

CINCINNATI RETREAD SYSTEMS



TT-2

INFLATED TIRE WORK STATION

USES

Used Tire Initial Inspection
Air Leak Detection
Inflated Buzz Out Station
Repair
Final Inspection
Trim Vents

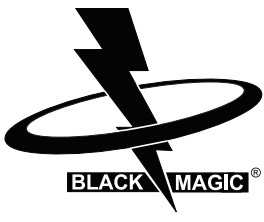
FEATURES

Sturdy Base
Left or Right Hand Operation
Standard Expandable Hub
Pneumatic Controls and Gauges
High Value, Low Price
Uses Standard CRS Expandable Rims
Passenger through Truck Tire sizes

AFFORDABLE OPTIONS

Expandable Rims
Power Rotation
Tread/Bead Cutter





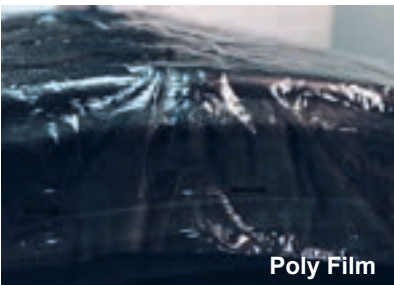
Precure Tire Retread

POLYMER COMPOSITE STAPLES



BENEFITS

- ✓ Reduces labor, material and maintenance costs
- ✓ No cut or abrasion marks from removing
- ✓ Eliminates envelope puncture and wear
- ✓ Fewer tire re-runs
- ✓ Fewer tire in-service failures
- ✓ No metal staples littering the floor



Poly Film



Wick Pad

FEATURES

- ✓ Melts during cure cycle
- ✓ Low melting formula for low temp cure chambers
- ✓ No staple removal
- ✓ Completely non-metal

Tire Splice

Utilize BLACK MAGIC® composite staples to temporarily secure tire splice ends together during the adhesive cure cycle. The tread adheres to the tire through vulcanization. BLACK MAGIC® staples melt and do not need to be removed and so eliminates cut and abrasion marks in the tire.

Poly Film

Utilize BLACK MAGIC® composite staples to secure the poly film to the tire. The post cured composite staple crowns easily lift off with the poly film when it is removed.

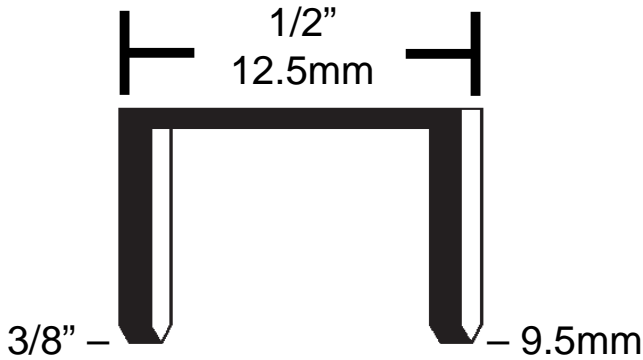
Wick Pad

Utilize BLACK MAGIC® composite staples to secure the wick pad in between the tire envelope and the tire during the cure cycle. The post cured composite staple crowns easily lift off with the wick pad when it is removed. Use of BLACK MAGIC® staples eliminates puncture holes and abrasions.





BLACK MAGIC® S/05-37TR 19Ga Composite Staple

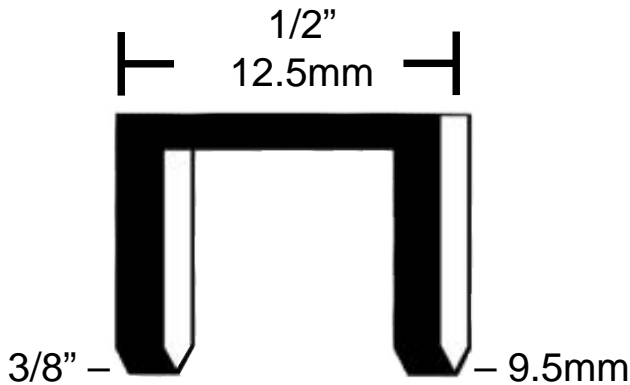


(Standard formula for cure chambers >215°)

