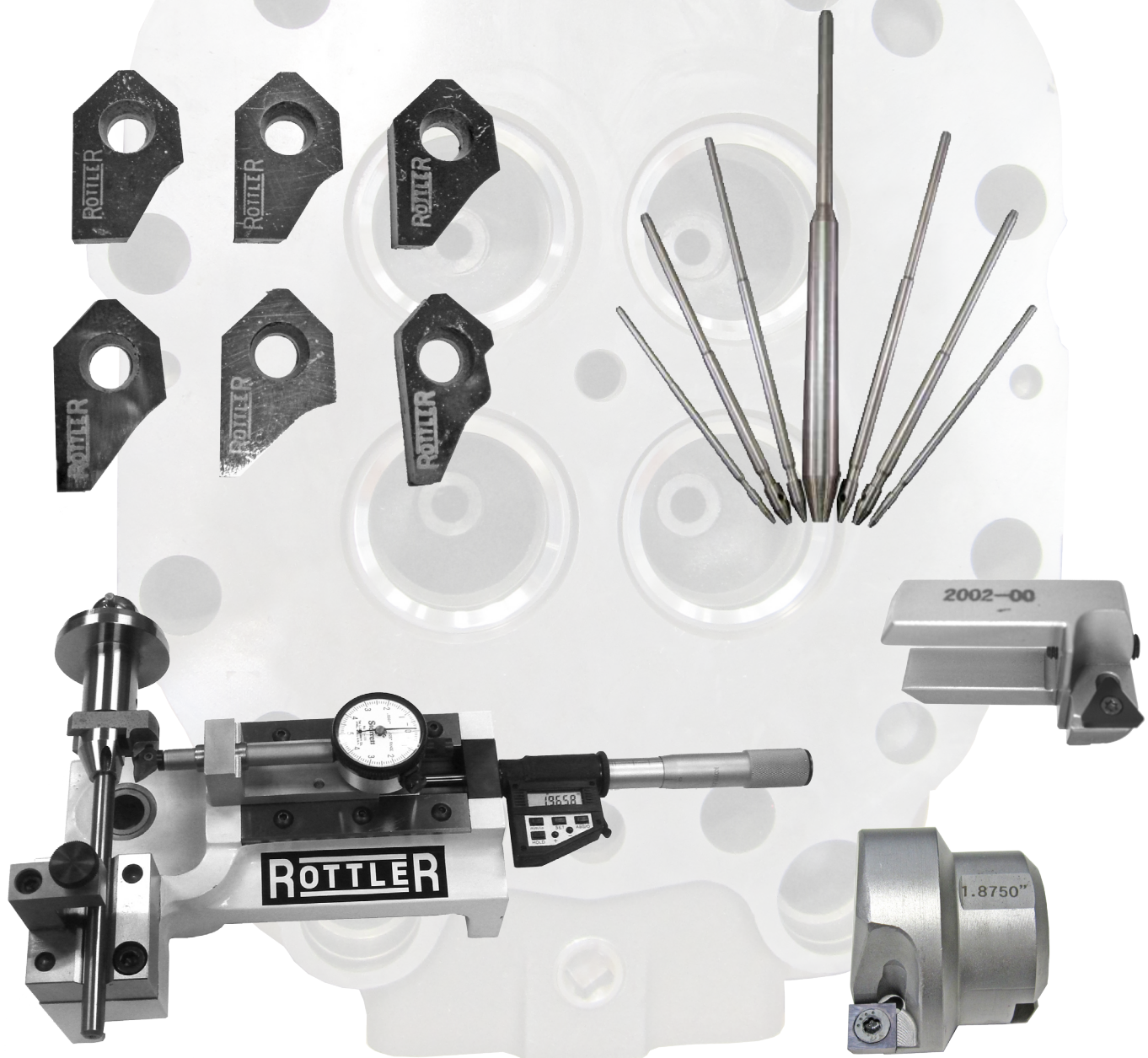


ROTTLER

SG80A OPTIONAL EQUIPMENT CATALOG



ORDERING PROCEDURE

Contact your regional Rottler sales rep for assistance in ordering optional equipment, replacement parts, or tooling.

If you are unable to contact your regional Rottler sales rep, call the factory at 253-872-7050 and ask to speak to the parts sales specialist.

Have the following information handy to expedite the ordering process:

1. Your name, business name, and contact number
2. Customer number
3. If you don't have a customer number, your billing address
4. Shipping address if different from billing address
5. Machine model and serial number
6. Part number and description of what you want to order
7. Preferred method of shipment

You may also contact us via e-mail with the above information. Send e-mail requests to:
parts@rottlermfg.com

In some cases you may be requested to send a photo of the part you are ordering if it is a replacement part, or doesn't appear in the database.

If you are unsure which part you need to order, contact our service department and ask to speak to one of our service consultants. They will assist you in determining which part you require.

THERE IS A MINIMUM ORDER OF \$25.00

Contents

Rottler UNIPILOT Spindle Adapters and Tool Holders.....	1
RBHAR40UPT UNIPILOT Spindle Adapter	1
UPT5200SH UNIPILOT Tool Holder	1
UPT5400SH UNIPILOT Tool Holder	1
Spherical Self Aligning Spindle Adapters	2
RBHAR40 Spring Free Spherical Self Aligning Spindle Adapter	2
RBHAR40STD Spring Free Spherical Self Aligning Spindle Adapter	2
Suggested Tool holders and Insert Holders	2
BH20-R Spring Free Spherical Self Aligning Large Tool Holder	2
BH20-RW Spring Free Spherical Self Aligning Extra Large Tool Holder.....	2
BH375WR1 Spring Free Spherical Self Aligning Tool Holder.....	3
BH375R1 Spring Free Spherical Self Aligning Tool Holder	3
Large Insert Holders Range (3.543" to 5.900" / 90.00mm to 150.00mm).....	3
TH3005.....	3
TH3006.....	3
TH3007.....	3
TH3008.....	3
TH3005-00.....	4
TH3005-10.....	4
TH3005-20.....	4
TH3005-30.....	4
TH3005-35.....	4
TH3005-45.....	4
TH3005-60.....	4
Insert Holders to be used with BH375-WR1 and BH375-R1 Tool Holders.....	5
TH1999 Tip Holder	5
TH2000 Tip Holder	5
TH2001 Tip Holder	5
TH2002 Tip Holder	5
TH2003 Tip Holder	5
TH2004 Tip Holder	5
TH2005 Tip Holder	6
Triangular Insert Tip Holders.....	6
TH2000-00.....	6
TH2001-00.....	6

TH2002-00	6
TH2002-20	6
TH2002-30	7
TH2002-45	7
TH2003-00	7
TH2003-20	7
TH2003-30	7
TH2003-45	7
TH2004-00	8
TH2004-20	8
TH2004-30	8
TH2004-45	8
Insert Holder for Large Seat to be Used Only on BH375W-RI	9
TH2005-00	9
TH2005-20	9
TH2005-30	9
TH2005-45	9
Triangular Inserts and T-7 Torx Driver for Insert Holders	10
RT211 Triangular Insert	10
RT212 Triangular Insert	10
RT321 Triangular Insert	10
RT322 Triangular Insert	10
RT211CBN	10
RT321CBN	10
T7D T7 Torx Driver	10
Pre-Settable Adjustable Diameter Valve Seat Housing Cutterheads	11
7630D Pre-settable Adjustable Diameter Valve Seat Housing Cutterhead	11
7630 Pre-Settable Adjustable Diameter Valve Seat Housing Cutterhead	11
7630G Pre-Settable Adjustable Diameter Valve Seat Housing Cutterhead	11
Rottler R40 Taper Spindle Adapters	12
COLLETKITR40	12
SAD375R40 Spindle Adapter	12
SAD750R40 Spindle Adapter	12
R40MT2 Adapter for Morse #2 to Rottler ISO 40 Spindle Taper	13
R40MT3 Adapter for Morse #3 to Rottler ISO 40 Spindle Taper	13
R40MT2EL2 Adaptor for Morse #2 to Rottler ISO 40 Spindle Taper (2" Extended Length)	13

Special Fixtures, Clamps and Parallels	14
PER-FIX-MH-CAT3500	14
2DEGREE-TILT	14
MULTIHEADFIX	15
7242N Clamp Tower Assembly	16
CANTEDFIX	16
Suggested Basic Tooling	17
T7D	17
T8D	17
T15D	17
PRW20	17
PRW375	17
ALLEN-KEYS-IN	18
ALLEN-KEYS-MM	18
Micrometers Setting Fixtures and Measurement Tools	18
CALFIXT20	18
DSP20	19
DSP	19
BM20	20
BM	20
6-1SETTINGFIX	21
VSG102-375	21
VSG2000	22
502-11-39L	22
502-11-39D	22
CUTTING INSERTS	23
Cutting Insert Sharpener for Multi Angle Inserts	23
BWSHD20 Heavy Duty Diamond Wheel Insert Sharpener	23
BWS02 Diamond Wheel Cutting Bit Sharpener - Single Wheel	24
Rottler Profile Cutter Inserts	25
Automotive Import, Domestic and Diesel Inserts	25
Suggested 45 Degree Seat Inserts	25
RCA001 Carbide Seat Insert	25
RCA004 Carbide Seat Insert	25
RCA005 Carbide Seat Insert	25
RCA007 Carbide Seat Insert	25
RCA014 Carbide Seat Insert	25

RCA026 Carbide Seat Insert	25
Suggested 30 Degree Seat Inserts	26
RCA301 Carbide Seat Insert.....	26
RCA303 Carbide Seat Insert.....	26
RCA307 Carbide Seat Insert.....	26
RCA348 Carbide Seat Insert.....	26
Suggested 37.5 Degree Seat Inserts	27
RCA401 Carbide Seat Insert.....	27
Suggested Straight Angle Seat Inserts	27
RCA511 Carbide Seat Insert	27
RCA512 Carbide Seat Insert.....	27
RCA513 Carbide Seat Insert.....	27
RCA501 Carbide Seat Insert.....	28
RCA521 Carbide Seat Insert.....	28
RCA502 Carbide Seat Insert.....	28
RCA503 Carbide Seat Insert.....	28
RCB506 Carbide Seat Insert.....	28
Suggested 45 Degree Seat Inserts for Multi-Valves Cylinder Heads	29
RCA632 Carbide Seat Insert.....	29
RCA637 Carbide Seat Insert.....	29
High Performance Inserts	30
RCB605 Carbide Seat Insert.....	30
RCB607 Carbide Seat Insert.....	30
RCB608 Carbide Seat Insert.....	30
RCA614 Carbide Seat Insert.....	30
RCB620 Carbide Seat Insert.....	31
RCB621 Carbide Seat Insert.....	31
RCA623 Carbide Seat Insert.....	31
Harley Davidson Inserts.....	32
RCA626 Carbide Seat Insert.....	32
RCA633 Carbide Seat Insert.....	32
RCA640 Carbide Seat Insert.....	32
Suggested Standard Carbide RCC Type Inserts for Large Seats Single Angle	32
RCC702 Carbide Seat Insert.....	32
RCC703 Carbide Seat Insert.....	32
RCC704 Carbide Seat Insert.....	32
RCC705 Carbide Seat Insert.....	33
Suggested Standard Carbide RCC Type Inserts for Large Seats	33
RCC721 C Blank Carbide Seat Insert.....	33

RCC722 C Blank Carbide Seat Insert T15	33
RCC723 C Blank Carbide Seat Insert.....	34
RCC724 C Blank Carbide Seat Insert.....	34
RCC725 C Blank Carbide Seat Insert.....	34
RCC726 C Blank Carbide Seat Insert.....	34
RCC727 C Blank Carbide Seat Insert.....	35
RCC728 C Blank Carbide Seat Insert.....	35
RCC729 C Blank Carbide Seat Insert.....	35
RCC730 C Blank Carbide Seat Insert.....	35
RCC731 C Blank Carbide Seat Insert.....	36
RCC741 C Blank Carbide Seat Insert.....	36
RCC742 C Blank Carbide Seat Insert.....	36
RCC743 C Blank Carbide Seat Insert.....	36
RCC761 C Blank Carbide Seat Insert.....	37
RCC762 C Blank Carbide Seat Insert.....	37
RCC763 C Blank Carbide Seat Insert.....	37
RCC764 C Blank Carbide Seat Insert.....	37
RCC765 C Blank Carbide Seat Insert.....	38
90 Degree Insert for Counterboring.....	38
RCA511 Carbide Seat Insert	38
RCA512 Carbide Seat Insert	38
RCA513 Carbide Seat Insert	38
Rottler Special Profile Cutter Inserts Policy	39
Miscellaneous Tooling	39
COLLETKITR40.....	39
ER40-250	40
ER40-312	40
ER40-343	40
ER40-375	40
ER40-437	40
ER40-500	40
ER40-562	40
ER40-750	40
ER40-875	40
ER40-1000	40
ER40SW.....	40
COLLET40-BOX	41
CCWSETR40	41
PC750R40	41
Available Carbide Pilots by Diameter and Length.....	42

Suggested UNIPILOT Carbide Pilot for Large Cylinder Heads 20.00mm Shank Diameter.....	43
UCP499EL1220	43
UCP500EL1220	43
UCP434EL1220	43
UCP435EL1220	43
UCP560EL1220	43
UCP630EL1520	43
UCP631EL1520	43
UCP632EL1520	43
UCP874EL1320	43
Miscellaneous Tooling	43
CDR312 Combo Core drill / Reamer	43
CDR343 Combo Core drill / Reamer	43
CDR375 Combo Core drill / Reamer	43
VSD100-KIT Valve Seat Driver Kit	44
VGD-KIT Valve Guide Driver Kit	45
VGTC-KIT3 Valve Guide Top Cutter Kit	45
Fixed Double Insert Milling Heads	46
FMH10000R1 1.0000" Fixed Double Replaceable Insert Milling Head	46
FMH10625R1 1.0625" Fixed Double Replaceable Insert Milling Head	46
FMH11250R1 1.1250" Fixed Double Replaceable Insert Milling Head	46
FMH11875R1 1.1875" Fixed Double Replaceable Insert Milling Head	46
FMH13125R1 1.3125" Fixed Double Replaceable Insert Milling Head	46
FMH13750R1 1.3750" Fixed Double Replaceable Insert Milling Head	46
FMH14375R1 1.4375" Fixed Double Replaceable Insert Milling Head	47
FMH15000R1 1.5000" Fixed Double Replaceable Insert Milling Head	47
FMH15625R1 1.5625" Fixed Double Replaceable Insert Milling Head	47
FMH16250R1 1.6250" Fixed Double Replaceable Insert Milling Head	47
FMH16875R1 1.6875" Fixed Double Replaceable Insert Milling Head	47
FMH17500R1 1.7500" Fixed Double Replaceable Insert Milling Head	47
FMH18125R1 1.8125" Fixed Double Replaceable Insert Milling Head	48
FMH18750R1 1.8750" Fixed Double Replaceable Insert Milling Head	48
FMH20000R1 2.0000" Fixed Double Replaceable Insert Milling Head	48
Consumable Parts for Seat and Guide Models.....	49
SLEEVE1 Spindle Adapter Replacement Sleeve	49
BSW002 Diamond Wheel	49
VT-FP1562 Replacement Foam Pad	49
VT-FP1875 Replacement Foam Pad	49
VT-FP2125 Replacement Foam Pad	49



VT-FP3125 Replacement Foam Pad.....	49
VT-FP25X22 Replacement Foam Pad	49
VT-FP31X20 Replacement Foam Pad	49
VT-FP33X27 Replacement Foam Pad	49
PRW600PIN Replaceable Pin.....	50
PRW375PIN Replaceable Pin.....	50
PRW20PIN Replaceable Pin.....	50
511-29-12E Torx Screw	50
T7D T7 Torx Driver.....	50
T8S T8 Torx Tip Holding Screws	50
T15S T15 Torx Tip Holding Screws	50
S1032-250 BH375R1 and BH600R1 Tip Holder Locking Screw	50
S250-28-250 BH375WR1 Tip Holder Locking Screw	50
S1032-437 TH1999 Adjusting Screw	50
S1032-375 TH2000 Adjusting Screw	50
S1032-500 TH2001 Adjusting Screw	50
S1032-625 TH2002 Adjusting Screw	50
S500-1600 TH2003 Adjusting Screw	50
S600-2015 TH2004 Adjusting Screw	50
ICC003 Insert, Indexable Carbide.....	50
ICC002 Insert, Indexable Carbide.....	50

Rottler UNIPILOT Spindle Adapters and Tool Holders

RBHAR40UPT spindle adapter can be assembled with UPT5200SH and UPT5400SH for complete quick change UNIPILOT tooling for production applications.

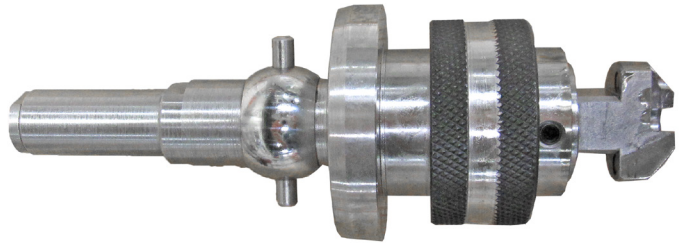
RBHAR40UPT UNIPILOT Spindle Adapter

For SG80A for use with UPT5200SH and UPT5400SH Tool holders listed below.



