



2016 Price List

Effective January 1, 2016

This pricelist supersedes any previous pricelist published by sp3 Cutting Tools.

Also available as a downloadable .pdf on our updated website: www.sp3cuttingtools.com under the Catalog tab.



Ultra-Mill Price List
PRICE LIST

Body Identification (Shellmills)	Extended Description	List Price
UM-2.50-3-1A	Ultra-Mill - 2.5" - 3 Station - Aluminum Body	\$350.00
UM-2.50-6-1A	Ultra-Mill - 2.5" - 6 Station - Aluminum Body	\$500.00
UM-3.00-4-1A	Ultra-Mill - 3.0" - 4 Station - Aluminum Body	\$400.00
UM-3.00-8-1A	Ultra-Mill - 3.0" - 8 Station - Aluminum Body	\$600.00
UM-3.00-10-1A	Ultra-Mill - 3.0" - 10 Station - Aluminum Body	\$700.00
UM-4.00-6-1A	Ultra-Mill - 4.0" - 6 Station - Aluminum Body	\$500.00
UM-4.00-12-1A	Ultra-Mill - 4.0" - 12 Station - Aluminum Body	\$800.00
UM-5.00-8-1A	Ultra-Mill - 5.0" - 8 Station - Aluminum Body	\$700.00
UM-5.00-16-1A	Ultra-Mill - 5.0" - 16 Station - Aluminum Body	\$1,100.00
UM-6.00-8-1A	Ultra-Mill - 6.0" - 8 Station - Aluminum Body	\$700.00
UM-6.00-12-1A	Ultra-Mill - 6.0" - 12 Station - Aluminum Body	\$900.00
UM-6.00-20-1A	Ultra-Mill - 6.0" -20 Station - Aluminum Body	\$1,300.00
UM-8.00-10-1A	Ultra-Mill - 8.0" - 10 Station - Aluminum Body	\$800.00
UM-8.00-12-1A	Ultra-Mill - 8.0" - 12 Station - Aluminum Body	\$900.00
UM-8.00-24-1A	Ultra-Mill - 8.0" - 24 Station - Aluminum Body	\$1,500.00
UM-10.00-12-1A	Ultra-Mill - 10.0" - 12 Station - Aluminum Body	\$900.00
UM-10.00-28-1A	Ultra-Mill - 10.0" - 28 Station - Aluminum Body	\$1,700.00
UM-12.00-18-1A	Ultra-Mill - 12" - 18 Station - Aluminum Body	\$1,300.00
UM-12.00-36-1A	Ultra-Mill - 12" - 36 Station - Aluminum Body	\$2,200.00
UM-14.00-16-1A	Ultra-Mill - 14.0" - 16 Station - Aluminum Body	\$1,300.00
UM-14.00-32-1A	Ultra-Mill - 14.0" - 32 Station - Aluminum Body	\$2,100.00
UM-14.00-42-1A	Ultra-Mill - 14.0" - 42 Station - Aluminum Body	\$2,600.00
UM-2.50-3-1S	Ultra-Mill - 2.5" - 3 Station - Steel Body	\$425.00
UM-2.50-6-1S	Ultra-Mill - 2.5" - 6 Station - Steel Body	\$575.00
UM-3.00-4-1S	Ultra-Mill - 3.0" - 4 Station - Steel Body	\$475.00
UM-3.00-8-1S	Ultra-Mill - 3.0" - 8 Station - Steel Body	\$675.00
UM-3.00-10-1S	Ultra-Mill - 3.0" - 10 Station - Steel Body	\$775.00
UM-4.00-6-1S	Ultra-Mill - 4.0" - 6 Station - Steel Body	\$600.00
UM-4.00-12-1S	Ultra-Mill - 4.0" - 12 Station - Steel Body	\$900.00
UM-5.00-8-1S	Ultra-Mill - 5.0" - 8 Station - Steel Body	\$800.00
UM-5.00-16-1S	Ultra-Mill - 5.0" - 16 Station - Steel Body	\$1,200.00
UM-6.00-8-1S	Ultra-Mill - 6.0" - 8 Station - Steel Body	\$800.00
UM-6.00-12-1S	Ultra-Mill - 6.0" - 12 Station - Steel Body	\$1,000.00
UM-6.00-20-1S	Ultra-Mill - 6.0" -20 Station - Steel Body	\$1,400.00
UM-8.00-10-1S	Ultra-Mill - 8.0" - 10 Station - Steel Body	\$1,000.00
UM-8.00-12-1S	Ultra-Mill - 8.0" - 12 Station - Steel Body	\$1,100.00
UM-8.00-24-1S	Ultra-Mill - 8.0" - 24 Station - Steel Body	\$1,700.00
UM-10.00-12-1S	Ultra-Mill - 10.0" - 12 Station - Steel Body	\$1,200.00
UM-10.00-28-1S	Ultra-Mill - 10.0" - 28 Station - Steel Body	\$2,000.00
UM-12.00-18-1S	Ultra-Mill - 12" - 18 Station - Steel Body	\$1,700.00
UM-12.00-36-1S	Ultra-Mill - 12" - 36 Station - Steel Body	\$2,600.00
UM-14.00-16-1S	Ultra-Mill - 14.0" - 16 Station - Steel Body	\$1,800.00
UM-14.00-32-1S	Ultra-Mill - 12.0" - 32 Station - Steel Body	\$1,600.00
UM-14.00-42-1S	Ultra-Mill - 14.0" - 42 Station - Steel Body	\$3,100.00
UM-80MM-4-1A	Ultra-Mill - 80mm - 4 Station - Aluminum Body	\$400.00
UM-80MM-8-1A	Ultra-Mill - 80mm - 8 Station - Aluminum Body	\$600.00
UM-80MM-10-1A	Ultra-Mill - 80mm - 10 Station - Aluminum Body	\$700.00
UM-100MM6-1A	Ultra-Mill - 100mm - 6 Station - Aluminum Body	\$500.00
UM-100MM-8-1A	Ultra-Mill - 100mm - 8 Station - Aluminum Body	\$600.00
UM-100MM-12-1A	Ultra-Mill - 100mm - 12 Station - Aluminum Body	\$800.00
UM-125MM-8-1A	Ultra-Mill - 125mm - 8 Station - Aluminum Body	\$700.00
UM-125MM-12-1A	Ultra-Mill - 125mm - 12 Station - Aluminum Body	\$900.00
UM-125MM-16-1A	Ultra-Mill - 125mm - 16 Station - Aluminum Body	\$1,100.00
UM-160MM-10-1A	Ultra-Mill - 160mm - 10 Station - Aluminum Body	\$800.00
UM-160MM-20-1A	Ultra-Mill - 160mm - 20 Station - Aluminum Body	\$1,300.00
UM-200MM-12-1A	Ultra-Mill - 200mm - 12 Station - Aluminum Body	\$900.00

UM-200MM-24-1A	Ultra-Mill - 200mm - 24 Station - Aluminum Body	\$1,500.00
UM-250MM-32-1A	Ultra-Mill - 250mm - 32 Station - Aluminum Body	\$1,900.00
UM-80MM-4-1S	Ultra-Mill - 80mm - 4 Station - Steel Body	\$475.00
UM-80MM-8-1S	Ultra-Mill - 80mm - 8 Station - Steel Body	\$675.00
UM-80MM-10-1S	Ultra-Mill - 80mm - 10 Station - Steel Body	\$775.00
UM-100MM-6-1S	Ultra-Mill - 100mm - 6 Station - Steel Body	\$600.00
UM-100MM-8-1S	Ultra-Mill - 100mm - 8 Station - Steel Body	\$700.00
UM-100MM-12-1S	Ultra-Mill - 100mm - 12 Station - Steel Body	\$900.00
UM-125MM-8-1S	Ultra-Mill - 125mm - 8 Station - Steel Body	\$800.00
UM-125MM-12-1S	Ultra-Mill - 125mm - 12 Station - Steel Body	\$1,000.00
UM-125MM-16-1S	Ultra-Mill - 125mm - 16 Station - Steel Body	\$1,200.00
UM-160MM-10-1S	Ultra-Mill - 160mm - 10 Station - Steel Body	\$900.00
UM-160MM-20-1S	Ultra-Mill - 160mm - 20 Station - Steel Body	\$1,400.00
UM-200MM-12-1S	Ultra-Mill - 200mm - 12 Station - Steel Body	\$1,100.00
UM-200MM-24-1S	Ultra-Mill - 200mm - 24 Station - Steel Body	\$1,700.00
UM-250MM-32-1S	Ultra-Mill - 250mm - 32 Station - Steel Body	\$2,200.00

Ultra-Mill (UC) Cartridge

Cartridge Identification	Description	List Price
UC Cartridge		
UCDR/L-xxx0	Max Depth Cut .200 (Standard)	\$67.00
UCDR/L-xxx1	Max Depth Cut .250	\$70.00
UCDR/L-xxx2	Max Depth Cut .375	\$72.00
UCDR/L-xxx3	Max Depth Cut .500	\$74.00
UCDR/L-xxx4	Max Depth Cut .625	\$78.00
UCDR/L-xxx5	Max Depth Cut .750	\$94.00
UC Wiper Cartridge		
UCDR/L-W1-x	Crowned Wiper	\$95.00
UCDR/L-W2-x	Flat Wiper	\$90.00

