

seat and guide machines



TOOLING FOR VALVE SEATS

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Tooling for seat and guide machines

China profile cutters are designed on a modern CAD system, and then produced according to exact seat specification on a CNC profile grinder. Every single cutter is quality controlled on state-of-art equipment before delivery.

Original style

A1



Standard Cutting Bit for almost any conventional valve seat profil

AL10



AL11



AL12



AL13



Counterboring Cutting Bit for valve seat counterbore machining

B1



For wide seat profile machining on large diameter valve seat

B2



For wide seat profile machining on smaller diameter valve seat

B4



For small valve seat diameter such as motorcycle heads with a deep seat

New generation style

E1



E2



Standard Cutting Bits for almost any small valve seat profil
(E1 fits S2700 - E2 fits S2710/S2711/S2731)

E3



Cutting bit for wide seat profile machining
(Fits S2710/S2711/S2730)

D1



Counterboring cutting bit for small diameter seat pocket machining
(Fits S2700)

D2



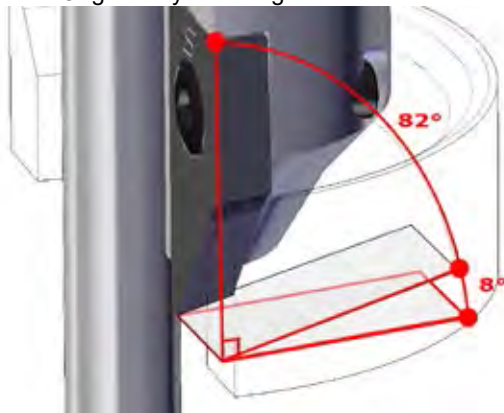
Counterboring cutting bit for valve seat machining (Fits S2710/S2711/S2731)

TECHNICAL NOTES :

- Do not use a 0° bit on a 8° Bit Holder or the opposite.
- If used as above mentioned, the back of the bit will touch the seat when machining or the bit will be too fragile in the second case.
- The original bit sharpener can be used with the New Style Cutting Bits using adapter tooling bracket (Reference : 021960)

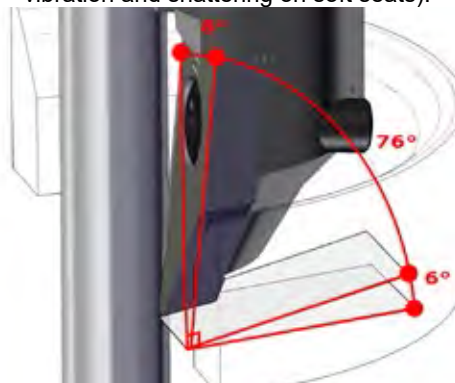
0° Rake Cutting Angle (Negative):

The bit is perpendicular to the cutting surface (as the SERDI Original Style Tooling). The 0° angle tooling can cut different hardness seats (soft & medium) up to 45 Rockwell. The cutting parameters for the 0° angle tooling can remain the same as the SERDI Original Style Tooling but with an easier cut.



8° Rake Cutting Angle (Positive):

The bit is 8° from the perpendicular to the cutting surface. The 8° angle tooling is especially design to cut hard seats 45 Rockwell and up. The cutting bit is more aggressive on the seat so the vertical pressure decrease and run at a lower Rpm. SERDI recommends using this type of tooling only on hard seats (Risk of vibration and shattering on soft seats).



original cutting system tooling range for seats machining

Capacity (seat Ø)	Ø18 to Ø30 mm Ø0.70" to Ø 1.180"	Ø28 to Ø42 mm Ø1.100" to Ø1.650"	Ø40 to Ø58mm Ø1.570" to Ø2.280"	Ø40 to Ø60 mm Ø1.570" to Ø2.360"	Ø58 to Ø80 mm Ø2.280" to Ø3.150"	
Tool-holder	 S5100 Ref 010021			 S5300 Ref 404079		
	 S2000 Ref 303390			 S2001 Ref 303391	 S2002 Ref 303392	 S2003 Ref 303393
Cutting bit holder						
Pilot						
Cutting bit	 Cl type pilot Ø 9.52 mm - 3/8" shank Ø 3.5 to Ø 14 mm 190 mm - 7.5" length					
	A1  AL10  AL11  AL12  B1  B2  B4  AL13 					

Cutting system «SCS» tooling range for seats machining

Capacity (seat Ø)	Ø16 to Ø25 mm Ø0.630" to Ø0.980"	Ø20 to Ø30 mm Ø0.787" to Ø1.181"	Ø28 to Ø40 mm Ø1.102" to Ø1.570"	Ø35 to Ø70 mm Ø1.380" to Ø2.760"	Ø60 to Ø120 mm Ø2.360" to Ø4.720"
Tool-holder	S5700 Ref 019583	S5710 Ref 014154			S5731 Ref 020762
Cutting bit holder	S2700 0° rake angle Ref 921228	S2710 0° rake angle Ref 919409	S2711 0° rake angle Ref 918768		S2730 0° rake angle Ref 919513
Pilot	CL type pilot Ø 9.52 mm - 3/8" shank 190 mm - 7.5" length	CL type pilot Ø 9.52 mm - 3/8" shank 190 mm - 7.5" length	S2710 8° rake angle Ref 019409	S2711 8° rake angle Ref 018768	S2730 8° rake angle Ref 019513
Cutting bit	F1/D1 8° draft angle Ref 0xxxxx	D2/E2/E3 14° draft angle Ref 0xxxxx	D2/E2/E3 8° draft angle Ref 9xxxxx		D2/E2/E3 14° draft angle Ref 0xxxxx

Cutting system «SCS» tooling range for seats machining

Machining capacity

Ø16 to Ø25 mm
Ø0.630" to Ø 0.980"

Ø20 to Ø40 mm
Ø0.787" to Ø1.181"

Ø35 to Ø70 mm
Ø1.102" to Ø1.570"

Ø60 to Ø120 mm
Ø2.360" to Ø4.720"

Tool-holder

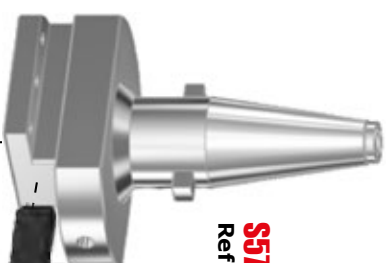
S5700
Ref 019583



S5710
Ref 014154



S5731
Ref 020762



Cutting bit holder



S2700-TRI-0
Ref 035777



S2700-TRI-10
Ref 035778



S2700TRI-20
Ref 035779



S2700 TRI-30
Ref 035780



S2700 TRI-45
Ref 035781



S2700-TRI-60
Ref 035782



S2711-TRI-0
Ref 034665



S2711-TRI-10
Ref 034667



S2711-TRI-20
Ref 034669



S2711-TRI-30
Ref 034671



S2711-TRI-45
Ref 034673



S2711-TRI-60
Ref 034675



S2730-TRI-0
Ref 034664



S2730-TRI-10
Ref 034666



S2730-TRI-20
Ref 034668



S2730-TRI-30
Ref 034670



S2730-TRI-45
Ref 034672



S2730-TRI-60
Ref 034674

Pilot

CL type pilot

Ø 9.52 mm - 3/8" shank
190 mm - 7.5" length



FULL FACE CBN BIT



Ref 031742

CL type pilot

Ø 9.52 mm - 3/8" shank
190 mm - 7.5" length



FULL FACE CBN BIT



Ref 033223

E type pilot

Ø 20 mm - .78" shank





5100

- 753313 Pilot tightening screw (HC M5x8) x 1
- 753313 Tightening screw for cutting bit holder (HC M5x8) x 2



Only for cutting bit holder #2000, #2001, #2002

For the entire range of France and China seat and guide machines

Accommodates any pilot size with Ø 9.52mm - 3/8" shank

Accommodates the entire range of milling cutters for valve seat pocket counterboring

5300

- 753313 Pilot tightening screw (HC M5x8) x 1
- 753313 Tightening screw for cutting bit holder (HC M5x8) x 2



Only for cutting bit holder #2003, #2004

For the entire range of France and China seat and guide machines

Accommodates any pilot size with Ø 9.52mm - 3/8" shank

5700

- 753323 Pilot tightening screw (HC M5x10) x 1
- 753313 Tightening screw for cutting bit holder (HC M5x8) x 2



Only for cutting bit holder #2700

For the entire range of France and China seat and guide machines

Accommodates any pilot size with Ø 9.52mm - 3/8" shank

5710

- 753332 Pilot tightening screw (HC M5x12) x 1
- 753313 Tightening screw for cutting bit holder (HC M5x8) x 4



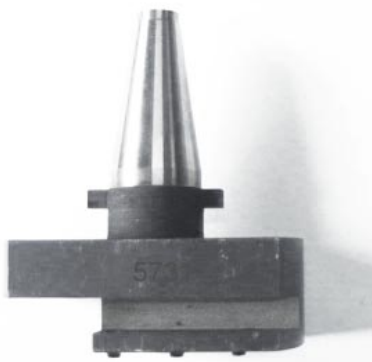
Only for cutting bit holder #2700, #2710 and #2711 For the entire range of France and China seat and guide machines

Accommodates any pilot size with Ø 9.52mm - 3/8" shank



Tool holders Special

5730



753350 Pilot tightening screw (HC M5x20) x 1

753313 Tightening screw for cutting bit holder (HC M5x8) x 6

Only for cutting bit holder #2730

For the entire range of France and China seat and guide machines, except SERDI 3.0, SERDI 1.1 and SERDI 3.5

Accommodates any pilot size with Ø 20mm - 0.787" shank

3200



Adaptor ISO 30 (fits in France and China spindles) to Morse Taper

Cutting bit holders Spare parts

582501 T8 screw driver



The TENDTOOL standard Torx T8 Screw driver for original style tooling

012205 T15 screw driver



The TENDTOOL standard Torx T15 Screw driver for new style tooling SCS

757010 T8 torx screw



The TENDTOOL standard Torx Screw for original style tooling

021144 T15 torx screw



The TENDTOOL standard Torx Screw for new style tooling SCS

Cutting bit holders

Original tooling



2000



- 753220 Adjusting diameter screw (HC M4x10) x 1
757010 Torx screw T8 (HC M3x10) x 1

Only for tool holder #5100

Accommodates carbide cutting bit A and B type



2001



- 753230 Adjusting diameter screw (HC M4x12) x 1
757010 Torx screw T8 (HC M3x10) x 1

Only for tool holder #5100

Accommodates carbide cutting bit A and B type



2002



- 753240 Adjusting diameter screw (HC M4x16) x 1
757010 Torx screw T8 (HC M3x10) x 1

Only for tool holder #5100

Accommodates carbide cutting bit A and B type



2003



- 753415 Adjusting diameter screw (HC M6x16) x 1
757010 Torx screw T8 (HC M3x10) x 1

Only for tool holder #5300

Accommodates carbide cutting bit A and B type



2004



- 753425 Adjusting diameter screw (HC M6x20) x 1
757010 Torx screw T8 (HC M3x10) x 1

Only for tool holder #5300

Accommodates carbide cutting bit A and B type





Cutting bit holders

SCS

T2700

- 753340 Adjusting diameter screw (HC M5x16) x 1
021145 Torx screw T15 (HC M3.5x9.5) x 1



Only for tool holder #5700 and #5710

Negative 0° rake angle: accomodates carbide cutting bits D1 part #0XXXX (E2 for particular applications only)



Ø 16 to 30 mm
Ø 0.630" to
1.181"

T 2710 - 0°

- 753350 Adjusting diameter screw (HC M5x20) x 1
021144 Torx screw T15 (HC M3.5x11) x 1



Only for tool holder #5710

Negative 0° rake angle: accomodates carbide cutting bits E2, E3, D2 part #9xxxxx



Ø 28 to 40 mm
Ø 1.102" to 1.570"

Cutting bit holders

SCS



T2711 - 0°

- 753370 Adjusting diameter screw (HC M5x30) x 1
021144 Torx screw T15 (HC M3.5x11) x 1



Only for tool holder #5710

Negative 0° rake angle: accomodates carbide cutting bits E2, E3, D2 part #9xxxxx



Ø 35 to 70 mm
Ø 1.38" to 2.76"

018768 SERDI 2711 - 8°

- 753370 Adjusting diameter screw (HC M5x30) x 1
021144 Torx screw T15 (HC M3.5x11) x 1



Only for tool holder #5710

Positive 8° rake angle: accomodates carbide cutting bits E2, E3, D2 part #0xxxxx

2730 - 0°

- 753370 Pilot tightening screw (HC M5x30) x 1
021144 Torx screw T15 (HC M3.5x11) x 1



Only for tool holder #5731

Negative 0° rake angle: accomodates carbide cutting bits E2, E3, D2 part #9xxxxx



Ø 60 to 120 mm
Ø 2.36" to 4.72"

2730 - 8°

- 753370 Pilot tightening screw (HC M5x30) x 1
021144 Torx screw T15 (HC M3.5x11) x 1



Only for tool holder #5731

Positive 8° rake angle: accomodates carbide cutting bits E2, E3, D2 part #0xxxxx



035777 S2700 TRI-0



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

0° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).

035778 S2730 TRI-10



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

10° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).

035779 S2730 TRI-20



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

20° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).

035780 S2730 TRI-30



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

30° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).

035781 S2730 TRI-45



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

45° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).

035782 S2730 TRI-60



- 753340 Adjusting diameter screw (HC M5x16) x 1
031738 Bit clamp + screw (CHC M3)

For tool holder #5700 and #5710

60° single angle tip holder for triangular cutting bit 6 mm edges 031742 (order separately).



Ø with S5700
- mini Ø16 mm - 0.630"
- maxi Ø25 mm - 0.980"
Ø with S5710
- mini Ø20 mm
- maxi Ø40 mm





Cutting bit holders

TRI

034665 S2711 TRI-0

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)



Only for tool holder #5710

0° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034667 S2711 TRI-10

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)



Only for tool holder #5710

10° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034669 S2711 TRI-20

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)



Only for tool holder #5710

20° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034671 S2711 TRI-30

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)



Only for tool holder #5710

30° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034673 S2711 TRI-45

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)



Only for tool holder #5710

45° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034675 S2711 TRI-60

753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

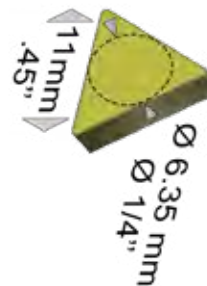


Only for tool holder #5710

60° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).



Ø with S5710
- mini Ø35 mm
- maxi Ø70 mm





Cutting bit holders

TRI

034664 S2730 TRI-0



- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

0° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034666 S2730 TRI-10



- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

10° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034668 S2730 TRI-20



- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

20° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034670 S2730 TRI-30



- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

30° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034672 S2730 TRI-45



- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

45° single angle tip holder for triangular cutting bit 11 mm edges 033223 (order separately).