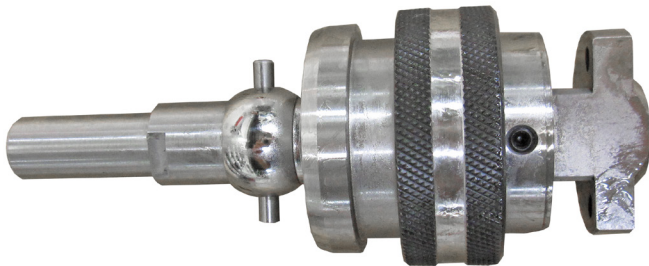
UPT5200SH UNIPILOT Tool Holder

For .375" (9.52mm) UNIPILOTS, for SG80A and SG80MTS models only, for use with TH2000, TH2001, TH2002 for Valve Seat diameter range 0.570 - 2.3600" (14.48 - 60.00mm)



UPT5400SH UNIPILOT Tool Holder

For .375" (9.52mm) UNIPILOTS, for SG80A and SG80MTS models only, for use with TH2003, TH2004, TH2005 for Valve Seat diameter range 1.27" (32.26mm) - 4.724" (120mm)



Spherical Self Aligning Spindle Adapters

For Fixed Pilot applications

RBHAR40 Spring Free Spherical Self Aligning Spindle Adapter

Patented for Rottler ISO 40 Spindle Taper for large 1.500: Diameter spherical heads



RBHAR40STD Spring Free Spherical Self Aligning Spindle Adapter

Patented for Rottler ISO 40 Spindle Taper for 1.000: Diameter Spherical heads, For .375" and 6.00mm tooling)



Suggested Tool holders and Insert Holders

For 20.00mm and .375" Pilot Shank Diameters

BH20-R Spring Free Spherical Self Aligning Large Tool Holder

For 20.00mm shank Pilots For TH3005 & TH3006 Tip Holders from 2.362 - 4.330" (60 - 110mm) diameter seats



BH20-RW Spring Free Spherical Self Aligning Extra Large Tool Holder

For 20.00mm shank Pilots For TH3007 & TH3008 Tip Holders from 3.740 - 5.905" (95 - 150mm) diameter seats

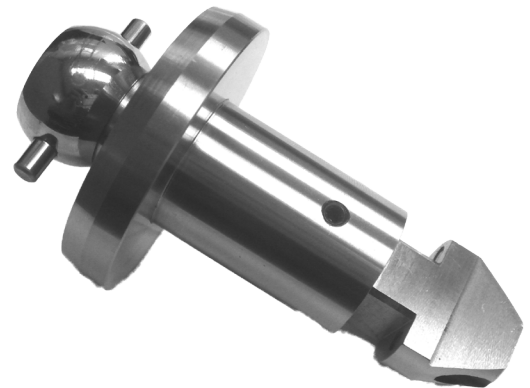


BH375WR1 Spring Free Spherical Self Aligning Tool Holder

For large diameter - Diesel Applications, For TH2003 & TH2004 Tip Holders from 1.570 - 3.150" (40 - 80mm)

**BH375R1 Spring Free Spherical Self Aligning Tool Holder**

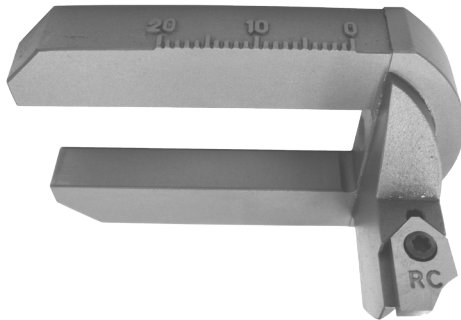
For Small and Mid-Size Diameter. For Insert Holders TH2000, TH2001, TH2002 Automotive Applications From .750 - 2.400" (20 - 60mm)

**Large Insert Holders Range (3.543" to 5.900" / 90.00mm to 150.00mm)**

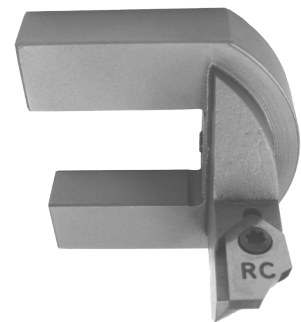
To be used with BH20-R and BH20-RW

TH3005

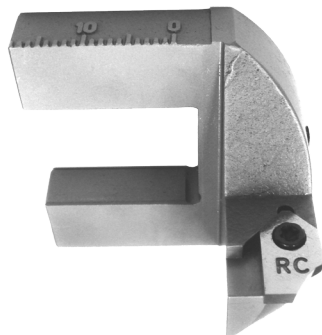
For RCC style Insert only using RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm)

**TH3006**

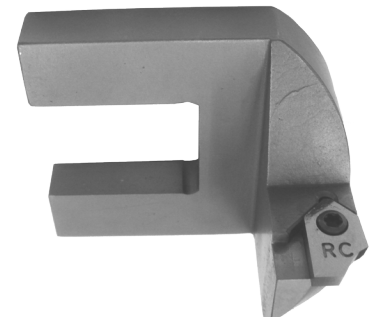
For RCC style Insert only using RBH20-RW Large tool holder. Range 3.700 - 4.606" (94.00 - 117.00mm)

**TH3007**

For RCC style Insert only using RBH20-RW Large tool holder. Range 4.370 - 5.236" (111.00 - 133.00mm)

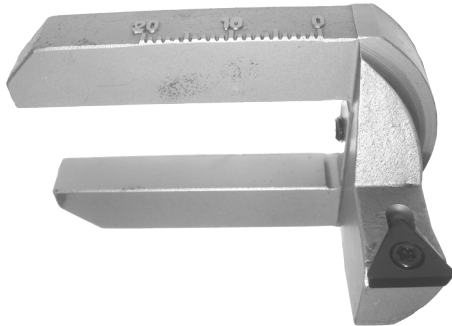
**TH3008**

For RCC style Insert only using RBH20-RW Large tool holder. Range diameter 5.039 - 5.905" (128.00 - 150.00mm)

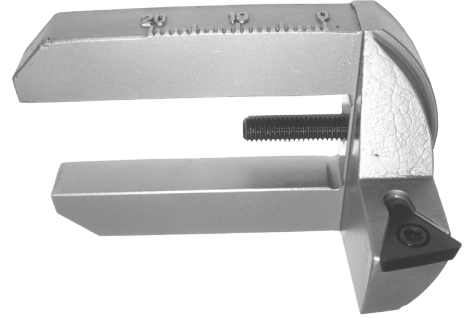


TH3005-00

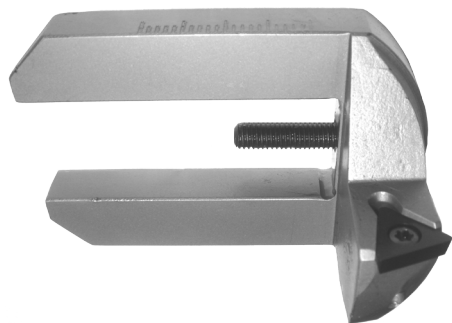
00 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (for counterboring large diameter seats)

**TH3005-10**

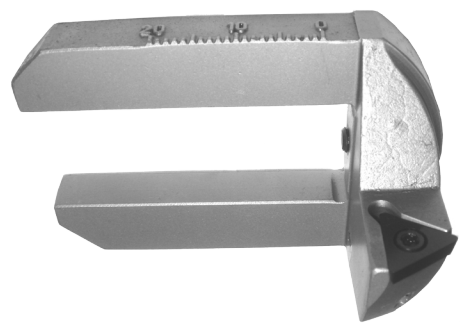
10 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

**TH3005-20**

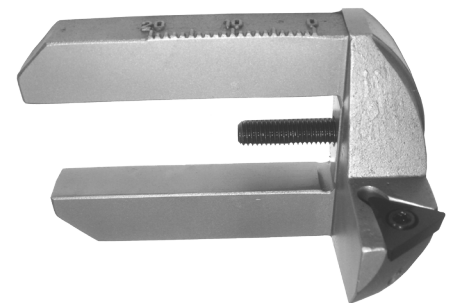
20 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

**TH3005-30**

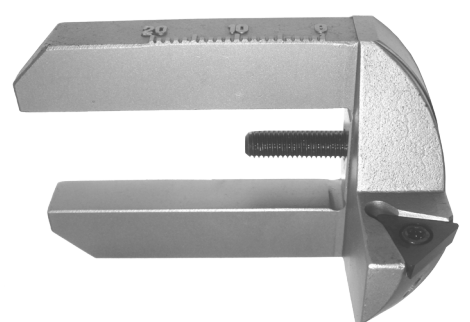
30 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

**TH3005-35**

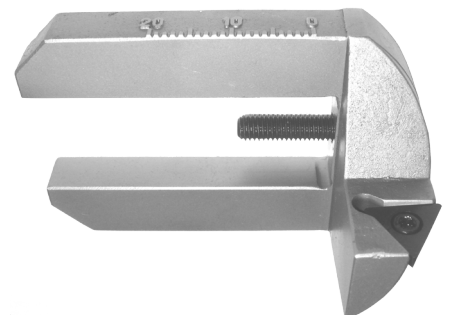
35 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

**TH3005-45**

45 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

**TH3005-60**

60 Degree using triangular Rottler style insert RT322 on the RBH20-RW Large tool holder. Range 3.543 - 5.905" (90.00 - 150.00mm) (FOR HARD SEAT APPLICATIONS)

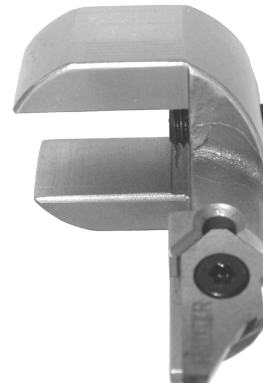


Insert Holders to be used with BH375-WR1 and BH375-R1 Tool Holders**TH1999 Tip Holder**

Range using the BH600-R1: .570 - 1.250" (14.48 - 33.52mm) (Using RCA630 Cutting Insert for minimum range) Range with BH375R1: .800 - 1.320" (20.32 - 33.52mm Using RCA630 Cutting Insert for minimum range)

**TH2000 Tip Holder**

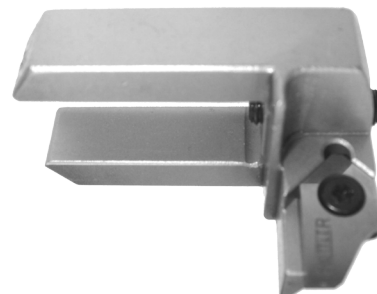
Range using the BH600-R1: .597 - 1.180" (15.16 - 30mm) (Using RCA630 Cutting Insert for minimum range) Range with BH375R1: .800 - 1.395" (20.32 - 35.43mm Using RCA630 Cutting Insert for minimum range)

**TH2001 Tip Holder**

Range using the BH600-R1: .850 - 1.625" (21.6 - 41.3mm) (Using RCA630 Cutting Insert for minimum range) Range with BH375R1: 1.00" - 1.800" (25.4 - 35.4mm Using RCA630 Cutting Insert for minimum range)

**TH2002 Tip Holder**

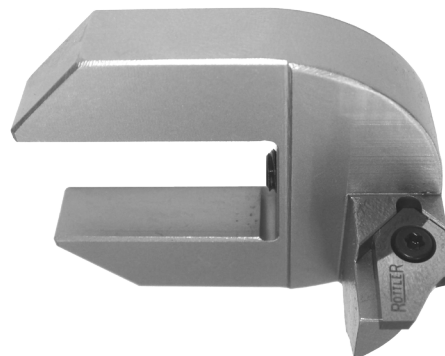
Range using the BH600-R1: 1.200 - 2.360" (30.48 - 60.0mm) (Using RCA630 Cutting Insert for minimum range) Range with BH375R1: 1.270 - 2.360" (32.26 - 59.94mm Using RCA630 Cutting Insert for minimum range)

**TH2003 Tip Holder**

Range: 1.270 - 2.360" (32.26 - 60mm) (Using RCA630 Cutting Insert for minimum range) For BH375WR1 Tool holder Only.

**TH2004 Tip Holder**

Range: 1.850 - 3.150" (47 - 80mm) (Using RCA630 Cutting Insert for minimum range) For BH375WR1 Tool holder Only.



TH2005 Tip Holder

Range: 2.625 - 4.724" (66.7 - 120mm) (Using RCA630 Cutting Insert for minimum range) For BH375WR1 Tool holder Only.

**Triangular Insert Tip Holders**

For Valve Seat Installation Counterboring for RT211 (1/4" I.C.) Rottler Triangular Insert Only

TH2000-00

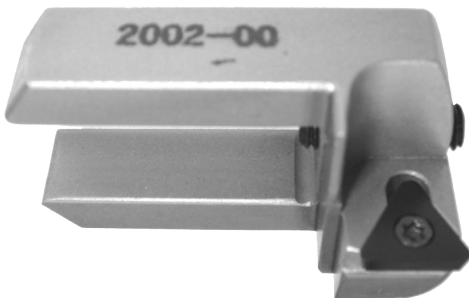
00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range with BH600-R1 Tool holder .1.055 - 1.400" - with BH375R1: 1.27 - 1.58"

**TH2001-00**

00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.100 - 1.570" (28 - 42mm)

**TH2002-00**

00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

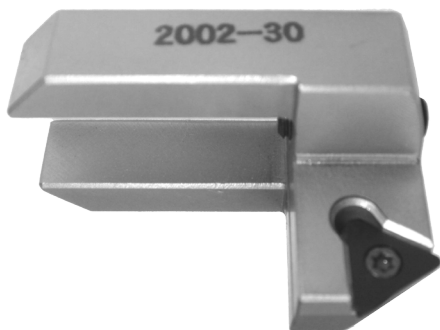
**TH2002-20**

20 Degree Triangular Tip Holder For 20 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

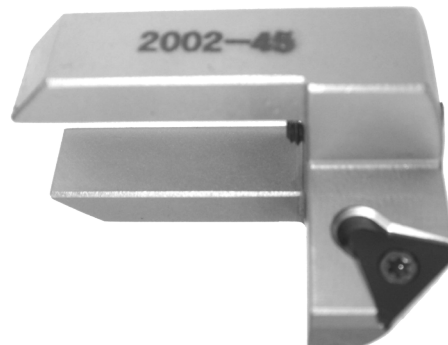


TH2002-30

30 Degree Triangular Tip Holder For 30 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

**TH2002-45**

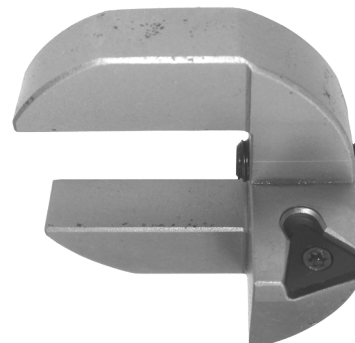
45 Degree Triangular Tip Holder For 45 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

**TH2003-00**

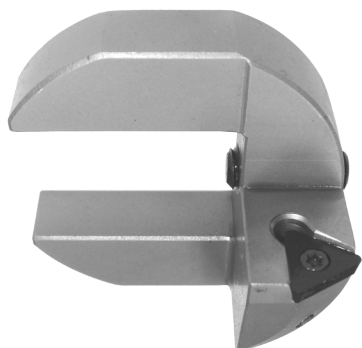
00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

**TH2003-20**

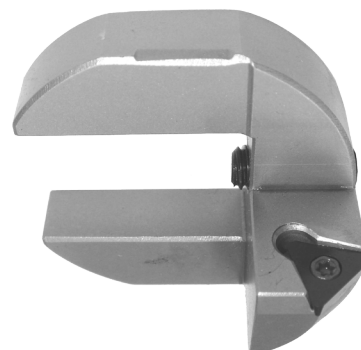
20 Degree Triangular Tip Holder For 20 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

**TH2003-30**

30 Degree Triangular Tip Holder For 30 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40 - 60mm)

**TH2003-45**

45 Degree Triangular Tip Holder For 45 Degree Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375R1 Self Aligning Tool holder. Range: 1.570 - 2.360" (40-60mm)

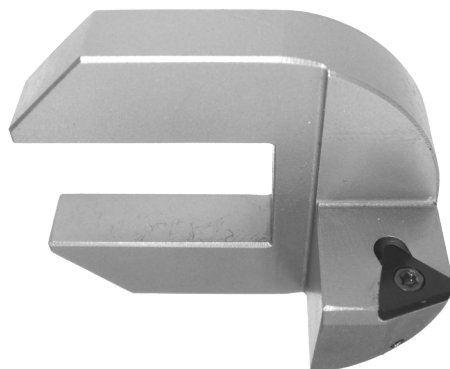


TH2004-00

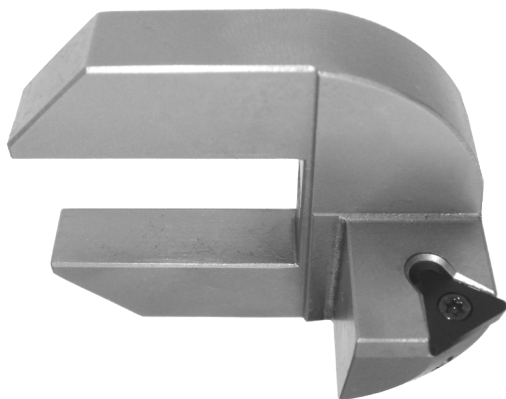
00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 2.280 - 3.150" (58 - 80mm)

**TH2004-20**

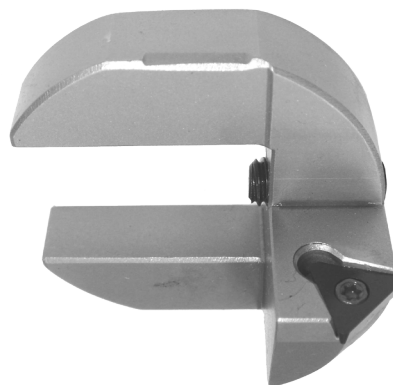
20 Degree Triangular Tip Holder For Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 2.280 - 3.150" (58 - 80mm)

**TH2004-30**

30 Degree Triangular Tip Holder For Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 2.280 - 3.150" (58 - 80mm)

**TH2004-45**

45 Degree Triangular Tip Holder For Valve Seat Angle Cutting. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 2.280 - 3.150" (58 - 80mm)