Ultra-Mill Shower Screws,Plates,Caps

Shower Screws and Plates (English)	Extended Description	List Price
UM-SS-2.50	Shower Screw for 2.5" Mill	\$110.00
UM-SS-3.00	Shower Screw for 3.0" Mill	\$120.00
UM-SS-4.00	Shower Screw for 4.0" Mill	\$140.00
UM-SS-5.00	Shower Screw for 5.0" Mill	\$150.00
UM-SS-6.00	Shower Screw for 6.0" Mill	\$160.00
UM-SS-8.00	Shower Plate for 8.0" Mill	\$230.00
UM-SS-10.00	Shower Plate for 10.0" Mill	\$250.00
UM-SS-12.00	Shower Plate for 12.0" Mill	\$350.00
UM-SS-14.00	Shower Plate for 14.0" Mill	\$390.00
UM-SS-5.00-LW	Light Weight Coolant Cap Assembly for 5.0" Mill	Call
UM-SS-6.00-LW	Light Weight Coolant Cap Assembly for 6.0" Mill	Call
(Metric)	Extended Description	List Price
UM-SS-50MM	Shower Screw for 50mm Mill	\$110.00
UM-SS-63MM	Shower Screw for 63mm Mill	\$130.00
UM-SS-80MM-22	Shower Screw for 80mm Mill w/ 22mm Bore	\$120.00
UM-SS-80MM-27	Shower Screw for 80mm Mill w/ 27mm Bore	\$120.00
UM-SS-100MM	Shower Screw for 100mm Mill	\$140.00
UM-SS-125MM	Shower Screw for 125mm Mill	\$150.00
UM-SS-160MM	Shower Screw for 160mm Mill	\$160.00
UM-SS-200MM	Shower Plate for 200mm Mill	\$230.00
UM-SS-250MM	Shower Plate for 250mm Mill	\$250.00
UM-SS-125MM-LW	Light Weight Coolant Cap Assembly for 125mm Mill	Call
UM-SS-160MM-LW	Light Weight Coolant Cap Assembly for 160mm Mill	Call



**Ultra-Mill Intermediate Price List
PRICE LIST**

Body Identification (Shellmills)	Extended Description	List Price
UMI-2.00-8-1A	Ultra-Mill Intermediate - 2.0" - 8 Station - Aluminum Body	\$600.00
UMI-2.00-8-1S	Ultra-Mill Intermediate - 2.0" - 8 Station - Steel Body	\$675.00
UMI-2.50-10-1A	Ultra-Mill Intermediate - 2.5" - 10 Station - Aluminum Body	\$700.00
UMI-2.50-10-1S	Ultra-Mill Intermediate - 2.5" - 10 Station - Steel Body	\$775.00
UMI-3.00-12-1A	Ultra-Mill Intermediate - 3.0" - 12 Station - Aluminum Body	\$800.00
UMI-3.00-12-1S	Ultra-Mill Intermediate - 3.0" - 12 Station - Steel Body	\$875.00
UMI-4.00-18-1A	Ultra-Mill Intermediate - 4.0" - 18 Station - Aluminum Body	\$1,100.00
UMI-4.00-18-1S	Ultra-Mill Intermediate - 4.0" - 18 Station - Steel Body	\$1,200.00
UMI-5.00-22-1A	Ultra-Mill Intermediate - 5.0" - 22 Station - Aluminum Body	\$1,400.00
UMI-5.00-22-1S	Ultra-Mill Intermediate - 5.0" - 22 Station - Steel Body	\$1,500.00
UMI-6.00-28-1A	Ultra-Mill Intermediate - 6.0" - 28 Station - Aluminum Body	\$1,700.00
UMI-6.00-28-1S	Ultra-Mill Intermediate - 6.0" - 28 Station - Steel Body	\$1,800.00
UMI-8.00-38-1A	Ultra-Mill Intermediate - 8.0" - 38 Station - Aluminum Body	\$2,200.00
UMI-8.00-38-1S	Ultra-Mill Intermediate - 8.0" - 38 Station - Steel Body	\$2,400.00
UMI-10.00-48-1A	Ultra-Mill Intermediate - 10.0" - 48 Station - Aluminum Body	\$2,700.00
UMI-10.00-48-1S	Ultra-Mill Intermediate - 10.0" - 48 Station - Steel Body	\$3,000.00
UMI-50MM-8-1A	Ultra-Mill Intermediate - 50mm - 8 Station - Aluminum Body	\$600.00
UMI-50MM-8-1S	Ultra-Mill Intermediate - 50mm - 8 Station - Steel Body	\$675.00
UMI-63MM-10-1A	Ultra-Mill Intermediate - 63mm - 10 Station - Aluminum Body	\$700.00
UMI-63MM-10-1S	Ultra-Mill Intermediate - 63mm - 10 Station - Steel Body	\$775.00
UMI-75MM-12-1A	Ultra-Mill Intermediate - 75mm - 12 Station - Aluminum Body	\$800.00
UMI-75MM-12-1S	Ultra-Mill Intermediate - 75mm - 12 Station - Steel Body	\$875.00
UMI-100MM-18-1A	Ultra-Mill Intermediate - 100mm - 18 Station - Aluminum Body	\$1,100.00
UMI-100MM-18-1S	Ultra-Mill Intermediate - 100mm - 18 Station - Steel Body	\$1,200.00
UMI-125MM-22-1A	Ultra-Mill Intermediate - 125mm - 22 Station - Aluminum Body	\$1,400.00
UMI-125MM-22-1S	Ultra-Mill Intermediate - 125mm - 22 Station - Steel Body	\$1,500.00
UMI-150MM-26-1A	Ultra-Mill Intermediate - 150mm - 26 Station - Aluminum Body	\$1,500.00
UMI-150MM-26-1S	Ultra-Mill Intermediate - 150mm - 26 Station - Steel Body	\$1,600.00
UMI-200MM-36-1A	Ultra-Mill Intermediate - 200mm - 36 Station - Aluminum Body	\$2,000.00
UMI-200MM-36-1S	Ultra-Mill Intermediate - 200mm - 36 Station - Steel Body	\$2,200.00
UMI-250MM-46-1A	Ultra-Mill Intermediate - 250mm - 46 Station - Aluminum Body	\$2,500.00
UMI-250MM-46-1S	Ultra-Mill Intermediate - 250mm - 46 Station - Steel Body	\$2,800.00
Body Identification (Endmills)	Extended Description	List Price
UMI-1.50-4-SS-1.00	Ultra-Mill Intermediate - 1.5" - 4 Station - 1.0" Shank	\$450.00
UMI-1.50-4-SS-1.50	Ultra-Mill Intermediate - 1.5" - 4 Station - 1.5" Shank	\$475.00
UMI-2.00-8-SS-1.00	Ultra-Mill Intermediate - 2.0" - 8 Station - 1.0" Shank	\$650.00
UMI-2.00-8-SS-1.50	Ultra-Mill Intermediate - 2.0" - 8 Station - 1.5" Shank	\$675.00
UMI-38MM-4-SS-25	Ultra-Mill Intermediate - 32mm - 4 Station - 25mm Shank	\$450.00
UMI-38MM-4-SS-32	Ultra-Mill Intermediate - 32mm - 4 Station - 32mm Shank	\$475.00
UMI-50MM-8-SS-25	Ultra-Mill Intermediate - 50mm - 8 Station - 25mm Shank	\$650.00
UMI-50MM-8-SS-32	Ultra-Mill Intermediate - 50mm - 8 Station - 32mm Shank	\$675.00
Ultra-Mill Intermediate (UI) Cartridge		
Cartridge Identification	Description	List Price
UI Cartridge		
UIDR/L-xxx0	Max Depth Cut .200 (Standard)	\$67.00
UIDR/L-xxx1	Max Depth Cut .250	\$70.00
UIDR/L-xxx2	Max Depth Cut .375	\$72.00
UI Wiper Cartridge		
UIDR/L-W1-x	Crowned Wiper	\$95.00
UIDR/L-W2-x	Flat Wiper	\$90.00

Ultra-Mill Intermediate Shower Screws,Plates,Caps

Shower Screws and Plates (English)	<i>Extended Description</i>	<i>List Price</i>
UI-SS-2.00	Shower Screw for 2.0" Mill	\$110.00
UI-SS-2.50	Shower Screw for 2.5" Mill	\$110.00
UI-SS-3.00	Shower Screw for 3.0" Mill	\$120.00
UI-SS-4.00	Shower Screw for 4.0" Mill	\$140.00
UI-SS-5.00	Shower Screw for 5.0" Mill	\$150.00
UI-SS-6.00	Shower Screw for 6.0" Mill	\$160.00
UI-SS-8.00	Shower Plate for 8.0" Mill	\$230.00
UI-SS-10.00	Shower Plate for 10.0" Mill	\$250.00
UI-SS-12.00	Shower Plate for 12.0" Mill	\$350.00
UI-SS-14.00	Shower Plate for 14.0" Mill	\$390.00
UI-SS-5.00-LW	Light Weight Coolant Cap Assembly for 5.0" Mill	Call
UI-SS-6.00-LW	Light Weight Coolant Cap Assembly for 6.0" Mill	Call
(Metric)	<i>Extended Description</i>	<i>List Price</i>
UI-SS-50MM	Shower Screw for 50mm Mill	\$130.00
UI-SS-63MM	Shower Screw for 63mm Mill	\$130.00
UI-SS-75MM	Shower Screw for 75mm Mill	\$130.00
UI-SS-80MM-22	Shower Screw for 80mm Mill w/ 22mm Bore	\$120.00
UI-SS-80MM-27	Shower Screw for 80mm Mill w/ 27mm Bore	\$120.00
UI-SS-100MM	Shower Screw for 100mm Mill	\$140.00
UI-SS-125MM	Shower Screw for 125mm Mill	\$150.00
UI-SS-150MM	Shower Screw for 150mm Mill	\$160.00
UI-SS-200MM	Shower Plate for 200mm Mill	\$230.00
UI-SS-250MM	Shower Plate for 250mm Mill	\$250.00
UI-SS-125MM-LW	Light Weight Coolant Cap Assembly for 125mm Mill	Call



