

GRAIN > STATIONARY AUGERS >  
**ROUND TUBE AUGERS**

Round tube augers are an economical way to move grain from point A to point B. Available in 6, 8, 10, 12 and 14 inch diameters. Perfect for grain handling systems with continuous flow dryers, livestock feeding systems, and overbin installations.



**Sudenga**®  
**INDUSTRIES, INC.**



- Available for horizontal or incline applications
  - Standard or heavy-duty
  - With or without hanger bearings
  - 6", 8", 10", 12" & 14" diameters
- Direct, chain reduction, and helical gear drive
  - Motor mounts for all applications
- Intakes, discharges, valves, adaptors, mounting brackets, etc

Learn more  
or get a quote



1-888-SUDENGA | 1-712-475-3301 | Fax: 1-712-475-3320  
PO Box 8, 2002 Kingbird Ave., George, IA 51237 USA  
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**ROUND TUBE AUGERS**

Round tube augers are a great choice in grain handling systems with continuous flow dryers, livestock feeding systems, and overbin installations. Augers are available in 6", 8", 10", 12" and 14" diameters and can convey any free flowing material where particle size is less than 1/3 of the auger diameter. Sudenga offers a large array of components and accessories for conveyor installations. Lots of drives, motor mounts, intakes, hoppers, and mounting brackets allow plenty of flexibility in designing your system. Many styles of spouting, discharges, directional flow valves, and adaptors make it easy to set up a delivery system that really works for you.

Augers must have all guarded intakes in place during operation.



**AVAILABLE IN FOUR STYLES**

Heavy-duty		Standard duty	
RA-700 Series	RA-800 Series	RA-900 Series	RA-1000 Series
No hanger bearings	With hanger bearing	No hanger bearings	With hanger bearing
Recommended for applications from horizontal to 90°	Recommended for applications from horizontal to 40°	Recommended for applications from horizontal to 90°	Recommended for applications from horizontal to 40°
Double bearing direct or helical gear drive		Direct, roller chain or helical gear drive	
Bolted flange at the end of drive			

NOTE: Direct drive, chain reduction, and helical gear drives are available. Hanger bearings are two-piece wood block or one-piece bronze styles. Reduction drive is recommended for horizontal augers with intermediate discharges. Direct drive may produce conveying speeds that allow material to be carried across the intermediate discharges. For higher capacities, choose a larger auger, rather than increased RPM.

**TUBE DIAMETER, DRIVE TYPE, AND CAPACITIES:**

Choose a diameter and drive based on your incline and capacity requirements. On horizontal augers with intermediate discharges, use reduction drive to prevent "carry over" at the intermediates. Capacities are for corn, wheat, and soybeans.

NOTE: Capacities and horsepower requirements are based on 14-15% moisture content. Tube fill rates were 55% for 40° inclined augers and 65% for horizontal augers. Changes in moisture content and fill rates will alter capacities and horsepower requirements. Starting an auger under load will also raise horsepower requirements.

Capacities & RPM												
	Horizontal						40° Inclined					
	Direct Drive			Reduction Drive			Direct Drive			Reduction Drive		
	CFPH	BPH	RPM	CFPH	BPH	RPM	CFPH	BPH	RPM	CFPH	BPH	RPM
<b>6" Augers</b>	990	790	430	470	376	210	840	670	430	390	320	210
<b>8" Augers</b>	2700	2160	430	1275	1020	210	2280	1820	430	1080	860	210
<b>10" Augers</b>	5100	4080	390	2294	1835	180	4315	3450	390	1940	1550	180
<b>12" Augers</b>	8000	6400	340	4242	3394	180	6770	5415	340	3590	2870	180
<b>14" Augers</b>	12375	9900	275	8125	6500	180	10469	8375	275	6875	5500	180
				12375	9900	275				10469	8375	275

CFPH = Cubic feet per hour  
 BPH = Bushel per hour.

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