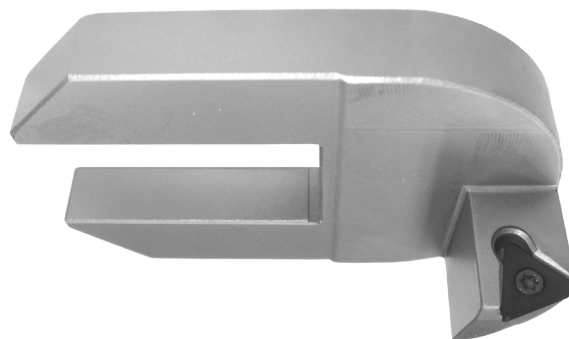


Insert Holder for Large Seat to be Used Only on BH375W-RI**TH2005-00**

00 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 3.071" - 4.724" (78mm - 120mm)

**TH2005-20**

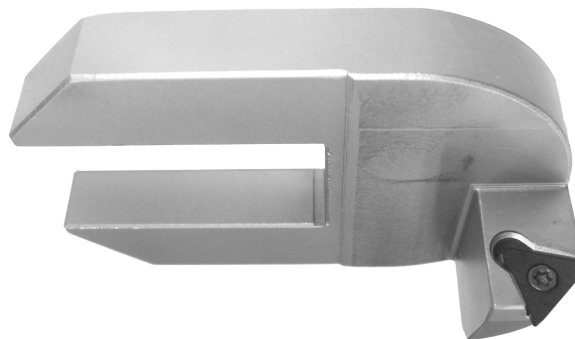
20 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 3.071" - 4.724" (78mm - 120mm)

**TH2005-30**

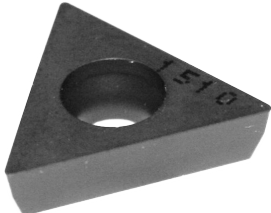
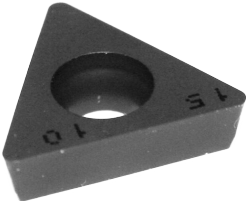
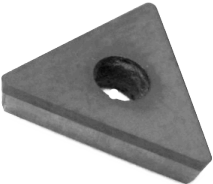
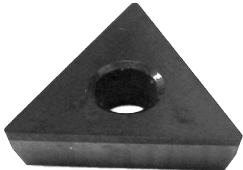
30 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 3.071" - 4.724" (78mm - 120mm)

**TH2005-45**

45 Degree Triangular Tip Holder For Valve Seat Installation Counterboring. Uses RT211 (1/4" I.C.) Triangular Insert. Requires BH375WR1 Self Aligning Tool holder. Range: 3.071" - 4.724" (78mm - 120mm)

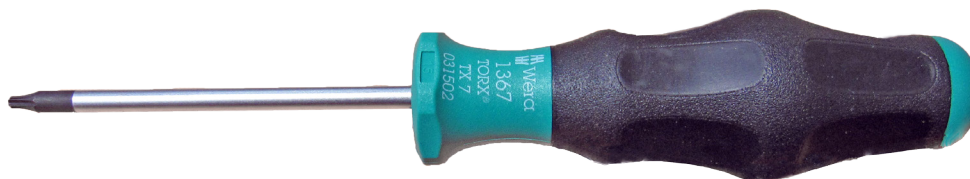


Triangular Inserts and T-7 Torx Driver for Insert Holders

RT211 Triangular Insert 1/4" (6.35mm) I.C., 1/64" radius FOR COUNTERBORING and SINGLE ANGLE INSERT HOLDERS 	RT212 Triangular Insert 1/4" (6.35mm) I.C., 1/32" radius FOR COUNTERBORING and SINGLE ANGLE INSERT HOLDERS 	RT321 Triangular Insert 3/8 1/64" (.397mm) Radius (3/8 triangle Insert holders only) FOR COUNTERBORING AND STRAIGHT ANGLE I FOR INSERT HOLDERS THAT USE TRIANGLE INSERT STYLE. 
RT322 Triangular Insert 3/8 1/32" (.397mm) Radius (3/8 triangle Insert holders only) FOR COUNTERBORING AND STRAIGHT ANGLE I FOR INSERT HOLDERS THAT USE TRIANGLE INSERT STYLE. 	RT211CBN CBN Insert, Triangle, 1/4" IC 1/64" Radius, Hard Valve Seats 	RT321CBN CBN Insert, Triangle, 3/8" IC 1/64" Radius, Hard Valve Seats 

T7D T7 Torx Driver

For RT-211 & RT-212 (1/4" I.C.) insert

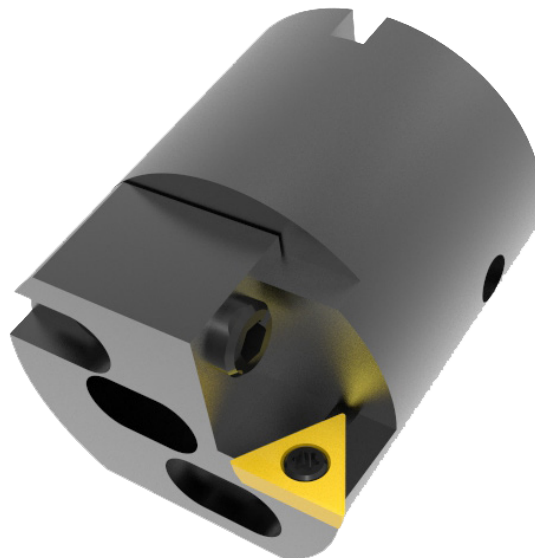


Pre-Settable Adjustable Diameter Valve Seat Housing Cutterheads

7630D Pre-settable Adjustable Diameter Valve Seat Housing Cutterhead

Range 2.08 - 2.68" (52.8 - 68.72mm) Designed for .375" (9.52mm) Shank Pilots.

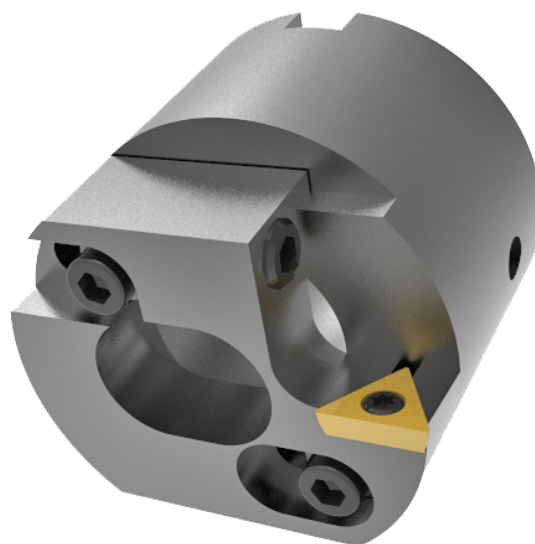
Note: Requires RS105 Driver and BM Micrometer



7630 Pre-Settable Adjustable Diameter Valve Seat Housing Cutterhead

Range 2.599 - 3.233" (66.015 - 82.118mm) Designed for 20mm Shank Pilots.

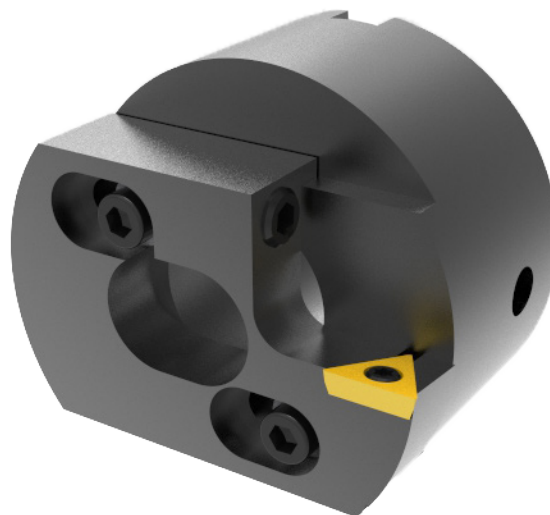
Note: Requires BD3175 Driver and BM20 Micrometer



7630G Pre-Settable Adjustable Diameter Valve Seat Housing Cutterhead

Range 3.180" - 3.790" (80.84 - 96.27mm) designed for 20mm Shank Pilots.

Note: Requires BD3175 Driver and BM20 Micrometer



Rottler R40 Taper Spindle Adapters

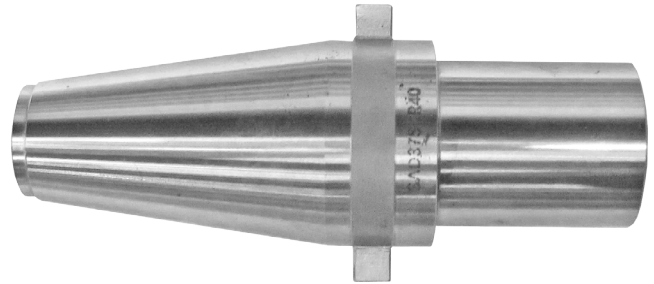
COLLETKITR40

Collet chuck set of 10 collets Including: (1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 3/4, 7/8, 1.00" Spring Collets) Collet Chuck Spindle Adapter with Collet Nut for Rottler R40 Spindle Taper and Spanner Wrench for Collet Chuck.



SAD375R40 Spindle Adapter

For Rottler R40 Spindle Taper for .375" (9.52mm) Shank Diameter Tools, reamers, drills, etc includes 2 locking set screws



SAD750R40 Spindle Adapter

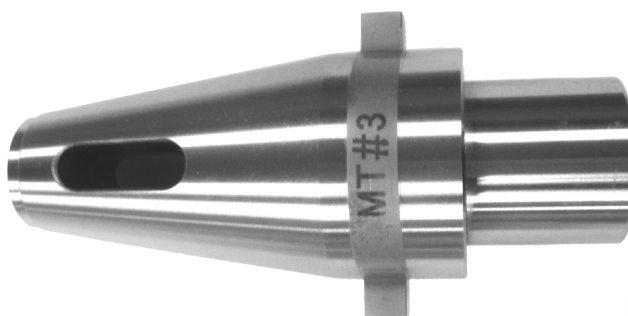
For Rottler R40 Spindle Taper for 3/4" (19.05mm) Shank Diameter Tools, reamers, drills, etc includes 2 locking set screws



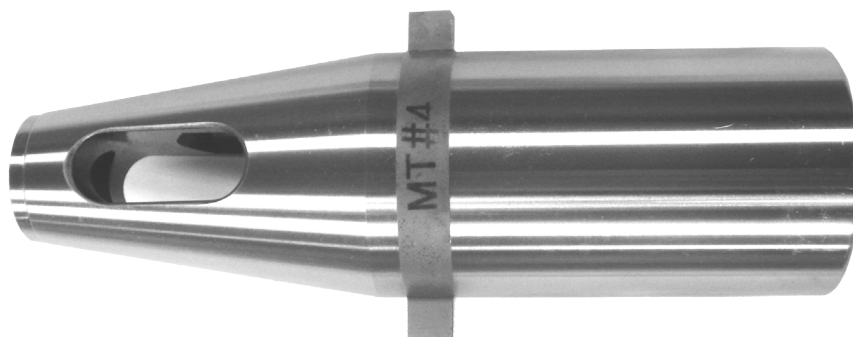
R40MT2 Adapter for Morse #2 to Rottler ISO 40 Spindle Taper



R40MT3 Adapter for Morse #3 to Rottler ISO 40 Spindle Taper



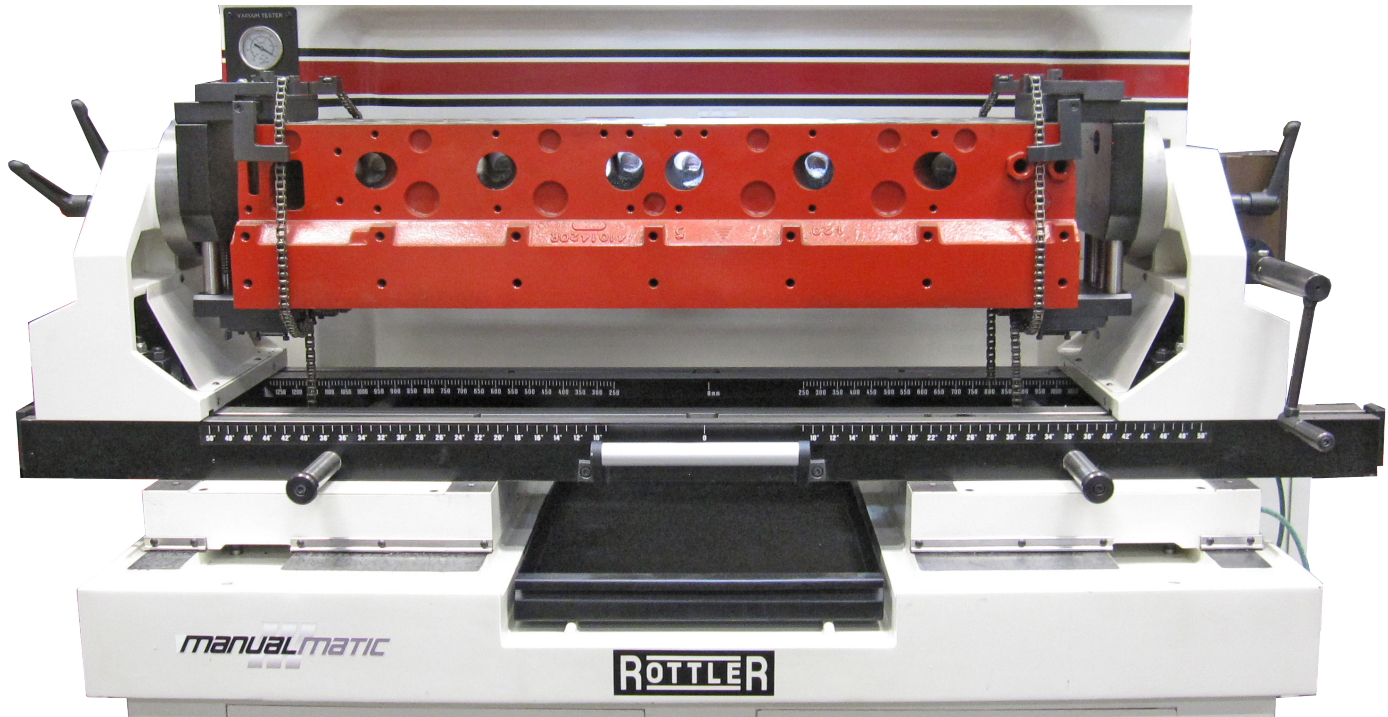
R40MT2EL2 Adaptor for Morse #2 to Rottler ISO 40 Spindle Taper (2" Extended Length)



Special Fixtures, Clamps and Parallels

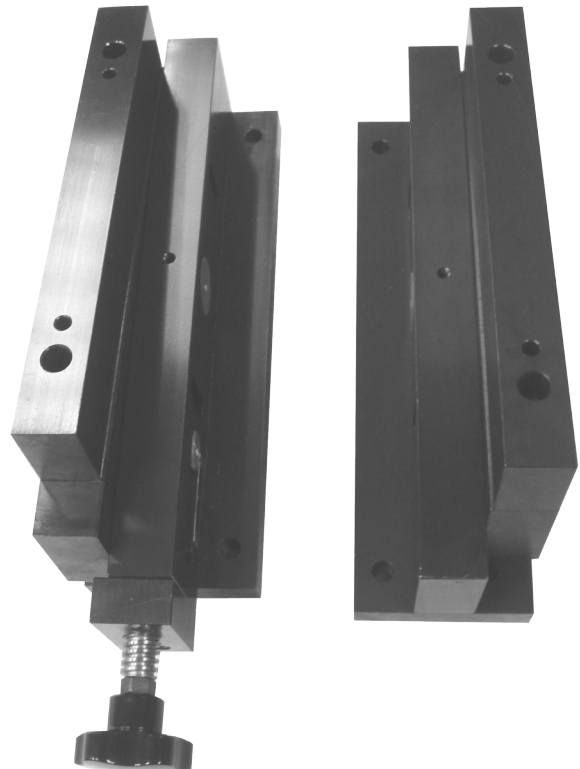
PER-FIX-MH-CAT3500

Pneumatic Upclamping Production Fixture for 4 CAT3500 Cylinder Heads including supports.