**Ultra-Mill Mini Endmill Price List
PRICE LIST**

Body Identification (Inch)	Extended Description	List Price
MUE-1.00-6-SS-.75	Ultra-Mill Mini Endmill - 1.0" - 6 station - .75" Shank	\$440.00
MUE-1.00-6-SS-1.00	Ultra-Mill Mini Endmill - 1.0" - 6 station - 1.0" Shank	\$440.00
MUE-1.25-6-SS-.625	Ultra-Mill Mini Endmill - 1.25" - 6 station - .625" Shank	\$470.00
MUE-1.25-6-SS-.75	Ultra-Mill Mini Endmill - 1.25" - 6 station - .75" Shank	\$470.00
MUE-1.25-6-SS-1.00	Ultra-Mill Mini Endmill - 1.25" - 6 station - 1.0" Shank	\$470.00
MUE-1.50-6-SS-.625	Ultra-Mill Mini Endmill - 1.50" - 6 station - .625" Shank	\$500.00
MUE-1.50-6-SS-.75	Ultra-Mill Mini Endmill - 1.50" - 6 station - .75" Shank	\$500.00
MUE-1.50-6-SS-1.00	Ultra-Mill Mini Endmill - 1.50" - 6 station - 1.0" Shank	\$500.00
MUE-1.75-8-SS-1.00	Ultra-Mill Mini Endmill - 1.75" - 8 station - 1.0" Shank	\$550.00
MUE-1.75-8-SS-1.25	Ultra-Mill Mini Endmill - 1.75" - 8 station - 1.25" Shank	\$550.00
MUE-2.00-10-SS-1.25	Ultra-Mill Mini Endmill - 2.0" - 10 station - 1.25" Shank	\$610.00
MUE-25MM-6-SS-20	Ultra-Mill Mini Endmill - 25mm - 6 station - 20mm Shank	\$440.00
MUE-25MM-6-SS-25	Ultra-Mill Mini Endmill - 25mm - 6 station - 25mm Shank	\$440.00
MUE-32MM-6-SS-20	Ultra-Mill Mini Endmill - 32mm - 6 station - 20mm Shank	\$470.00
MUE-32MM-6-SS-25	Ultra-Mill Mini Endmill - 32mm - 6 station - 25mm Shank	\$470.00
MUE-38MM-6-SS-20	Ultra-Mill Mini Endmill - 38mm - 6 station - 20mm Shank	\$500.00
MUE-38MM-6-SS-25	Ultra-Mill Mini Endmill - 38mm - 6 station - 25mm Shank	\$500.00
MUE-45MM-8-SS-20	Ultra-Mill Mini Endmill - 45mm - 8 station - 20mm Shank	\$550.00
MUE-45MM-8-SS-32	Ultra-Mill Mini Endmill - 45mm - 8 station - 32mm Shank	\$550.00
MUE-50MM-10-SS-32	Ultra-Mill Mini Endmill - 50mm - 10 station - 32mm Shank	\$610.00

Note: All cutters are delivered standard without coolant through
To order with coolant add [C] to the end of the part ID

Cost for coolant through is an additional \$15.00 per station

Example: MUE-1.00-6-SS-.75 [C] - \$15 x 6=\$90 for coolant \$490.00

Ultra-Mill Mini Endmill (MU) Cartridge

Cartridge Identification	Description	List Price
MU Cartridge		
MUDR/L- xxx0	Max Depth Cut .150 (Standard)	\$67.00



**Ultra Endmill (UE) Cutter Body & Cartridge
PRICE LIST**

Body Identification (English)	Extended Description	List Price	Part #
UE-D0.75-3-SS-0.75	Ultra-Mill Endmill - .75" - 3 station - .75" shank	\$380.00	46115-01
UE-D1.00-3-SS-1.00	Ultra-Mill Endmill - 1.0" - 3 station - 1.0" shank	\$420.00	46156-01
UE-D1.25-4-SS-1.00	Ultra-Mill Endmill - 1.25" - 4 station - 1.0" shank	\$460.00	46162-01
UE-D1.50-4-SS-1.00	Ultra-Mill Endmill - 1.5" - 4 station - 1.0" shank	\$570.00	46175-01
UE-D1.75-4-SS-1.25	Ultra-Mill Endmill - 1.75" - 4 station - 1.25" shank	\$540.00	46176-01
UE-D2.00-4-SS-1.25	Ultra-Mill Endmill - 2.0" - 4 station - 1.25" shank	\$580.00	46169-01

Body Identification (Metric)	Extended Description	List Price	Part #
UE-D20MM-3-SS-20MM	Ultra-Mill Endmill - 20mm - 3 station - 20mm shank	\$380.00	46172-01
UE-D25MM-3-SS-25MM	Ultra-Mill Endmill - 25mm - 3 station - 25mm shank	\$420.00	46177-01
UE-D32MM-3-SS-32MM	Ultra-Mill Endmill - 32mm - 3 station - 32mm shank	\$495.00	46178-01
UE-D40MM-4-SS-32MM	Ultra-Mill Endmill - 40mm - 4 station - 32mm shank	\$500.00	46179-01
UE-D50MM-4-SS-32MM	Ultra-Mill Endmill - 50mm - 4 station - 32mm shank	\$580.00	46180-01

Note: All cutters are delivered standard without coolant through

To order with coolant add [C] to the end of the part ID

Cost for coolant through is an additional \$18.00 per station

Example: UE-D0.75-3-SS-0.75 [C] - \$18 x 3=\$54 for coolant

\$434.00

Ultra-Mill Endmill (EI/EM) Cartridge

Cartridge Identification EI Cartridge (Inch)	Description	List Price
EIDR-xxx0	Max Depth Cut .200 (Standard)	\$85.00
EIDR-xxx1	Max Depth Cut .375	\$90.00
EIDR-xxx2	Max Depth Cut .500	\$95.00
EIDR-xxx3	Max Depth Cut .625	\$100.00
EIDR-xxx4	Max Depth Cut 1.00	\$115.00
EIDR-xxx5	Max Depth Cut .750	\$105.00
EITR-xxx0	Max Depth Cut .200 (Standard)	\$105.00
EITR-xxx1	Max Depth Cut .375	\$110.00
EITR-xxx2	Max Depth Cut .500	\$115.00
EITR-xxx3	Max Depth Cut .625	\$120.00
EITR-xxx4	Max Depth Cut 1.00	\$140.00
EITR-xxx5	Max Depth Cut .750	\$125.00

Cartridge Identification EM Cartridge (Metric)	Description	List Price
EMDR-xxx0	Max Depth Cut 5.0MM (Standard)	\$85.00
EMDR-xxx1	Max Depth Cut 9.5 MM	\$90.00
EMDR-xxx2	Max Depth Cut 12.0 MM	\$95.00
EMDR-xxx3	Max Depth Cut 16.0 MM	\$100.00
EMDR-xxx4	Max Depth Cut 25.0 MM	\$115.00
EMDR-xxx5	Max Depth Cut 19.0 MM	\$105.00
EMTR-xxx0	Max Depth Cut 5.0MM (Standard)	\$105.00
EMTR-xxx1	Max Depth Cut 9.5 MM	\$110.00
EMTR-xxx2	Max Depth Cut 12.0 MM	\$115.00
EMTR-xxx3	Max Depth Cut 16.0 MM	\$120.00
EMTR-xxx4	Max Depth Cut 25.0 MM	\$140.00
EMTR-xxx5	Max Depth Cut 19.0 MM	\$125.00

**Spare Parts
PRICE LIST**

Mounting Hardware	<i>Description</i>	<i>List Price</i>
63501	Cartridge Mount Screw	\$1.00
63500	Cartridge Adjustment Nut	\$3.00
63502	Stud for Adjustment Nut	\$1.00
63503	Cartridge Mount Screw	\$1.00
63504	Stud for Adjustment Nut	\$1.00
63521	Cartridge Mount Screw	\$3.50
63520	Cartridge Adjustment Nut	\$3.50
63522	Stud for Adjustment Nut	\$3.50
63523	Cartridge Mount Screw	\$3.50
63524	Stud for Adjustment Nut	\$3.50
63540	Cartridge Mount Screw	\$5.00
63541	Cartridge Adjustment Screw	\$3.70
63542	Cartridge Mount Screw	\$2.90
63300	Cartridge Mount Screw	\$11.00
63547	Cartridge Adjustment Screw	\$1.00
63302	Cartridge Mount Screw	\$11.00
63527	Cartridge Mount Screw	\$11.00
63528	Cartridge Adjustment Screw	\$1.00
63549	Cartridge Mount Screw	\$3.00

