

S210 Semi-Automatic Core Cutter



Affordable Entry Level Core Cutting

S210 Semi-Automatic Core Cutter Features:

Affordable & Durable – The S210 is a rugged, yet affordable, fixed-knife core cutter that provides the clean and precise lengths needed for low- to medium-volume core production. Perfect for creating quality cores in-house, on demand, without wasting production time or unnecessary floor space inventorying pre-cut cores.

Easy to Use – With the core manually advanced to the target length, the operator needs only step on the foot pedal to activate the air-assisted cut-off knife.

Precise Cuts – The air-assisted fixed knife cuts to within +/- 0.010 inch of the targeted length.

Clean Cuts – The fixed knife of the S210 makes clean, burnished cuts while generating virtually no dust or noise – making for a better cut, a quiet machine and a better work environment.

Energy Saving – Every Appleton core cutter features an auto-shutoff that turns off the cutter when left unattended, eliminating unnecessary energy costs while minimizing wear on moving cutter parts. As always, workers are safer when unattended machinery is not running.

Simplified Adjustment – When core diameters change more frequently, Appleton's IDC (Instant Diameter Change) option can speed changeovers and improve productivity.

Installation and Training – Professional installation and training services are readily available from skilled technicians with years of core cutter experience.



Operator Foot Pedal



Double guarded fixed knife for operator safety



Tough frame for long service life

60 years of Superior Support

The S210 also comes with an outstanding promise of support. If you should need technical assistance, service or replacement parts, Appleton will be there for you. Appleton still provides parts and service for core cutters built over 60 years ago – you can be assured our tradition of superior support will bring long-term value to your Appleton core cutter investment.

Specifications

Parent core length range

- 5' to 14' in 1 foot increments.
- Note that core I.D.s under 3" limit machine length.

Core diameter range

- 3" I.D. to 13" O.D.
- With options, this range can be expanded down to 1" I.D. and up to 26" O.D.

Wall thickness

- 1/4" to 5/8" (includes .660" cores).
- With options, the wall thickness range can be expanded to 1/8" to 3/4". For heavier walls, contact Appleton Mfg.

Cut length range

- Minimum cut determined by core integrity (typically equal to wall thickness).
- Maximum length: Reference standard cut length in the chart below.

Cut length tolerance

- ±0.010".

Utilities

- 3 phase electrical power, voltage optional
- 80 PSI air, 1 cfm @ 50 cuts/min (cut rate, operator and core dependent).

Options

Extended cut-off target length

- Permits cut core lengths up to extended cut length column in chart.

Large core diameter

- Extends core diameter capacity to 26" O.D.

Hand Pendant

- Replaces foot pedal for hand control of cutting cycle.

Knives

- A variety of options that match the cut to your materials.

Stroke Limit

- Used for wall thickness less than 1/4".

Digital Scale

- LED read-out of target position (cut length) for those critical cuts.

Digital Counter

- Records number of cuts made, re-settable.

Auto-Indexing Knife

- Rotates the knife 9 degrees automatically at operator preset number of cuts. Provides 40 knife positions for uniform cut quality and extended blade life.

Electrical components

- Customer specified components or locations optional.

Accessories

Patented IDC (Instant Diameter Change) Mandrel System

- For 1 minute diameter changes.

Machine Dimensional Chart

Mach			Std Cut Length		Ext Cut Length	
	A	B	Max	C	Max	D
60	6'-10 3/4"	10'-2 1/4"	47'	15'-2 1/4"	60'	18'-2 1/4"
72	7'-10 3/4"	11'-2 1/4"	51'	16'-2 1/4"	68'	19'-2 1/4"
84	8'-10 3/4"	12'-2 1/4"	60'	17'-2 1/4"	76'	20'-2 1/4"
96	9'-10 3/4"	13'-2 1/4"	60'	18'-2 1/4"	84'	21'-2 1/4"
108	10'-10 3/4"	14'-2 1/4"	60'	19'-2 1/4"	92'	22'-2 1/4"
120	11'-10 3/4"	15'-2 1/4"	60'	20'-2 1/4"	96'	23'-2 1/4"
132	12'-10 3/4"	16'-2 1/4"	60'	21'-2 1/4"	96'	24'-2 1/4"
144	13'-10 3/4"	17'-2 1/4"	60'	22'-2 1/4"	96'	25'-2 1/4"
156	14'-10 3/4"	18'-2 1/4"	60'	23'-2 1/4"	96'	26'-2 1/4"
168	15'-10 3/4"	19'-2 1/4"	60'	24'-2 1/4"	96'	27'-2 1/4"