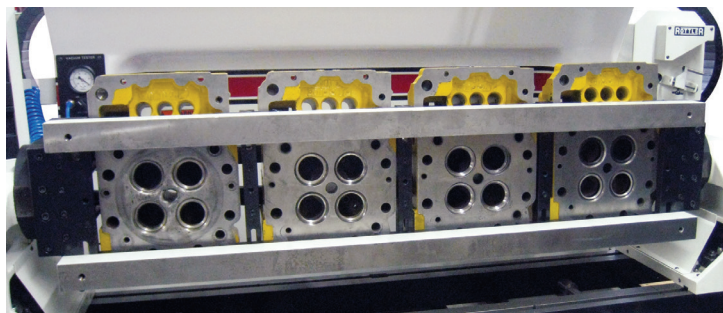
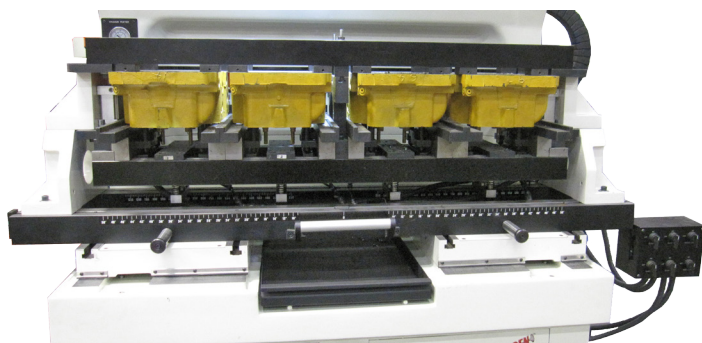
2DEGREE-TILT

Tilt Fixtures for large single cylinder head applications including adjustable base plate, Set of two 1-7/8" and 4" parallels; requires one set of Clamp Towers (7242N)



MULTIHEADFIX

Multi Cylinder Head Fixture. Holds up to four CAT3500 and five Jenbacher Heads, requires standard Roll Over Fixture

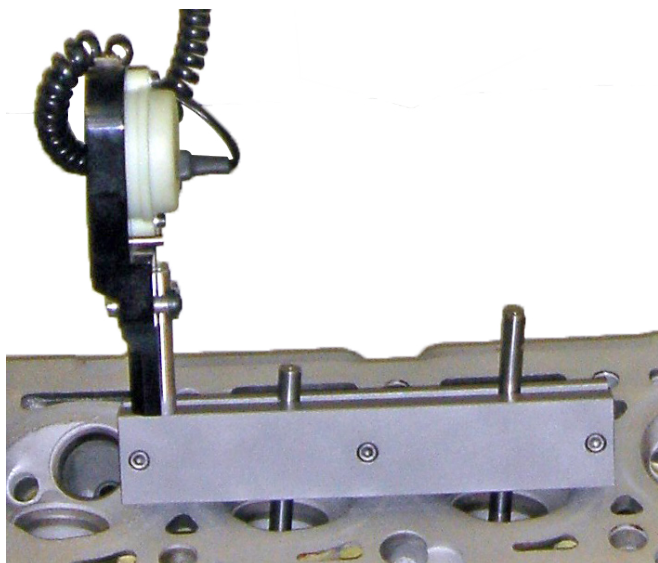


7242N Clamp Tower Assembly
Complete with Lower Base Plates



CANTEDFIX

Canted Fixture for leveling Canted cylinder heads on any fixed pilot Seat and Guide Machine



Suggested Basic Tooling

T7D

T7 Torx driver for 1/4" insert (straight angle insert holders only)

**T8D**

T8 Torx Tip Holding Screw Driver

**T15D**

T15 Torx Tip Holding Screw Driver

**PRW20**

Pilot removable wrench for 20.00mm shack Pilots only

**PRW375**

Pilot Removal Wrench for .375" pilot shank.



ALLEN-KEYS-IN

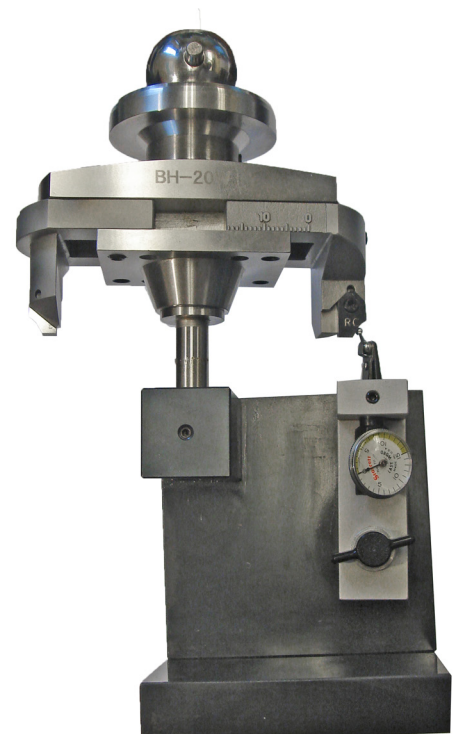
INCH Ball end hex Allen Key Set Drivers From: 1/16 - 3/8"

**ALLEN-KEYS-MM**

METRIC Ball end hex Allen Key Set

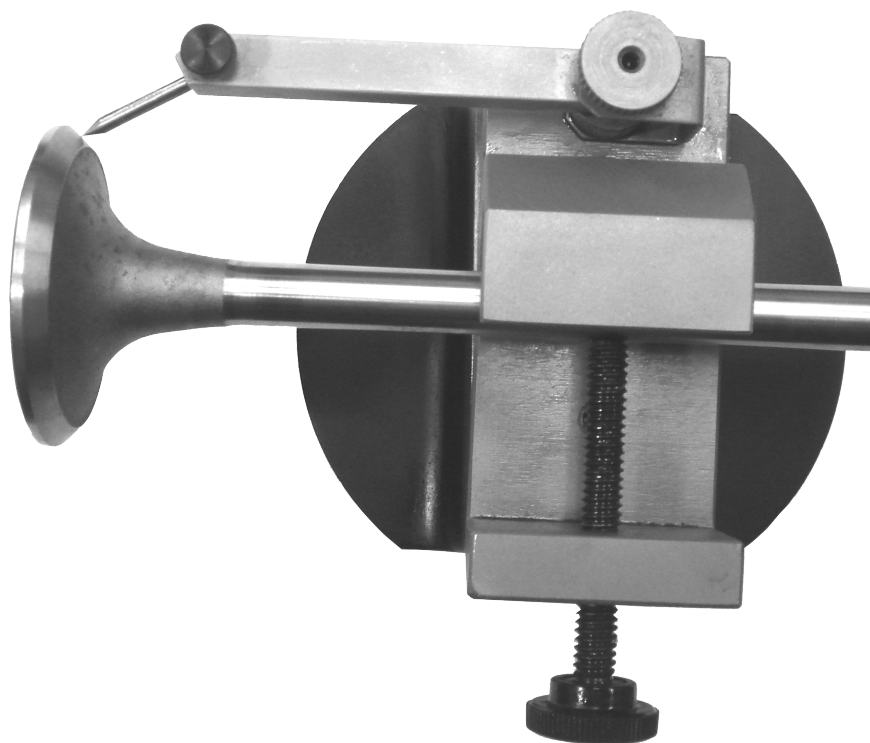
**Micrometers Setting Fixtures and Measurement Tools****CALFIXT20**

Calibration fixture for dual Insert RCC Style on 20mm shank holders Including 502-9-9A Indicator (.001" Resolution)



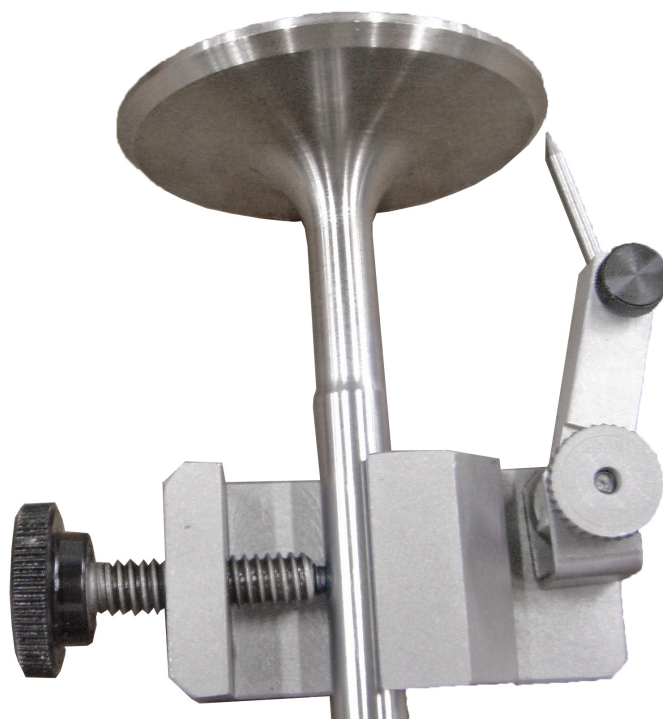
DSP20

Table mount tool setting device with Interchangeable Point for 20.00mm Shank pilots



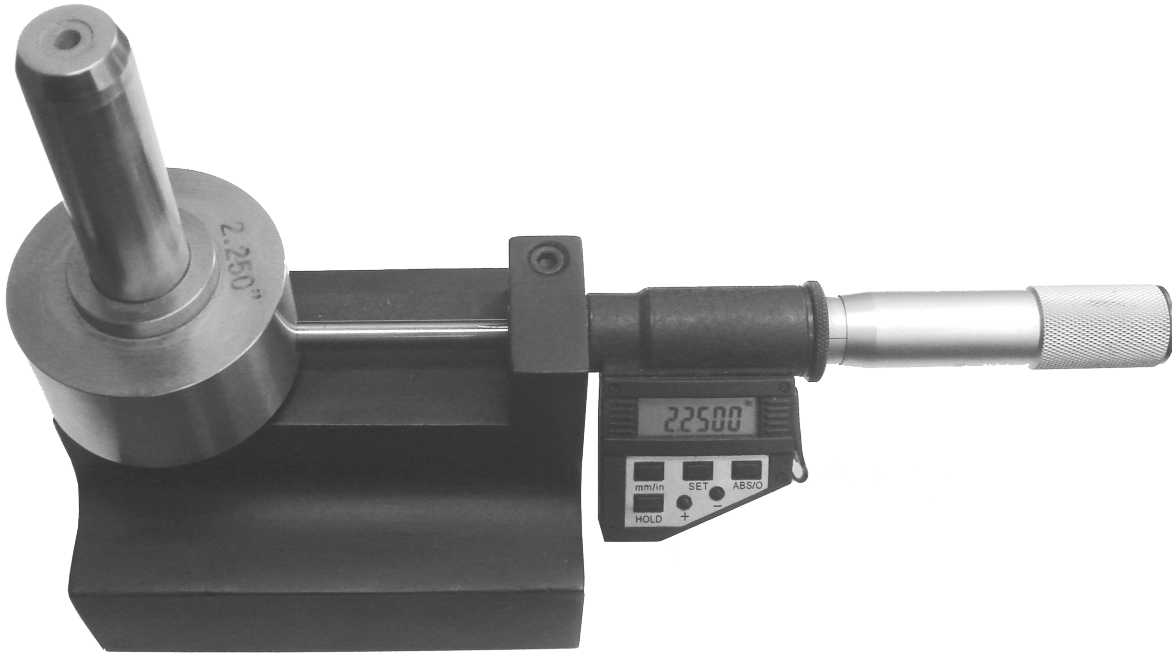
DSP

Tool setting Device with Interchangeable Point



BM20

Counterboring Micrometer Assembly with Digital Reading inch and metric (2.200 - 5.400") For 20mm shank diameter tooling, including Setting Standard

**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

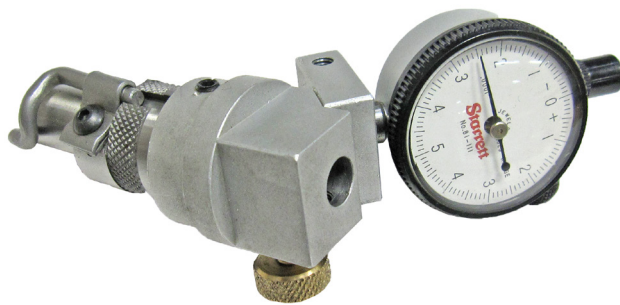
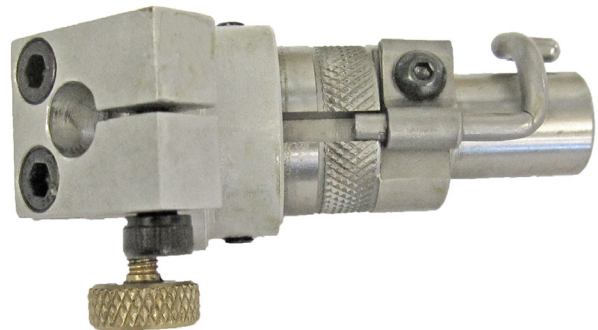


6-1SETTINGFIX

Six in 1 measuring Fixture (Pilot OD, Valve Stem OD, Set diameter On profile inserts, Setting 90 degree counterboring inserts, Set adjustable milling head cutters, Check alignment on valve stem and check roundness on valve stems.

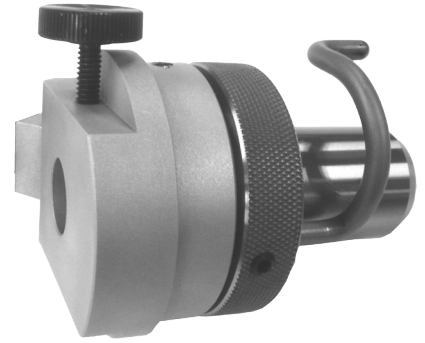
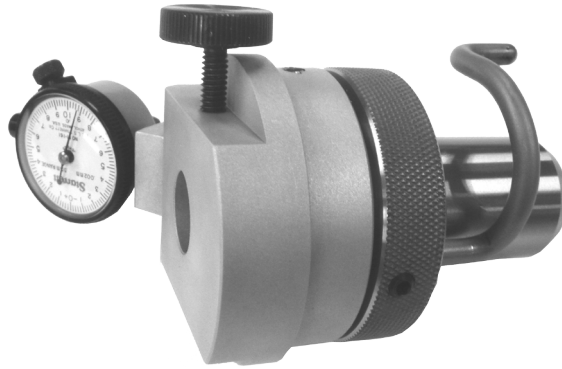
**VSG102-375**

Precision Valve Seat Concentricity Gage Base Only for .375" Pilot Shank (Must Order dial indicator .0001" or .002mm Metric indicator)



VSG2000

Precision Valve Seat Concentricity Gage Base Only for 20.00mm Pilot Shank
Range 2.362 - 5.905" (60.00 - 150.00mm) Must Order dial indicator .0001" or
.002mm Metric indicator



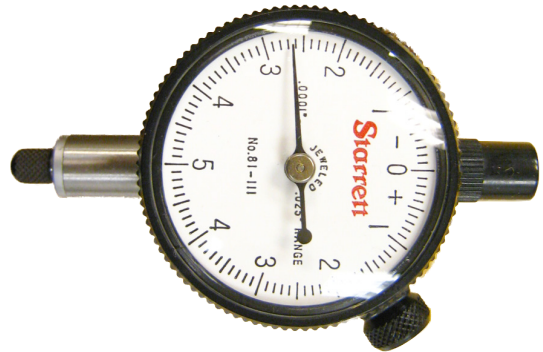
502-11-39L

Mechanical run out indicator for Precision bore adjustment
(.002mm resolution) METRIC



502-11-39D

Mechanical run out indicator for Precision bore adjustment
(.0001 resolution) INCH



CUTTING INSERTS

NOTE: For Recommended Inserts, see Inserts and Profile Catalog

Select the correct Insert profile to match the original factory valve seat shape. The relief angle and the seating surface width and angle must match.

All specifications can be obtained from the original manufacturer's manual.

Select the proper Insert base on the application RCA insert profiles are design for regular three angle seat profiles, make sure the that top angle will not go over the seat insert,

RCB inserts Profiles are design for a multiple angles and radius and is recommended for High performance profiles.

Cutting Insert Sharpener for Multi Angle Inserts

BWSDH20 Heavy Duty Diamond Wheel Insert Sharpener

With each honing brush for 20.00mm and 9.52mm Shank Tooling



BWS02 Diamond Wheel Cutting Bit Sharpener - Single Wheel



Rottler Profile Cutter Inserts

RCAXXX Carbide Cutting Bits RC multi-angle A Blank (Standard Profile)

RCBXXX Carbide Cutting Bits RC multi-angle B Blank (standard Profile)

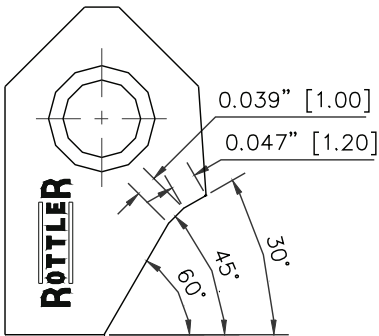
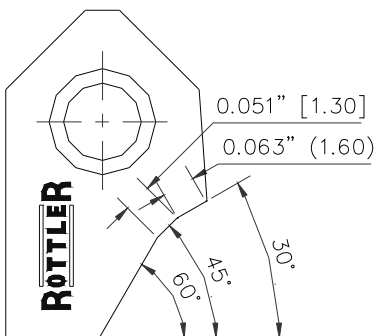
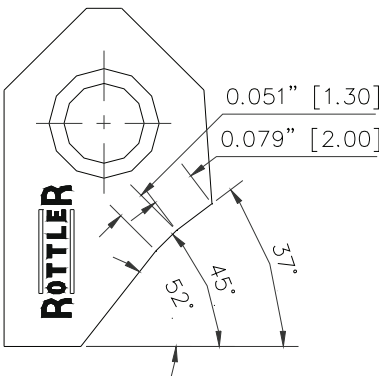
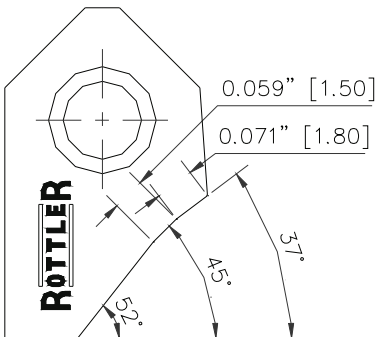
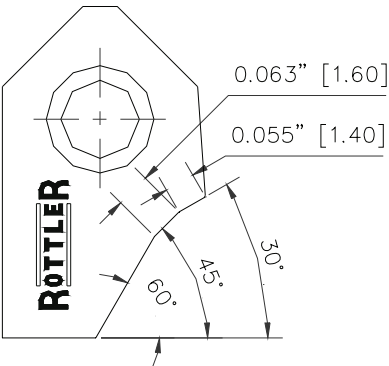
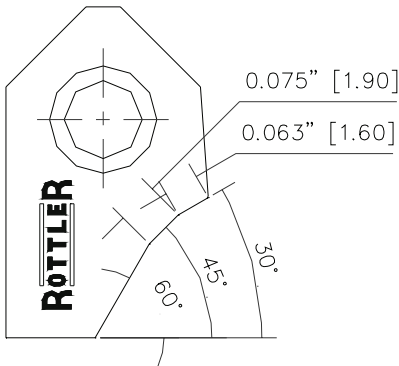
RCCXXX Carbide Cutting Bits RCC Single Angle C Blank (Standard Profile) for T15 Screw (for large tooling only)

NOTE: See Carbide inserts spreadsheet for list of additional inserts RCAXXX reference. (Large tooling will take RCCXXX insert type only)