Adjustment Tools	<i>Description</i>	<i>List Price</i>
63600	Cartridge Adjustment Wrench	\$20.00
63601	Pre-set 45 in-lbs Torque Wrench - for Inch Mills	\$115.00
63615	Replacement T-25+ 1/4" drive socket - for Inch Mills	\$15.00
63611	Torx T-25+ T-handle Wrench -for Inch Mills	\$18.00
63616	Replacement T-25 1/4" drive socket - for Metric Mills	\$15.00
63602	Torx T-25 T-handle Wrench -for Metric Mills	\$18.00
63606	Pre-set 50 in-lbs Torque Wrench - for Metric Mills	\$115.00
63603	Pre-set 14.5 in-lbs Torque Wrench	\$115.00
63604	Torx T-9 T-handle Wrench	\$12.00
63605	7mm Cartridge Adjustment Wrench	\$25.00
63607	Torx T-15 Wing Style Handle Wrench	\$10.00
63609	Pre-set 19 in-lbs Torque Wrench	\$115.00
63350	UMPP - Procket Protector - Ultra-Mill	\$25.00
63351	UMIPP - Pocket Protector - Ultra-Mill Intermediate	\$25.00



**PCD Tipped ISO Inserts
PRICE LIST**

Part #	Description	ISO Description	Tip Size	Top Rake	List Price
41990-01	TCGX-21.51 4mm PCD	TCGX-110204	4.0MM	5°	\$50.00
41990-02	TCGX-21.52 4mm PCD	TCGX-110208	4.0MM	5°	\$50.00
41990-03	TCGX-32.51 4mm PCD	TCGX-16T304	4.0MM	5°	\$51.50
41990-04	TCGX-32.52 4mm PCD	TCGX-16T308	4.0MM	5°	\$51.50
41991-01	TPGX-21.51 4mm PCD	TPGX-110204	4.0MM	5°	\$50.00
41991-02	TPGX-21.52 4mm PCD	TPGX-110208	4.0MM	5°	\$50.00
41991-03	TPGX-32.51 4mm PCD	TPGX-16T304	4.0MM	5°	\$51.50
41991-04	TPGX-32.52 4mm PCD	TPGX-16T308	4.0MM	5°	\$51.50
41992-01	CCGX-21.51 4mm PCD	CCGX-060204	4.0MM	5°	\$50.50
41992-02	CCGX-21.52 4mm PCD	CCGX-060208	4.0MM	5°	\$50.50
41992-03	CCGX-32.51 4mm PCD	CCGX-09T304	4.0MM	5°	\$51.50
41992-04	CCGX-32.52 4mm PCD	CCGX-09T308	4.0MM	5°	\$51.50
41993-01	CPGX-21.51 4mm PCD	CPGX-060204	4.0MM	5°	\$50.50
41993-02	CPGX-21.52 4mm PCD	CPGX-060208	4.0MM	5°	\$50.50
41993-03	CPGX-32.51 4mm PCD	CPGX-09T304	4.0MM	5°	\$51.50
41993-04	CPGX-32.52 4mm PCD	CPGX-09T308	4.0MM	5°	\$51.50
41994-01	DCGX-21.51 4mm PCD	DCGX-070204	4.0MM	5°	\$50.00
41994-02	DCGX-21.52 4mm PCD	DCGX-070208	4.0MM	5°	\$50.00
41994-03	DCGX-32.51 4mm PCD	DCGX-11T304	4.0MM	5°	\$51.00
41994-04	DCGX-32.52 4mm PCD	DCGX-11T308	4.0MM	5°	\$51.00
41995-01	DPGX-21.51 4mm PCD	DPGX-070204	4.0MM	5°	\$50.00
41995-02	DPGX-21.52 4mm PCD	DPGX-070208	4.0MM	5°	\$50.00
41995-03	DPGX-32.51 4mm PCD	DPGX-11T304	4.0MM	5°	\$51.00
41995-04	DPGX-32.52 4mm PCD	DPGX-11T308	4.0MM	5°	\$51.00

Part #	Description	ISO Description	Tip Size	Top Rake	List Price
41984-01	TCGW-21.51 4mm PCD	TCGW-110204	4.0MM	0°	\$50.00
41984-02	TCGW-21.52 4mm PCD	TCGW-110208	4.0MM	0°	\$50.00
41984-03	TCGW-32.51 4mm PCD	TCGW-16T304	4.0MM	0°	\$51.50
41984-04	TCGW-32.52 4mm PCD	TCGW-16T308	4.0MM	0°	\$51.50
41985-01	TPGW-21.51 4mm PCD	TPGW-110204	4.0MM	0°	\$50.00
41985-02	TPGW-21.52 4mm PCD	TPGW-110208	4.0MM	0°	\$50.00
41985-03	TPGW-32.51 4mm PCD	TPGW-16T304	4.0MM	0°	\$51.50
41985-04	TPGW-32.52 4mm PCD	TPGW-16T308	4.0MM	0°	\$51.50
41986-01	CCGW-21.51 4mm PCD	CCGW-060204	4.0MM	0°	\$50.50
41986-02	CCGW-21.52 4mm PCD	CCGW-060208	4.0MM	0°	\$50.50
41986-03	CCGW-32.51 4mm PCD	CCGW-09T304	4.0MM	0°	\$51.50
41986-03	CCGW-32.52 4mm PCD	CCGW-09T308	4.0MM	0°	\$51.50
41987-01	CPGW-21.51 4mm PCD	CPGW-060204	4.0MM	0°	\$50.50
41987-02	CPGW-21.52 4mm PCD	CPGW-060208	4.0MM	0°	\$50.50
41987-03	CPGW-32.51 4mm PCD	CPGW-09T304	4.0MM	0°	\$51.50
41987-04	CPGW-32.52 4mm PCD	CPGW-09T308	4.0MM	0°	\$51.50

41988-01	DCGW-21.51 4mm PCD	DCGW-070204	4.0MM	0 ⁰	\$50.00
41988-02	DCGW-21.52 4mm PCD	DCGW-070208	4.0MM	0 ⁰	\$50.00
41988-03	DCGW-32.51 4mm PCD	DCGW-11T304	4.0MM	0 ⁰	\$51.00
41988-04	DCGW-32.52 4mm PCD	DCGW-11T308	4.0MM	0 ⁰	\$51.00
41989-01	DPGW-21.51 4mm PCD	DPGW-070204	4.0MM	0 ⁰	\$50.00
41989-02	DPGW-21.52 4mm PCD	DPGW-070208	4.0MM	0 ⁰	\$50.00
41989-03	DPGW-32.51 4mm PCD	DPGW-11T304	4.0MM	0 ⁰	\$51.00
41989-04	DPGW-32.52 4mm PCD	DPGW-11T308	4.0MM	0 ⁰	\$51.00

DIAbide Endmills

Square End Profiling (SEP) Endmills

Diameter:	LOC:	OAL:	Flutes:	Inch		Radius:	sp3 Part #:	List Price:	
				Type:	Reach:			-05	-07
1/64	3/64	1-1/2	2	SEP	1/8		12156	\$125	\$150
1/32	3/32	3	4	SEP	5/16		12127	\$115	\$140
3/64	3/16	3	4	SEP	15/32		12128	\$120	\$145
1/16	3/32	2-1/2	4	SEP	1		12866	\$125	\$150
1/16	3/32	2-1/2	4	SEP	1/2		12392	\$125	\$150
3/32	3/32	3	4	SEP	3/4		12851	\$135	\$160
3/32	3/8	3	4	SEP	1		12130	\$135	\$160
3/32	9/64	2-1/2	4	SEP	1/2		12394	\$135	\$160
3/32	3/32	3	4	SEP	1-1/2		12867	\$140	\$165
1/8	1/8	4	4	SEP	1		12854	\$145	\$170
1/8	1/8	3	4	SEP	1-1/2		12852	\$140	\$165
3/16	3/16	3	4	SEP	1		12398	\$150	\$175
3/16	1	4	4	SEP	1-7/8		12133	\$170	\$205
1/4	1/4	4	4	SEP	1		12491	\$190	\$225
1/4	1/4	4	4	SEP	2		12856	\$200	\$235
5/16	5/16	4	4	SEP	2		12747	\$230	\$270
3/8	3/8	4	4	SEP	2		12859	\$275	\$315
1/2	1/2	4	4	SEP	2		12861	\$340	\$380
Diameter:	LOC:	OAL:	Flutes:	Metric		Radius:	sp3 Part #:	List Price:	
				Type:	Reach:			-05	-07
1mm	4	75	4	SEP	10mm		12135	\$130	\$155
2mm	10	75	4	SEP	20mm		12136	\$130	\$155
3mm	3	75	4	SEP	20mm		12470	\$135	\$160
3mm	15	75	4	SEP	30mm		12137	\$135	\$160
4mm	25	75	4	SEP	35mm		12720	\$160	\$185
6mm	6	100	4	SEP	38mm		12473	\$220	\$260
8mm	8	100	4	SEP	50mm		12476	\$280	\$320
10mm	10	100	4	SEP	50mm		12479	\$310	\$350
12mm	12	100	4	SEP	50mm		12482	\$365	\$405

