

ROTTLER

SG7 Cylinder Head Seat & Guide Machine

PERFORMANCE RACING AND ENGINE REBUILDING MACHINERY AND EQUIPMENT

CONCENTM

*The ultimate
accuracy
in valve seat
machining*



Special
Starter
Package
See back for
details

THE CUTTING EDGE

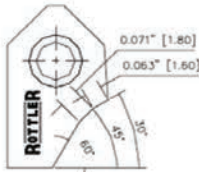
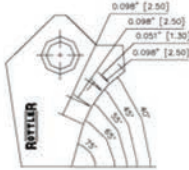
SG7 Cylinder Head Seat & Guide Machine



Profile Cutting Inserts

Rottler Inserts are manufactured on two carbide blanks.

RCA insert profiles are designed for regular 3 angle seat applications.



RCB insert profiles are designed for multiple angles and radius and are recommended for high performance applications.

Dual Speed Spindle Feed

Large handwheel provides rapid feed and small handwheel allows precise fine feed control of the spindle – essential when depth of cut must be maintained to extreme levels of accuracy.

Universal Tooling and Equipment

Fixed Diameter Milling Heads

for counterboring for a new seat ring – gives correct interference for press fit with no adjusting or setting. Indexable Carbide Inserts have 4 corners and are easy to change when dull.



Electronic Level

Electronic level for precision leveling of guides (pictured with canted guide fixture).



New from Rottler!

Indexable Triangular Coated Carbide Tool Holders in: 0, 10, 20, 30, 45 degrees. Ideal and economical when cutting only one seat angle and for boring out old seat rings and boring for new seat rings.



Collet chuck with set of 8 collets.

Precision Collet Chuck allows holding of reamers, cutters, drills, taps and other tools for special machining operations range from: .250\"/>



Cutting Insert Diamond Sharpener

Rottler offers machine mounted diamond sharpener for fast easy sharpening of RCA & RCB cutting inserts.



Boring Micrometer

Digital Micrometer for accurate setting of counterboring inserts for boring for replacement valve seat rings.



Basic Tooling Package



1	RBHAR1	Rottler Spring Free Spherical Self Aligning Spindle Adapter for Rottler R1 Rottler Spindle Taper
1	BH375R1	Spring-Free Spherical Tool Holder for use w/ TH2000, TH2001, TH2002 Tip Holders
1	TH2000	Tip Holder, Range: .597" - 1.180" (15.16mm - 30mm)
1	TH2001	Tip Holder, Range: .850" - 1.625" (21.6mm - 41.3mm)
1	TH2002	Tip Holder, Range: 1.570"-2.360" ((40mm-60mm)
1	T8D	T8 Torx Tip Holding Screw Driver
1	DSP	Tool setting Device with Interchangeable Point
1	BM	Boring Micrometer, Digital Reading Inch and Metric (.800" - 2.80") with setting standard for .375" (9.52mm) and 6.00mm (152.40mm) shank diameter
1	PRW375	Pilot Removal Wrench for .375" pilot shank.
1	RCA 004	Carbide Insert: 30-45-60 / 1.6 -1.3
1	RCA 014	Carbide Insert: 30-45-60 / 1.4 -1.6
1	RCA 026	Carbide Insert: 30-45-60 / 1.6 -1.9
1	RCA 303	Carbide Insert: 15-30-45 / 1.4 -1.5
1	RCA 314	Carbide Insert: 15-30-60 / 2.0 -1.9
2	RCA 512	Counterboring 90 Degree Carbide Insert
14	UCP-5TO10STD	UNIPLOT Carbide Pilots UCP .375" (9.52mm) Shank Diameter / Total Length 7.500" Range from .196" to .394" (5.00 - 10.00mm)
1	BWS02	Diamond Wheel Cutting Bit Sharpener



Rottler's 360 Degree Rollover

The fixture allows large, long heads, such as this Jaguar XJ6, to be rolled 360 degrees for multiple operations such as boring cam follow bores and repairing broken exhaust studs by drilling and tapping.



SG7 Specifications

Machining Capacity - Diameter	Min.570" / 14.5mm Max 2.360" / 60mm	Air Requirements	90 to 100 PSI / 6 Bar
Maximum Tilt (Either side from zero)	15 degrees	Working Dimensions	75" X 42" X 80" High 1905mm X 1067mm X 2032mm High
Distance from Table to Spindle	19.5" / 495mm	Shipping Dimensions	47" X 35" X 80" High 1194mm X 990mm X 2032mm High
Maximum Cylinder Head Length (with 360° rollover fixture)	26.0" / 670mm	Shipping Weight	1600 lbs. / 728 kg
Spindle Speed	40 - 400 rpm	Spindle Motor	3/4 HP / .56 kW
Maximum Spindle Stroke	7.250" / 184mm	Electrical Requirements	208/240 volt, single phase, 15 amp

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