034674 S2730 TRI-60



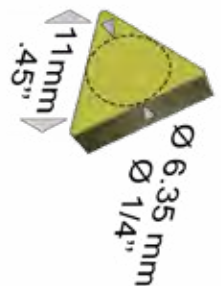
- 753370 Adjusting diameter screw (HC M5x30) x 1
032263 Bit clamp + screw (CHC M4)

Only for tool holder #5731

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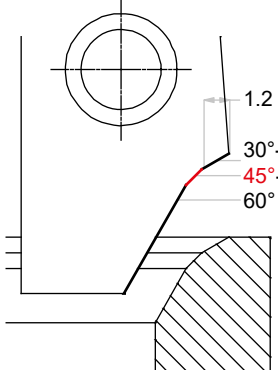
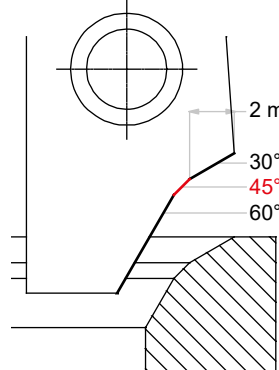
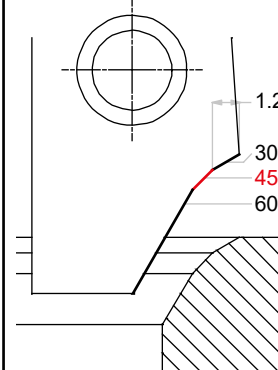
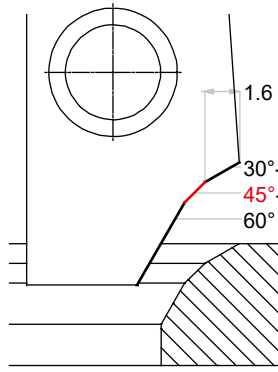
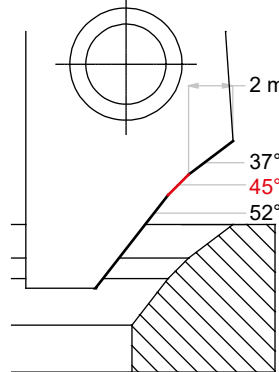
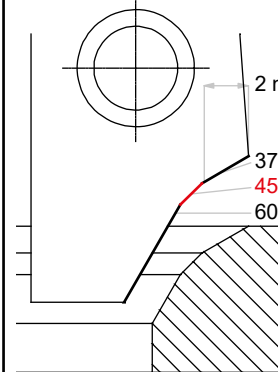
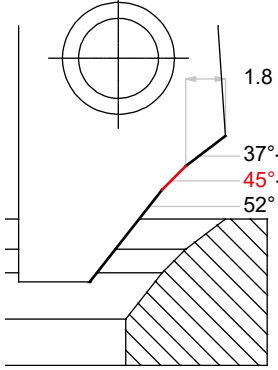
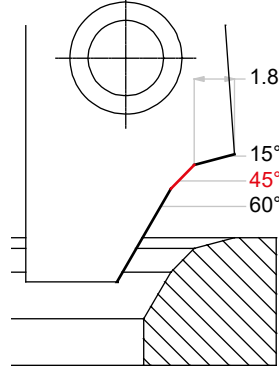
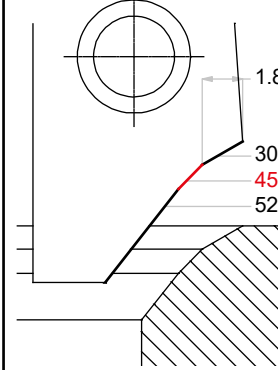


Ø with S5731
- mini Ø60 mm
- maxi Ø120 mm

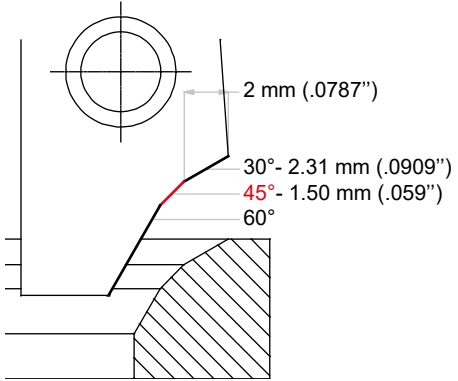
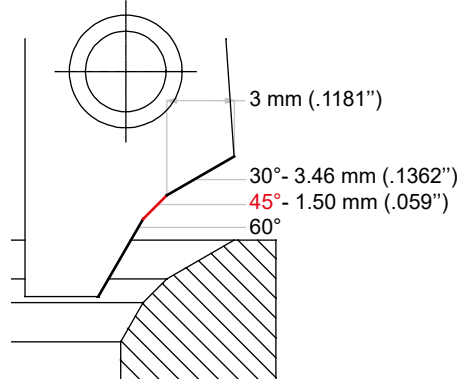
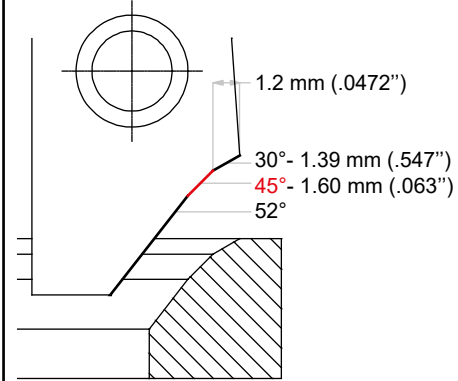
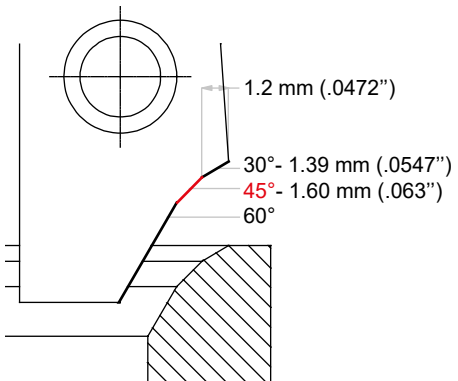
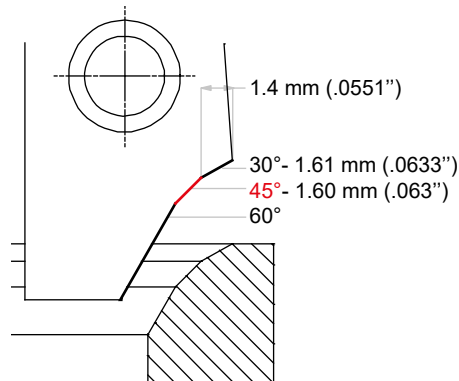
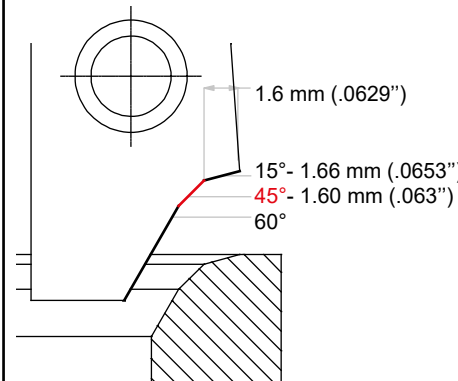
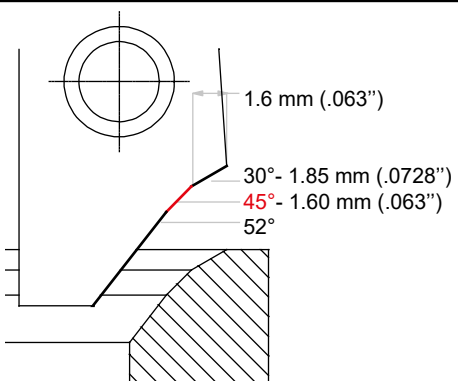
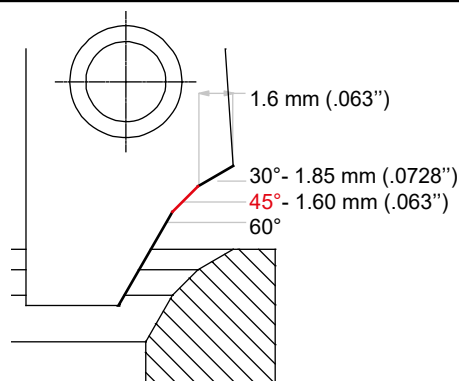
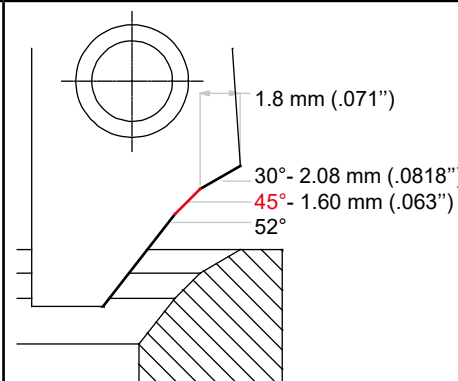


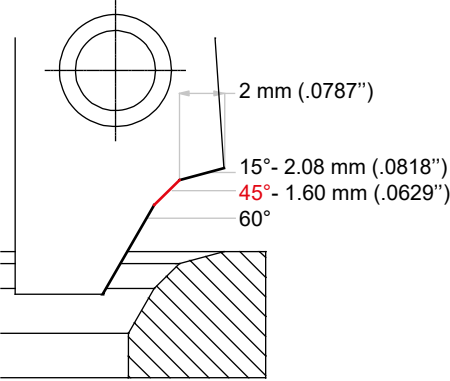
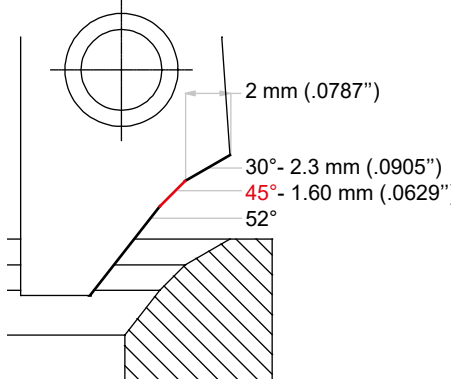
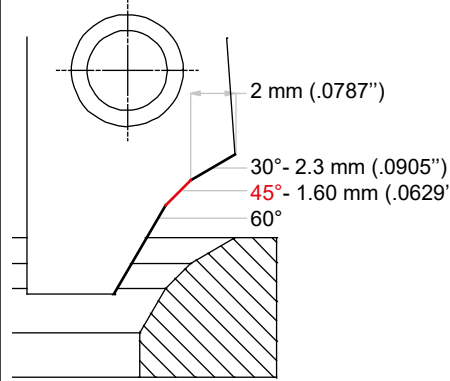
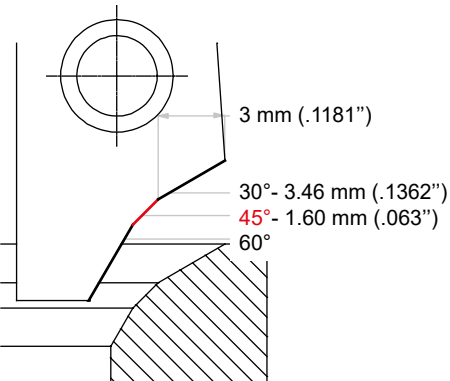
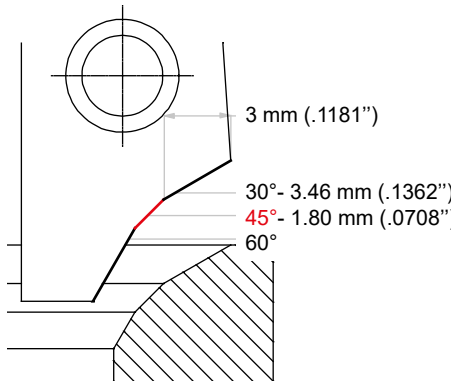
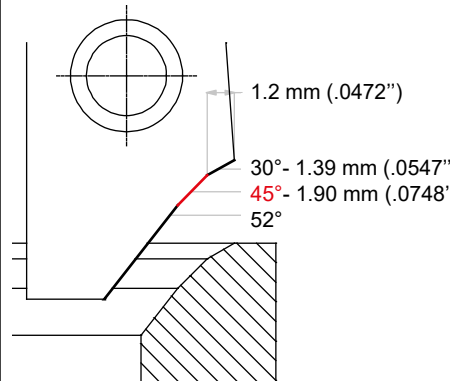
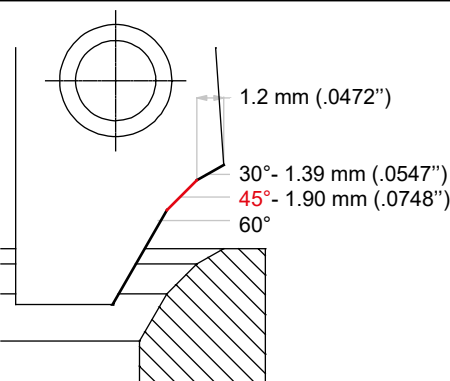
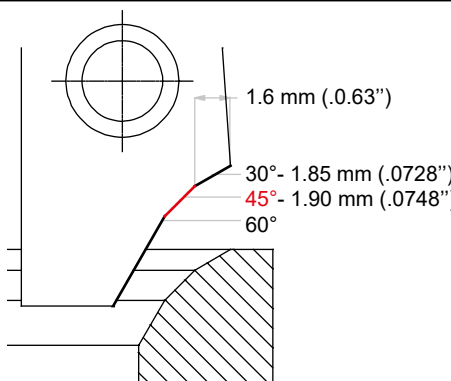
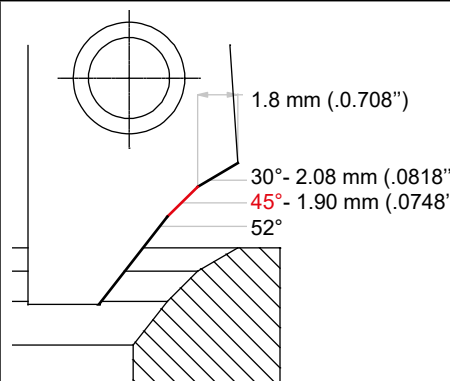


Cutting bits 45°

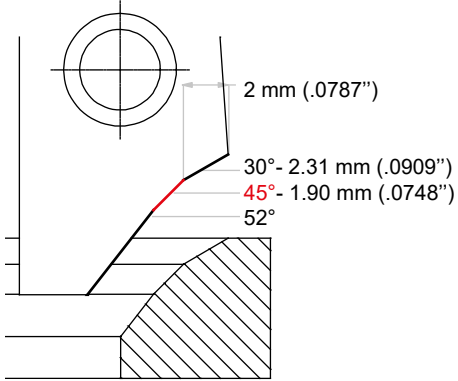
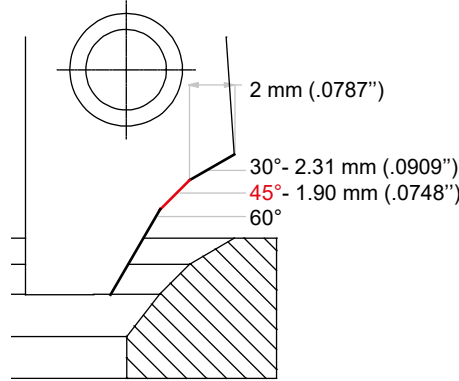
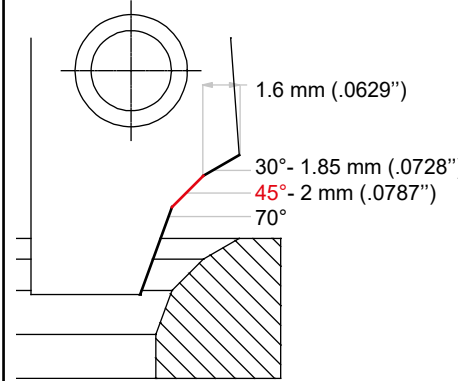
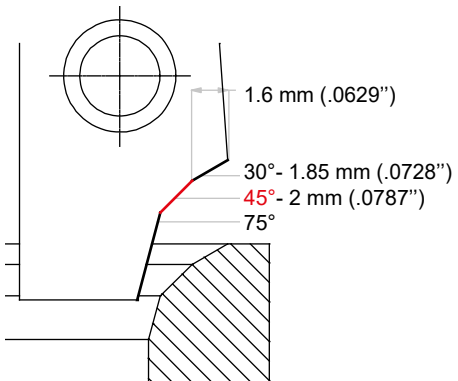
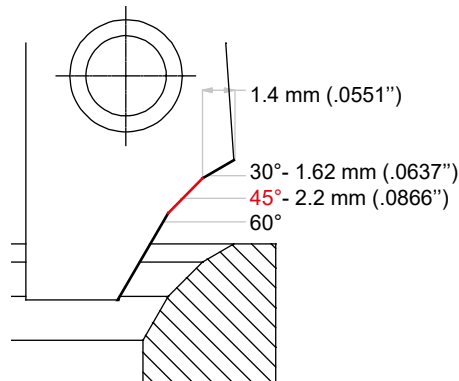
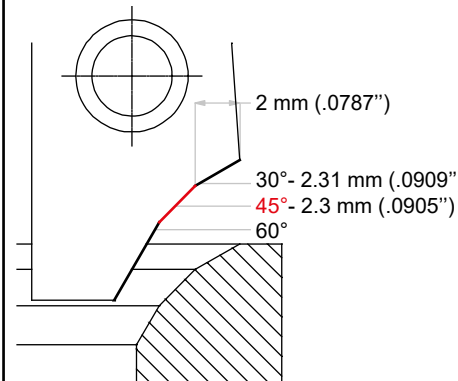
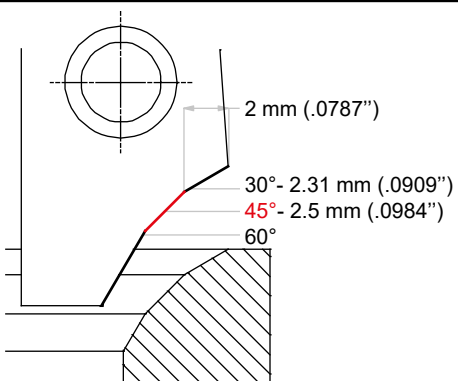
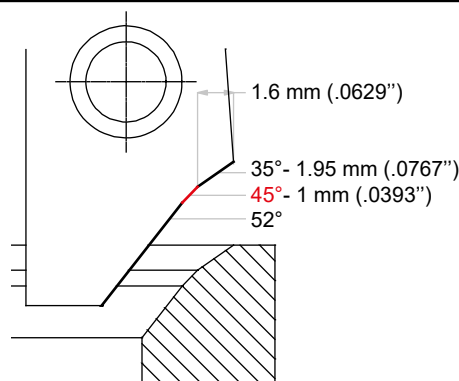
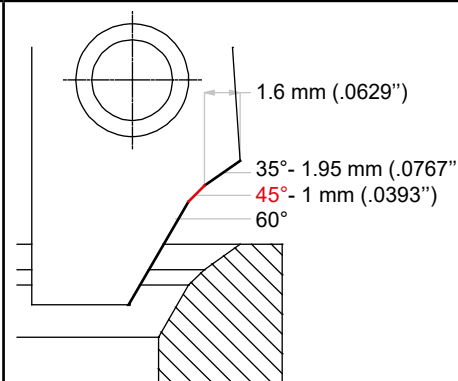
 1.2 mm (.0472") 30°- 1.39 mm (.0547") 45°- 1.00 mm (.0393") 60° 022736 ADS001-E1 922735 ADN001-E2 022735 ADP001-E2 000612 SC001-A1	 2 mm (.0787") 30°- 2.31 mm (.0909") 45°- 1.00 mm (.0393") 60° 022728 ADS002-E1 922833 ADN002-E2 022833 ADP002-E2 006351 SC002-A1	 1.2 mm (.0472") 30°- 1.39 mm (.0547") 45°- 1.30 mm (.0511") 60° 022838 ADS003-E1 922839 ADN003-E2 022839 ADP003-E2 012735 SC003-A1
 1.6 mm (.0629") 30°- 1.85 mm (.073") 45°- 1.30 mm (.0511") 60° 022840 ADS004-E1 922841 ADN004-E2 022841 ADP004-E2 021856 SC004-A1	 2 mm (.0787") 37°- 2.50 mm (.0984") 45°- 1.30 mm (.0511") 52° 022844 ADS005-E1 922845 ADN005-E2 022845 ADP005-E2 000691 SC005-A1	 2 mm (.0787") 37°- 2.31 mm (.0909") 45°- 1.30 mm (.0511") 60° 022842 ADS006-E1 922843 ADN006-E2 022843 ADP006-E2 000693 SC006-A1
 1.8 mm (.0708") 37°- 2.25 mm (.0885") 45°- 1.50 mm (.059") 52° 022862 ADS007-E1 922861 ADN007-E2 022861 ADP007-E2 000764 SC007-A1	 1.8 mm (.0708") 15°- 1.86 mm (.0732") 45°- 1.50 mm (.059") 60° 022858 ADS008-E1 922857 ADN008-E2 022857 ADP008-E2 000768 SC008-A1	 1.8 mm (.0708") 30°- 2.08 mm (.0818") 45°- 1.50 mm (.059") 52° 022860 ADS009-E1 922859 ADN009-E2 022859 ADP009-E2 012736 SC009-A1