Prices effective July 1, 2015

DIAbide Endmills

Ball End Profiling (BEP) Endmills

Diameter:	LOC:	OAL:	Flutes:	Inch Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1/64	3/64	1-1/2	2	BEP	5/32		12138	\$130	\$150
1/32	3/32	3	4	BEP	5/16		12139	\$120	\$140
3/64	3/16	3	4	BEP	15/32		12140	\$120	\$140
3/64	3/16	3	4	BEP	3/4		12746	\$125	\$145
1/16	1/16	3	4	BEP	3/4		12810	\$125	\$145
1/16	3/32	2-1/2	4	BEP	3/4		12393	\$125	\$145
1/16	3/16	3	4	BEP	1		12721	\$130	\$155
3/32	9/64	2-1/2	4	BEP	1/2		12395	\$130	\$155
3/32	3/32	3	4	BEP	3/4		12811	\$135	\$160
3/32	3/8	3	4	BEP	1		12142	\$135	\$160
3/32	9/32	3	4	BEP	1-1/2		12722	\$140	\$165
1/8	1/8	3	4	BEP	1-1/2		12812	\$145	\$170
1/8	1/8	4	4	BEP	1		12342	\$150	\$175
1/8	1	3	4	BEP	1-1/2		12143	\$145	\$170
1/8	3/8	3	4	BEP	2		12723	\$150	\$180
3/16	3/16	4	4	BEP	1-7/8		12816	\$170	\$195
3/16	3/16	3	4	BEP	1		12399	\$165	\$190
3/16	1	4	4	BEP	1-7/8		12145	\$180	\$205
1/4	1/4	4	4	BEP	1		12492	\$205	\$240
1/4	1/4	4	4	BEP	2		12813	\$215	\$250
1/4	1-1/2	4	4	BEP	2		12146	\$225	\$260
5/16	5/16	4	4	BEP	2		12815	\$245	\$280
3/8	3/8	4	4	BEP	2		12814	\$290	\$330
1/2	1/2	4	4	BEP	2		12819	\$355	\$395
1/2	1/2	6	4	BEP	1-1/2		12724	\$390	\$430
Diameter:	LOC:	OAL:	Flutes:	Metric Type: Metric	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1mm	4	75	4	BEP	10mm		12147	\$135	\$160
2mm	10	75	4	BEP	20mm		12148	\$135	\$160
3mm	3	75	4	BEP	20mm		12472	\$140	\$165
3mm	15	75	4	BEP	30mm		12149	\$140	\$165
4mm	25	75	4	BEP	35mm		12725	\$170	\$195
6mm	6	100	4	BEP	38mm		12475	\$230	\$270
8mm	8	100	4	BEP	50mm		12478	\$290	\$330
10mm	10	100	4	BEP	50mm		12481	\$325	\$360
12mm	12	100	4	BEP	50mm		12484	\$375	\$415

Prices effective July 1, 2015

DIAbide Endmills

Corner Radius Profiling (CRP) Endmills

Diameter:	LOC:	OAL:	Flutes:	Inch Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1/32	3/64	2-1/2	4	CRP	1/2	.010	12566	\$120	\$140
1/32	3/32	3	4	CRP	1/2	.005	12726	\$120	\$140
3/64	9/64	3	4	CRP	9/16	.010	12727	\$125	\$145
3/64	3/64	2-1/2	4	CRP	5/8	.010	12567	\$125	\$145
1/16	3/32	2-1/2	4	CRP	5/8	.010	12568	\$130	\$150
1/16	3/16	3	4	CRP	1	.010	12728	\$130	\$150
5/64	5/64	2-1/2	4	CRP	5/8	.010	12569	\$135	\$160
3/32	9/64	2-1/2	4	CRP	1	.010	12570	\$135	\$160
3/32	9/32	3	4	CRP	1-1/2	.010	12729	\$140	\$165
1/8	1/8	4	4	CRP	1	.015	12455	\$145	\$170
1/8	3/8	3	4	CRP	2	.010	12730	\$145	\$170
1/8	1/8	3	4	CRP	1-1/2	.015	12853	\$145	\$170
1/8	3/4	3	4	CRP	1-1/2	.020	12731	\$145	\$170
1/8	3/4	3	4	CRP	1-1/2	.030	12153	\$145	\$170
3/16	3/16	4	4	CRP	1-1/2	.020	12581	\$170	\$205
1/4	1/4	4	4	CRP	1	.015	12864	\$185	\$220
1/4	1/4	4	4	CRP	2	.062	12458	\$195	\$230
1/4	1/4	4	4	CRP	2	.030	12574	\$195	\$230
1/4	1-1/2	4	4	CRP	2-1/2	.030	12155	\$230	\$265
1/4	1/4	4	4	CRP	2-1/2	.020	12463	\$220	\$255
1/4	1/4	6	4	CRP	3	.020	12577	\$240	\$275
1/4	1	4	4	CRP	2-1/2	.030	12732	\$215	\$250
1/4	1	4	4	CRP	2-1/2	.060	12733	\$215	\$250
3/8	3/8	4	4	CRP	2	.020	12576	\$280	\$315
3/8	3/8	6	4	CRP	3	.020	12578	\$310	\$350
1/2	1/2	4	4	CRP	2	.015	12862	\$345	\$385
1/2	1/2	6	4	CRP	3	.020	12579	\$375	\$415
Diameter:	LOC:	OAL:	Flutes:	Metric Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1mm	3	75	4	CRP	10mm	.2mm	12734	\$130	\$155
2mm	3	75	4	CRP	20mm	.2mm	12735	\$130	\$155
3mm	3	75	4	CRP	20mm	.2mm	12471	\$135	\$160
4mm	4	75	4	CRP	35mm	.5mm	12736	\$165	\$190
6mm	6	100	4	CRP	38mm	.5mm	12474	\$225	\$265
8mm	8	100	4	CRP	50mm	.5mm	12477	\$285	\$325
10mm	10	100	4	CRP	50mm	.5mm	12480	\$315	\$355
12mm	12	100	4	CRP	50mm	.5mm	12483	\$370	\$410

Prices effective July 1, 2015

DIAbide Endmills

Square Endmills (SEM)

Diameter:	LOC:	OAL:	Flutes:	Inch Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1/64	3/64	1-1/2	4	SEM			12121	\$130	\$155
1/32	3/32	1-1/2	4	SEM			12103	\$100	\$120
1/16	1/4	1-1/2	4	SEM			12092	\$100	\$120
1/16	1/2	3	4	SEM			12161	\$110	\$130
1/16	1/2	2-1/2	4	SEM			12900	\$115	\$135
5/64	1/4	1-1/2	4	SEM			12111	\$100	\$120
3/32	3/8	1-1/2	4	SEM			12039	\$100	\$120
1/8	1/2	1-1/2	4	SEM			12002	\$105	\$125
1/8	1	3	4	SEM			12040	\$115	\$140
3/16	5/8	2	4	SEM			12005	\$145	\$170
3/16	1	4	4	SEM			12041	\$155	\$185
1/4	3/4	2-1/2	4	SEM			12008	\$155	\$190
1/4	1-1/2	4	4	SEM			12042	\$185	\$220
1/4	1-1/2	6	4	SEM			12043	\$205	\$240
5/16	7/8	2-1/2	4	SEM			12011	\$195	\$230
5/16	1-1/2	4	4	SEM			12044	\$215	\$250
3/8	1	2-1/2	4	SEM			12014	\$220	\$255
3/8	1-1/2	4	4	SEM			12045	\$260	\$300
3/8	1-1/2	6	4	SEM			12046	\$290	\$330
1/2	1	3	4	SEM			12017	\$280	\$320
1/2	2	4	4	SEM			12047	\$325	\$365
1/2	3	6	4	SEM			12019	\$390	\$430
3/4	1-1/2	4	4	SEM			12198	\$565	\$630
1	1-1/2	4	4	SEM			12199	\$760	\$840
Diameter:	LOC:	OAL:	Flutes:	Metric Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1mm	4	38	4	SEM			12115	\$125	\$150
2mm	10	65	4	SEM			12058	\$110	\$130
3mm	15	40	4	SEM			12059	\$120	\$145
3mm	25	75	4	SEM			12060	\$120	\$145
4mm	15	50	4	SEM			12061	\$140	\$170
4mm	25	75	4	SEM			12062	\$145	\$175
6mm	20	60	4	SEM			12063	\$170	\$205
6mm	40	150	4	SEM			12065	\$255	\$290
8mm	20	65	4	SEM			12066	\$235	\$270
8mm	40	100	4	SEM			12067	\$265	\$300
10mm	26	65	4	SEM			12068	\$310	\$350
10mm	40	150	4	SEM			12070	\$355	\$400
12mm	30	75	4	SEM			12071	\$330	\$370
12mm	50	100	4	SEM			12072	\$350	\$390
12mm	75	150	4	SEM			12073	\$375	\$415

Prices effective July 1, 2015

DIAbide Endmills

Ball Endmills (BEM)