81P Series Pneumatic Stapler



BLACK MAGIC® SH/05-37TR 16Ga Composite Staple



(Low melting temp formula for cure chambers <215°)

82P Series Pneumatic Stapler





Angle Face Cups

Dia	Mount	SG - Structured Grit	RG - Random Grit
150 mm	60 mm	230, 330, 390	36, 23, 16
200 mm	1 1/2"	230, 390, 460	36, 23, 16

Round Face Wheels

Dia	Width	Mount	SG - Structured Grit	RG - Random Grit
50 mm	6 mm	3/8" UNF. 24 tpi	230, 330, 460	36, 23, 16
50 mm	10 mm	3/8" UNF. 24 tpi	230, 330, 460	36, 23, 16
50 mm	20 mm	3/8" UNF. 24 tpi	230, 330, 460	36, 23, 16
100 mm	10 mm	1/2"	230, 330, 460	36, 23, 16
100 mm	13 mm	1/2"	230, 330, 460	36, 23, 16
130 mm	13 mm	1/2"	230, 330, 460	



Contour Cups

Dia	Mount	SG - Structured Grit	RG - Random Grit
50 mm	3/8" UNF. 24 tpi	170, 230, 330	36, 23, 16
65 mm	3/8" UNF. 24 tpi	170, 230, 330	36, 23, 16
75 mm	3/8"	170, 230, 330	36, 23, 16
90 mm	3/8"	170, 230, 330	36, 23, 16
100 mm	1/2"	230, 330, 460	36, 23, 16
150 mm	1 1/2"	230, 390, 460	36, 23, 16
200 mm	1 1/2"	230, 390, 460	36, 23, 16

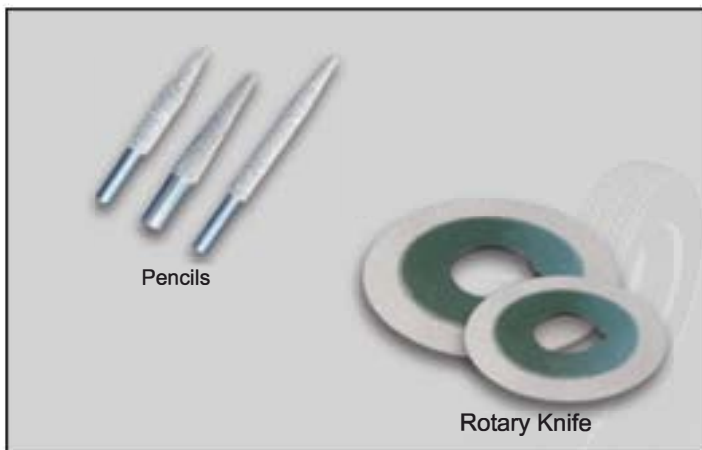
Donut Wheels

Dia	Mount	SG - Structured Grit	RG - Random Grit
130 mm	3/8"	230, 390, 460	36, 23, 16
150 mm	1 1/2"	230, 390, 460	36, 23, 16
200 mm	20 mm	230, 390, 460	36, 23, 16



Cones

Dia	Length	Mount	SG - Structured Grit	RG - Random Grit
20mm	100 mm	3/8" UNF. 24 tpi	230, 330, 460	36, 23, 16
22 mm	50 mm	3/8" UNF. 24 tpi	230, 330, 460	
25 mm	40 mm	3/8" UNF. 24 tpi	230, 330, 460	36, 23, 16
40 mm	60 mm	1/2" Whitworth	230, 330, 460	36, 23, 16
16mm	25 mm	1/4" Shank	230, 330, 460	
16 mm	35 mm	3/8" UNF. 24 tpi	230, 330, 460	