Cutting bits 45°

 2 mm (.0787") 30°- 2.31 mm (.0909") 45°- 1.50 mm (.059") 60° 022864 ADS010-E1 922863 ADN010-E2 022863 ADP010-E2 000778 SC010-A1	 3 mm (.1181") 30°- 3.46 mm (.1362") 45°- 1.50 mm (.059") 60° 025361 ADS011-E1 927018 ADN011-E2 027018 ADP011-E2 009476 SC011-A1	 1.2 mm (.0472") 30°- 1.39 mm (.547") 45°- 1.60 mm (.063") 52° 025344 ADS012-E1 927011 ADN012-E2 027011 ADP012-E2 000791 SC012-A1
 1.2 mm (.0472") 30°- 1.39 mm (.0547") 45°- 1.60 mm (.063") 60° 022868 ADS013-E1 922867 ADN013-E2 022867 ADP013-E2 000792 SC013-A1	 1.4 mm (.0551") 30°- 1.61 mm (.0633") 45°- 1.60 mm (.063") 60° 022872 ADS014-E1 922871 ADN014-E2 022871 ADP014-E2 019175 SC014-A1	 1.6 mm (.0629") 15°- 1.66 mm (.0653") 45°- 1.60 mm (.063") 60° 022874 ADS015-E1 922873 ADN015-E2 022873 ADP015-E2 019176 SC015-A1
 1.6 mm (.063") 30°- 1.85 mm (.0728") 45°- 1.60 mm (.063") 52° 025345 ADS016-E1 927127 ADN016-E2 027127 ADP016-E2 025215 SC016-A1	 1.6 mm (.063") 30°- 1.85 mm (.0728") 45°- 1.60 mm (.063") 60° 022870 ADS017-E1 922869 ADN017-E2 022869 ADP017-E2 000796 SC017-A1	 1.8 mm (.071") 30°- 2.08 mm (.0818") 45°- 1.60 mm (.063") 52° 022878 ADS018-E1 922877 ADN018-E2 022877 ADP018-E2 000798 SC018-A1

 2 mm (.0787") 15° - 2.08 mm (.0818") 45° - 1.60 mm (.0629") 60° 022876 ADS019-E1 922875 ADN019-E2 022875 ADP019-E2 000801 SC019-A1	 2 mm (.0787") 30° - 2.3 mm (.0905") 45° - 1.60 mm (.0629") 52° 022881 ADS020-E1 922882 ADN020-E2 022882 ADP020-E2 012831 SC020-A1	 2 mm (.0787") 30° - 2.3 mm (.0905") 45° - 1.60 mm (.0629") 60° 022880 ADS021-E1 922879 ADN021-E2 022879 ADP021-E2 000802 SC021-A1
 3 mm (.1181") 30° - 3.46 mm (.1362") 45° - 1.60 mm (.063") 60° 025349 ADS022-E1 925348 ADN022-E2 025348 ADP022-E2 024914 SC022-A1	 3 mm (.1181") 30° - 3.46 mm (.1362") 45° - 1.80 mm (.0708") 60° 025351 ADS023-E1 925350 ADN023-E2 025350 ADP023-E2 025069 SC023-A1	 1.2 mm (.0472") 30° - 1.39 mm (.0547") 45° - 1.90 mm (.0748") 52° 025352 ADS024-E1 927094 ADN024-E2 027094 ADP024-E2 024900 SC024-A1
 1.2 mm (.0472") 30° - 1.39 mm (.0547") 45° - 1.90 mm (.0748") 60° 022892 ADS025-E1 922891 ADN025-E2 022891 ADP025-E2 000833 SC025-A1	 1.6 mm (.063") 30° - 1.85 mm (.0728") 45° - 1.90 mm (.0748") 60° 022898 ADS026-E1 922897 ADN026-E2 022897 ADP026-E2 000841 SC026-A1	 1.8 mm (.0708") 30° - 2.08 mm (.0818") 45° - 1.90 mm (.0748") 52° 022912 ADS027-E1 922899 ADN027-E2 022899 ADP027-E2 000851 SC027-A1

Cutting bits 45°

 2 mm (.0787") 30° - 2.31 mm (.0909") 45° - 1.90 mm (.0748") 52° 022916 ADS028-E1 922915 ADN028-E2 022915 ADP028-E2 019177 SC028-A1	 2 mm (.0787") 30° - 2.31 mm (.0909") 45° - 1.90 mm (.0748") 60° 022914 ADS029-E1 922913 ADN029-E2 022913 ADP029-E2 000854 SC029-A1	 1.6 mm (.0629") 30° - 1.85 mm (.0728") 45° - 2 mm (.0787") 70° 025356 ADS030-E1 925355 ADN030-E2 025355 ADP030-E2 023384 SC030-A1
 1.6 mm (.0629") 30° - 1.85 mm (.0728") 45° - 2 mm (.0787") 75° 023669 ADS031-E1 925357 ADN031-E2 025357 ADP031-E2 023385 SC031-A1	 1.4 mm (.0551") 30° - 1.62 mm (.0637") 45° - 2.2 mm (.0866") 60° 025359 ADS032-E1 925358 ADN032-E2 025358 ADP032-E2 000962 SC032-A1	 2 mm (.0787") 30° - 2.31 mm (.0909") 45° - 2.3 mm (.0905") 60° 025360 ADS033-E1 927100 ADN033-E2 027100 ADP033-E2 000997 SC033-A1
 2 mm (.0787") 30° - 2.31 mm (.0909") 45° - 2.5 mm (.0984") 60° 022942 ADS034-E1 922937 ADN034-E2 022937 ADP034-E2 012832 SC034-A1	 1.6 mm (.0629") 35° - 1.95 mm (.0767") 45° - 1 mm (.0393") 52° 025341 ADS035-E1 925340 ADN035-E2 025340 ADP035-E2 025006 SC035-A1	 1.6 mm (.0629") 35° - 1.95 mm (.0767") 45° - 1 mm (.0393") 60° 025343 ADS036-E1 925342 ADN036-E2 025342 ADP036-E2 000621 SC036-A1

Cutting bits 45°

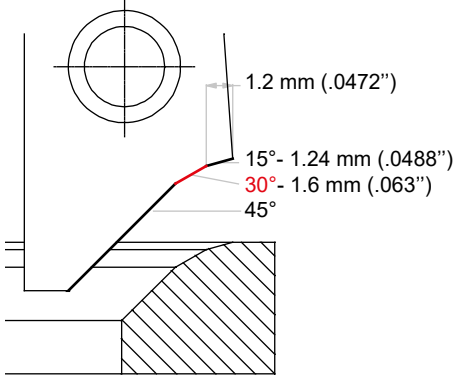
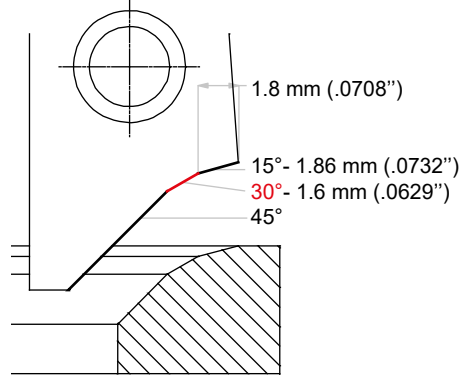
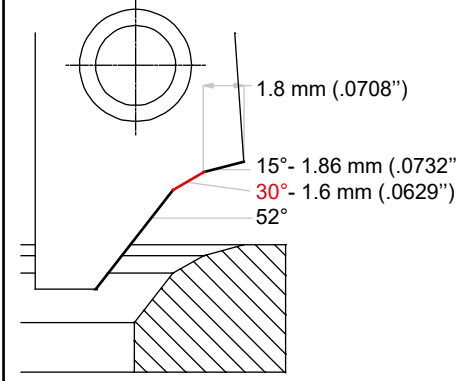
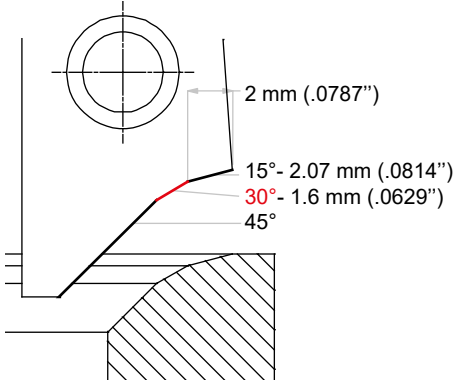
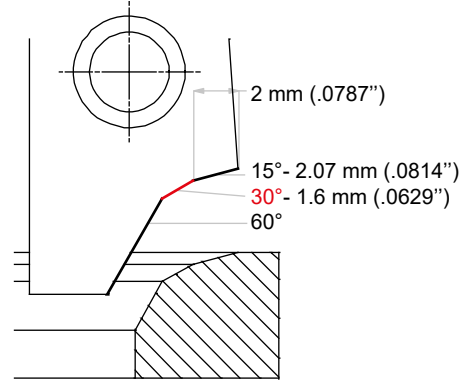
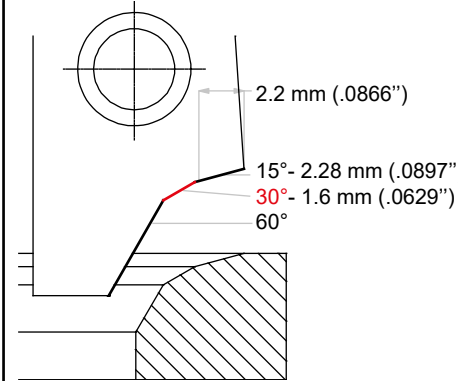
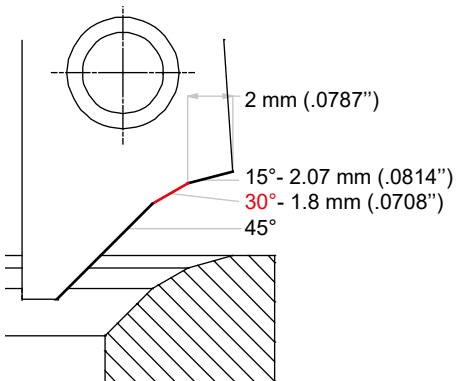
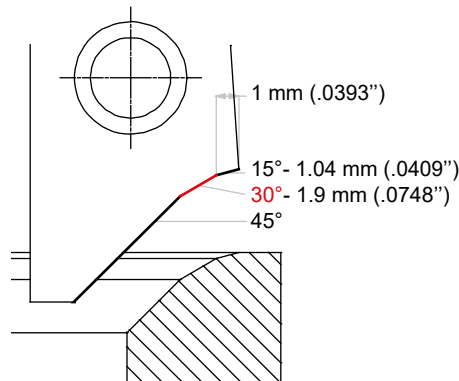
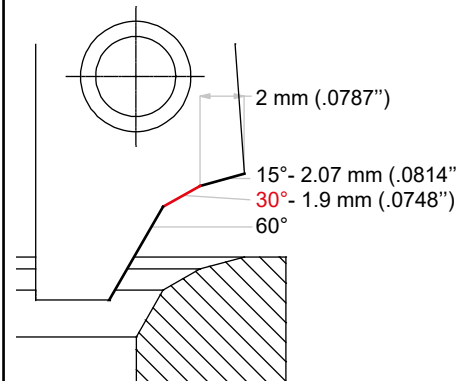
1.4 mm (.0551'') 30°- 1.62 mm (.0637'') 45°- 1.5 mm (.0590'') 60°	2 mm (.0787'') 35°- 2.44 mm (.0960'') 45°- 1.6 mm (.0629'') 55°	2 mm (.0787'') 35°- 2.44 mm (.0960'') 45°- 1.9 mm (.0748'') 55°
022852 ADS037-E1	025347 ADS038-E1	025354 ADS039-E1
922851 ADN037-E2	925346 ADN038-E2	925353 ADN039-E2
022851 ADP037-E2	025346 ADP038-E2	025353 ADP039-E2
008605 SC037-A1	023445 SC038-A1	023457 SC039-A1

Cutting bits 30°

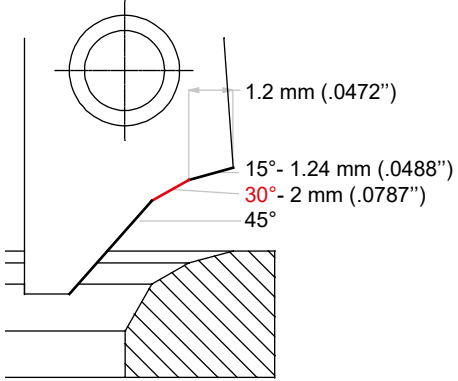
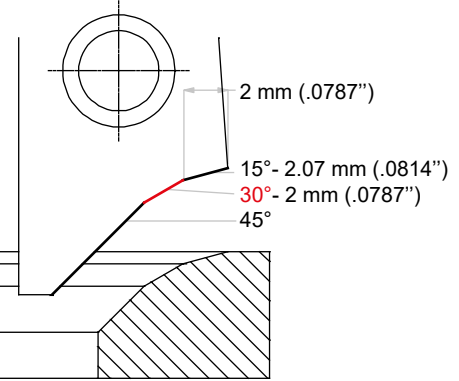
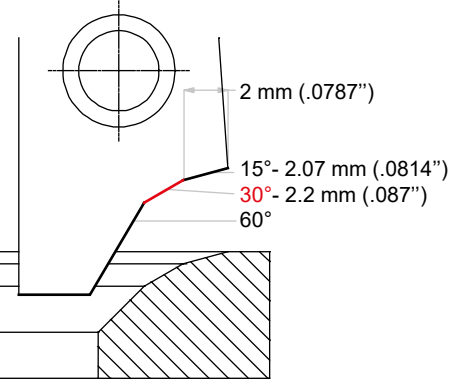
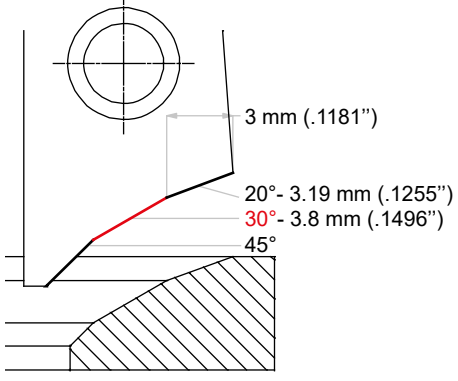
1 mm (.0393'') 15°- 1.04 mm (.0409'') 30°- 1.3 mm (.0511'') 45°	2 mm (.0787'') 15°- 2.07 mm (.0814'') 30°- 1.3 mm (.0511'') 45°	2 mm (.0787'') 15°- 2.07 mm (.0814'') 30°- 1.3 mm (.0511'') 60°
022666 ADS300-E1	022668 ADS301-E1	022670 ADS302-E1
922665 ADN300-E2	922667 ADN301-E2	922669 ADN302-E2
022665 ADP300-E2	022667 ADP301-E2	022669 ADP302-E2
019162 SC300-A1	011648 SC301-A1	019163 SC302-A1