Automotive Import, Domestic and Diesel Inserts

Suggested 45 Degree Seat Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCA001 Carbide Seat Insert 30-45-60 / 1.2 -1.0mm RCA-001 (14 RC BIT KIT) 	RCA004 Carbide Seat Insert 30-45-60 / 1.6 -1.3mm RCA-004 (14 RC BIT KIT) 	RCA005 Carbide Seat Insert 37-45-52 / 2.0 -1.3mm RCA-005 (14 RC BIT KIT) 
RCA007 Carbide Seat Insert 37-45-52 / 1.8 -1.5mm RCA-007 (14 RC BIT KIT) 	RCA014 Carbide Seat Insert 30-45-60 / 1.4 -1.6mm RCA-014 (14 RC BIT KIT) 	RCA026 Carbide Seat Insert 30-45-60 / 1.6 -1.9mm RCA-026 (14 RC BIT KIT) 

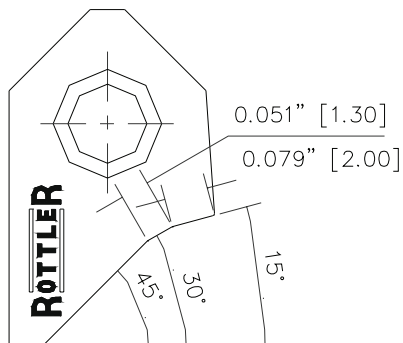
Suggested 30 Degree Seat Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCA301 Carbide Seat Insert

5-30-45 / 2.0 -1.3mm

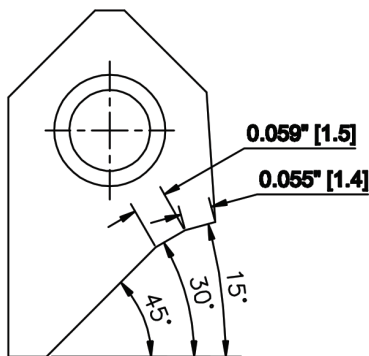
RCA-301 (14 RC BIT KIT)



RCA303 Carbide Seat Insert

15-30-45 / 1.4 -1.5mm

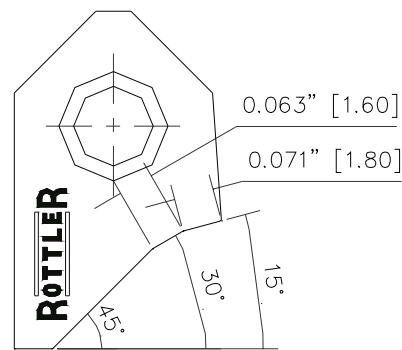
RCA 303



RCA307 Carbide Seat Insert

15-30-45 / 1.8 -1.6mm

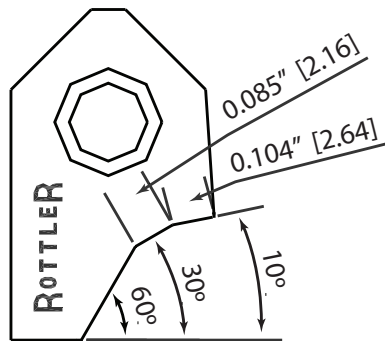
RCA-307 (14 RC BIT KIT)



RCA348 Carbide Seat Insert

10-30-60 top width 2.2mm, seat width 1.8mm OFFSET Insert (For Detroit 53 Series Cylinder Head)

RCA 348



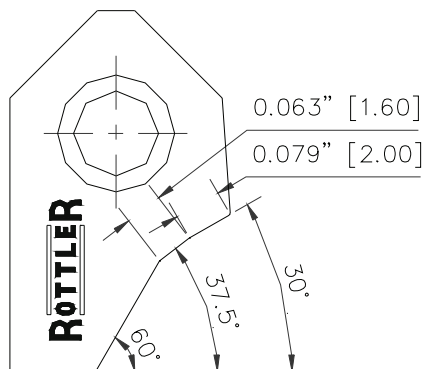
Suggested 37.5 Degree Seat Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCA401 Carbide Seat Insert

30- 37.5 -60 / 2.0 -1.6mm

RCA-401 (14 RC BIT KIT)



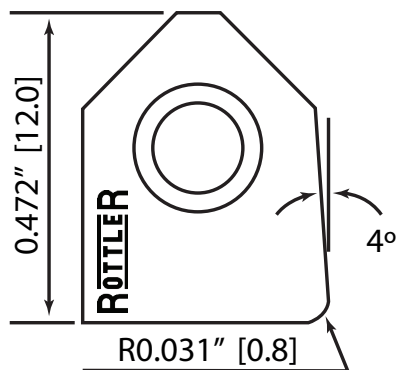
Suggested Straight Angle Seat Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCA511 Carbide Seat Insert

90 degree R 0.8 / 12mm (SHORT PROFILE for counterboring)

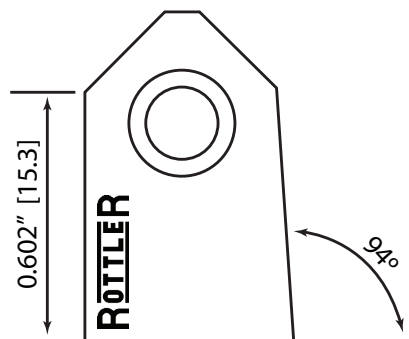
RCA 511



RCA512 Carbide Seat Insert

90 degree R 0.8 / 15.3mm (for counterboring)

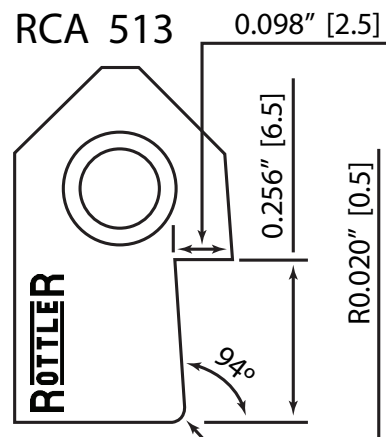
RCA 512



RCA513 Carbide Seat Insert

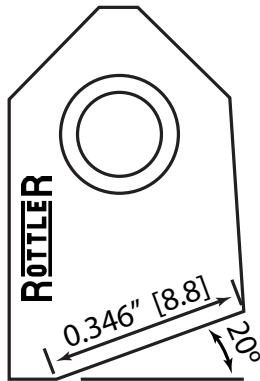
90-R0.5 / 2.5-6.5 (OFFSET FOR COUNTERBORING SMALL SEATS)

RCA 513



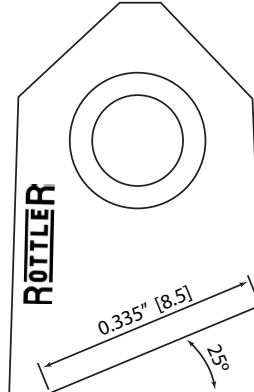
RCA501 Carbide Seat Insert
20 degrees / 8.8mm

RCA 501



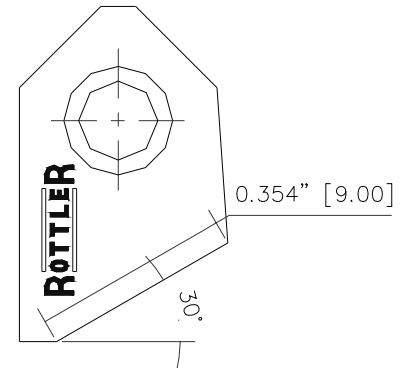
RCA521 Carbide Seat Insert
25 degrees / 8.5mm

RCA 521



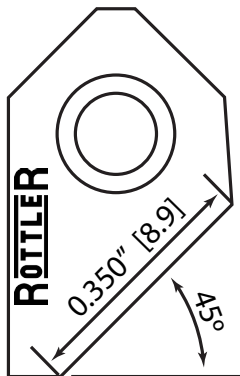
RCA502 Carbide Seat Insert
30 degrees / 9.0mm

RCA-502 (14 RC BIT KIT)



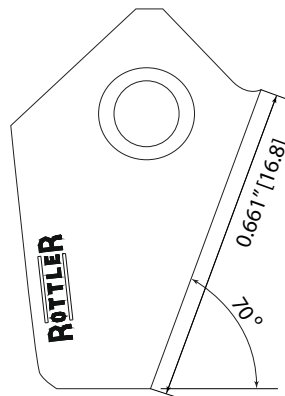
RCA503 Carbide Seat Insert
45 degrees / 8.9mm

RCA 503



RCB506 Carbide Seat Insert
70 degrees / 16.8mm

RCB 506



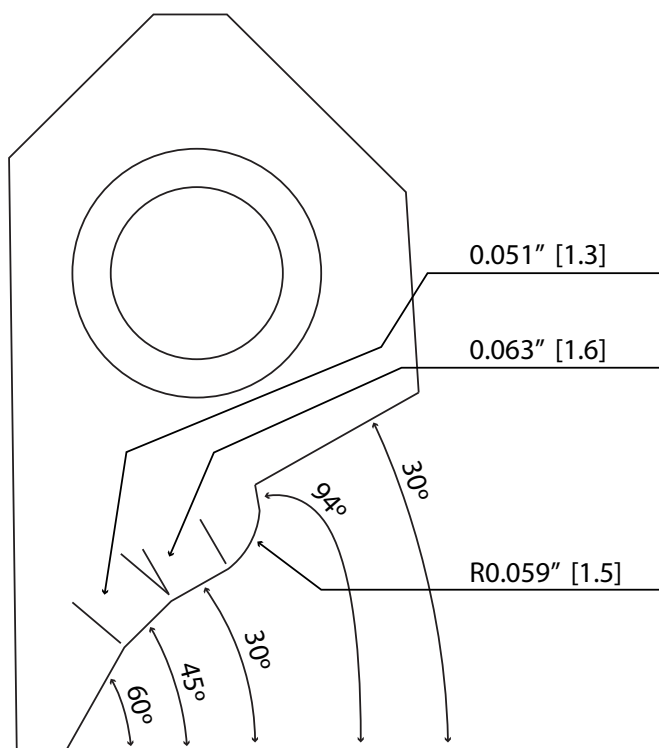
Suggested 45 Degree Seat Inserts for Multi-Valves Cylinder Heads

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCA632 Carbide Seat Insert

30-94-R1.5-30-45-60 / 1.6-1.3mm

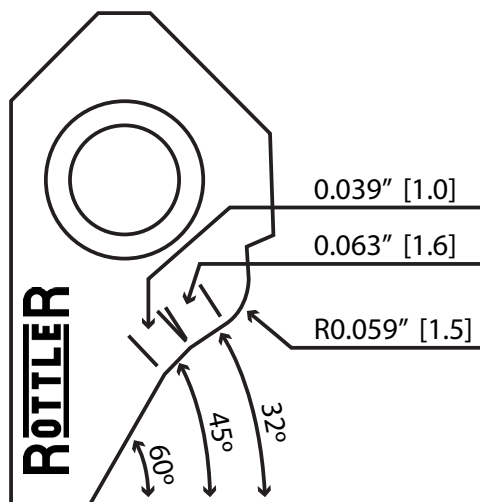
RCA 632



RCA637 Carbide Seat Insert

R1.5-32-45-60 / 1.6-1.0-1.0mm

RCA 637



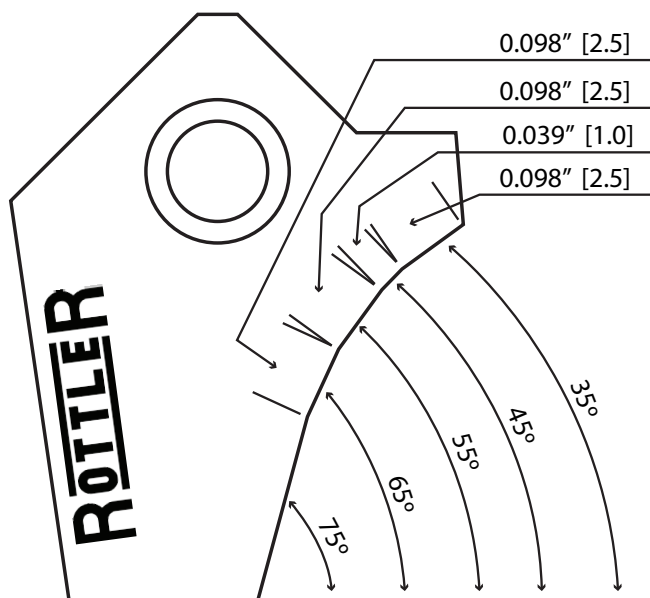
High Performance Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

RCB605 Carbide Seat Insert

35-45-55-65-75 / 2.5-1.0-2.5-2.5mm

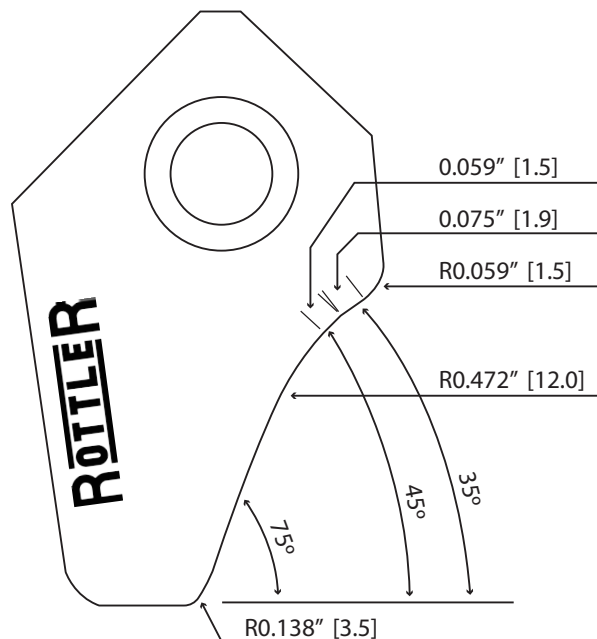
RCB 605



RCB607 Carbide Seat Insert

R1.5-35-45-R12-75-R3.5 / 1.9-1.5-1.5-3.0mm

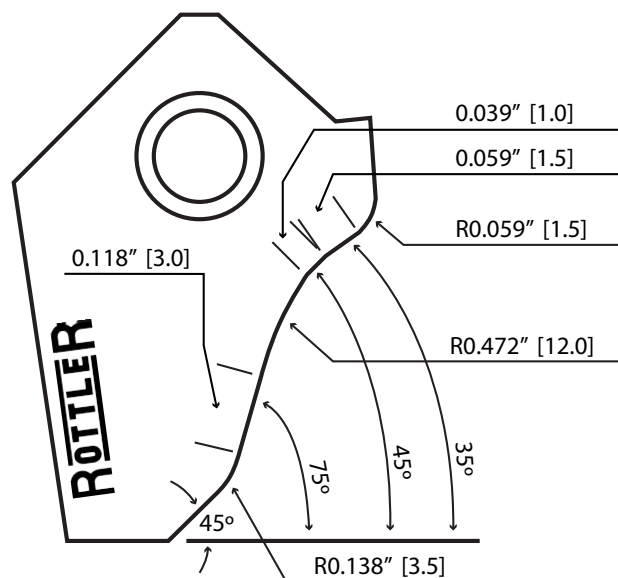
RCB 607



RCB608 Carbide Seat Insert

R1.5-35-45-R12-75-R3.5-45 / 1.9-1.5-1.0-3.0mm

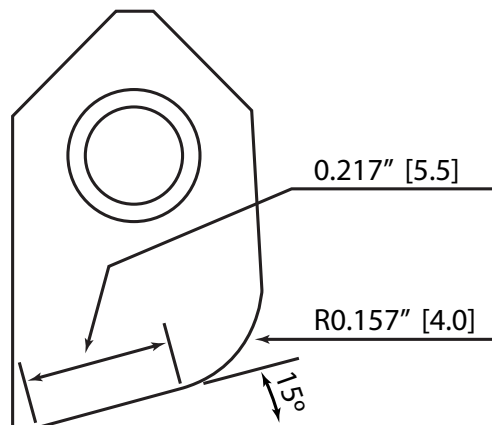
RCB 608



RCA614 Carbide Seat Insert

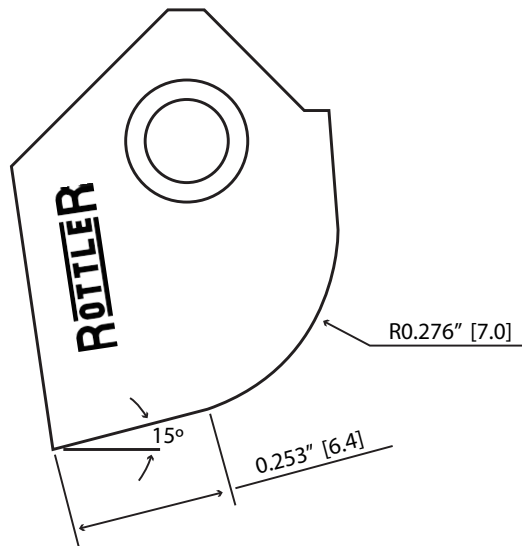
R4 -15 / 5.52mm

RCA 614



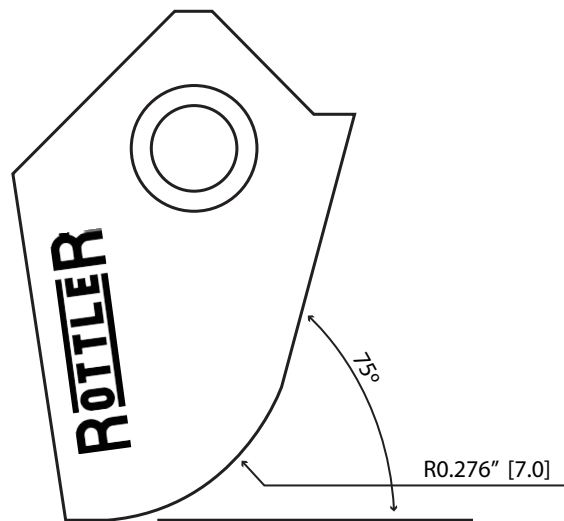
RCB620 Carbide Seat Insert
R7 -15

RCB 620



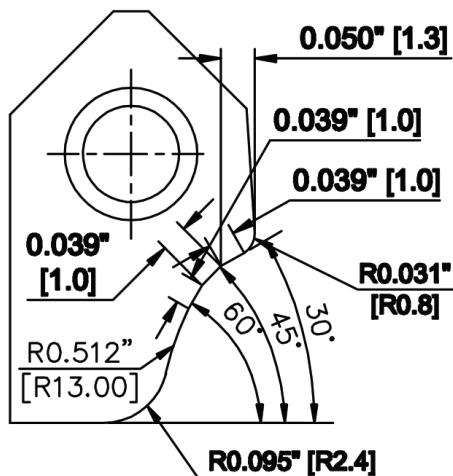
RCB621 Carbide Seat Insert
75 - R7 / 12.0mm