Pencils

Dia	Length	SG - Structured Grit	RG - Random Grit
6 mm	65 mm	230, 330, 460	36, 23, 16
6 mm	75 mm	230, 330, 460	36, 23, 16
6 mm	100 mm	230, 330, 460	36, 23, 16
1/4"	65 mm	230, 330, 460	36, 23, 16
1/4"	75 mm	230, 330, 460	36, 23, 16
1/4"	100 mm	230, 330, 460	36, 23, 16
3/8"	150 mm	230, 330, 460	36, 23, 16

Rotary Knife

Dia	Mount	SG - Structured Grit	RG - Random Grit
150 mm	2"		240, 120
180 mm	32 mm		240, 120

Brazed Carbide Tools



Sanding Discs



Vee Wheels



Vane Wheels



Rotor Saws



Balls

Sanding Disc

Dia	Mount	SG - Structured Grit	RG - Random Grit
100 mm	16 mm	230, 330, 460	36, 16
180 mm	7/8"	230, 330, 460	

Vane Wheels

Dia	Width	Mount	SG - Structured Grit	RG - Random Grit
150 mm	6	60 mm	230, 330, 390, 460	36, 23, 16
200 mm	6	55 mm	230, 330, 390, 460	36, 23, 16

Vane Wheel Spacer for 6 & 8" wheel

Vee Wheels

Dia	Shank Dia	S.Length	SG - Structured Grit	RG - Random Grit
50 mm	1/4"	1 1/2"	230	36
75 mm	1/4"	3"	230	36

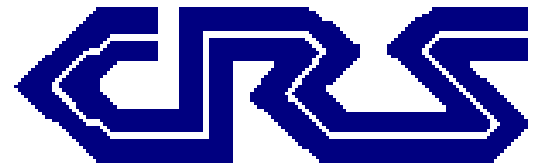
Balls

Dia	Shank Dia	S.Length	SG - Structured Grit	RG - Random Grit
20 mm	1/4"	40 mm	230, 330, 460	36, 23, 16
25 mm	1/4"	40 mm	230, 330, 460	36, 23, 16
20 mm	1/4"	40 mm	230, 330, 460	36, 23, 16
25 mm	3/8" UNF. 24 tpi	40 mm	230, 330, 460	36, 23, 16
25 mm	3/8"	40 mm	230, 330, 460	36, 23, 16
40 mm	1/2" Whitworth	60 mm	230, 330, 460	36, 23, 16

Rotor Saw

Dia	Shank Dia	S.Length	SG - Structured Grit	RG - Random Grit
16 mm	6 mm	38 mm	230, 330	
30 mm	6 mm	38 mm	230, 330	





CINCINNATI RETREAD SYSTEMS CB-40/50



FEATURES

- CONTINUOUS DUTY 40 OR 50 H.P. MOTOR
- MOST POWERFUL BUFFER AVAILABLE
- HEAVY DUTY POWER TRANSMISSION
- ONE TO ONE TEMPLATE CONTROL
- PRECISION EXPANDABLE HUB
- PROCESS 15" THROUGH 14:00 X 24
- CIRCUMFERENTIAL BUFFING
- STAND ALONE CONSOLE
- FAST TIRE INFLATE
- RUGGED, STURDY CONSTRUCTION
- MACHINE SLIDE RAILS AND BEARINGS

ADVANTAGES

- FAST, EFFICIENT OPERATION
- LOW MAINTENANCE COST
- HIGH DEPENDABILITY
- OPERATOR FRIENDLY
- ACCURACY FOR ALL TIRE CONSTRUCTIONS
- VERSATILE RANGE OF TIRE SIZES

OPTIONS

- EXPANDABLE RIMS
- SIDEWALL BUFFER
- LIGHTED BELT SENSOR

AUXILIARY EQUIPMENT

- FULL RANGE POLLUTION CONTROL SYSTEMS

PHYSICAL SPECIFICATIONS

LENGTH 63" (1.59M) WIDTH 68" (1.72M)
HEIGHT 60" (1.52M) WEIGHT 4000-4500 LBS.
(1814 KG)