1.4 mm (.0551'') 15°- 1.45 mm (.0570'') 30°- 1.5 mm (.0590'') 45°	1.8 mm (.0708'') 15°- 1.86 mm (.0732'') 30°- 1.5 mm (.0590'') 45°	2 mm (.0787'') 15°- 2.07 mm (.0814'') 30°- 1.5 mm (.0590'') 60°
022676 ADS303-E1	025367 ADS304-E1	025368 ADS305-E1
922673 ADN303-E2	925188 ADN304-E2	927114 ADN305-E2
022673 ADP303-E2	025188 ADP304-E2	027114 ADP305-E2
019164 SC303-A1	000756 SC304-A1	012367 SC305-A1

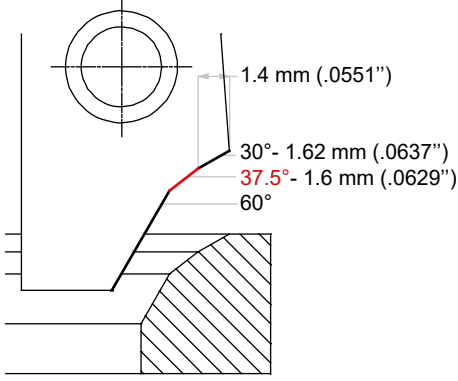
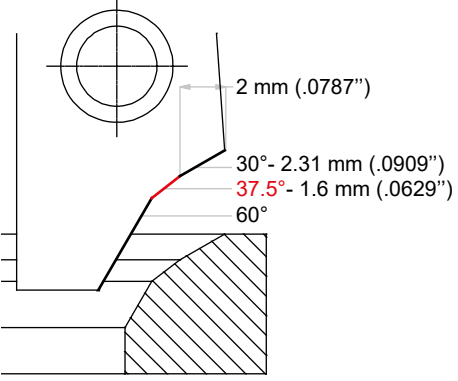
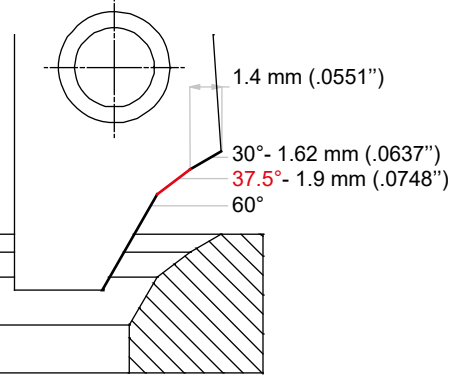
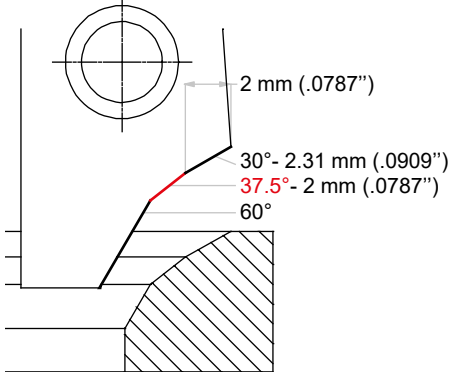
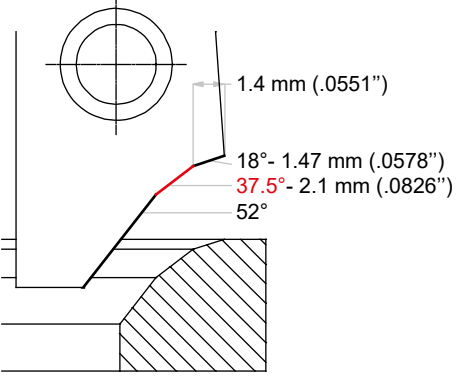
Cutting bits 30°

 1.2 mm (.0472") 15°- 1.24 mm (.0488") 30°- 1.6 mm (.063") 45° 022688 ADS306-E1 922679 ADN306-E2 022679 ADP306-E2 019166 SC306-A1	 1.8 mm (.0708") 15°- 1.86 mm (.0732") 30°- 1.6 mm (.0629") 45° 025369 ADS307-E1 927044 ADN307-E2 027044 ADP307-E2 024903 SC307-A1	 1.8 mm (.0708") 15°- 1.86 mm (.0732") 30°- 1.6 mm (.0629") 52° 022692 ADS308-E1 922687 ADN308-E2 022687 ADP308-E2 000797 SC308-A1
 2 mm (.0787") 15°- 2.07 mm (.0814") 30°- 1.6 mm (.0629") 45° 022694 ADS309-E1 922689 ADN309-E2 022689 ADP309-E2 000800 SC309-A1	 2 mm (.0787") 15°- 2.07 mm (.0814") 30°- 1.6 mm (.0629") 60° 022696 ADS310-E1 922691 ADN310-E2 022691 ADP310-E2 019167 SC310-A1	 2.2 mm (.0866") 15°- 2.28 mm (.0897") 30°- 1.6 mm (.0629") 60° 025371 ADS311-E1 925370 ADN311-E2 025370 ADP311-E2 000279 SC311-A1
 2 mm (.0787") 15°- 2.07 mm (.0814") 30°- 1.8 mm (.0708") 45° 022700 ADS312-E1 922695 ADN312-E2 022695 ADP312-E2 019168 SC312-A1	 1 mm (.0393") 15°- 1.04 mm (.0409") 30°- 1.9 mm (.0748") 45° 022702 ADS313-E1 922697 ADN313-E2 022697 ADP313-E2 000824 SC313-A1	 2 mm (.0787") 15°- 2.07 mm (.0814") 30°- 1.9 mm (.0748") 60° 022708 ADS314-E1 922703 ADN314-E2 022703 ADP314-E2 006256 SC314-A1

Cutting bits 30°

 1.2 mm (.0472") 15° - 1.24 mm (.0488") 30° - 2 mm (.0787") 45° 022710 ADS315-E1 922705 ADN315-E2 022705 ADP315-E2 012833 SC315-A1	 2 mm (.0787") 15° - 2.07 mm (.0814") 30° - 2 mm (.0787") 45° 022716 ADS316-E1 922353 ADN316-E2 022353 ADP316-E2 019169 SC316-A1	 2 mm (.0787") 15° - 2.07 mm (.0814") 30° - 2.2 mm (.087") 60° 022720 ADS317-E1 922711 ADN317-E2 022711 ADP317-E2 019170 SC317-A1
 3 mm (.1181") 20° - 3.19 mm (.1255") 30° - 3.8 mm (.1496") 45° 025372 ADS318-E1 924962 ADN318-E2 024962 ADP318-E2 024925 SC318-A1		

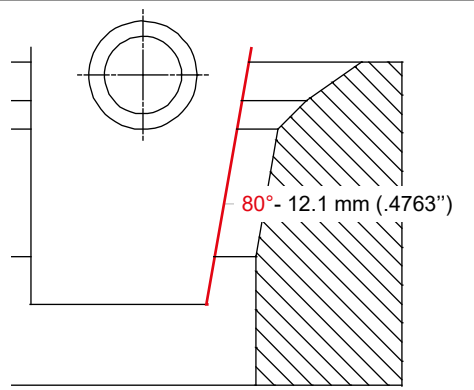
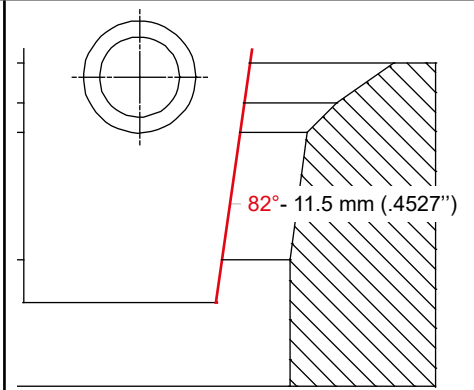
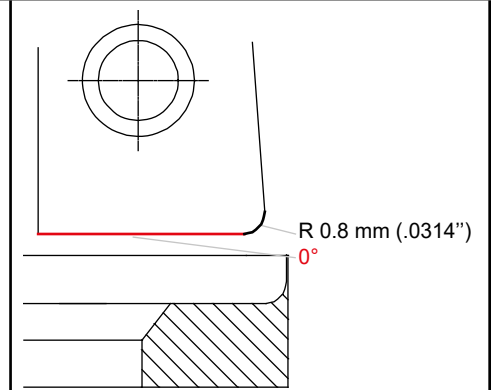
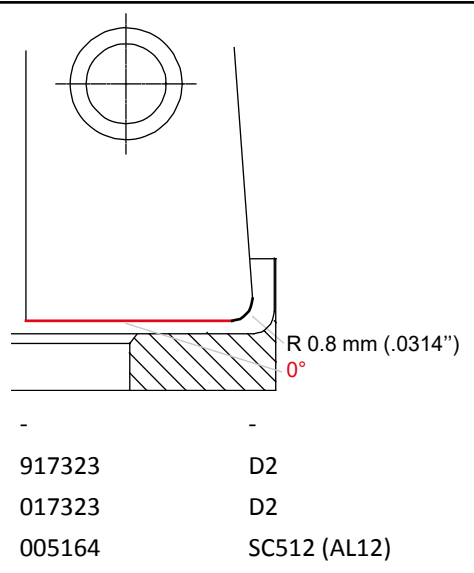
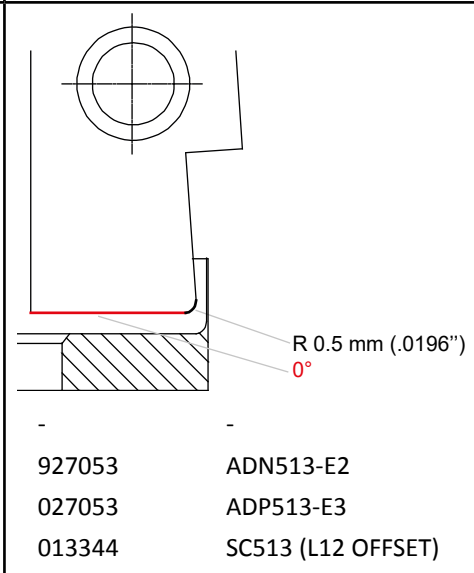
Cutting bits **37.5°**

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 2 mm (.0787") 30° - 2.31 mm (.0909") 37.5° - 2 mm (.0787") 60° 022954 ADS403-E1 922951 ADN403-E2 022951 ADP403-E2 024913 SC403-A1	 1.4 mm (.0551") 18° - 1.47 mm (.0578") 37.5° - 2.1 mm (.0826") 52° 022956 ADS404-E1 922953 ADN404-E2 022953 ADP404-E2 019186 SC404-A1	

Cutting bits **straight seat angles**

	022375 ADS500-E1 921966 ADN500-E2 021966 ADP500-E2 000106 SC500-A1
	022376 ADS501-E1 921967 ADN501-E2 021967 ADP501-E2 025292 SC501-A1
	022378 ADS502-E1 920618 ADN502-E2 020618 ADP502-E2 000593 SC502-A1
	022379 ADS503-E1 920619 ADN503-E2 020619 ADP503-E2 000647 SC503-A1
	022388 ADS504-E1 922389 ADN504-E2 022389 ADP504-E2 019153 SC504-A1
	022394 ADS505-E1 922182 ADN505-E2 022182 ADP505-E2 000865 SC505-A1
	022397 ADS506-E1 922396 ADN506-E2 022396 ADP506-E2 019154 SC506-B1
	022398 ADS507-E1 922185 ADN507-E2 022185 ADP507-E2 000872 SC507-A1
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Cutting bits **straight seat angles**

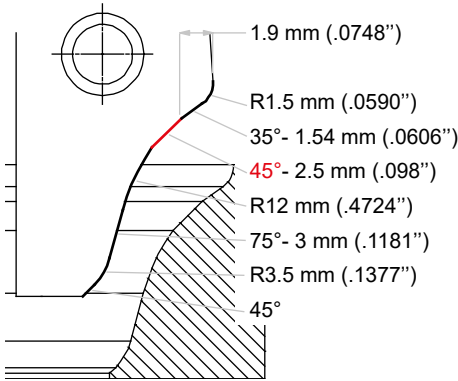
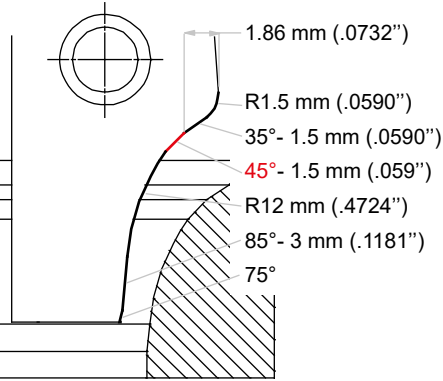
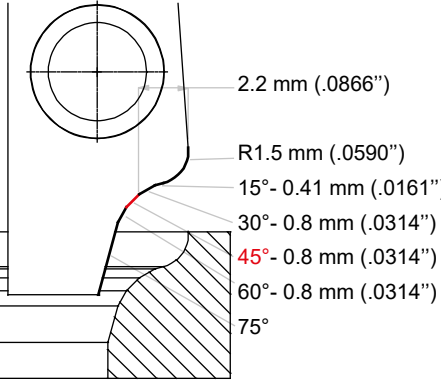
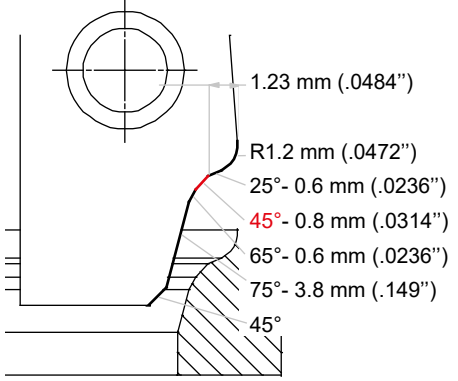
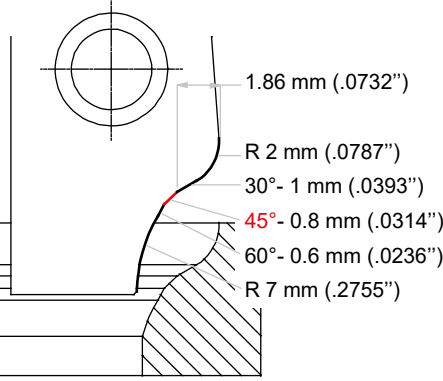
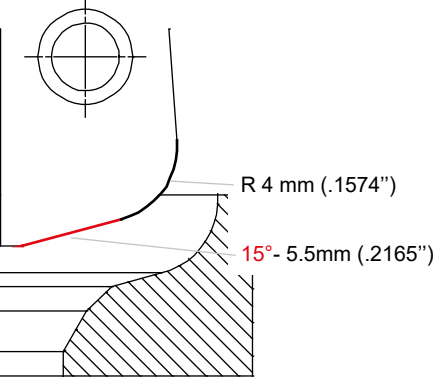
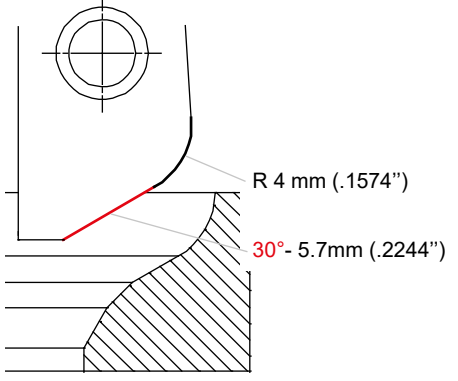
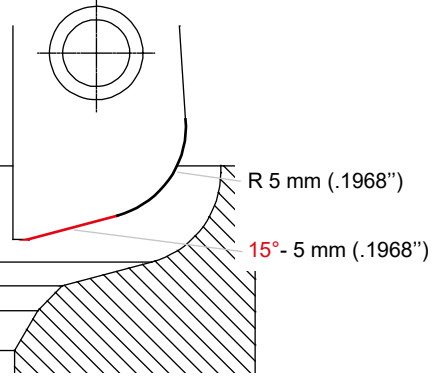
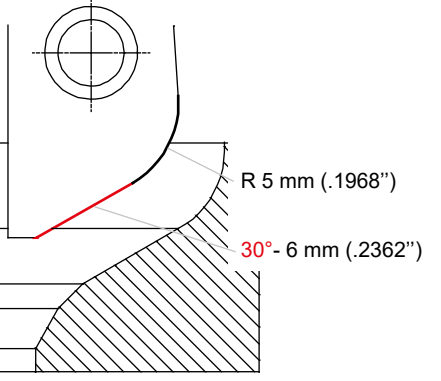
		