RCB 621



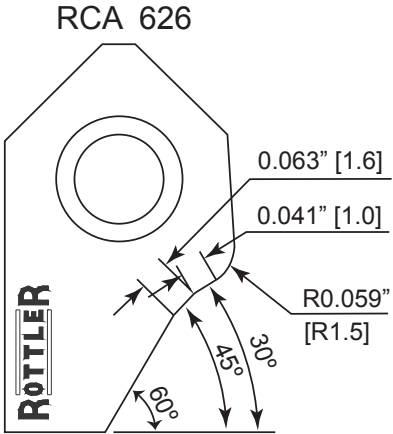
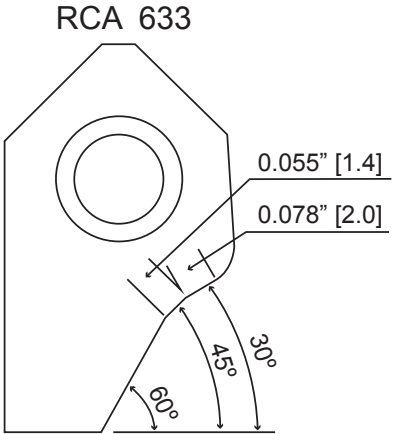
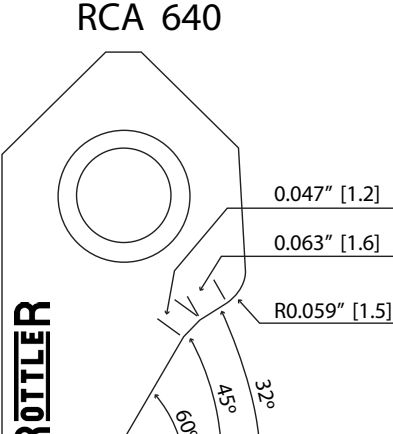
RCA623 Carbide Seat Insert
R0.8-30-45-60-R13-R1.5 / 1.0-1.0mm

RCA 623

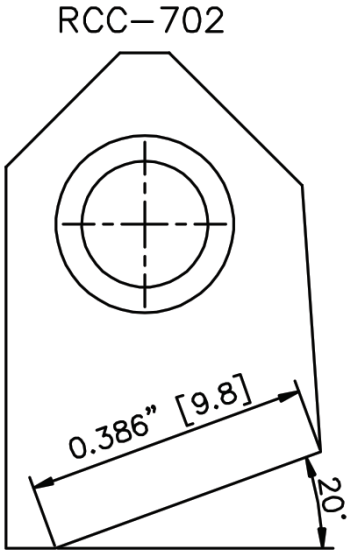
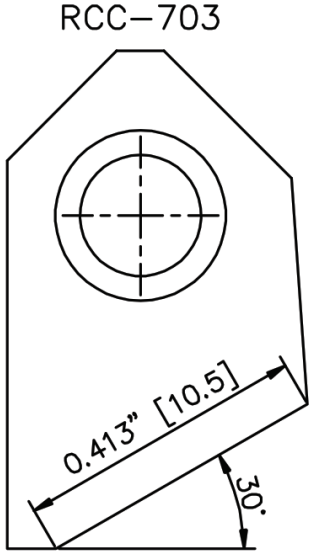
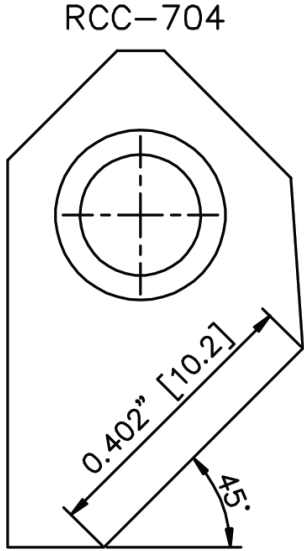


Harley Davidson Inserts

NOTE: Orders of 20+ of the same RCA insert receive 10% discount. Orders of 50+ of the same RCA insert receive 20% discount. Does not apply to mix-and-match orders.

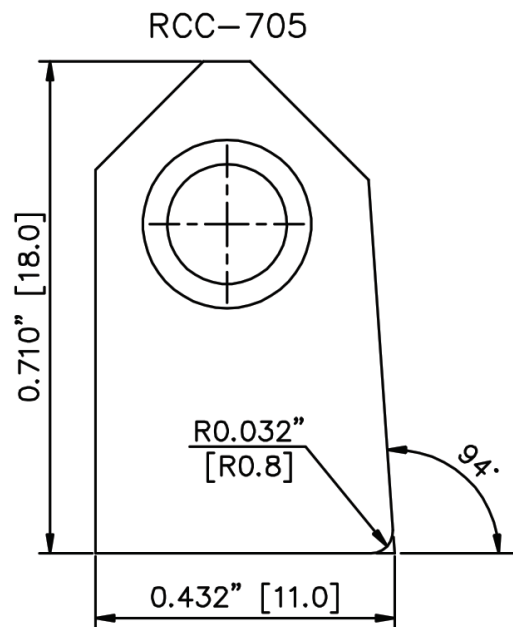
RCA626 Carbide Seat Insert R1.5-30-45-60 / 1.6-1.0mm 	RCA633 Carbide Seat Insert 30-45-60 / 2.0 -1.4mm 	RCA640 Carbide Seat Insert R1.5-32-45-60 / 1.6-1.2mm 
--	--	--

Suggested Standard Carbide RCC Type Inserts for Large Seats Single Angle

RCC702 Carbide Seat Insert 20 degrees Heavy Duty C Style insert for T15 Torx Screw 	RCC703 Carbide Seat Insert 30 degrees Heavy Duty C Style insert for T15 Torx Screw 	RCC704 Carbide Seat Insert 45 degrees Heavy Duty C Style insert for T15 Torx Screw 
--	--	--

RCC705 Carbide Seat Insert

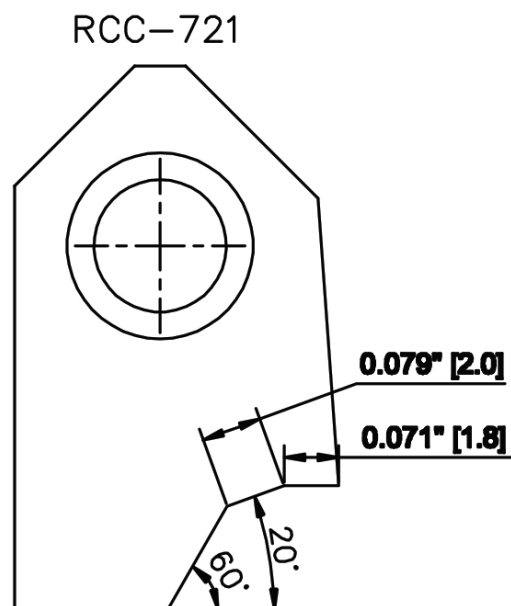
94 degrees R 0.8 / 18mm Heavy Duty C Style insert
for T15 Torx Screw For counterboring.



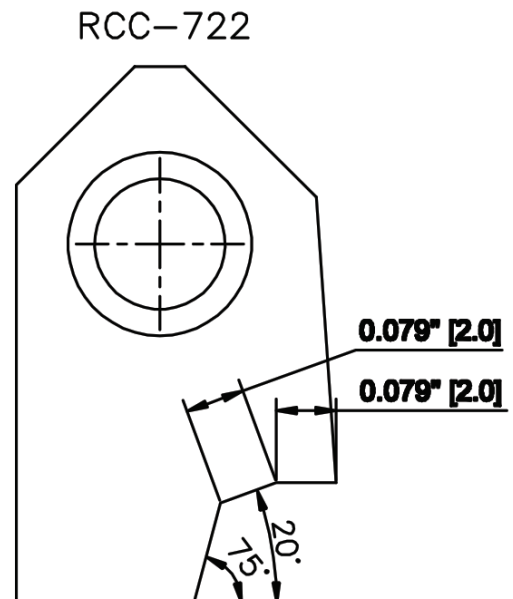
Suggested Standard Carbide RCC Type Inserts for Large Seats

RCC721 C Blank Carbide Seat Insert

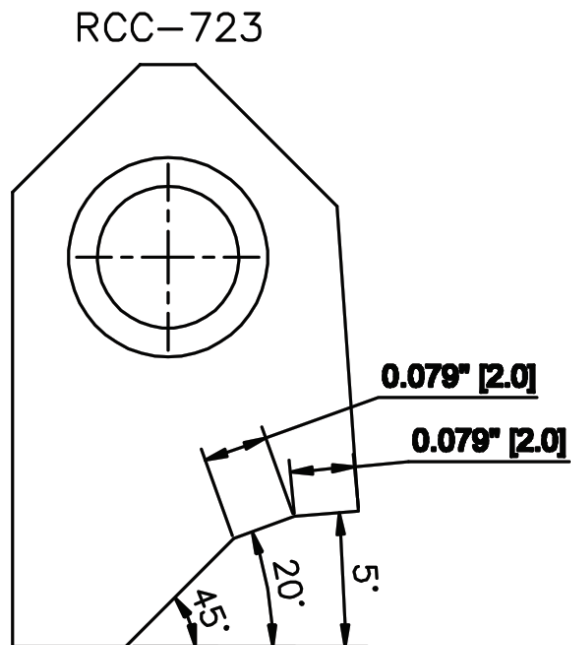
T15 Locking screw 0-20-60 / 1.8-2.0

**RCC722 C Blank Carbide Seat Insert T15**

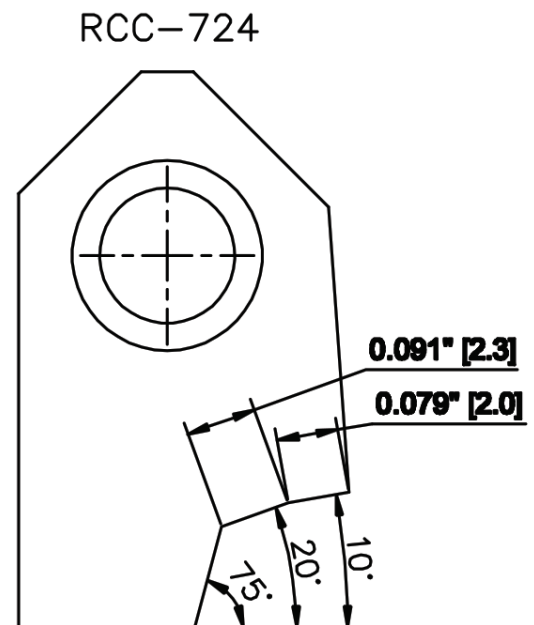
Locking screw 0-20-75 / 2.0-2.0



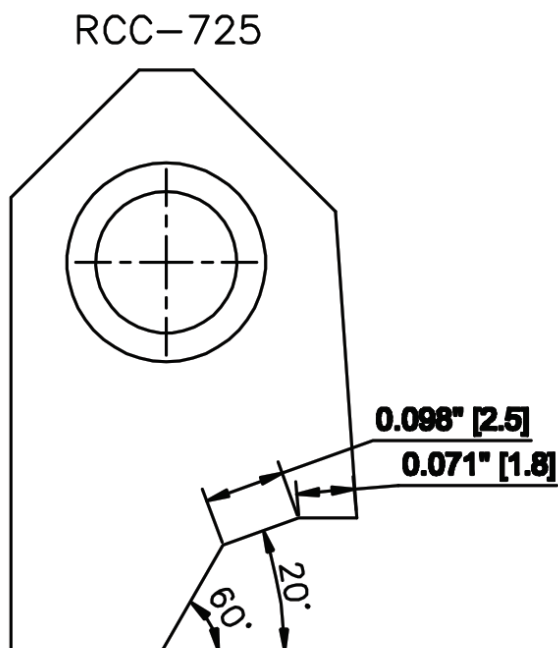
RCC723 C Blank Carbide Seat Insert
T15 Locking screw 5-20-45 / 2.0-2.0



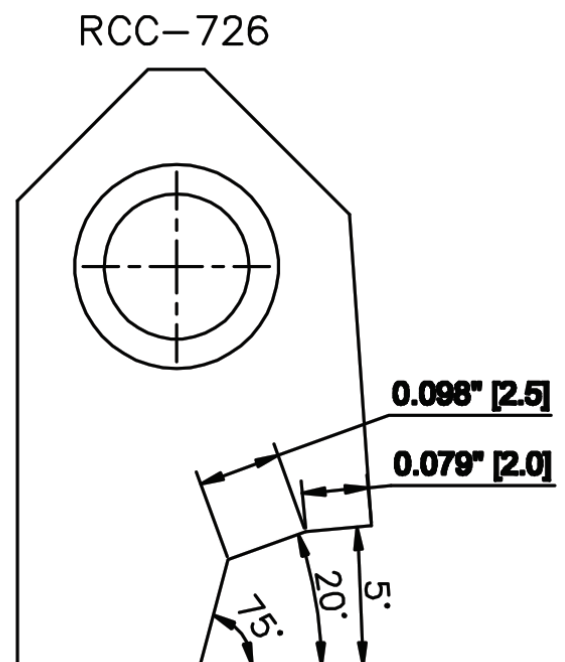
RCC724 C Blank Carbide Seat Insert
T15 Locking screw 10-20-75 / 2.0-2.3



RCC725 C Blank Carbide Seat Insert
T15 Locking screw 0-20-60 / 1.8-2.5

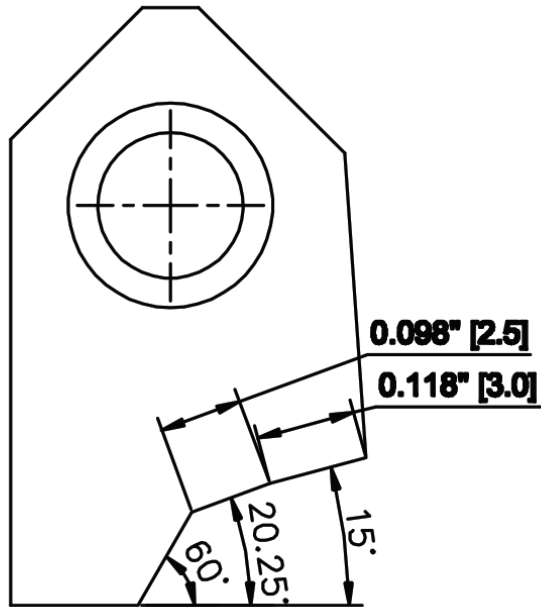


RCC726 C Blank Carbide Seat Insert
T15 Locking screw 5-20-75 / 2.0-2.5



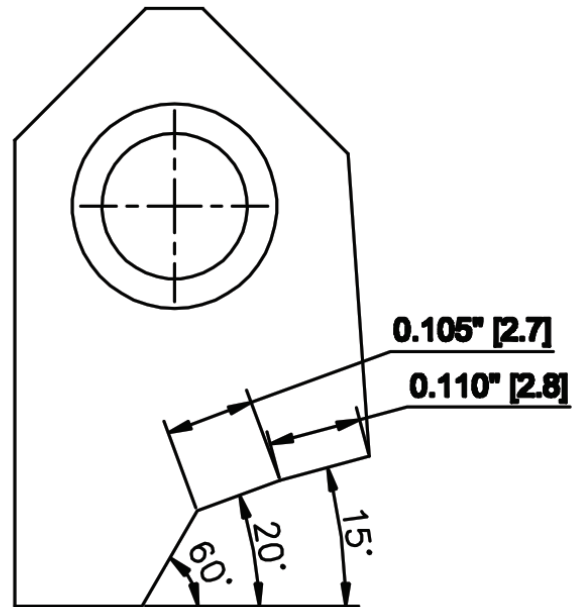
RCC727 C Blank Carbide Seat Insert
T15 Locking screw 15-20.25-60 / 3.0-2.5

RCC-727



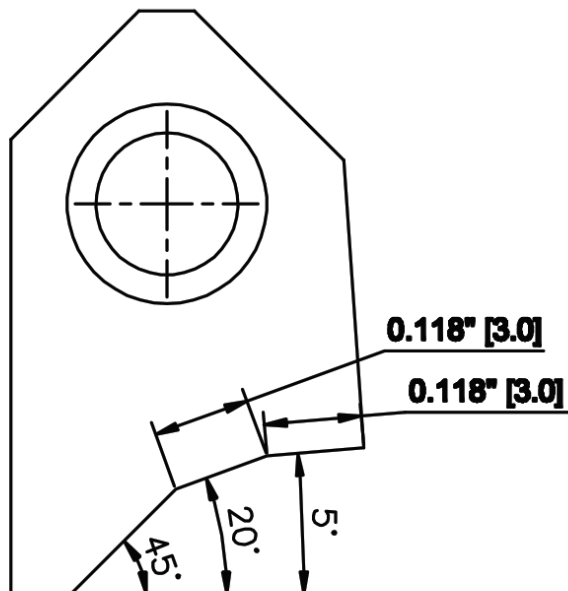
RCC728 C Blank Carbide Seat Insert
T15 Locking screw 15-20-60 / 2.8-2.66

