

SINGLE LAYER CLUSTERS

SERIES 560:

Shank: 7/16 dia. x 1-1/2 Overall Length
Head: 5/8 x 5/8

3/8" x 1/2" Shanks available; please inquire.



Type	Approx. Carat	MEDA		STAR USA	
		Order No.	Price	Order No.	Price
5 stone	1	5600003		354644	
7 stone	2	5600005		354646	
7 stone	3	-		5600007	

DIAMOND DRESSERS

SERIES 560:



Round shank, 6" Overall Length unless otherwise shown.

"Select" Quality diamonds because of their many cutting edges, may be reset several times.

Carat	MEDA			Price
	3/8 Shank	7/16 Shank	1/2 Shank	
1/4 x 3 OAL	5601630	5601631	5601632	
1/4	5601660	5601661	5601662	
1/3 x 3 OAL	5602130	5602131	5602132	
1/3	5602160	5602161	5602162	
1/2	5603260	5603261	5603262	
3/4	5604860	5604861	5604862	
1	5606460	5606461	5606462	
1-1/2	5609660	5609661	5609662	
2	5620060	5620061	5620062	
3	9630060	5630061	5630062	
4	-	5640061	-	
5	-	9650001	-	

DIAMOND NIB HOLDER

SERIES 191:

- Designed for use on surface grinders
- Holds Diamond dresser at proper 15° Angle
- Base dimension: 2-1/2" x 6" (63.5mm x 152mm)
- Key-way: 1/2" wide x 7/8" (12.7mm x 22.22mm)
- Includes Diamond dresser 7/16" (11.1mm) x 2" (50mm) (1/4 Carat)



Order No.	Description	Price
1910004	Diamond Nib Holder	
1910005	Replacement Diamond dresser only 7/16" (11.1mm) x 2" (50mm)(1/4 carat)	

Carat	"SELECT" QUALITY - STAR USA			Price
	3/8 Shank	7/16 Shank	1/2 Shank	
1/4	5601600	5601601	5601602	
1/3	5602100	5602101	5602102	
1/2	5603200	5603201	5603202	
3/4	5604800	5604801	5604802	
1	5606400	5606401	5606402	
1-1/2	353005	5609601	353205	
2	353006	5620001	353206	
3	-	5630001	-	



LOW-BOY ANGLE DRESSER

SERIES 191:

Order No.	Description	Price
1910008	Complete, with diamond dresser	
1910009	Replacement diamond dresser only 3/8" (9.5mm) x 2" (50mm) (1/4 Carat)	



- Designed for use on all grinding machines.
- Base Angle-Plate is Heavy, Precision Ground, Square on all six sides to an accuracy of .0005"
- Side Block Pivots on hardened shoulder screws.
- Includes Diamond dresser 3/8" (9.5mm) x 2" (50mm) (1/4 Carat).

HAND DIAMOND DRESSERS

SERIES 560:

- Dressers fitted with plastic handle
- Shank Diameter 7/16" (11.1mm); overall length 8" (200mm)
- Beautiful chrome finish
- High quality diamonds
- Ideal tool for dressing wheels for surface grinders, universal grinders etc.
- Moderately priced

Order No.	Diamond Size	Price
5601400	1/4 Carat	
5601300	1/3 Carat	
5601200	1/2 Carat	
5603400	3/4 Carat	
5601000	1 Carat	
5601120	1-1/2 Carat	
5602000	2 Carat	
5603000	3 Carat	
5604000	4 Carat	
5605000	5 Carat	



WHEEL DRESSER

SERIES 191:

- For dressing surface wheels
- Adjusts easily from 0-8"
- Uses standards 3/8" shank diamonds
- Supplied complete with diamond



HI-LOW ADJUSTABLE DRESSER

SERIES 191:

- Designed for use on all grinding machines
- Dress O.D. and face of wheels
- Adjustable to 7" (175mm) height
- Dress any width
- Rugged Construction
- Includes Diamond dresser: 3/8"(9.5mm) x 3" (75mm) (1/4 Carat)



Order No. 1425001	Price	
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Order No. 1910006	Price	
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DRESSING TOOLS
SERIES 901:



GRIT TOOLS

Features:

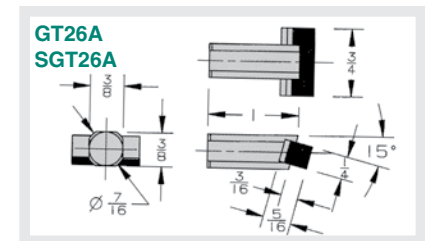
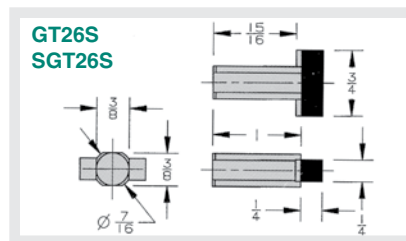
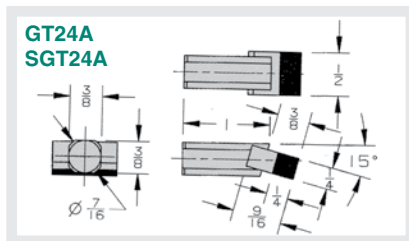
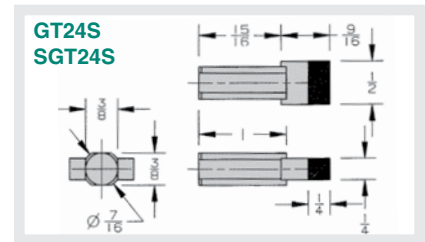
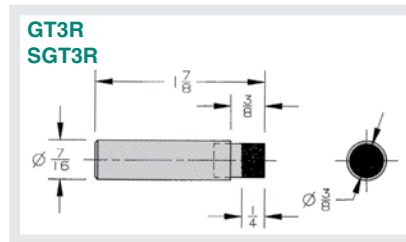
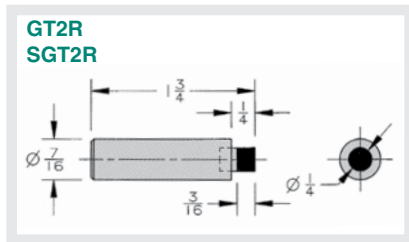
- Uniformly distributed diamonds in a tough, durable matrix
- Overall diamond weight exceeds equivalent single point tool
- Multiple diamond points exposed to truing operation
- Medalist grit tools contain 3 times the standard diamond concentration

Benefits:

- Tools require no turning
- Longer tool life
- Consistent performance throughout tool life
- Faster, more consistent straight face dressing than with single point tools
- Because of a larger diamond section dressing can be accomplished quickly



STAR USA offers grit tools for straight dressing various diameter grinding wheels; a GT for conventional abrasive wheels and SGT for ceramic and silicon carbide wheels.



1 TOOL PER BOX

Order No.	Product No.	Shank Dia.	Diamond Section Size	Recommended for Wheel Dia.	Price
Grit Tools for ceramic and silicon carbide wheels					
92037	SGT7	7/16"	1/4 Round x 1/4" Long	Up to 10" Dia.	
92038	SGT8	7/16"	3/8 Round x 3/8" Long	11" to 14" Dia.	
92040	SGT3	7/16"	1/4 x 1/2 x 3/8" at 15° Angle	15" to 20" Dia.	
92041	SGT4	7/16"	1/4 x 3/4 x 5/16" Straight	Over 20" Dia.	
Grit Tools for conventional wheels					
92031	GT7	7/16"	1/4 Round x 1/4" Long	Up to 10" Dia.	
92032	GT8	7/16"	3/8 Round x 3/8" Long	11" to 14" Dia.	
92033	GT1	7/16"	1/4 x 1/2 x 3/8" Straight	15" to 20" Dia.	
92034	GT3	7/16"	1/4 x 1/2 x 3/8" at 15° Angle	15" to 20" Dia.	
92035	GT4	7/16"	1/4 x 3/4 x 5/16" Straight	Over 20" Dia.	
92036	GT6	7/16"	1/4 x 3/4 x 5/16" at a 15° Angle	Over 20" Dia.	



TechTip

- Tool should have full face contact with the wheel.
- When using a new tool, 3-5 passes at .005" per pass should be taken to expose the diamonds.
- Infeed per pass not to exceed .003" (.0015" for a Medalist product).
- Traverse rates may range from 6-10" per minute.
- Use coolant whenever possible.
- To optimize applications using Medalist abrasives and/or tools, normal dressing parameters must change. Significant reductions in the amount of infeed and frequency of dress will result in substantially lower cost per part ground.
- It is the user's responsibility to refer to and comply with ANSI B7.1



DRESSING TOOLS

SERIES 901:



MEDALIST SINGLE POINT DRESSERS FOR CERAMIC AND SILICON CARBIDE WHEELS

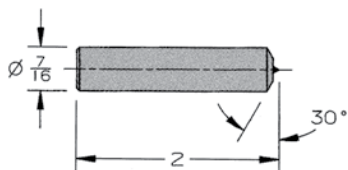
Features:

- Broad shape, long lasting diamond
- Each diamond is hand selected for stone shape, quality and structural integrity
- Multiple purpose

Benefits:

- Fast truing and dressing action
- Specifically designed as an economical alternative for dressing Medalist abrasives
- Accommodates most straight dressing and minor form dressing applications
- Stands up to Medalist abrasive sharpness: can also be used to dress conventional abrasives

Designed for truing and dressing of Medalist abrasive surface and cylindrical grinding applications in toolrooms, machine shops and light industrial applications. Engineered to withstand Medalist abrasive grinding wheel dressing pressures. Furnished with specially selected diamonds, the Medalist single point tool has the versatility to be used on conventional abrasives with significant benefits. Best choice for Medalist abrasive when a disposable product is preferred.