022411 ADS509-E1 922412 ADN509-E2 022412 ADP509-E2 025217 SC509-B1	022400 ADS510-E1 923370 ADN510-E3 023370 ADP510-E3 025364 SC510-B1	019584 D1 - - - - 005168 SC511 (AL11)
		
- - 917323 D2 017323 D2 005164 SC512 (AL12)	- - 927053 ADN513-E2 027053 ADP513-E3 013344 SC513 (L12 OFFSET)	



Cutting bits performance seat angles

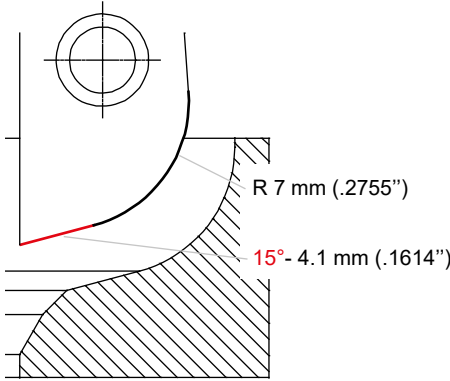
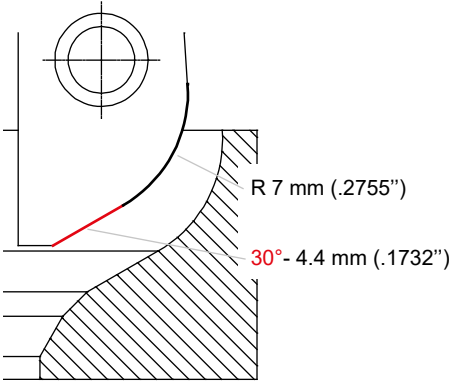
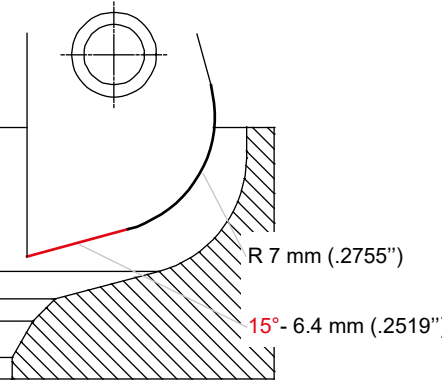
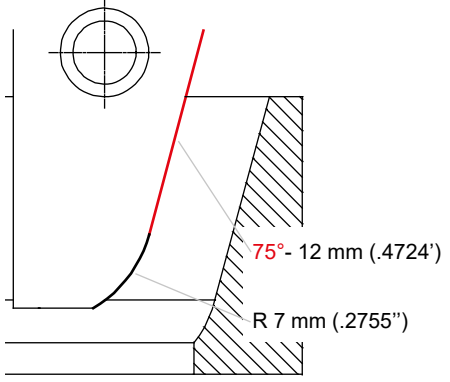
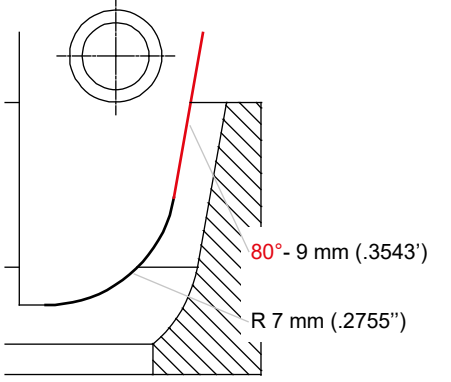
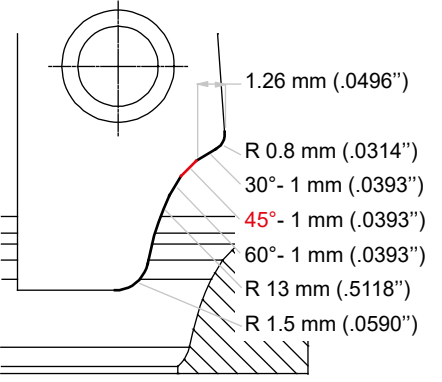
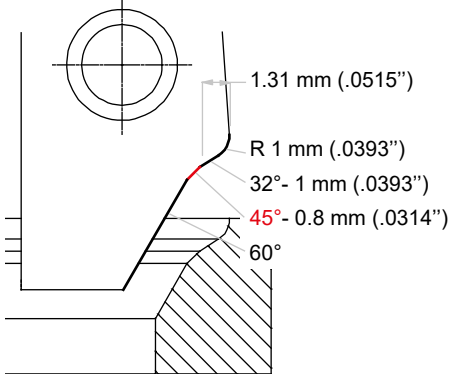
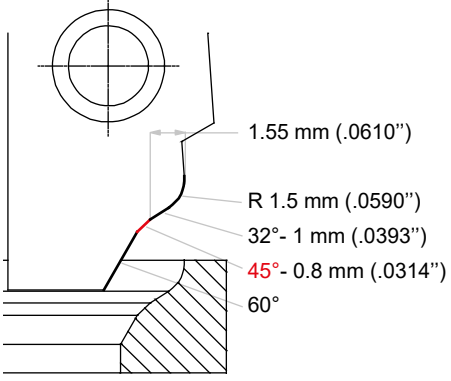
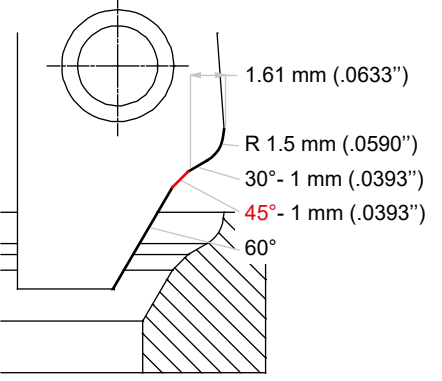
 R2.5 mm (.0984\"/> 38°- 2.4 mm (.0944\"/> 45°- 1 mm (.0393\"/> 60°	 R1 mm (.0393\"/> 35°- 1.3 mm (.0511\"/> 45°- 1 mm (.0393\"/> 60°- 2.5 mm (.0984\"/> 75°	 R1 mm (.0393\"/> 35°- 2 mm (.0787\"/> 45°- 1.3 mm (.0511\"/> 56°
025448 ADS600-E1 924189 ADN600-E2 024189 ADP600-E2 013338 SC600-B1	025459 ADS601-E1 924190 ADN601-E2 024190 ADP601-E2 013342 SC601-B1	025460 ADS602-E1 924191 ADN602-E2 024191 ADP602-E2 013337 SC602-B1
 45°- 6 mm (.2362\"/>	 R2 mm (.0787\"/> 35°- 2.5 mm (.0984\"/> 45°- 1.3 mm (.0511\"/> 60°- 1.7 mm (.0669\"/> 75°- 2.2 mm (.0866\"/> 82°	 35°- 2.56 mm (.1007\"/> 45°- 1 mm (.0393\"/> 55°- 2.5 mm (.0984\"/> 65°- 2.5 mm (.0984\"/> 75°
- 927058 ADN603-E2 027058 ADP603-E3 013343 SC603-B1	- 925463 ADN604-E2 025463 ADP604-E2 013924 SC604-B1	- 925487 ADN605-E2 025487 ADP605-E2 013332 SC605-B2
 40°- 2.5 mm (.0984\"/> 45°- 1.3 mm (.0511\"/> 55°- 2.5 mm (.0984\"/> 65°- 2.5 mm (.0984\"/> 75°	 R1.5 mm (.0590\"/> 35°- 1.5 mm (.0590\"/> 45°- 1.5 mm (.0590\"/> R12 mm (.4724\"/> 75°- 3 mm (.1181\"/> R3.5 mm (.1377\"/> 45°	 R1.5 mm (.0590\"/> 35°- 1.54 mm (.0606\"/> 45°- 1 mm (.0393\"/> R12 mm (.4724\"/> 75°- 3 mm (.1181\"/> R3.5 mm (.1377\"/> 45°
- 927021 ADN606-E2 027021 ADP606-E2 001318 SC606-B1	026069 ADS607-E1 921301 ADN607-E2 021301 ADP607-E2 013327 SC607-B1	026070 ADS608-E1 921302 ADN608-E2 021302 ADP608-E2 019205 SC608-B1

Cutting bits performance seat angles

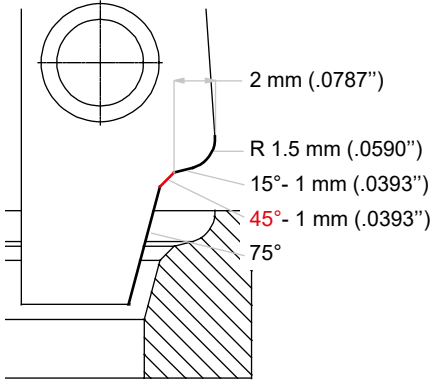
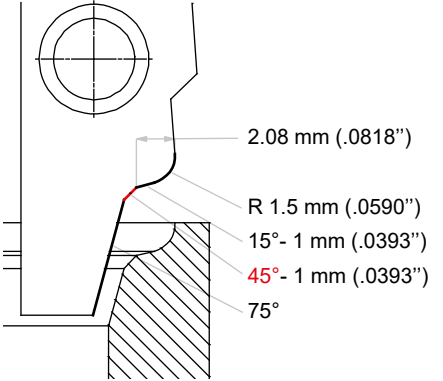
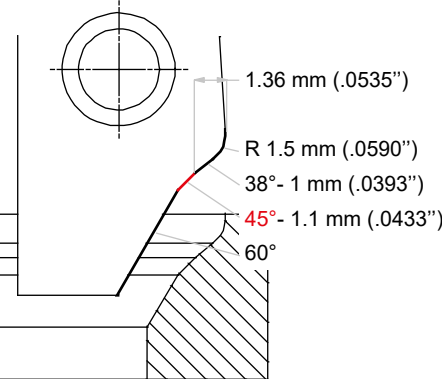
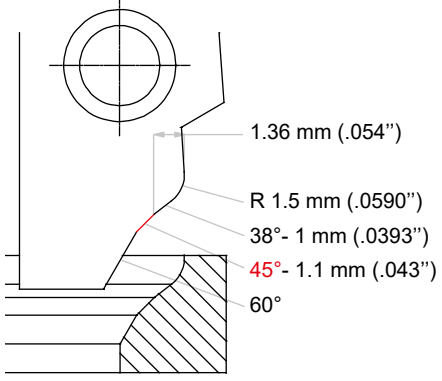
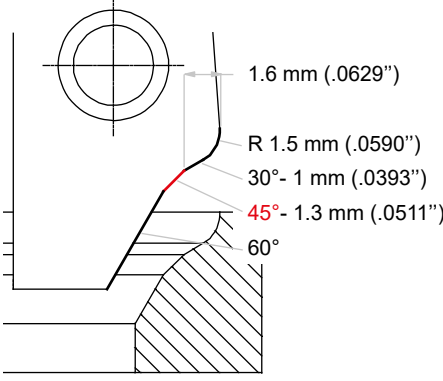
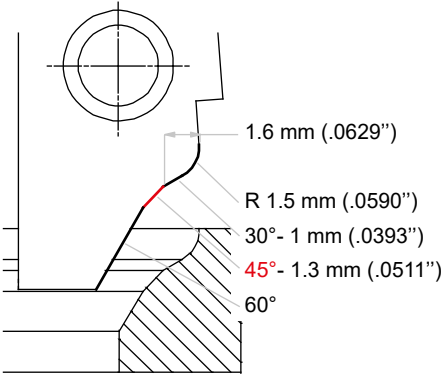
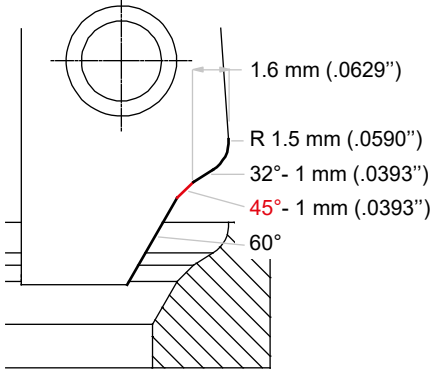
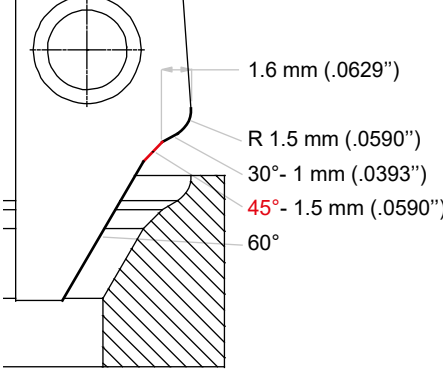
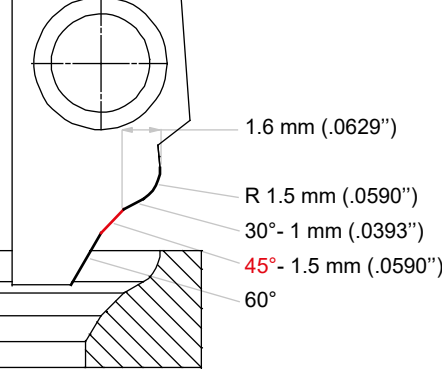
 1.9 mm (.0748") R1.5 mm (.0590") 35° - 1.54 mm (.0606") 45° - 2.5 mm (.098") R12 mm (.4724") 75° - 3 mm (.1181") R3.5 mm (.1377") 45° - 925489 ADN609-E2 025489 ADP609-E2 025219 SC609-B1	 1.86 mm (.0732") R1.5 mm (.0590") 35° - 1.5 mm (.0590") 45° - 1.5 mm (.059") R12 mm (.4724") 85° - 3 mm (.1181") 75° - 927023 ADN610-E3 027023 ADP610-E3 013923 SC610-B1	 2.2 mm (.0866") R1.5 mm (.0590") 15° - 0.41 mm (.0161") 30° - 0.8 mm (.0314") 45° - 0.8 mm (.0314") 60° - 0.8 mm (.0314") 75° 022270 ADS611-E1 927075 ADN611-E2 027075 ADP611-E2 013925 SC611-A1
 1.23 mm (.0484") R1.2 mm (.0472") 25° - 0.6 mm (.0236") 45° - 0.8 mm (.0314") 65° - 0.6 mm (.0236") 75° - 3.8 mm (.149") 45° 026284 ADS612-E1 925464 ADN612-E2 025464 ADP612-E2 024938 SC612-A1	 1.86 mm (.0732") R 2 mm (.0787") 30° - 1 mm (.0393") 45° - 0.8 mm (.0314") 60° - 0.6 mm (.0236") R 7 mm (.2755") 022272 ADS613-E1 925465 ADN613-E2 025465 ADP613-E2 009806 SC613-A1	 R 4 mm (.1574") 15° - 5.5mm (.2165") 022439 ADS614-E1 922440 ADN614-E2 022440 ADP614-E2 012835 SC614-A1
 R 4 mm (.1574") 30° - 5.7mm (.2244") 022450 ADS615-E1 922482 ADN615-E2 022482 ADP615-E2 019157 SC615-A1	 R 5 mm (.1968") 15° - 5 mm (.1968") 025365 ADS616-E1 925366 ADN616-E2 027113 ADP616-E2 025200 SC616-A1	 R 5 mm (.1968") 30° - 6 mm (.2362") 022483 ADS617-E1 922484 ADN617-E2 022484 ADP617-E2 019158 SC617-A1



