.64 cm	15.24 cm	40.64 cm	15.24 cm	40.64 cm	15.24 cm	40.64 cm	15.24 cm	
Delivery	Wide	Diameter	Wide	Diameter	Wide	Diameter	Wide	Diameter	Wide	Diameter	
Dimensions											
Hopper Construction	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	Riveted Stainless Steel	
Spinner Size	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	40.64 cm Diameter	

*C = Pintle Chain Conveyor / A = HELIXX Shaftless Auger \* Accessory required for pre-wet and liquid brine \*\* Material weight equates to approximately 2,160 lb/cu yd or 80 lb/cu ft for 1 bag of rock salt.*