RCC-728



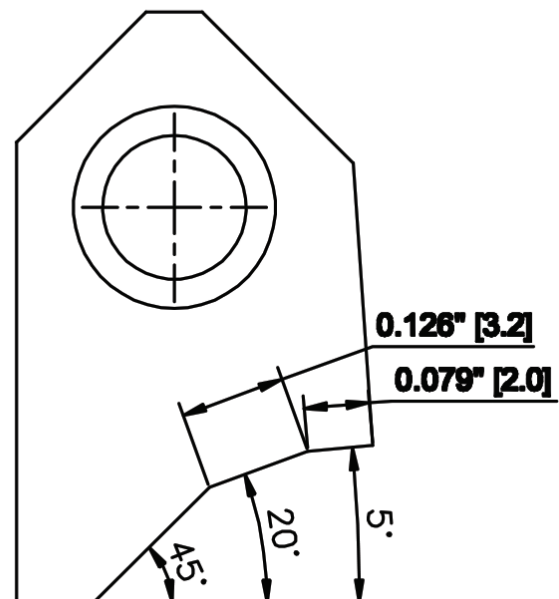
RCC729 C Blank Carbide Seat Insert
T15 Locking screw 5-20-45 / 3.0-3.0

RCC-729

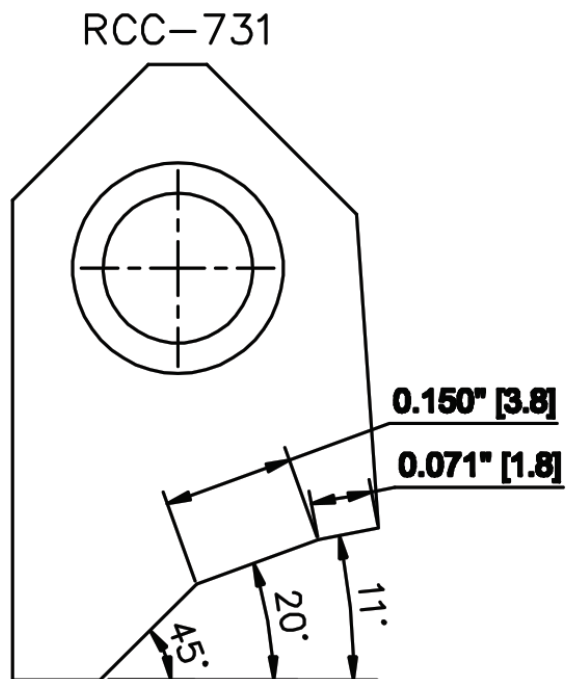


RCC730 C Blank Carbide Seat Insert
T15 Locking screw 5-20-45 / 2.0-3.2

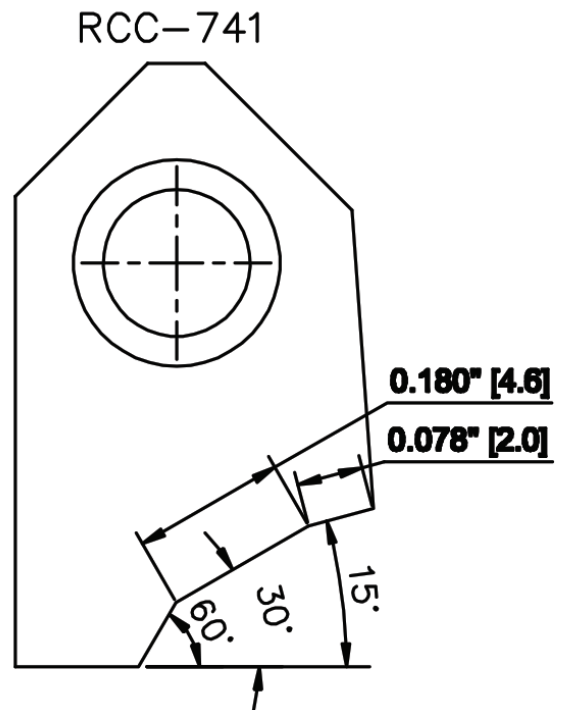
RCC-730



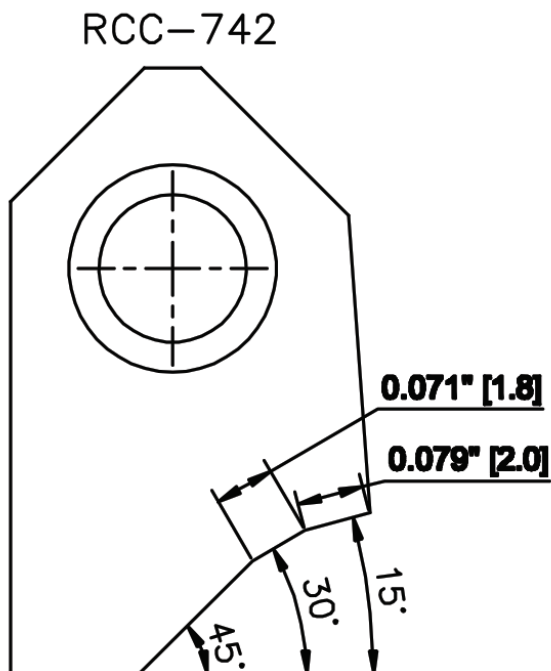
RCC731 C Blank Carbide Seat Insert
T15 Locking screw 11-20-45 / 1.8-3.8



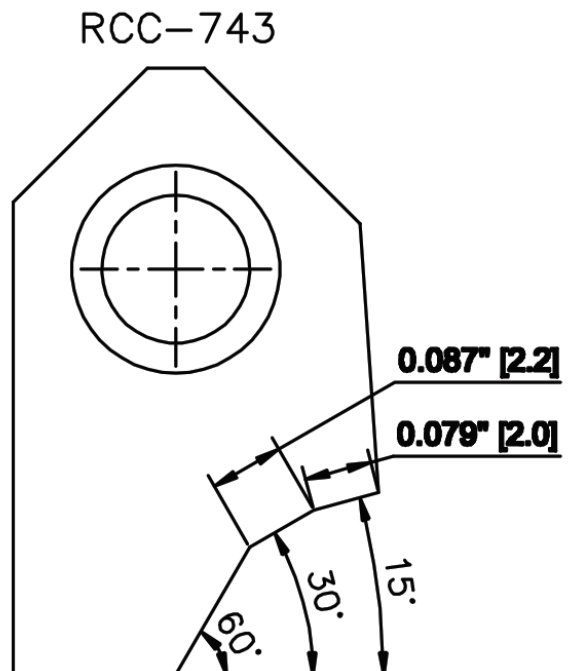
RCC741 C Blank Carbide Seat Insert
T15 Locking screw 15-30-60 / 2.0-4.6



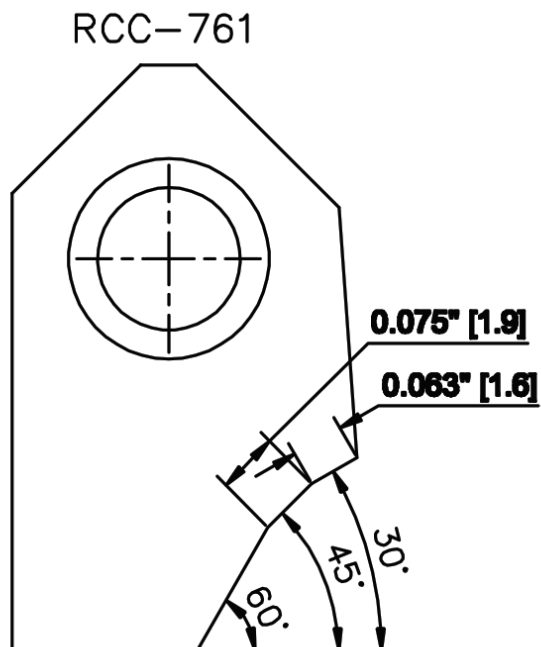
RCC742 C Blank Carbide Seat Insert
T15 Locking screw 15-30-45 / 2.0-1.8



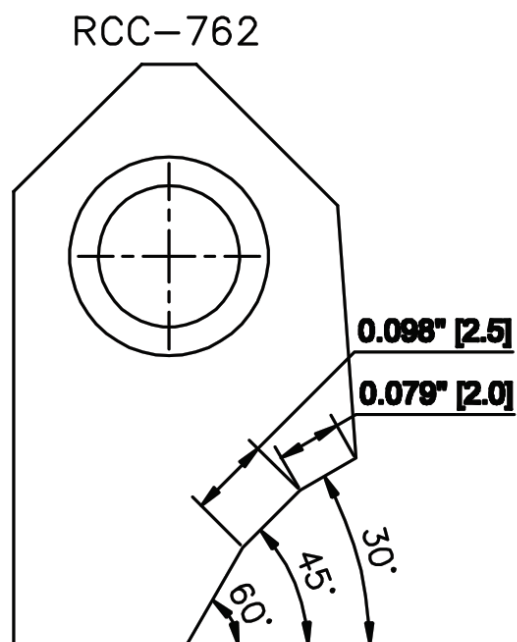
RCC743 C Blank Carbide Seat Insert
T15 Locking screw 15-30-15 / 2.0-2.2



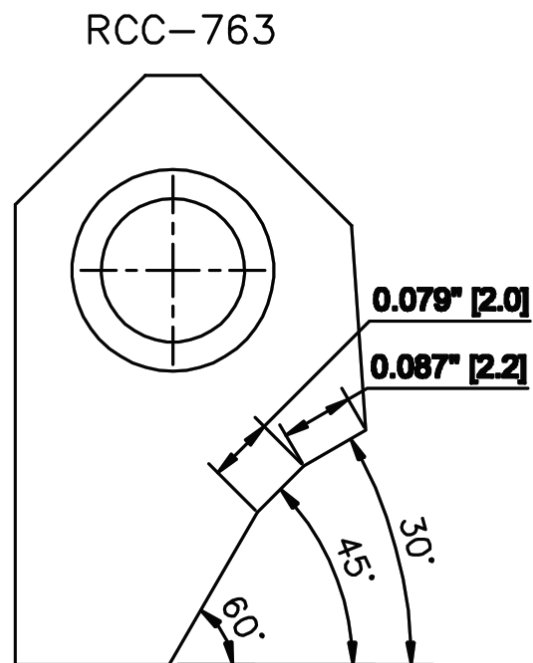
RCC761 C Blank Carbide Seat Insert
T15 Locking screw 30-45-60 / 1.6-1.9



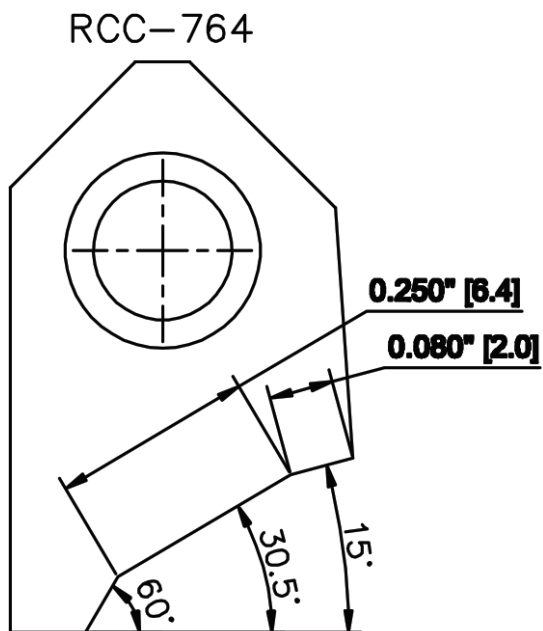
RCC762 C Blank Carbide Seat Insert
T15 Locking screw 30-45-60 / 2.0-2.5



RCC763 C Blank Carbide Seat Insert
T15 Locking screw 30-45-60 / 2.2-2.0



RCC764 C Blank Carbide Seat Insert
T15 Locking screw 15-30.50-60 / 2.0-6.4mm (.080"- .250")
White Superior

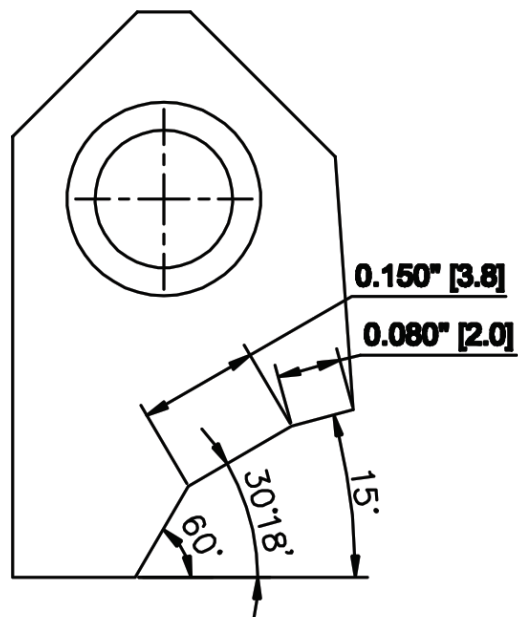


RCC765 C Blank Carbide Seat Insert

T15 Locking screw 15-30.18-60 / 2.0-3.8mm (.080"-.150")

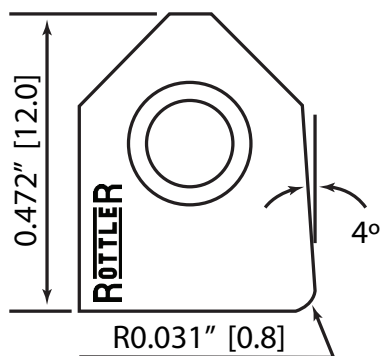
Waukesha

RCC-765

**90 Degree Insert for Counterboring****RCA511 Carbide Seat Insert**

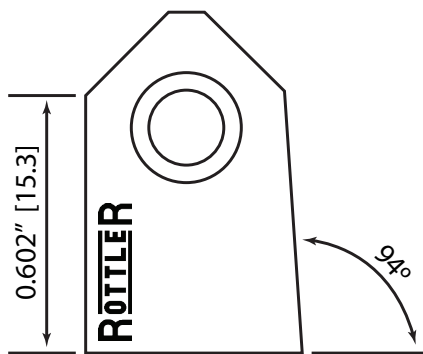
90 degree R 0.8 / 12mm (SHORT PROFILE)

RCA 511

**RCA512 Carbide Seat Insert**

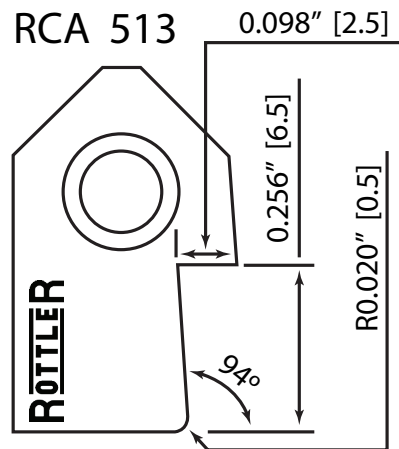
90 degree R 0.8 / 15.3mm

RCA 512

**RCA513 Carbide Seat Insert**

90-R0.5 / 2.5-6.5 (OFFSET FOR COUNTERBORING SMALL SEATS)

RCA 513



Rottler Special Profile Cutter Inserts Policy

Special Profile Cutter Inserts can be manufactured to your exact specifications and can include a combination of angles and radius blends. Special Profile Carbide Cutter Bits are generally considered to be "Customer Proprietary". These are uniquely numbered, exclusively for the ordering customer.

Drawing Fee	There is a one-time drawing fee per each Special Profile Cutter Insert (A or B)
RCSXXX	On orders of 1-9 A or B Blank Special Profile after drawing fee charge
RCSXXX	On orders of 10+ A Blank Special Profile after drawing fee charge
RCSXXX	On orders of 10+ B Blank Special Profile after drawing fee charge

Miscellaneous Tooling

COLLETKITR40

Collet chuck set of 10 collets Including: (1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 3/4, 7/8, 1.00" Spring Collets) Collet Chuck Spindle Adapter with Collet Nut for Rottler R40 Spindle Taper and Spanner Wrench for Collet Chuck.



ER40-250

1/4" (6.35mm) ER40 Spring Collets
From .236 - .275" (5.99 - 6.98mm)

**ER40-312**

5/16" (7.92mm) ER40 Spring Collets
From .275 - .314" (6.98 - 7.98mm)

**ER40-343**

11/32" (8.71mm) ER40 Spring Collets
From .314 - .354" (7.98 - 8.99mm)

**ER40-375**

3/8" (9.52mm) ER40 Spring Collets
From .354 - .393" (8.99 - 9.98mm)

**ER40-437**

7/16" (11.10mm) ER40 Spring Collets
From .433 - .472" (11.00 - 11.98mm)

**ER40-500**

1/2" (12.70mm) ER40 Spring Collets
From .472 - .511" (11.98 - 12.979mm)

**ER40-562**

9/16" (14.27mm) ER40 Spring Collets
From .551 - .590" (14.00 - 14.99mm)

**ER40-750**

3/4" (19.05mm) ER40 Spring Collets
From .748 - .787" (19.00 - 19.99mm)

**ER40-875**

7/8" (22.23mm) ER40 Spring Collets
From .866 - .905" (22.00 - 23.00mm)

**ER40-1000**

1.000" ER40 Spring Collets From .984 - 1.020" (25.00 - 26.00mm)

**ER40SW**

ER40 Spanner Wrench for Collet Chuck (CCWSETR40 Only)



COLLET40-BOX

Collets box for 10 collets and Holder



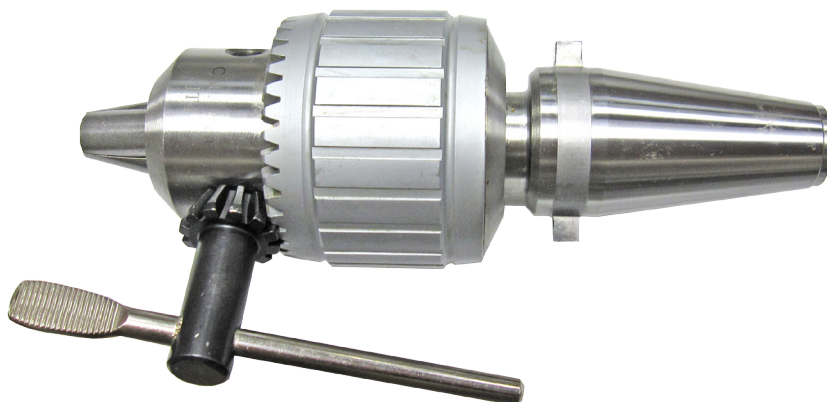
CCWSETR40

Collet Chuck Spindle Adapter (ER40 / ISO40) with Collet Nut for Rottler R40 Spindle Taper (for ER 40 Collets only)



PC750R40

Drill chuck for SG80A - Max capacity .750" (19.05mm)



Available Carbide Pilots by Diameter and Length

NOTE: For Recommended Fixed Carbide, See SG Pilot Catalog.