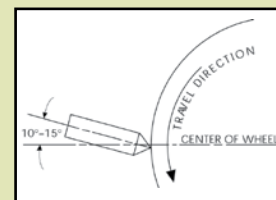
Available in either 3/8" or 7/16" Diameter Shank



TechTip

Use Single Point Dressers at a 15° angle to the wheel centerline.

- It is the user's responsibility to refer to and comply with ANSI B7.1



1 DRESSER PER BOX

Order No.	Product No.	Shank Dia.	Shank Length	Diamond Carat Weight	Price
Medalist Single Point Dressers					
92013	MSPDT2-3/8	3/8	2.0"	1/4 (.25)	
92014	MSPDT3-3/8	3/8	2.0"	1/3 (.33)	
92015	MSPDT5-3/8	3/8	2.0"	1/2 (.50)	
92018	MSPDT2-7/16	7/16	2.0"	1/4 (.25)	
92019	MSPDT3-7/16	7/16	2.0"	1/3 (.33)	
92020	MSPDT5-7/16	7/16	2.0"	1/2 (.50)	
92021	MSPDT7-7/16	7/16	2.0"	3/4 (.75)	
92022	MSPDT10-7/16	7/16	2.0"	1 (1.00)	

These tools can not be reset.

CONVENTIONAL SINGLE POINT DRESSERS FOR ALUMINUM OXIDE WHEELS

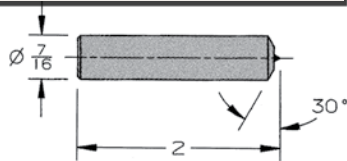
Features:

- Well defined sharp diamond point
- Accommodates most straight dressing and minor form dressing applications

Benefits:

- Fast truing and dressing action
- Economical choice for dressing conventional abrasives

Designed for truing and dressing of conventional abrasive surface and cylindrical grinding operations in toolrooms, machine shops and light industrial applications. Best choice when a disposable product is preferred.



Available in either 3/8" or 7/16" Diameter Shank

1 DRESSER PER BOX

Order No.	Product No.	Shank Dia.	Shank Length	Diamond Carat Weight	Price
Conventional Single Point Dressers					
92001	SPDT1-3/8	3/8	2.0"	1/5 (.20)	
92002	SPDT2-3/8	3/8	2.0"	1/4 (.25)	
92003	SPDT3-3/8	3/8	2.0"	1/3 (.33)	
92004	SPDT5-3/8	3/8	2.0"	1/2 (.50)	
92005	SPDT7-3/8	3/8	2.0"	3/4 (.75)	
92006	SPDT10-3/8	3/8	2.0"	1 (1.00)	
92007	SPDT1-7/16	7/16	2.0"	1/5 (.20)	
92008	SPDT2-7/16	7/16	2.0"	1/4 (.25)	
92009	SPDT3-7/16	7/16	2.0"	1/3 (.33)	
92010	SPDT5-7/16	7/16	2.0"	1/2 (.50)	
92011	SPDT7-7/16	7/16	2.0"	3/4 (.75)	
92012	SPDT10-7/16	7/16	2.0"	1 (1.00)	

These tools can not be reset.

GENERAL PURPOSE RADIUS TOOLS

Features:

- Dresses a wide range of radius sizes.

Benefits:

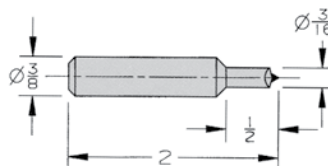
- Economical alternative for form dressing.

For concave or convex dressing.

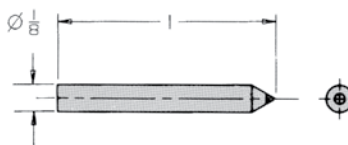
1 DRESSER PER BOX

These tools can not be reset.