Diameter:	LOC:	OAL:	Flutes:	Inch Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1/64	3/64	1-1/2	2	BEM			12179	\$140	\$165
1/32	1/4	3	4	BEM			12181	\$105	\$130
3/64	3/16	1-1/2	4	BEM			12109	\$105	\$130
1/16	1/2	3	4	BEM			12183	\$115	\$135
1/16	1/4	1-1/2	4	BEM			12182	\$105	\$125
5/64	1	3	4	BEM			12901	\$120	\$145
3/32	1/2	3	4	BEM			12185	\$120	\$145
3/32	1	3	4	BEM			12902	\$135	\$160
1/8	1/2	1-1/2	4	BEM			12021	\$115	\$135
1/8	1	3	4	BEM			12049	\$130	\$155
3/16	5/8	2	4	BEM			12024	\$150	\$180
3/16	1	4	4	BEM			12050	\$165	\$200
1/4	3/4	2-1/2	4	BEM			12190	\$165	\$200
1/4	1-1/2	4	4	BEM			12191	\$190	\$225
1/4	2	4	4	BEM			12905	\$200	\$235
1/4	1-1/2	6	4	BEM			12052	\$235	\$270
5/16	13/16	2-1/2	4	BEM			12737	\$200	\$230
5/16	1-1/2	4	4	BEM			12053	\$225	\$260
5/16	1-1/2	6	4	BEM			12371	\$260	\$295
3/8	1-1/2	6	4	BEM			12055	\$300	\$340
3/8	1	2-1/2	4	BEM			12033	\$230	\$270
3/8	1-1/2	4	4	BEM			12054	\$270	\$310
1/2	1	3	4	BEM			12036	\$290	\$330
1/2	2	4	4	BEM			12195	\$340	\$380
1/2	3	6	4	BEM			12038	\$420	\$460
3/4	1-1/2	4	4	BEM			12200	\$580	\$645
1	1-1/2	4	4	BEM			12201	\$775	\$860
Diameter:	LOC:	OAL:	Flutes:	Metric Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1mm	4	38	4	BEM			12117	\$125	\$150
2mm	10	65	4	BEM			12075	\$110	\$130
3mm	15	40	4	BEM			12076	\$125	\$150
3mm	25	75	4	BEM			12077	\$125	\$150
4mm	15	50	4	BEM			12078	\$145	\$175
4mm	25	75	4	BEM			12079	\$150	\$180
6mm	20	60	4	BEM			12080	\$185	\$225
6mm	40	150	4	BEM			12082	\$270	\$305
8mm	20	65	4	BEM			12083	\$250	\$285
8mm	40	100	4	BEM			12084	\$280	\$315
10mm	26	65	4	BEM			12085	\$325	\$385
10mm	40	150	4	BEM			12087	\$365	\$405
12mm	30	75	4	BEM			12088	\$395	\$385
12mm	50	100	4	BEM			12089	\$375	\$415
12mm	75	150	4	BEM			12090	\$400	\$440

Prices effective July 1, 2015

DIAbide Endmills

Corner Radius Endmills (CRM)

Diameter:	LOC:	OAL:	Flutes:	Inch		Reach:	Radius:	sp3 Part #:	List Price:	
				Type:					-05	-07
1/16	1/4	1-1/2	4	CRM			.010	12351	\$110	\$130
1/16	1/4	1-1/2	4	CRM			.015	12123	\$110	\$130
1/8	1/2	1-1/2	4	CRM			.015	12095	\$115	\$135
1/8	1/2	1-1/2	4	CRM			.020	12358	\$115	\$135
1/8	1	3	4	CRM			.030	12124	\$125	\$145
3/16	5/8	2	4	CRM			.020	12362	\$145	\$170
3/16	5/8	2	4	CRM			.030	12363	\$145	\$170
1/4	3/4	2-1/2	4	CRM			.020	12365	\$160	\$195
1/4	3/4	2-1/2	4	CRM			.030	12125	\$160	\$195
1/4	1-1/2	4	4	CRM			.030	12099	\$185	\$220
3/8	1	2-1/2	4	CRM			.020	12372	\$225	\$260
3/8	1	2-1/2	4	CRM			.030	12373	\$225	\$260
1/2	1	3	4	CRM			.030	12375	\$285	\$325
1/2	1	3	4	CRM			.062	12376	\$285	\$325
1/2	1-1/2	4	4	CRM			.030	12379	\$305	\$345
1/2	3	6	4	CRM			.030	12101	\$400	\$440
Diameter:	LOC:	OAL:	Flutes:	Metric		Reach:	Radius:	sp3 Part #:	List Price:	
				Type:					-05	-07
1mm	3	75	4	CRM			.2mm	12738	\$130	\$155
2mm	3	75	4	CRM			.2mm	12739	\$120	\$145
3mm	3	75	4	CRM			.2mm	12740	\$125	\$150
4mm	4	75	4	CRM			.5mm	12741	\$150	\$180
6mm	6	100	4	CRM			.5mm	12742	\$185	\$220
8mm	8	100	4	CRM			.5mm	12743	\$270	\$305
10mm	10	100	4	CRM			.5mm	12744	\$315	\$350
12mm	12	100	4	CRM			.5mm	12745	\$360	\$400

Prices effective July 1, 2015

DIAbide Endmills

Ultra Premium Endmills (various styles)

Diameter:	LOC:	OAL:	Flutes:	Inch Type:	Reach:	Radius:	sp3 Part #:	List Price:	
								-05	-07
1/16	1/4	1-1/2	4	CRM		.010	12409	\$130	n/a
5/64	1/4	1-1/2	4	BEM			12417	\$125	n/a
3/32	3/8	1-1/2	4	CRM		.010	12410	\$115	n/a
3/32	3/8	1-1/2	4	CRP	15/16	.010	12448	\$120	n/a
1/8	1/2	1-1/2	4	SEM			12404	\$120	n/a
1/8	1/2	1-1/2	4	CRM		.015	12425	\$125	n/a
1/8	1/2	2-1/2	4	BEM			12418	\$130	n/a
1/8	3/4	3	4	SEP	1-1/2		12400	\$140	n/a
1/8	3/4	3	4	CRP	1-1/2	.015	12402	\$165	n/a
1/8	3/4	3	4	SEP	1-1/2		12403	\$145	n/a
1/8	1	3	4	SEM			12405	\$130	n/a
1/8	1	3	4	CRM		.015	12411	\$140	n/a
1/8	1	3	4	BEM			12419	\$145	n/a
1/4	3/4	2-1/2	4	SEM			12406	\$175	n/a
1/4	3/4	2-1/2	4	BEM			12420	\$185	n/a
1/4	3/4	2-1/2	4	CRM		.015	12449	\$180	n/a
1/4	1	4	4	SEP	2-1/2		12401	\$200	n/a
1/4	1-1/2	4	4	CRM		.015	12412	\$190	n/a
3/8	7/8	2-1/2	4	CRM		.020	12414	\$250	n/a
3/8	7/8	2-1/2	4	SEM			12407	\$245	n/a
3/8	7/8	2-1/2	4	BEM			12421	\$250	n/a
3/8	7/8	2-1/2	4	CRM		.015	12426	\$250	n/a
3/8	1-1/2	4	4	CRM		.020	12415	\$255	n/a
3/8	1-1/2	4	4	BEM			12422	\$265	n/a
1/2	1	3	4	SEM			12408	\$310	n/a
1/2	1	3	4	CRM		.030	12416	\$315	n/a
1/2	1	3	4	BEM			12423	\$325	n/a

Prices effective July 1, 2015

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes DIN / Standard Style Shank Sizes