UTILITY REQUIREMENTS

ELECTRICAL

230 VAC, 60 Hz, 3 PHASE, 200 AMP
(230 VOLT EXTRA COST)

460 VAC, 60 Hz, 3 PHASE, 100 AMP

OTHER VOLTAGES AVAILABLE (POSSIBLE EXTRA COST)

PNEUMATIC

120 PSIG @ 20 CFM INTERMITTENT

TIRE SIZE CAPABILITY

MINIMUM TIRE DIAMETER 28" (71.12 CM)

MAXIMUM TIRE DIAMETER 53" (134.6 CM)

MAXIMUM TREAD WIDTH 16" (40.7 CM)

MAXIMUM TIRE WEIGHT 300 LBS. (118 KG)



CINCINNATI RETREAD SYSTEMS HAS BEEN PRODUCING DEPENDABLE EQUIPMENT FOR OVER 35 YEARS. WE HAVE INVESTED IN CONTINUOUS IMPROVEMENT IN OUR MANUFACTURING FACILITY AND OUR PRODUCTS.

TODAY'S RETREADER DEMANDS RELIABILITY AND ACCURACY, WE HAVE MET THEIR NEEDS. WE INVITE YOU TO COMPARE OUR EQUIPMENT TO OTHER MANUFACTURERS AND SEE WHY THE CRS BUFFER IS THE CHOICE OF THE QUALITY CONSCIENCE RETREADER.

CRS EXPANDABLE RIMS



CRS provides the retread industry worldwide with the highest quality expandable rims on the market.

- **CNC machined** on ALL critical surfaces.
- **Higher Air Integrity** insures less air loss giving better end results.
- **Quality Assurance** at each stage of production providing an extra measure of precision.
- **Extra Strong** lightweight virgin aluminum alloy gives added strength and longer life.
- **One year warranty** on segments and fittings.
- **Safety Air Release** provided on ALL rims providing extra measure of safety.
- **Extra Bead Area Supports** allow for prevention of premature segment wear and safer usage.
- **Smooth Stem Slot** aids in increasing useful life of stems and segments.
- **Precisely Machined Lock** centers rim and improves quality of finished product.
- **Largest** variety of sizes available.