Cutting bits performance seat angles

 R 7 mm (.2755") 15° - 4.1 mm (.1614") 022437 ADS618-E1 922438 ADN618-E2 022438 ADP618-E2 019155 SC618-A1	 R 7 mm (.2755") 30° - 4.4 mm (.1732") 022447 ADS619-E1 922449 ADN619-E2 022449 ADP619-E2 019156 SC619-A1	 R 7 mm (.2755") 15° - 6.4 mm (.2519") - - 922442 ADN620-E3 022442 ADP620-E3 013328 SC620-B1
 75° - 12 mm (.4724") R 7 mm (.2755") 026283 ADS621-E1 922499 ADN621-E3 022499 ADP621-E3 009225 SC621-B1	 80° - 9 mm (.3543") R 7 mm (.2755") 025080 ADS622-E1 922522 ADN622-E3 022522 ADP622-E3 013926 SC622-B1	 1.26 mm (.0496") R 0.8 mm (.0314") 30° - 1 mm (.0393") 45° - 1 mm (.0393") 60° - 1 mm (.0393") R 13 mm (.5118") R 1.5 mm (.0590") 025001 ADS623-E1 923369 ADN623-E2 023369 ADP623-E2 012834 SC623-A1
 1.31 mm (.0515") R 1 mm (.0393") 32° - 1 mm (.0393") 45° - 0.8 mm (.0314") 60° 026282 ADS624-E1 927024 ADN624-E2 027024 ADP624-E2 019523 SC624-A1	 1.55 mm (.0610") R 1.5 mm (.0590") 32° - 1 mm (.0393") 45° - 0.8 mm (.0314") 60° 026028 ADS625-E1 927012 ADN625-E2 027012 ADP625-E2 025192 SC625-A2	 1.61 mm (.0633") R 1.5 mm (.0590") 30° - 1 mm (.0393") 45° - 1 mm (.0393") 60° 023049 ADS626-E1 924016 ADN626-E2 024016 ADP626-E2 001260 SC626-A1

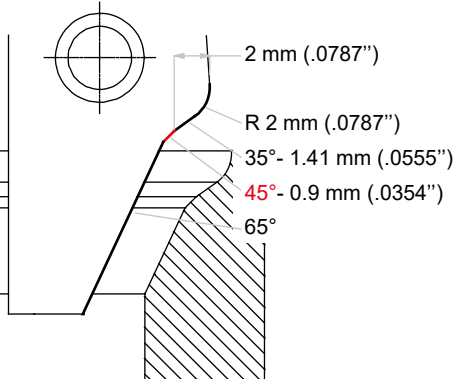
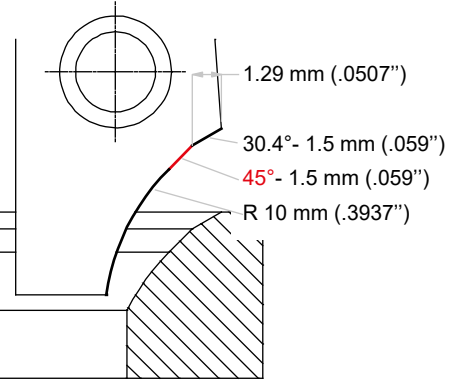
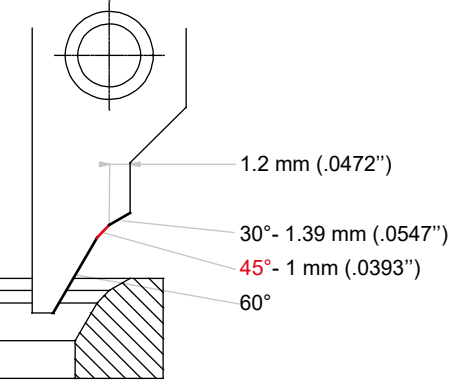
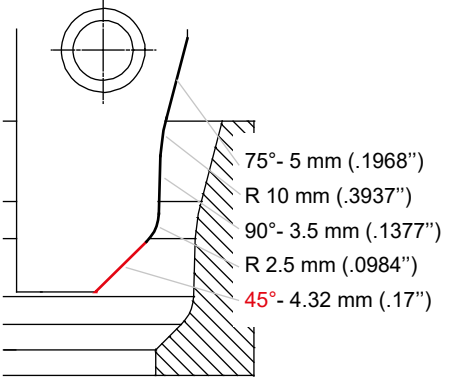
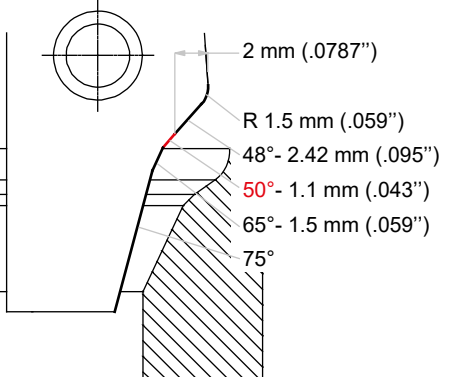
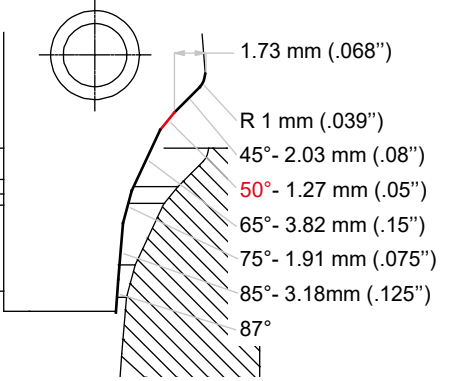
Cutting bits performance seat angles

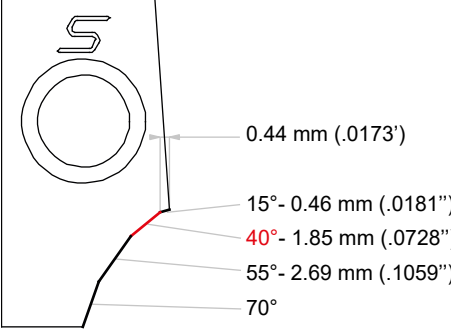
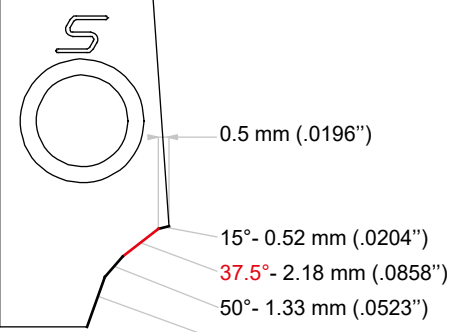
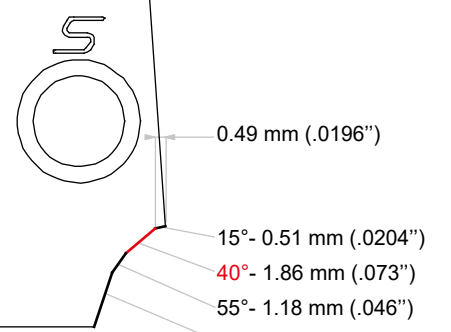
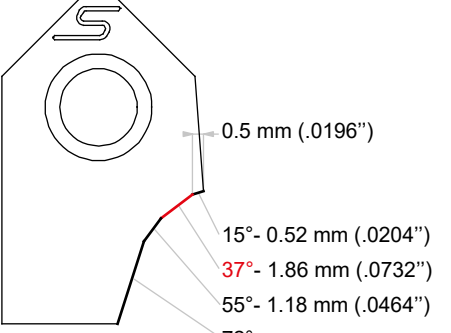
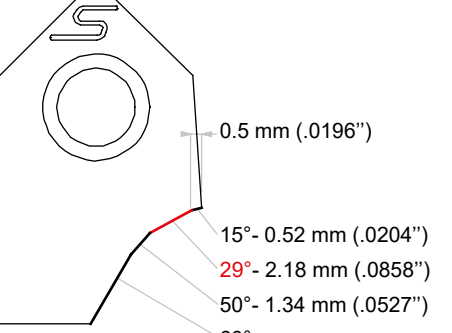
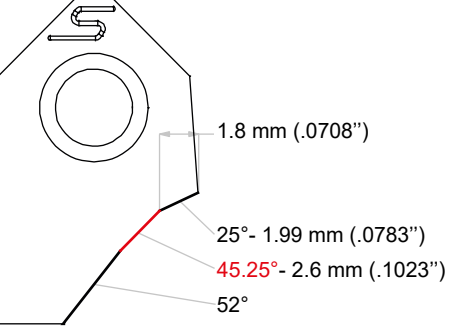
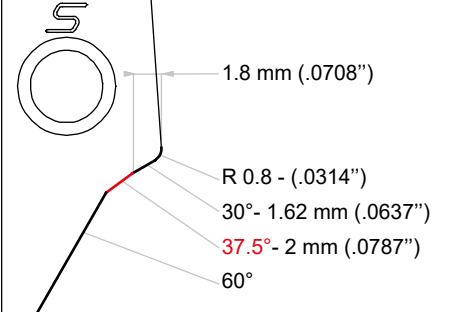
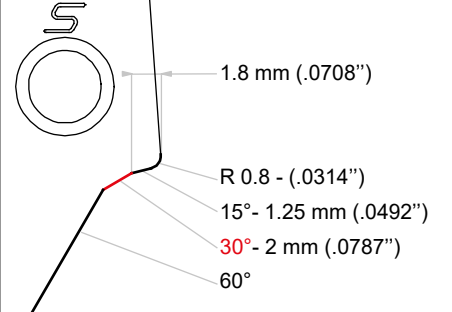
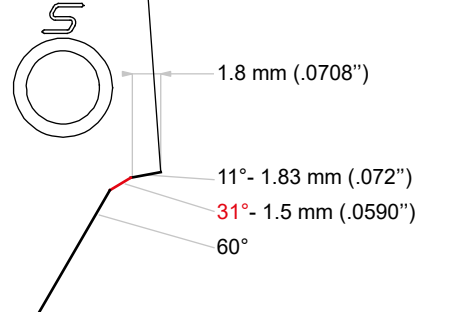
 2 mm (.0787") R 1.5 mm (.0590") 15° - 1 mm (.0393") 45° - 1 mm (.0393") 75° 025468 ADS627-E1 925469 ADN627-E2 025469 ADP627-E2 014887 SC627-A1	 2.08 mm (.0818") R 1.5 mm (.0590") 15° - 1 mm (.0393") 45° - 1 mm (.0393") 75° 026031 ADS628-E1 927031 ADN628-E2 027031 ADP628-E2 025220 SC628-A2	 1.36 mm (.0535") R 1.5 mm (.0590") 38° - 1 mm (.0393") 45° - 1.1 mm (.0433") 60° 025083 ADS629-E1 927128 ADN629-E2 027128 ADP629-E2 024943 SC629-A1
 1.36 mm (.054") R 1.5 mm (.0590") 38° - 1 mm (.0393") 45° - 1.1 mm (.043") 60° 026257 ADS630-E1 927118 ADN630-E2 027118 ADP630-E2 024901 SC630-A2	 1.6 mm (.0629") R 1.5 mm (.0590") 30° - 1 mm (.0393") 45° - 1.3 mm (.0511") 60° 025089 ADS631-E1 925471 ADN631-E2 025471 ADP631-E2 025490 SC631-A1	 1.6 mm (.0629") R 1.5 mm (.0590") 30° - 1 mm (.0393") 45° - 1.3 mm (.0511") 60° 025420 ADS632-E1 925473 ADN632-E2 025473 ADP632-E2 021857 SC632-A2
 1.6 mm (.0629") R 1.5 mm (.0590") 32° - 1 mm (.0393") 45° - 1 mm (.0393") 60° 026258 ADS633-E1 927064 ADN633-E2 027064 ADP633-E2 025474 SC633-A1	 1.6 mm (.0629") R 1.5 mm (.0590") 30° - 1 mm (.0393") 45° - 1.5 mm (.0590") 60° 025476 ADS634-E1 925477 ADN634-E2 025477 ADP634-E2 009474 SC634-A1	 1.6 mm (.0629") R 1.5 mm (.0590") 30° - 1 mm (.0393") 45° - 1.5 mm (.0590") 60° 025184 ADS635-E1 925478 ADN635-E2 025478 ADP635-E2 021859 SC635-A2

Cutting bits performance seat angles

 026194 ADS637-E1 927106 ADN637-E2 027106 ADP637-E2 024615 SC637-A2	 025479 ADS638-E1 925249 ADN638-E2 025249 ADP638-E2 021860 SC638-A1	 025480 ADS639-E1 927089 ADN639-E2 027089 ADP639-E2 021858 SC639-A2
 025481 ADS640-E1 927025 ADN640-E2 027025 ADP640-E2 025081 SC640-A1	 026032 ADS641-E1 927033 ADN641-E2 027033 ADP641-E2 021861 SC641-A2	 025483 ADS642-E1 927076 ADN642-E2 027076 ADP642-E2 028015 SC642-A1
 026033 ADS643-E1 927034 ADN643-E2 027034 ADP643-E2 025221 SC643-A2	 - 927115 ADN644-E2 027115 ADP644-E2 022129 SC644-B1	 025000 ADS645-E1 927130 ADN645-E2 027130 ADP645-E2 022130 SC645-A1

Cutting bits performance seat angles

 2 mm (.0787") R 2 mm (.0787") 35°- 1.41 mm (.0555") 45°- 0.9 mm (.0354") 65° 025493 ADS646-E1 925494 ADN646-E2 025494 ADP646-E2 024986 SC646-B1	 1.29 mm (.0507") 30.4°- 1.5 mm (.059") 45°- 1.5 mm (.059") R 10 mm (.3937") - - 925691 ADN647-E2 025691 ADP647-E2 025222 SC647-A1	 1.2 mm (.0472") 30°- 1.39 mm (.0547") 45°- 1 mm (.0393") 60° 027998 ADS648-E1 927999 ADN648-E2 027999 ADP648-E2 013378 SC648-B4
 75°- 5 mm (.1968") R 10 mm (.3937") 90°- 3.5 mm (.1377") R 2.5 mm (.0984") 45°- 4.32 mm (.17") - - 924192 ADN649-E3 024192 ADP649-E3 023437 SC649-B3	 2 mm (.0787") R 1.5 mm (.059") 48°- 2.42 mm (.095") 50°- 1.1 mm (.043") 65°- 1.5 mm (.059") 75° - - 035013 SC650-B1	 1.73 mm (.068") R 1 mm (.039") 45°- 2.03 mm (.08") 50°- 1.27 mm (.05") 65°- 3.82 mm (.15") 75°- 1.91 mm (.075") 85°- 3.18mm (.125") 87° - - 035014 SC651-B1

 0.44 mm (.0173") 15° - 0.46 mm (.0181") 40° - 1.85 mm (.0728") 55° - 2.69 mm (.1059") 70° 032228-E1	 0.5 mm (.0196") 15° - 0.52 mm (.0204") 37.5° - 2.18 mm (.0858") 50° - 1.33 mm (.0523") 70° 031233-E1	 0.49 mm (.0196") 15° - 0.51 mm (.0204") 40° - 1.86 mm (.073") 55° - 1.18 mm (.046") 72° 031234 - E1
 0.5 mm (.0196") 15° - 0.52 mm (.0204") 37° - 1.86 mm (.0732") 55° - 1.18 mm (.0464") 72° 030107-A1	 0.5 mm (.0196") 15° - 0.52 mm (.0204") 29° - 2.18 mm (.0858") 50° - 1.34 mm (.0527") 60° 030109-A1	 1.8 mm (.0708") 25° - 1.99 mm (.0783") 45.25° - 2.6 mm (.1023") 52° 024905-A1
 1.8 mm (.0708") R 0.8 - (.0314") 30° - 1.62 mm (.0637") 37.5° - 2 mm (.0787") 60° 927110-E2	 1.8 mm (.0708") R 0.8 - (.0314") 15° - 1.25 mm (.0492") 30° - 2 mm (.0787") 60° 927111-E2	 1.8 mm (.0708") 11° - 1.83 mm (.072") 31° - 1.5 mm (.0590") 60° 928744 -E2

Installation / removal of seat and guides

026135 Collet set with wrenches



014903	32 CHO Collet Holder	028478	11 /32" Collet Set
CC-M1240	Collet Wrench 1-1/4	028479	3/8" Collet Set
CC-M1248	Collet Wrench 1-1/2	028480	7 /16" Collet Set
028473	1/16" Collet Set	028481	1/2" Collet Set
028474	1/8" Collet Set	028482	9/16" Collet Set
028475	3/16" Collet Set	028483	5/8" Collet Set
028476	1/4" Collet Set	028484	11 /16" Collet Set
028477	5/16" Collet Set	028485	3/4" Collet Set

Adapt any industrial tooling to the SERDI machines for **more job variety** while keeping the **precision!**

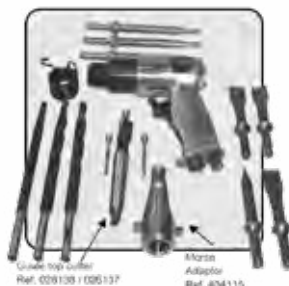
CDR Core Drill Reamers



	5/16"x1/2 Core Drill Reamer	9/16"x3/8" Core Drill Reamer
026097	7/16"x5/16" Core Drill Reamer	5/8"x1/2" Core Drill Reamer
026098	1/2"x11/32" Core Drill Reamer	5/8"x7/16" Core Drill Reamer
026099	1/2"x3/8" Core Drill Reamer	.275"x7/16" Cummins 24 V engine
	9/16"x11/32" Core Drill Reamer	.275" x 1/2" Core Drill Reamer

Combination of a core drill and a reamer to save time and money as it reduces the number of tools you need!