Size:	Dec. Equiv.	LOC:	OAL:	Shank Size	Shank Length	Reach Length	Old Part Number	New Part Number	List Price:	
									-05	-07
#70	0.0280	5/16	2	1/8	1 7/16	9/16	13100-	0.0280 DRILL - XX	\$115	\$135
#69	0.0292	5/16	2	1/8	1 7/16	9/16	13101-	0.0292 DRILL - XX	\$115	\$135
#68	0.0310	5/16	2	1/8	1 7/16	9/16	13102-	0.0310 DRILL - XX	\$115	\$135
1/32	0.0312	5/16	2	1/8	1 7/16	9/16	13103-	0.0312 DRILL - XX	\$115	\$135
#67	0.0320	5/16	2	1/8	1 7/16	9/16	13104-	0.0320 DRILL - XX	\$115	\$135
#66	0.0330	5/16	2	1/8	1 7/16	9/16	13105-	0.0330 DRILL - XX	\$115	\$135
#65	0.0350	5/8	2	1/8	1 1/8	7/8	13106-	0.0350 DRILL - XX	\$115	\$135
#64	0.0366	5/8	2	1/8	1 1/8	7/8	13107-	0.0366 DRILL - XX	\$115	\$135
#63	0.0370	5/8	2	1/8	1 1/8	7/8	13108-	0.0370 DRILL - XX	\$115	\$135
#62	0.0380	5/8	2	1/8	1 1/8	7/8	13109-	0.0380 DRILL - XX	\$115	\$135
#61	0.0390	5/8	2	1/8	1 1/8	7/8	13110-	0.0390 DRILL - XX	\$115	\$135
#60	0.0400	3/4	2 1/2	1/8	1 1/2	1	13112-	0.0400 DRILL - XX	\$120	\$140
#59	0.0410	3/4	2 1/2	1/8	1 1/2	1	13113-	0.0410 DRILL - XX	\$120	\$140
#58	0.0420	3/4	2 1/2	1/8	1 1/2	1	13114-	0.0420 DRILL - XX	\$120	\$140
#57	0.0430	3/4	2 1/2	1/8	1 1/2	1	13115-	0.0430 DRILL - XX	\$120	\$140
#56	0.0465	3/4	2 1/2	1/8	1 1/2	1	13116-	0.0465 DRILL - XX	\$120	\$140
3/64	0.0469	3/4	2 1/2	1/8	1 1/2	1	13117-	0.0469 DRILL - XX	\$120	\$140
#55	0.0520	3/4	2 1/2	1/8	1 1/2	1	13118-	0.0520 DRILL - XX	\$120	\$140
#54	0.0550	3/4	2 1/2	1/8	1 1/2	1	13119-	0.0550 DRILL - XX	\$120	\$140
#53	0.0595	3/4	2 1/2	1/8	1 1/2	1	13121-	0.0595 DRILL - XX	\$120	\$140
1/16	0.0625	3/4	2 1/2	1/8	1 1/2	1	13122-	0.0625 DRILL - XX	\$120	\$140
#52	0.0635	3/4	2 1/2	1/8	1 1/2	1	13123-	0.0635 DRILL - XX	\$120	\$140
#51	0.0670	3/4	2 1/2	1/8	1 1/2	1	13124-	0.0670 DRILL - XX	\$120	\$140
#50	0.0700	7/8	2 1/2	1/8	1 3/8	1 1/8	13125-	0.0700 DRILL - XX	\$120	\$140
#49	0.0730	7/8	2 1/2	1/8	1 3/8	1 1/8	13126-	0.0730 DRILL - XX	\$120	\$140
#48	0.0760	7/8	2 1/2	1/8	1 3/8	1 1/8	13127-	0.0760 DRILL - XX	\$120	\$140
5/64	0.0781	7/8	2 1/2	1/8	1 3/8	1 1/8	13128-	0.0781 DRILL - XX	\$120	\$140
#47	0.0785	7/8	2 1/2	1/8	1 3/8	1 1/8	13129-	0.0785 DRILL - XX	\$120	\$140
#46	0.0810	7/8	2 1/2	1/8	1 3/8	1 1/8	13131-	0.0810 DRILL - XX	\$120	\$140
#45	0.0820	7/8	2 1/2	1/8	1 3/8	1 1/8	13132-	0.0820 DRILL - XX	\$120	\$140
#44	0.0860	1	2 1/2	1/8	1 1/4	1 1/4	13133-	0.0860 DRILL - XX	\$120	\$140
#43	0.0890	1	2 1/2	1/8	1 1/4	1 1/4	13134-	0.0890 DRILL - XX	\$120	\$140
#42	0.0935	1	2 1/2	1/8	1 1/4	1 1/4	13135-	0.0935 DRILL - XX	\$120	\$140
3/32	0.0938	1	2 1/2	1/8	1 1/4	1 1/4	13136-	0.0938 DRILL - XX	\$120	\$140
#41	0.0960	1	2 1/2	1/8	1 1/4	1 1/4	13137-	0.0960 DRILL - XX	\$120	\$140
#40	0.0980	1	2 1/2	1/8	1 1/4	1 1/4	13138-	0.0980 DRILL - XX	\$120	\$140
#39	0.0995	1 1/4	3	1/8	1 1/2	1 1/2	13140-	0.0995 DRILL - XX	\$125	\$145
#38	0.1015	1 1/4	3	1/8	1 1/2	1 1/2	13141-	0.1015 DRILL - XX	\$125	\$145
#37	0.1040	1 1/4	3	1/8	1 1/2	1 1/2	13149-	0.1040 DRILL - XX	\$125	\$145
#36	0.1065	1 1/4	3	1/8	1 1/2	1 1/2	13150-	0.1065 DRILL - XX	\$125	\$145
7/64	0.1094	1 1/4	3	1/8	1 1/2	1 1/2	13142-	0.1094 DRILL - XX	\$125	\$145
#35	0.1100	1 1/4	3	1/8	1 1/2	1 1/2	13143-	0.1100 DRILL - XX	\$125	\$145
#34	0.1110	1 1/4	3	1/8	1 1/2	1 1/2	13144-	0.1110 DRILL - XX	\$125	\$145
#33	0.1130	1 1/4	3	1/8	1 1/2	1 1/2	13145-	0.1130 DRILL - XX	\$125	\$145
#32	0.1160	1 1/4	3	1/8	1 1/2	1 1/2	13146-	0.1160 DRILL - XX	\$125	\$145
#31	0.1200	1 1/4	3	1/8	1 1/2	1 1/2	13148-	0.1200 DRILL - XX	\$125	\$145
1/8	0.1250	1 1/4	3	1/8	1 1/2	1 1/2	13001-	0.1250 DRILL - XX	\$125	\$145
#30	0.1285	1 3/8	3	3/16	1 3/8	1 5/8	13002-	0.1285 DRILL - XX	\$150	\$175
#29	0.1360	1 3/8	3	3/16	1 3/8	1 5/8	13003-	0.1360 DRILL - XX	\$150	\$175
#28	0.1405	1 3/8	3	3/16	1 3/8	1 5/8	13005-	0.1405 DRILL - XX	\$150	\$175
9/64	0.1406	1 3/8	3	3/16	1 3/8	1 5/8	13006-	0.1406 DRILL - XX	\$150	\$175
#27	0.1440	1 3/8	3	3/16	1 3/8	1 5/8	13007-	0.1440 DRILL - XX	\$150	\$175
#26	0.1470	1 3/8	3	3/16	1 3/8	1 5/8	13008-	0.1470 DRILL - XX	\$150	\$175

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes DIN / Standard Style Shank Sizes

Size:	Dec. Equiv.	LOC:	OAL:	Shank Size	Shank Length	Reach Length	Old Part Number	New Part Number	List Price:	
									-05	-07
#25	0.1495	1 3/8	3	3/16	1 3/8	1 5/8	13009-	0.1495 DRILL - XX	\$150	\$175
#24	0.1520	1 3/8	3	3/16	1 3/8	1 5/8	13010-	0.1520 DRILL - XX	\$150	\$175
#23	0.1540	1 3/8	3	3/16	1 3/8	1 5/8	13011-	0.1540 DRILL - XX	\$150	\$175
5/32	0.1562	1 3/8	3	3/16	1 3/8	1 5/8	13012-	0.1562 DRILL - XX	\$150	\$175
#22	0.1570	1 3/8	3	3/16	1 3/8	1 5/8	13013-	0.1570 DRILL - XX	\$150	\$175
#21	0.1590	1 3/8	3	3/16	1 3/8	1 5/8	13015-	0.1590 DRILL - XX	\$150	\$175
#20	0.0161	1 3/8	3	3/16	1 3/8	1 5/8	13016-	0.1610 DRILL - XX	\$150	\$175
#19	0.1660	1 5/8	3	3/16	1 1/8	1 7/8	13017-	0.1660 DRILL - XX	\$150	\$175
#18	0.1695	1 5/8	3	3/16	1 1/8	1 7/8	13018-	0.1695 DRILL - XX	\$150	\$175
11/64	0.1719	1 5/8	3	3/16	1 1/8	1 7/8	13019-	0.1719 DRILL - XX	\$150	\$175
#17	0.1730	1 5/8	3	3/16	1 1/8	1 7/8	13020-	0.1730 DRILL - XX	\$150	\$175
#16	0.1770	1 5/8	3	3/16	1 1/8	1 7/8	13021-	0.1770 DRILL - XX	\$150	\$175
#15	0.1800	1 5/8	3	3/16	1 1/8	1 7/8	13023-	0.1800 DRILL - XX	\$150	\$175
#14	0.1820	1 5/8	3	3/16	1 1/8	1 7/8	13024-	0.1820 DRILL - XX	\$150	\$175
#13	0.1850	1 5/8	3	3/16	1 1/8	1 7/8	13025-	0.1850 DRILL - XX	\$150	\$175
3/16	0.1875	1 5/8	3	3/16	1 1/8	1 7/8	13026-	0.1875 DRILL - XX	\$150	\$175
#12	0.1890	1 5/8	3	1/4	1 1/8	1 7/8	13027-	0.1890 DRILL - XX	\$185	\$215
#11	0.1910	1 5/8	3	1/4	1 1/8	1 7/8	13028-	0.1910 DRILL - XX	\$185	\$215
#10	0.1935	1 5/8	3	1/4	1 1/8	1 7/8	13029-	0.1935 DRILL - XX	\$185	\$215
#9	0.1960	1 5/8	3 1/2	1/4	1 1/2	2	13030-	0.1960 DRILL - XX	\$190	\$220
#8	0.1990	1 5/8	3 1/2	1/4	1 1/2	2	13032-	0.1990 DRILL - XX	\$190	\$220
#7	0.2010	1 5/8	3 1/2	1/4	1 1/2	2	13033-	0.2010 DRILL - XX	\$190	\$220
13/64	0.2031	1 5/8	3 1/2	1/4	1 1/2	2	13034-	0.2031 DRILL - XX	\$190	\$220
#6	0.2040	1 5/8	3 1/2	1/4	1 1/2	2	13035-	0.2040 DRILL - XX	\$190	\$220
#5	0.2055	1 5/8	3 1/2	1/4	1 1/2	2	13036-	0.2055 DRILL - XX	\$190	\$220
#4	0.2090	1 5/8	3 1/2	1/4	1 1/2	2	13037-	0.2090 DRILL - XX	\$190	\$220
#3	0.2130	1 5/8	3 1/2	1/4	1 1/2	2	13038-	0.2130 DRILL - XX	\$190	\$220
7/32	0.2188	1 5/8	3 1/2	1/4	1 1/2	2	13040-	0.2188 DRILL - XX	\$190	\$220
#2	0.2210	1 5/8	3 1/2	1/4	1 1/2	2	13041-	0.2210 DRILL - XX	\$190	\$220
#1	0.2280	1 5/8	3 1/2	1/4	1 1/2	2	13042-	0.2280 DRILL - XX	\$190	\$220
A	0.2340	2	3 1/2	1/4	1 1/4	2 1/4	13043-	0.2340 DRILL - XX	\$190	\$220
15/64	0.2344	2	3 1/2	1/4	1 1/4	2 1/4	13044-	0.2344 DRILL - XX	\$190	\$220
B	0.2380	2	3 1/2	1/4	1 1/4	2 1/4	13046-	0.2380 DRILL - XX	\$190	\$220
C	0.2420	2	3 1/2	1/4	1 1/4	2 1/4	13047-	0.2420 DRILL - XX	\$190	\$220
D	0.2460	2	3 1/2	1/4	1 1/4	2 1/4	13048-	0.2460 DRILL - XX	\$190	\$220
1/4	0.2500	2	3 1/2	1/4	1 1/4	2 1/4	13049-	0.2500 DRILL - XX	\$190	\$220
F	0.2570	2	3 1/2	5/16	1 1/4	2 1/4	13051-	0.2570 DRILL - XX	\$225	\$255
G	0.2610	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13052-	0.2610 DRILL - XX	\$225	\$255
17/64	0.2656	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13053-	0.2656 DRILL - XX	\$225	\$255
H	0.2660	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13054-	0.2660 DRILL - XX	\$225	\$255
I	0.2720	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13055-	0.2720 DRILL - XX	\$225	\$255
J	0.2770	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13057-	0.2770 DRILL - XX	\$225	\$255
K	0.2810	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13058-	0.2810 DRILL - XX	\$225	\$255
9/32	0.2812	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13059-	0.2812 DRILL - XX	\$225	\$255
L	0.2900	2 1/8	3 1/2	5/16	1 1/8	2 3/8	13060-	0.2900 DRILL - XX	\$225	\$255
M	0.2950	2 3/8	4	5/16	1 3/8	2 5/8	13061-	0.2950 DRILL - XX	\$225	\$255
19/64	0.2969	2 3/8	4	5/16	1 3/8	2 5/8	13063-	0.2969 DRILL - XX	\$225	\$255
N	0.3020	2 3/8	4	5/16	1 3/8	2 5/8	13064-	0.3020 DRILL - XX	\$225	\$255
5/16	0.3125	2 3/8	4	5/16	1 3/8	2 5/8	13065-	0.3125 DRILL - XX	\$225	\$255
O	0.3160	2 3/8	4	3/8	1 3/8	2 5/8	13067-	0.3160 DRILL - XX	\$260	\$295
P	0.3230	2 3/8	4	3/8	1 3/8	2 5/8	13068-	0.3230 DRILL - XX	\$260	\$295
21/64	0.3281	2 1/2	4	3/8	1 1/4	2 3/4	13069-	0.3281 DRILL - XX	\$260	\$295
Q	0.3320	2 1/2	4	3/8	1 1/4	2 3/4	13070-	0.3320 DRILL - XX	\$260	\$295