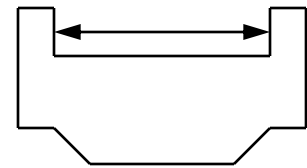


**CELEBRATING OVER 30 YEARS
OF EXCELLENCE**

EXCEPTIONAL QUALITY MACHINED STYLE RIMS

Part Number	Size
309020	12-14 x 5" (127 mm) Bead Width
309572	12-14 x 8" (203 mm) Bead Width
309080	13-16 x 5" (127 mm) Bead Width
309030	13-16 x 6 3/8" (162 mm) Bead Width
309962	13-16 x 7 1/2" (191 mm) Bead Width
309963	13-16 x 11 3/8" (289 mm) Bead Width
309942	14-17 x 6" (152 mm) Bead Width
309140	14-17 x 7 1/8" (181 mm) Bead Width
309153	14-17 x 7 1/2" (191 mm) Bead Width
309150	14-17 x 9 1/4" (235 mm) Bead Width
309151	14-17 x 10" (254 mm) Bead Width
309952	14-17 x 11 3/8" (289 mm) Bead Width
309192	14-17 x 14" (356 mm) Bead Width
3091391	15-18 x 6 3/4" (171 mm) Bead Width
309040	17-20 x 6 1/2" (165 mm) Bead Width
309932	17-20 x 6 1/2" (165 mm) High Flange
309202	17-20 x 8 1/4" (210 mm) Bead Width
309172	17-20 x 9 3/4" (248 mm) Bead Width
309175	17-20 x 11 3/4" (298 mm) Bead Width
309220	17-20 x 13 1/4" (337 mm) Bead Width
3092211	18-20 x 7 5/8" (194 mm) Bead Width
309225	18-20 x 13 3/8" (340 mm) Bead Width
309226	18-20 x 14" (356 mm) Bead Width
309226A	18-20 x 14 1/2" (368 mm) Bead Width
309230	18-20 x 16 3/8" (416 mm) Bead Width
309160	20-22.5 x 7 1/2" (191 mm) Bead Width
309602	20-22.5 x 8 1/4" (210 mm) Bead Width
309050	20-22.5 x 9" (229 mm) Bead Width
309005	20-22.5 x 10 1/2" (267 mm) Bead Width
309183	20-22.5 x 11 3/4" (298 mm) Bead Width
309182	20-22.5 x 13" (330 mm) Bead Width
309021	20-22.5 x 14 1/2" (368 mm) Bead Width
309472	21.5-24 x 11 3/4" (298 mm) Bead Width
309190	22-24.5 x 7 1/2" (191 mm) Bead Width
309282	22-24.5 x 8 1/4" (210 mm) Bead Width
309060	22-24.5 x 9" (229 mm) Bead Width
309812	22-24.5 x 11 3/4" (298 mm) Bead Width
309070	22-24.5 x 13 3/8" (340 mm) Bead Width
309912	22-24.5 x 14 1/2" (368 mm) Bead Width
3099125	22-24.5 x 17 1/2" (445 mm) Bead Width
309913	22-24.5 x 18 1/2" (470 mm) Bead Width
309490	23-25 x 13 3/8" (340 mm) Bead Width
309491	23-25 x 17" (432 mm) Bead Width
309790	23-25 x 18 1/2" (470 mm) Bead Width
309890	27-29 x 14" (356 mm) Bead Width

Bead Width is
measured from inside
flange





ENV-1 ENVELOPE TESTER

USES

Used Envelope Inspection
Saves Money by avoiding bad cures with Defective Envelopes
Improves Efficiency and Reduces Rejects
Repair station
Final Inspection

FEATURES

Sturdy Base
Container for Holding Tools and Spray Bottle
Left or Right Hand Operation
Standard Expandable Hub
Pneumatic Controls and Gauges
Filter & Regulator
High Value, Low Price
Uses CRS Expandable Rims
Passenger through Truck Tire sizes





Also Available

- Full service repair capabilities
- Free technical phone support
- Free technical aids
- Expandable rims with the latest designs on the market
- Also offering EXPERT rim rebuilding services for most makes

All products are manufactured with pride in the USA.



Expandable Hub Product/ Service Information



Cincinnati Retread Systems Div.
American Manufacturing & Equip., Inc.



CRS Expandable Hub Replacement Parts



Most precise in the industry.

- Heavier design provides greatly increased area for the stems to ride. Enhanced accuracy and longer useful life within specifications result.
- Centering areas provide substantially more contact area. Assures precise fit of front to rear housing as a critical alignment.
- Retrofit-able, (with proper model), to all similar housings.

CRS offers several choices as to stem sets depending on service level.

- Plasteel stems have a steel insert core under injection molded nylon plastic impregnated with a permanent imbedded lube.
- Locks are precision centered.
- Sets are of matched length.

Provides excellent service life in a low cost consumable part.

Application: Normal service requirements for Orbitread type extruders, buffers, and pre-cure builders.



Heavy Duty Piston

- Choice of machine flats or conical design.
- Retrofit to similar hub systems.

- Metal Alloy stem sets are machined to precise dimensions.
- Alloy specifically selected and tested to minimize wear on piston and front housing.



Metal Alloy Precision Stems for Precision Applications including AZ Extruders



Plasteel Stems for Extra Duty Life





CRS Metal Alloy Stems

- **SPECIAL METAL ALLOY**
- **MACHINED TO PRECISE SPECIFICATIONS**
- **GUARANTEED NOT TO BEND FOR LIFE OF PRODUCT (IDEAL FOR THE AZ EXTRUDER)**
- **DUAL SPRING RETENTION HOLES**
- **PREVENTS LEADING EDGE WEAR**
- **PROVIDES CONSISTENT CENTERING**
- **INCREASES QUALITY WHILE REDUCING COSTS**