Kit 177 Guide Installation with collet set



026097	Combination Core drill-reamer (7/16» X 5/16»)	026142	Guide pilot (5/16»)
026098	Combination Core drill-reamer (1/2» X 11/32»)	026143	Guide pilot (11/32»)
026099	Combination Core drill-reamer (1/2» X 3/8»)	026144	Guide pilot (3/8»)
026136	Air hammer	014056	Allen screwdriver 1.5mm
026139	Spot facer pilot (5/16"")		
026140	Spot facer pilot (11 /32»)		
026141	Spot facer pilot (3/8»)		

Kit 177 Guide Installation without collet set

026137 Guide top cutter spot facer pilots with cone morse #2 (**To be added to the kit if you do not have a collet set**)

404115 Morse adapter (To be added to the kit)

Install ANY guide diameters on your cylinder head! Includes different core drill-reamer sizes to fit your cylinder head specifications.

Kit 178 Seat Inserts Installation



014992	Seat body driver	014993	6mm pilot for seat driver (.2335 - .2345)
014999	Seat driver 1.040" x .980"	014995	7mm pilot for seat driver (.2735 - .2745)
015000	Seat driver 1" 1/8 X 1" 1/4	200192	7.9mm pilot for seat driver (.3100- .311 0)
015001	Seat driver 1" 3/8 X 1" 1/2	014996	8mm pilot for seat driver (.3125 - .3135)
015002	Seat driver 1" 5/8 X 1" 3/4	200193	8.73mm pilot for seat driver (.341 0- .3420)
015003	Seat driver 1" 7/8 X 2"	200194	9.52mm pilot for seat driver (.3710- .3720)
015004	Seat driver 2" 1/8 X 2" 1/4		

Install most seat diameters on your cylinder head FASTER. Includes different pilot and seat driver sizes to **fit your cylinder head** specifications. With this kit, **Chrome or Nickel** inserts can be installed.

Indexable milling heads cutters

Save money now with our **NEW 4 sided Replaceable Carbide Inserts** that yield four times the life of a single sided inserts!



to Ø 60
(increment of 1 mm)

Standard Milling Heads

22-C4125	Ø 1 - 1/4" indexable milling head
22-C4131	Ø 1 - 5/16" indexable milling head
22-C4137	Ø 1 - 3/8" indexable milling head
22-C4143	Ø 1 - 7/16" indexable milling head
22-C4150	Ø 1 - 1/2" indexable milling head
22-C4156	Ø 1 - 9/16" indexable milling head
22-C4162	Ø 1 - 5/8" indexable milling head
22-C4168	Ø 1 - 11/16" indexable milling head
22-C4175	Ø 1 - 3/4" indexable milling head
22-C4181	Ø 1 - 13/16" indexable milling head
22-C4187	Ø 1 - 7/8" indexable milling head

22-C4193	Ø 1 - 15/16" indexable milling head
22-C4200	Ø 2" indexable milling head
22-C4206	Ø 2 - 1/16" indexable milling head
22-C4212	Ø 2 - 1/8" indexable milling head
22-C4218	Ø 2 - 3/16" indexable milling head
22-C4225	Ø 2 - 1/4" indexable milling head
22-C4231	Ø 2 - 5/16" indexable milling head
22-C4237	Ø 2 - 3/8" indexable milling head
22-C4243	Ø 2 - 7/16" indexable milling head
22-C4250	Ø 2 - 1/2" indexable milling head

Standard Kit 179 - 12 indexable milling heads

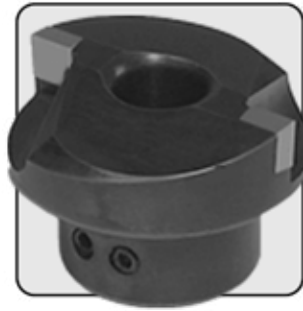
22-C4125	Ø 1 - 1/4" indexable milling head
22-C4131	Ø 1 - 5/16" indexable milling head
22-C4137	Ø 1 - 3/8" indexable milling head
22-C4143	Ø 1 - 7/16" indexable milling head
22-C4150	Ø 1 - 1/2" indexable milling head
22-C4156	Ø 1 - 9/16" indexable milling head
22-C4162	Ø 1 - 5/8" indexable milling head
22-C4168	Ø 1 - 11/16" indexable milling head
22-C4175	1 - 3/4" indexable milling head
22-C4181	1 - 13/16" indexable milling head
22-C4187	1 - 7/8" indexable milling head
22-C4193	1 - 15/16" indexable milling head

Deluxe Kit 180 - 14 indexable milling heads

22-C4137	1 - 3/8" indexable milling head
22-C4143	1 - 7/16" indexable milling head
22-C4150	1 - 1/2" indexable milling head
22-C4156	1 - 9/16" indexable milling head
22-C4162	1 - 5/8" indexable milling head
22-C4168	1 - 11/16" indexable milling head
22-C4175	1 - 3/4" indexable milling head
22-C4181	1 - 13/16" indexable milling head
22-C4187	1 - 7/8" indexable milling head
22-C4193	1 - 15/16" indexable milling head
22-C4200	2" indexable milling head
22-C4206	2 - 1/16" indexable milling head
22-C4212	2 - 1/8" indexable milling head
22-C4218	2 - 3/16" indexable milling head
580050	Allen driver 5 mm
001799	Square (.588"x.588"x1.56")

Brazed milling heads cutters

Great concentricity and reduced effort during machining.



Available as well
in metric sizes:
**from Ø20 mm
to Ø 62 mm,**
(increment of 1 mm)

Standard Milling Heads

001694	Ø 1" brazed milling head	001703	Ø 1 - 3/4" brazed milling head
001695	Ø 1 - 1/16" brazed milling head	001700	Ø 1 - 13/16" brazed milling head
001698	Ø 1 - 1/8" brazed milling head	001708	Ø 1 - 7/8" brazed milling head
001702	Ø 1 - 3/16" brazed milling head	001701	Ø 1 - 15/16" brazed milling head
001697	Ø 1 - 1/4" brazed milling head	001710	Ø 2" brazed milling head
001705	Ø 1 - 5/16" brazed milling head	001711	Ø 2 - 1/16" brazed milling head
001704	Ø 1 - 3/8" brazed milling head	001714	Ø 2 - 1/8" brazed milling head
001707	Ø 1 - 7/16" brazed milling head	001715	Ø 2 - 3/16" brazed milling head
001696	Ø 1 - 1/2" brazed milling head	001713	Ø 2 - 1/4" brazed milling head
001709	Ø 1 - 9/16" brazed milling head	001717	2 Ø - 5/16" brazed milling head
001706	Ø 1 - 5/8" brazed milling head	001716	Ø 2 - 3/8" brazed milling head
001699	Ø 1 - 11/16" brazed milling head	001712	Ø 2 - 1/2" brazed milling head

Standard Kit 181 - 8 brazed milling heads

001709	Ø 1 - 9/16" brazed milling head
001706	Ø 1 - 5/8" brazed milling head
001699	Ø 1 - 11/16" brazed milling head
001703	Ø 1 - 3/4" brazed milling head
001700	Ø 1 - 13/16" brazed milling head
001708	Ø 1 - 7/8" brazed milling head
001701	Ø 1 - 15/16" brazed milling head
001710	Ø 2" brazed milling head
580050	Allen driver 5 mm
001799	Square (.588"x.588"x1.56")

Deluxe Kit 182 - 14 brazed milling heads

001704	Ø 1 - 3/8" brazed milling head
001707	Ø 1 - 7/16" brazed milling head
001696	Ø 1 - 1/2" brazed milling head
001709	Ø 1 - 9/16" brazed milling head
001706	Ø 1 - 5/8" brazed milling head
001699	Ø 1 - 11/16" brazed milling head
001703	Ø 1 - 3/4" brazed milling head
001700	Ø 1 - 13/16" brazed milling head
001708	Ø 1 - 7/8" brazed milling head
001701	Ø 1 - 15/16" brazed milling head
001710	Ø 2" brazed milling head
001711	Ø 2 - 1/16" brazed milling head
001714	Ø 2 - 1/8" brazed milling head
001715	Ø 2 - 3/16" brazed milling head
580050	Allen driver 5 mm
001799	Square (.588"x.588"x1.56")

Carbide pilots

Pilots are made of **Tungsten Carbide** to offer **durability** and allow the **best machining quality and precision** in the market! Guaranteed unmatched centering accuracy.

100% compatible with all competitors' machines.

- **Standard Overall Length:** 7.480" /190mm for any type of guides.
- **Optional Overall Length:** 8.858" /225mm, 9.843" /250mm, 11.811" /300mm.
- **Standard Shank Diameter:** 0.375" /9.52mm for any type of guides.
- **Optional Shank Diameter:** 0.787" /20 mm for a better rigidity in large guides.

For any special pilots order, please contact SERDI Sales Department at 1 800 447 3790.



12 Domestic Automotive Pilots Kit	12 Import Automotive Pilots Kit:	8 Diesel Pilots Kit:	17 Japanese Motorcycle Pilots Kit:	11 Harley-Davidson Pilots Kit:
0.3106" (7.89mm)	0.2157" (5.48mm)	0.2496" (6.34mm)	0.1571" (3.99mm)	0.3106" (7.89mm)
0.3114" (7.91mm)	0.2165" (5.50mm)	0.2504" (6.36mm)	0.1575" (4.00mm)	0.3110" (7.90mm)
0.3122" (7.93mm)	0.2591" (6.58mm)	0.4362" (11.08mm)	0.1768" (4.49mm)	0.3118" (7.92mm)
0.3169" (8.05mm)	0.2598" (6.60mm)	0.4370" (11.10mm)	0.1772" (4.50mm)	0.3413" (8.67mm)
0.3173" (8.06mm)	0.2748" (6.98mm)	0.4516" (11.47mm)	0.1965" (4.99mm)	0.3421" (8.69mm)
0.3421" (8.69mm)	0.2756" (7.00mm)	0.4524" (11.49mm)	0.1969" (5.00mm)	0.3429" (8.71mm)
0.3425" (8.70mm)	0.3142" (7.98mm)	0.4992" (12.68mm)	0.2157" (5.48mm)	0.3760" (9.55mm)
0.3429" (8.71mm)	0.3150" (8.00mm)	0.5000" (12.70mm)	0.2161" (5.49mm)	0.3768" (9.57mm)
0.3720" (9.45mm)	0.3154" (8.01 mm)		0.2165" (5.50mm)	0.3776" (9.59mm)
0.3728" (9.47mm)	0.3161" (8.03mm)		0.2358" (5.99mm)	0.3783" (9.61mm)
0.3736" (9.49mm)	0.3535" (8.98mm)		0.2362" (6.00mm)	0.3791" (9.63mm)
0.3744" (9.51mm)	0.3543" (9.00mm)		0.2594" (6.59mm)	
			0.2598" (6.60mm)	
			0.2752" (6.99mm)	
			0.2756" (7.00mm)	
			0.3146" (7.99mm)	
			0.3150" (8.00mm)	