UCPM-MINI	UNIPILOT Carbide Pilots with 6.00mm Shank Diameter / 5.700" long range from 3.50 - 7.00mm to be used on BH600-R1 Tool Holder and TH1999 Tip Holder)
UCP-5TO10STD	UNIPILOT Carbide Pilots UCP .375" (9.52mm) Shank Diameter / Total Length 7.500" Range from .196 - .394" (5.00 - 10.00mm)
UCP-10TO12STD	UNIPILOT Carbide Pilots UCP .375" (9.52mm) Shank Diameter / Total Length 7.500" Range from .390 - .470" (10.01 - 12.00 mm)
UCP-12TO14STD	UNIPILOT Carbide Pilots UCP .375" (9.52mm) Shank Diameter / Total Length 7.500" Range from .470 - .550" (12.01 - 14.00 mm)
UCP-14TO16STD	UNIPILOT Carbide Pilots UCP .375" (9.52mm) Shank Diameter / Total Length 7.500" Range from .551 - .630" (14.01 - 16.00mm)
UCP-UNDER10-9EL	UNIPILOT Carbide Pilot .375" (9.52mm) Shank Diameter Below .390" 10.00mm (9.00" extended length)
UCP-10TO14-9EL	UNIPILOT Carbide Pilot .375" (9.52mm) Shank Diameter (9.00" extended length) from 10.02 - 14.50mm
UCP-14TO16-9EL	UNIPILOT Carbide Pilot .375" (9.52mm) Shank Diameter (9.00" extended length) from 14.02 - 16.00mm
UCP-16TO19-9EL	UNIPILOT Carbide Pilot .375" (9.52mm) Shank Diameter (9.00" extended length) from 16.02 - 19.50mm
UCP-10TO14-12EL	UNIPILOT Carbide Pilot .375" (9.52mm) Shank Diameter (12.00" extended length) from 10.02 - 14.50mm
UCP-20MM	Any UNIPILOT Carbide Pilot 20.00mm Shank Diameter Up to 22.00mm pilot Diameter

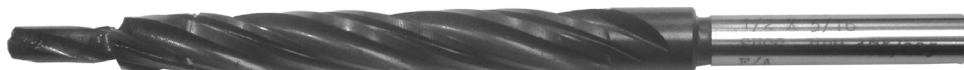
Suggested UNIPILLOT Carbide Pilot for Large Cylinder Heads 20.00mm Shank Diameter

UCP499EL1220	12.69mm .4996" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank Diameter (12.00" Length) Waukesha Cylinder heads 1197 series
UCP500EL1220	12.70mm .5000" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank Diameter (12.00" Length) Waukesha Cylinder heads 1197 series
UCP434EL1220	11.04mm .4346" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank Diameter (12.00" Length) Waukesha Cylinder heads VGF series
UCP435EL1220	11.05mm .4350" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank Diameter (12.00" Length) Waukesha Cylinder heads VGF series
UCP560EL1220	14.27mm .560" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank diameter (12.00" Length) VHP7042 - GL7042 -3711 Waukesha Cylinder heads
UCP630EL1520	16.00mm .630" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank diameter (15.00" Length) For Caterpillar 3600 Cylinder Head
UCP631EL1520	16.03mm .631" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank diameter (15.00" Length) For Caterpillar 3600 Cylinder Head
UCP632EL1520	16.05mm .632" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank diameter (15.00" Length) For Caterpillar 3600 Cylinder Head
UCP874EL1320	22.20mm .874" UNIPILLOT Carbide Pilot .7874" (20.00mm) Shank diameter (13.00" Length) For white Superior Cylinder Head

Miscellaneous Tooling

CDR312 Combo Core drill / Reamer

.312" Pilot to bore for standard 1/2" OD valve guide insert with .375" diameter Shank, requires SAD375R1 spindle adapter or to be used with collet holder



CDR343 Combo Core drill / Reamer

.343" Pilot to bore for standard 1/2" OD valve guide insert with .375" diameter Shank, requires SAD375R1 spindle adapter or to be used with collet holder



CDR375 Combo Core drill / Reamer

.375" Pilot to bore for standard 1/2" OD valve guide insert with .375" diameter Shank, requires SAD375R1 spindle adapter or to be used with collet holder



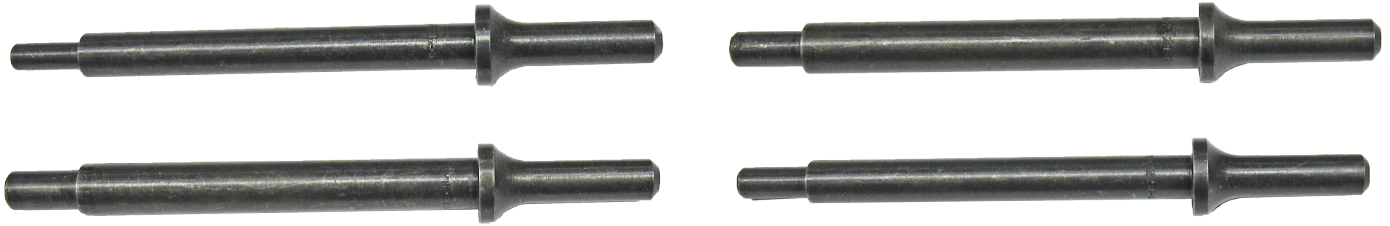
VSD100-KIT Valve Seat Driver Kit

Includes Seat Driver Body (VSD101) 5 Dual seat Ring Adapters (VSD102 1 - 1.1/8", VSD103 1.1/4 - 1.3/8", VSD104 1.1/2 - 1.5/8", VSD105 1.3/4 - 1.7/8", VSD106 2 - 2.1/8"), 5 Solid Tapered Pilots STP0250, STP0275, STP0312, STP0343, STP0374



VGD-KIT Valve Guide Driver Kit

Includes .312" Valve Guide Driver, .343" Valve Guide Driver, .372" Valve Guide Driver and 7.0mm Valve Guide Driver (requires air hammer - not available from Rottler)

**VGTC-KIT3 Valve Guide Top Cutter Kit**

With 1/2" straight Shank. To be used with Collet holder or SAD500R1 Spindle Adapter. Kit includes 5/16", 11/32" & 3/8" pilot for guide top cutter

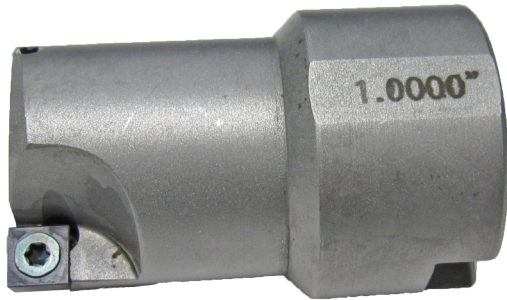


Fixed Double Insert Milling Heads

FMH Fixed Double Replaceable Insert Milling Heads - Bore diameter 1.25 - 2.50" (31.75 - 63.50mm) available in increments of 1/16" (.125") (Requires Milling Head driver) (specify size)

FMH10000R1 1.0000" Fixed Double Replaceable Insert Milling Head

With .562" Driver (Requires BD560 .562" ID Milling head Driver)



FMH10625R1 1.0625" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)



FMH11250R1 1.1250" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)



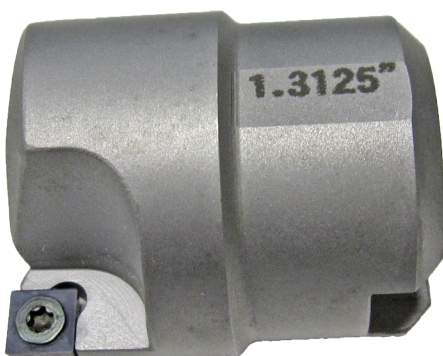
FMH11875R1 1.1875" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)



FMH13125R1 1.3125" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)



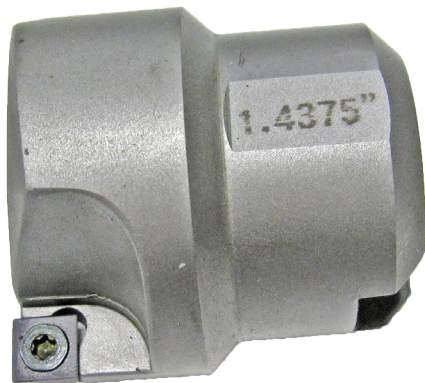
FMH13750R1 1.3750" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

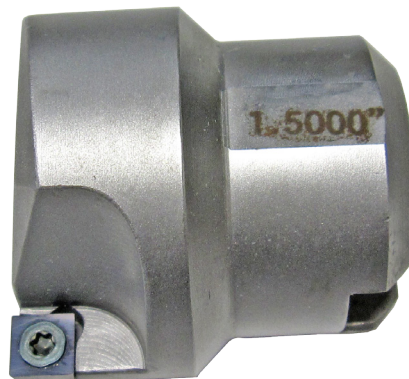


FMH14375R1 1.4375" Fixed Double Replaceable Insert Milling Head

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH15000R1 1.5000" Fixed Double Replaceable Insert Milling Head**

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH15625R1 1.5625" Fixed Double Replaceable Insert Milling Head**

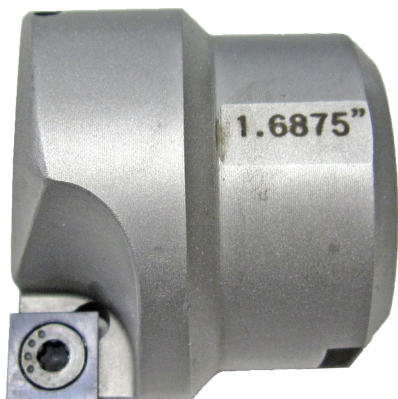
With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH16250R1 1.6250" Fixed Double Replaceable Insert Milling Head**

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH16875R1 1.6875" Fixed Double Replaceable Insert Milling Head**

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH17500R1 1.7500" Fixed Double Replaceable Insert Milling Head**

With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

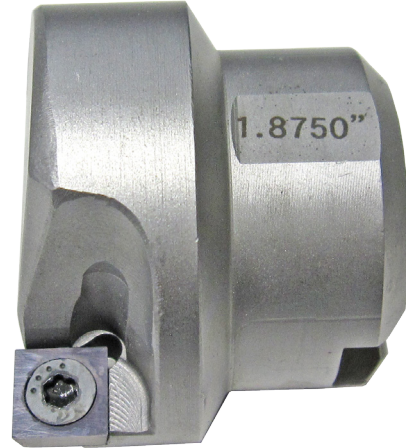


FMH18125R1 1.8125" Fixed Double Replaceable Insert Milling Head

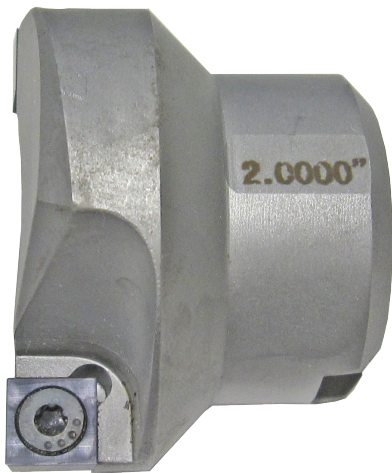
With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

**FMH18750R1 1.8750" Fixed Double Replaceable Insert Milling Head**

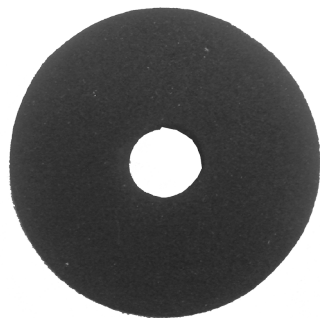
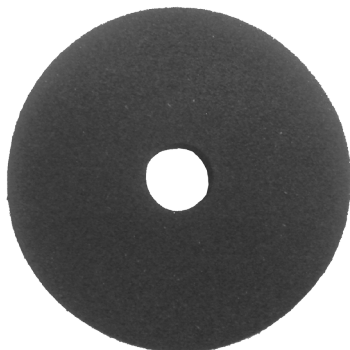
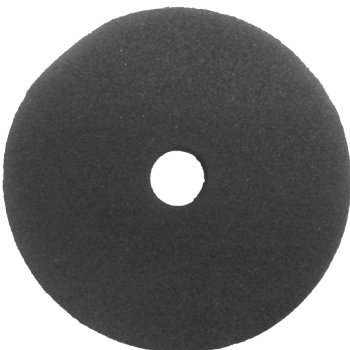
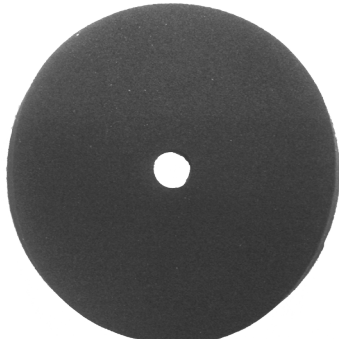
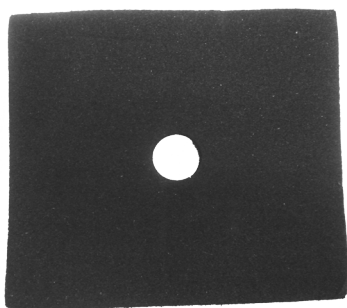
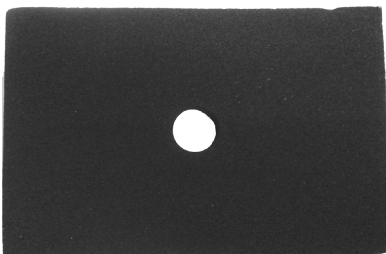
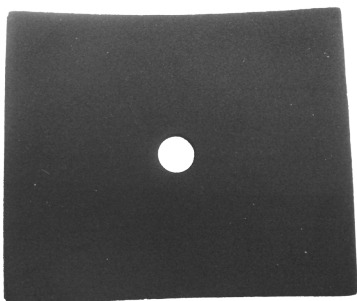
With .562" Driver ID (Requires BD560 .562" ID Milling head Driver)

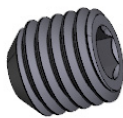
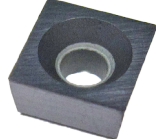
**FMH20000R1 2.0000" Fixed Double Replaceable Insert Milling Head**

With .562" Driver ID (Requires BD560 .562" ID. Ball Head Milling head Driver)



Consumable Parts for Seat and Guide Models

SLEEVE1 Spindle Adapter Replacement Sleeve 	BSW002 Diamond Wheel Cutting Bit Sharpener replacement Wheel (3.000" Diameter OD by .375" ID) 	VT-FP1562 Replacement Foam Pad For Round Vacuum Pad 1.562" (39.675mm) diameter 
VT-FP1875 Replacement Foam Pad For Round Vacuum Pad 1.875" (47.625mm) diameter 	VT-FP2125 Replacement Foam Pad For Round Vacuum Pad 2.125" (53.975mm) diameter 	VT-FP3125 Replacement Foam Pad For Round Vacuum Pad 3.125" (79.375mm) diameter 
VT-FP25X22 Replacement Foam Pad For Square Vacuum Pad 2.500 X 2.250" (63.5 X 57.15mm) square 	VT-FP31X20 Replacement Foam Pad For Square Vacuum Pad 3.125 X 2.000" (79.375 X 50.8mm) square 	VT-FP33X27 Replacement Foam Pad For Square Vacuum Pad 3.375 X 2.750" (85.725 X 69.85mm) square 

PRW600PIN Replaceable Pin For PRW600 Pilot Removable wrench tool 	PRW375PIN Replaceable Pin For PRW375 Pilot Removable wrench tool 	PRW20PIN Replaceable Pin For PRW375 Pilot Removable wrench tool 
511-29-12E Torx Screw M2.5 X 0.45 (straight angle insert holders only) 	T7D T7 Torx Driver For 1/4" insert (straight angle insert holders only) 	
T8S T8 Torx Tip Holding Screws 	T15S T15 Torx Tip Holding Screws 	S1032-250 BH375R1 and BH600R1 Tip Holder Locking Screw 10/32" X 1/4" (requires 2) 
S250-28-250 BH375WR1 Tip Holder Locking Screw 1/4"-28" X 1/4" (requires 2) 	S1032-437 TH1999 Adjusting Screw (10/32 X 7/16") 	S1032-375 TH2000 Adjusting Screw (10/32 X 3/8") 
S1032-500 TH2001 Adjusting Screw (10/32 X 1/2") 	S1032-625 TH2002 Adjusting Screw (10/32 X 5/8") 	S500-1600 TH2003 Adjusting Screw (6.00 X 16mm) 
S600-2015 TH2004 Adjusting Screw (6.00 X 20.15mm) 	ICC003 Insert, Indexable Carbide For Fixed milling heads - large size - for 1.562" and larger cutters 	ICC002 Insert, Indexable Carbide For Fixed milling heads - small size - for 1.250 - 1.500" cutters 