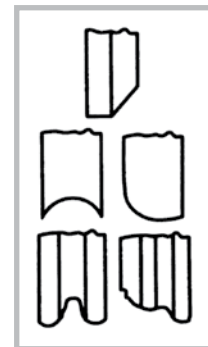
Order No.	Product No.	Shank Dia.	Shank Length	To Dress a Radius of	Price
Radius Dresser					
92024	RDT-3/8	3/8	2.0"	1/32" thru 1/4	
Order No.	Product No.	Shank Size		Included Angle	Price
Phono Point Tools					
92025	PPDT60-1/8	1/8 x 1"		60°	
92026	PPDT75-1/8	1/8 x 1"		75°	
92027	PPDT90-1/8	1/8 x 1"		90°	



RADIUS DRESSER



PHONO POINT TOOL



TYPICAL WHEEL FORMS TO WHICH PHONO POINT TOOLS CAN BE APPLIED

GRINDING WHEEL DRESSERS
SERIES 191:



Sturdy construction. Made of cast iron. These dressers will quickly remove the load from grinding wheels and present a new and fast grinding surface.

For use on wheels		Order No.	Price
Diameter	Face		
Up to 10	2	1910000	
10-16	3	1910001	
16-36	3-1/2	1910002	

EXTRA CUTTERS FOR GRINDING WHEEL DRESSERS

For use with	Order No.	Price
1910000	1911000	
1910001	1911001	
1910002	1911002	



RADIUS DRESSER
SERIES 191:
For Surface Grinders



This radius dresser shapes and dresses grinding wheels from below so that there is no need to remove the grinder wheel guard. The shaft is of hardened ground steel, turning in a cast iron bearing that permits very fine adjustment. Spindle is spring loaded. For use with any 1/2" shank diamond. Diamond not included.



Capacity 7"
Convex radii up to 1-3/4"
Concave radii up to 4"
Width 2-1/4"
Length 7"
Height 5"
Weight 6lbs.

Order No. 1425007	Price	
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PROFILE WHEEL DRESSER
SERIES 465:



- Extremely accurate, this radius and angle dresser can dress 2 angles tangent to a radius in one continuous motion to within .0001" (0.002mm).
- Fast and easy set-ups without elaborate accessories: only tools needed are a micrometer and a hex key wrench.
- Precise and sharp contours, concave or convex, are consistently obtained at a full 180° range.
- Made from hardened, ground and lapped alloy tool steel.
- No exposed wear surfaces. Swivels on sealed bearings.
- Wheel dresser is furnished complete with base featuring one inch adjustment.
- Graduation micrometer knob provides fine adjustment to accurately dress small radii.



Overall Height 7"
Dimensions 4-3/4 x 3-1/2 x 1-1/4"H
Range of Convex Radii 0 - 1.500"
Range of Concave Radii030 - 1.500"
Wheel dressing capacity 8" diameter
Height to center of diamond 6- 1/2"
Weight 23 lbs.

Order No. 4651012	Price	
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PUNCH FORMER
SERIES 465:



For dressing grinding wheel into various cross sections or flat or curved shapes.



Optional Accessory
Oscillating V-block for tangent dressing

Max. dia. workpiece 1-1/4"
V-Block 1-3/16"
Tangential Travel (either side of center) 25/32"
V-Block Adjusting System Rack & pinion
Center Height 3-1/2"
Indexing Div. 24 every 15° ± 10 sec.
Roundness0001"
Parallelism within .0001" in 4"
Squareness within .0002" in 4"
Graduation 360°

Order No. 4651013	Price	
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Order No. 4651015	Price	
(Includes optional V-block)		

RADIUS AND ANGLE DRESSER
SERIES 465:



Suitable for all O.D., I.D., and surface grinding operations. Included center line gage ensures accurate setting of diamond. Critical parts are hardened and ground to close tolerances. Both radius and angle dressing are controlled by a knob so that the operator's hands remain far from the point of contact. Uses standard 3/8" shank diamonds. Diamond included.



Maximum dia. of wheels 12"
Internal Radii 5/8" - 1-5/8"
External Radii 0 - 1-5/8"
Height of Center 4"
Tangent travel from center 1-5/8"
Overall Length 13-1/2"
Weight 20lbs.

Included Accessories:
*15" with extension
** 1/32" - 1-5/8" with Rat-Tail Adaptor

Order No. 2580000	Price	
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VISI-DRESS RADIUS AND ANGLE DRESSER
SERIES 465:



- 1° Vernier markings for dressing angles.
- Magnification, through hole in the spindle, makes it possible for the operator to see how to dress the form on the grinding wheel.
- Fixed Focus Lens (3X)
- Wheel form grinding done easily and accurately
- Furnished with 90° phonopoint diamond
- Compact design
- Case



Overall Height 4"
Length 8-1/4"
Swing Arm 180°
Max. Size Grinding Wheel 8"
Max. Outside Radius (on wheel) 5/8" approx.
Max. Inside Radius (on wheel) 1" approx.
Spindle 1" O.D.
Weight 11 lbs.

Order No. 4651014	Price	
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