*not applicable with any other offer

Carbide pilots chart

- stock
- non-stock

mm		inch		mm		inch		mm		inch		mm		inch		mm		inch		mm		inch	
3.50	0.1378	4.41	0.1737	4.98	0.1961	5.55	0.2185	6.12	0.2410	6.69	0.2634	7.80	0.3071	8.68	0.3417	9.84	0.3874	...	...				
3.51	0.1382	4.42	0.1741	4.99	0.1965	5.56	0.2189	6.13	0.2413	6.70	0.2638	7.81	0.3075	8.69	0.3421	9.85	0.3878	12.60	0.4961				
3.52	0.1386	4.43	0.1745	5.00	0.1969	5.57	0.2193	6.14	0.2417	6.71	0.2642	7.82	0.3079	8.70	0.3425	9.86	0.3882	12.61	0.4965				
3.53	0.1390	4.44	0.1748	5.01	0.1972	5.58	0.2197	6.15	0.2421	6.72	0.2646	7.83	0.3083	8.71	0.3429	9.87	0.3886	12.62	0.4969				
3.54	0.1394	4.45	0.1752	5.02	0.1976	5.59	0.2201	6.16	0.2425	6.73	0.2650	7.84	0.3087	8.72	0.3433	9.88	0.3890	12.63	0.4972				
3.55	0.1398	4.46	0.1756	5.03	0.1980	5.60	0.2205	6.17	0.2429	6.74	0.2654	7.85	0.3091	8.73	0.3437	9.89	0.3894	12.64	0.4976				
3.56	0.1402	4.47	0.1760	5.04	0.1984	5.61	0.2209	6.18	0.2433	6.75	0.2658	7.86	0.3095	8.74	0.3441	9.90	0.3898	12.65	0.4980				
3.57	0.1406	4.48	0.1764	5.05	0.1988	5.62	0.2213	6.19	0.2437	6.76	0.2662	7.87	0.3099	8.75	0.3445	9.91	0.3902	12.66	0.4984				
3.58	0.1409	4.49	0.1768	5.06	0.1992	5.63	0.2217	6.20	0.2441	6.77	0.2666	7.88	0.3103	8.76	0.3449	9.92	0.3906	12.67	0.4988				
3.59	0.1413	4.50	0.1772	5.07	0.1996	5.64	0.2221	6.21	0.2445	6.78	0.2669	7.89	0.3107	8.77	0.3453	9.93	0.3909	12.68	0.4992				
3.60	0.1417	4.51	0.1776	5.08	0.2000	5.65	0.2225	6.22	0.2449	6.79	0.2673	7.90	0.3111	8.78	0.3457	9.94	0.3913	12.69	0.4996				
...	...	4.52	0.1780	5.09	0.2004	5.66	0.2228	6.23	0.2453	6.80	0.2677	7.905	0.3112	8.79	0.3461	9.95	0.3917	12.70	0.5000				
3.96	0.1559	4.53	0.1784	5.10	0.2008	5.67	0.2232	6.24	0.2457	6.81	0.2681	7.91	0.3114	8.80	0.3465	9.96	0.3921	12.71	0.5004				
3.97	0.1563	4.54	0.1788	5.11	0.2012	5.68	0.2236	6.25	0.2461	6.82	0.2685	7.915	0.3116	...	...	9.97	0.3925	12.72	0.5008				
3.98	0.1567	4.55	0.1791	5.12	0.2016	5.69	0.2240	6.26	0.2465	6.83	0.2689	7.92	0.3118	8.90	0.3504	9.98	0.3929	12.73	0.5012				
3.99	0.1571	4.56	0.1795	5.13	0.2020	5.70	0.2244	6.27	0.2469	6.84	0.2693	7.925	0.3120	8.91	0.3508	9.99	0.3933	12.74	0.5016				
4.00	0.1575	4.57	0.1799	5.14	0.2024	5.71	0.2248	6.28	0.2473	6.85	0.2697	7.93	0.3122	8.92	0.3512	10.00	0.3937	12.75	0.5020				
4.01	0.1579	4.58	0.1803	5.15	0.2028	5.72	0.2252	6.29	0.2476	6.86	0.2701	7.94	0.3126	8.93	0.3516	10.01	0.3941	12.76	0.5024				
4.02	0.1583	4.59	0.1807	5.16	0.2032	5.73	0.2256	6.30	0.2480	6.87	0.2705	7.945	0.3128	8.94	0.3520	10.02	0.3945	12.77	0.5028				
4.03	0.1587	4.60	0.1811	5.17	0.2036	5.74	0.2260	6.31	0.2484	6.88	0.2709	7.95	0.3130	8.95	0.3524	10.03	0.3949	12.78	0.5031				
4.04	0.1591	4.61	0.1815	5.18	0.2040	5.75	0.2264	6.32	0.2488	6.89	0.2713	7.96	0.3135	8.96	0.3528	10.04	0.3953	12.79	0.5035				
4.05	0.1595	4.62	0.1819	5.19	0.2044	5.76	0.2268	6.33	0.2492	6.90	0.2717	7.97	0.3139	8.97	0.3531	10.05	0.3957	12.80	0.5039				
4.06	0.1599	4.63	0.1823	5.20	0.2047	5.77	0.2272	6.34	0.2496	6.91	0.2721	7.98	0.3143	8.98	0.3535	10.06	0.3961	...	...				
4.07	0.1602	4.64	0.1827	5.21	0.2051	5.78	0.2276	6.35	0.2500	6.92	0.2724	7.99	0.3147	8.99	0.3539	10.07	0.3965	13.00	0.5118				
4.08	0.1606	4.65	0.1831	5.22	0.2055	5.79	0.2280	6.36	0.2504	6.93	0.2728	8.00	0.3151	9.00	0.3543	10.08	0.3969	13.01	0.5122				
4.09	0.1610	4.66	0.1835	5.23	0.2059	5.80	0.2284	6.37	0.2508	6.94	0.2732	8.01	0.3155	9.01	0.3547	10.09	0.3972	13.02	0.5126				
4.10	0.1614	4.67	0.1839	5.24	0.2063	5.81	0.2288	6.38	0.2512	6.95	0.2736	8.02	0.3159	9.02	0.3551	10.10	0.3976	...	...				
4.11	0.1618	4.68	0.1843	5.25	0.2067	5.82	0.2291	6.39	0.2516	6.96	0.2740	8.03	0.3161	9.03	0.3555	...	...	13.50	0.5315				
4.12	0.1622	4.69	0.1847	5.26	0.2071	5.83	0.2295	6.40	0.2519	6.97	0.2744	8.04	0.3166	9.04	0.3559	11.00	0.4331	13.51	0.5319				
4.13	0.1626	4.70	0.1851	5.27	0.2075	5.84	0.2299	6.41	0.2524	6.98	0.2748	8.05	0.3169	9.05	0.3563	11.01	0.4335	13.52	0.5327				
4.14	0.1630	4.71	0.1855	5.28	0.2079	5.85	0.2303	6.42	0.2528	6.99	0.2752	8.06	0.3173	9.06	0.3567	11.02	0.4339	...	...				
4.15	0.1634	4.72	0.1858	5.29	0.2083	5.86	0.2307	6.43	0.2532	7.00	0.2756	8.07	0.3177	9.07	0.3571	11.03	0.4343	14.00	0.5512				
4.16	0.1638	4.73	0.1862	5.30	0.2087	5.87	0.2311	6.44	0.2536	6.985	0.2750	8.08	0.3181	9.08	0.3575	11.04	0.4346	14.01	0.5516				
4.17	0.1642	4.74	0.1866	5.31	0.2091	5.88	0.2315	6.45	0.2540	6.99	0.2752	8.09	0.3185	9.09	0.3579	11.05	0.4350	14.02	0.5520				
4.18	0.1646	4.75	0.1870	5.32	0.2095	5.89	0.2319	6.46	0.2543	7.00	0.2756	8.10	0.3189	9.10	0.3583	11.06	0.4354	...	...				
4.19	0.1650	4.76	0.1874	5.33	0.2099	5.90	0.2323	6.47	0.2547	7.005	0.2758	...	...	...	...	11.07	0.4358	15.00	0.5906				
4.20	0.1654	4.77	0.1878	5.34	0.2102	5.91	0.2327	6.48	0.2551	7.01	0.2760	8.30	0.3268	9.40	0.3701	11.08	0.4362	15.01	0.5909				
4.21	0.1658	4.78	0.1882	5.35	0.2106	5.92	0.2331	6.49	0.2555	7.02	0.2764	8.31	0.3271	9.41	0.3705	11.09	0.4366	15.02	0.5913				
4.22	0.1662	4.79	0.1886	5.36	0.2110	5.93	0.2335	6.50	0.2559	7.03	0.2768	8.32	0.3275	9.42	0.3709	11.10	0.4370	...	...				
4.23	0.1666	4.80	0.1890	5.37	0.2114	5.94	0.2339	6.51	0.2563	7.04	0.2772	8.33	0.3279	9.43	0.3713	11.11	0.4374	17.00	0.6693				
4.24	0.1670	4.81	0.1894	5.38	0.2118	5.95	0.2343	6.52	0.2567	7.05	0.2776	8.34	0.3283	9.44	0.3717	...	...	17.01	0.6697				
4.25	0.1674	4.82	0.1898	5.39	0.2122	5.96	0.2347	6.53	0.2571	7.06	0.2780	8.35	0.3287	9.45	0.3720	11.45	0.4508	17.02	0.6701				
4.26	0.1678	4.83	0.1902	5.40	0.2126	5.97	0.2351	6.54	0.2575	7.07	0.2784	8.36	0.3291	9.46	0.3724	11.46	0.4512	...	...				
4.27	0.1682	4.84	0.1906	5.41	0.2130	5.98	0.2355	6.55	0.2579	7.08	0.2788	8.37	0.3295	9.47	0.3728	11.47	0.4516	19.00	0.7480				
4.28	0.1686	4.85	0.1910	5.42	0.2134	5.99	0.2359	6.56	0.2583	7.09	0.2791	8.38	0.3299	9.48	0.3732	11.48	0.4520	19.01	0.7484				
4.29	0.1690	4.86	0.1914	5.43	0.2138	6.00	0.2363	6.57	0.2587	7.10	0.2795	8.39	0.3303	9.49	0.3736	11.49	0.4524	19.02	0.7488				
4.30	0.1694	4.87	0.1918	5.44	0.2142	6.01	0.2367	6.58	0.2591	7.11	0.2799	8.40	0.3307	9.50	0.3740	11.50	0.4528	...	...				
4.31	0.1697	4.88	0.1921	5.45	0.2146	6.02	0.2371	6.59	0.2594	7.12	0.2803	...	...	9.51	0.3744	11.51	0.4531	22.00	0.8661				
4.32	0.1701	4.89	0.1925	5.46	0.2150	6.03	0.2375	6.60	0.2598	7.13	0.2807	8.60	0.3386	9.52	0.3748	11.52	0.4535	22.01	0.8665				
4.33	0.1705	4.90	0.1929	5.47	0.2154	6.04	0.2379	6.61	0.2602	7.14	0.2811	8.61	0.3390	9.53	0.3752	11.53	0.4539	22.02	0.8669				
4.34	0.1709	4.91	0.1933	5.48	0.2157	6.05	0.2383	6.62	0.2606	7.15	0.2815	8.62	0.3394	9.54	0.3756	11.54	0.4543	...	...				
4.35	0.1713	4.92	0.1937	5.49	0.2161	6.06	0.2387	6.63	0.2610	7.16	0.2819	8.63	0.3398	9.55	0.3760	11.55	0.4547	24.00	0.9449				
4.36	0.1717	4.93	0.1941	5.50	0.2165	6.07	0.2340	6.64	0.2614	7.17	0.2823	8.64	0.3402	...	...	11.56	0.4551	24.01	0.9453				
4.37	0.1721	4.94	0.1945	5.51	0.2169	6.08	0.2394	6.65	0.2319	7.18	0.2827	8.65	0.3406	9.80	0.3858	11.57	0.4555	24.02	0.9457				
4.38	0.1725	4.95	0.1949	5.52	0.2173	6.09	0.2398	6.66	0.2622	7.19	0.2831	8.66	0.3409	9.81	0.3862	11.58	0.4559	...	...				
4.39	0.1729	4.96	0.1953	5.53	0.2177	6.10	0.2402	6.67	0.2626	7.20	0.2835	8.67	0.3413	9.82	0.3866	11.59	0.4563	25.00	0.9843				
4.40	0.1733	4.97	0.1957</																				

automatic single point valve seat/guide machining



TL120CNC



- For mass production of medium size cylinder heads
- CNC driven
- Automatic spindle speed, spindle feed (Z axis) and carriage feed (U axis)
- Automatic stroke on X and Y axis optional to machine each valve guide of one or several heads (assuming they own the same guide diameter).
- Spindle centering through triple air cushion, live pilot technology
- Standard size frame

TL120XL CNC



- For mass production of medium and large size cylinder heads
- CNC driven
- Automatic spindle speed, spindle feed (Z axis) and carriage feed (U axis)
- Automatic stroke on X and Y axis optional to machine each valve guide of one or several heads (assuming they own the same guide diameter).
- Spindle centering through triple air cushion, live pilot technology
- XL size frame

press range

TGP1200



- Hydraulic valve guide press
- Remove used valve guides from the cylinder head
- Assemble or disassemble valve springs
- Insert new seats
- Reduces operator fatigue and costly operator errors
- Tilting fixture

work bench range TWS1100



- Heavy duty pneumatic cylinder head work bench
- Assemble or disassemble valve springs on cylinder head of cars, trucks and motorcycles.
- Tilting fixture

manual form tool valve seat/guide machining



TS60

- For common automotive and motorcycle multi-valve cylinder heads
- 80 mm (3.15") spindle diameter with medium torque
- Machining seats from Ø16 to 90 mm (0.6" to 2.36")
- Manual stroke on X and Y axis
- Spindle centering through double air cushion
- Live pilot technology
- Small size frame



TX90

- For common automotive and motorcycle multi-valve cylinder heads
- 80 mm (3.15") spindle diameter with medium torque
- Machining seats from Ø16 to 90 mm (0.6" to 3.6")
- Manual stroke on X and Y axis
- Spindle centering through triple air cushion
- Live pilot technology
- Small size frame



TL120

- Highly versatile machine for micro engine to stationary engine
- 80 mm (3.15") spindle diameter with high torque
- Machining seats from Ø16 to 120 mm (0.6" to 4.72")
- Manual stroke on X and Y axis
- Spindle centering through triple air cushion
- Live pilot technology
- Standard size frame



TL120DRO

- Machine for automotive, diesel and stationary engine seat machining
- 116 mm (4.5") spindle diameter with massive torque
- Machining seats from Ø28 to 120 mm (1.1" to 4.72")
- Manual stroke on X and Y axis
- Spindle centering through double air cushion
- Live pilot technology
- Standard size frame



TL120XL

- Machine for diesel, stationary engine, railways or marine seat machining
- 116 mm (4.5") spindle diameter with massive torque
- Machining seats from Ø28 to 120 mm (1.1" to 4.72")
- Manual stroke on X and Y axis
- Spindle centering through double air cushion
- Live pilot technology
- Large size frame

pressure tester range

TPT1600/L/1700XL



- Quick and easy clamping system allowing tests at a pressure of 0 to 10 bars
- 360° electric powered roll-over fixture
- Hydraulic cradle lift

- Max head dimensions **TPT 1600** :
1250 x 395 x 300 mm
49 x 15.5 x 11.5 in

- Max head dimensions **TPT 1600 L** :
1350 x 425 x 300 mm
53.1 x 16.7 x 11.5 in

Max head dimensions **TPT 1700 XL** :
1350 x 460 x 410 mm
53.1 x 18.1 x 16.1 mm

033763 - Dual axis roll over fixture



Max cylinder head dimensions:

Length: 1050 mm - 41.3"
Height: 270 mm - 10.7"
Width: 300 mm - 11.8"

- . **Allows quick positioning** of parallel and non-parallel side heads, even with canted valve guides.
- . **Set the cylinder head** at the desired level and roll it over
- . **Sturdy clamping** thanks to two large jaws
- . **Sphere centering handles** to get a quick mount of the head
- . **Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.
- . **Supplied** with a **bubble level 024298**

033622 - Heavy duty fixture



Max cylinder head dimensions:

Length: 1050 mm - 41.3"
Height: 420 mm - 16.5"
Width: 300 mm - 11.8"

- . **Allows quick positioning** of parallel and non-parallel side heads
- . **Sturdy clamping** thanks to two large jaws
- . **360° rotation** to get an easy access to the whole sides of the cylinder head for various jobs
- . **Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.
- . **Supplied** with a **bubble level 024298**

3.0 fixture

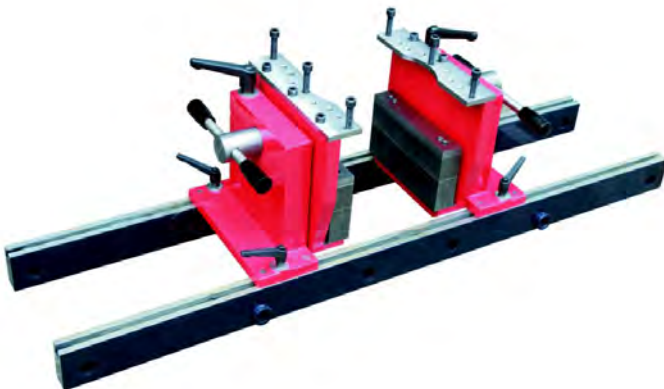


Max cylinder head dimensions:

Length: 1050 mm - 41.3"
Height: 270 mm - 10.7"
Width: 300 mm - 11.8"

- . **Allows quick positioning** of parallel and non-parallel side heads, even with canted valve guides.
- . **Set the cylinder head** at the desired level and roll it over
- . **Sturdy clamping** thanks to two large jaws
- . **Sphere centering handles** to get a quick mount of the head
- . **Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.
- . **Supplied with a bubble level**

4.0 Fixture



Max cylinder head dimensions:

Length: 1050 mm - 41.3"
Height: 270 mm - 10.6"
Width: 300 mm - 11.8"

- . **Allows quick positioning** of parallel and non-parallel side heads
- . **Sturdy clamping** thanks to two large jaws
- . **360° rotation** to get an easy access to the whole sides of the cylinder head for various jobs
- . **Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.
- . **Supplied with a bubble level**

General conditions of sale

All prices are quoted in USD and are enduser's net prices.
All prices are to be understood : EX-WORKS (EXW incoterms 2010) ANNECY
For any other incoterms, we shall submit our best quotation upon request.

PAYMENT TERMS :

If no specific payment terms have been agreed upon, payment is to be understood as «irrevocable letter of credit»

Our Bank name and address are as follows :

XI'AN TENDTOOL MACHINERY CO.,LTD
ADD:25# NO.181,INDUSTRIAL BUILDING BLOCK A,TAI BAI NAN ROAD ,XI AN, CHINA

BANK INFORMATION (ADVISING BANK):

BANK: CHINA CITIC BANK XI'AN BRANCH
ADD: CITIC MANSION, NO. 89 NORTH CHANG'AN ROAD, XI'AN, CHINA
USD ACCOUNT NO.: 7251311482100000723
SWIFT: CIBKCNBJ710

INSPECTION :

If independent inspection should be required (SGS, BUREAU VERITAS, CALEB BRETT or similar) it will be charged to the importer's.

GUARANTEE :

TENDTOOL guarantees all parts of its equipment, to the original purchaser, for one full year from date of shipment (except as provided below) against defects in material or workmanship, when the equipment is installed in strict accordance with its particular specifications. TENDTOOL MACHINERY will repair and/or replace free of charge (Ex works) all such defective parts, ONLY when returned to the factory in XI'AN CHINA, with shipping charges PREPAID. This guarantee DOES NOT COVER damage caused by accident, abuse or faulty installation nor repair or replacement of parts worn or consumed in normal operation of the machine. Additionally, this guarantee does not cover such items as Diamond Tools, Ball Bearings, Grinding Wheels, Belts, Carbide Tool Bits and other accessory items, except at the discretion of MACHINES SERDI. This guarantee is at no time construed to mean the entire machine.

CANCELLATION OF ORDER :

Cancellation of order must be in writing and returned to the factory before shipment.

SHORTAGE OR LOST GOODS :

Any claims for shortages or loss must be reported within 10 days from receipt of shipment. Claims for transit loss or damage are the responsibility of the carrier according to the incoterm required by the importer.

RETURN MERCHANDISE POLICY :

- Merchandise may not be returned to XI'AN TENDTOOL MACHINERY CO.,LTD(TENDTOOL) without written or verbal approval.
- Customer MUST contact the Export Departement to receive authorization.
- Merchandise authorized for return must be returned at customer's charge along with a copy of the invoice(s) or delivery note.
- Returning the goods DOES NOT guarantee credit.
- Credit for return merchandise is at the sole discretion of MACHINES SERDI.
- Credit if any will be issued ONLY after inspection of returned goods.

PRICES AND TERMS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Valve seat and guide machines



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