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes DIN / Standard Style Shank Sizes

Size:	Dec. Equiv.	LOC:	OAL:	Shank Size	Shank Length	Reach Length	Old Part Number	New Part Number	List Price:	
									-05	-07
R	0.3390	2 1/2	4	3/8	1 1/4	2 3/4	13072-	0.3390 DRILL - XX	\$260	\$295
11/32	0.3438	2 1/2	4	3/8	1 1/4	2 3/4	13073-	0.3438 DRILL - XX	\$260	\$295
S	0.3480	2 1/2	4	3/8	1 1/4	2 3/4	13074-	0.3480 DRILL - XX	\$260	\$295
T	0.3580	2 3/4	4 1/2	3/8	1 1/2	3	13076-	0.3580 DRILL - XX	\$275	\$310
23/64	0.3594	2 3/4	4 1/2	3/8	1 1/2	3	13077-	0.3594 DRILL - XX	\$275	\$310
U	0.3680	2 3/4	4 1/2	3/8	1 1/2	3	13078-	0.3680 DRILL - XX	\$275	\$310
3/8	0.3750	2 3/4	4 1/2	3/8	1 1/2	3	13080-	0.3750 DRILL - XX	\$275	\$310
V	0.3770	2 3/4	4 1/2	7/16	1 1/2	3	13081-	0.3770 DRILL - XX	\$340	\$355
W	0.3860	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13082-	0.3860 DRILL - XX	\$340	\$355
25/64	0.3906	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13083-	0.3906 DRILL - XX	\$340	\$355
X	0.3970	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13085-	0.3970 DRILL - XX	\$340	\$355
Y	0.4040	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13086-	0.4040 DRILL - XX	\$340	\$355
13/32	0.4062	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13087-	0.4062 DRILL - XX	\$340	\$355
Z	0.4130	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13088-	0.4130 DRILL - XX	\$340	\$355
27/64	0.4219	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13090-	0.4219 DRILL - XX	\$340	\$355
7/16	0.4375	2 7/8	4 1/2	7/16	1 3/8	3 1/8	13092-	0.4375 DRILL - XX	\$340	\$355
29/64	0.4531	3	5	1/2	1 3/4	3 1/4	13094-	0.4531 DRILL - XX	\$355	\$370
15/32	0.4688	3	5	1/2	1 3/4	3 1/4	13095-	0.4688 DRILL - XX	\$355	\$370
31/64	0.4844	3	5	1/2	1 3/4	3 1/4	13097-	0.4844 DRILL - XX	\$355	\$370
1/2	0.5000	3	5	1/2	1 3/4	3 1/4	13099-	0.5000 DRILL - XX	\$355	\$370
5/8	0.6250	4	6	5/8	1 1/2	4 1/4	13154-	0.6250 DRILL - XX	\$470	\$525
3/4	0.7500	4	6	3/4	1 1/2	4 1/4	13155-	0.7500 DRILL - XX	\$570	\$630
Size (mm)	Dec. Equiv.	LOC (mm)	OAL (mm)	Shank Size	Shank Length	Reach Length	Part Number	Proposed Part #	List Price:	
									-05	-07
1.00	0.0393	16	60	3mm	38	22	13111-	0.0393 DRILL - XX	\$120	\$135
1.50	0.0591	19	60	3mm	35	25	13120-	0.0591 DRILL - XX	\$120	\$135
2.00	0.0787	22	60	3mm	32	28	13130-	0.0787 DRILL - XX	\$120	\$135
2.50	0.0984	26	65	3mm	33	32	13139-	0.0984 DRILL - XX	\$125	\$145
3.00	0.1181	32	75	3mm	37	38	13147-	0.1181 DRILL - XX	\$130	\$150
3.25	0.1279	35	75	4mm	34	41	13151-	0.1279 DRILL - XX	\$155	\$180
3.50	0.1378	35	75	4mm	34	41	13004-	0.1378 DRILL - XX	\$155	\$180
4.00	0.1575	35	75	4mm	34	41	13014-	0.1575 DRILL - XX	\$155	\$180
4.50	0.1772	41	100	6mm	53	47	13022-	0.1772 DRILL - XX	\$180	\$205
5.00	0.1969	45	100	6mm	49	51	13031-	0.1969 DRILL - XX	\$205	\$235
5.50	0.2165	45	100	6mm	49	51	13039-	0.2165 DRILL - XX	\$205	\$235
6.00	0.2362	51	100	6mm	43	57	13045-	0.2362 DRILL - XX	\$205	\$235
6.50	0.2559	51	100	8mm	43	57	13050-	0.2559 DRILL - XX	\$245	\$275
7.00	0.2756	54	100	8mm	40	60	13056-	0.2756 DRILL - XX	\$245	\$275
7.50	0.2953	61	100	8mm	33	67	13062-	0.2953 DRILL - XX	\$245	\$275
8.00	0.3150	61	100	8mm	33	67	13066-	0.3150 DRILL - XX	\$260	\$290
8.50	0.3346	61	100	10mm	33	67	13071-	0.3346 DRILL - XX	\$260	\$290
9.00	0.3543	70	125	10mm	49	76	13075-	0.3543 DRILL - XX	\$290	\$325
9.50	0.3740	70	125	10mm	49	76	13079-	0.3740 DRILL - XX	\$290	\$325
10.00	0.3937	73	150	10mm	71	79	13084-	0.3937 DRILL - XX	\$330	\$350
10.50	0.4134	73	150	12mm	71	79	13089-	0.4134 DRILL - XX	\$360	\$375
11.00	0.4331	73	150	12mm	71	79	13091-	0.4331 DRILL - XX	\$360	\$375
11.50	0.4528	76	150	12mm	68	82	13093-	0.4528 DRILL - XX	\$360	\$375
12.00	0.4724	76	150	12mm	68	82	13096-	0.4724 DRILL - XX	\$360	\$375
12.50	0.4921	76	150	14mm	68	82	13098-	0.4921 DRILL - XX	\$400	\$420

Prices effective July 1, 2015

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes Full Length Shank Size Style

Size:	Dec. Equiv.	LOC:	OAL:	sp3 Part #:	List Price: -05 -07
#70	0.0280	5/16	1-1/4	13100	call for pricing
#69	0.0292	5/16	1-1/4	13101	call for pricing
#68	0.0310	5/16	1-1/4	13102	call for pricing
1/32	0.0312	5/16	1-1/4	13103	call for pricing
#67	0.0320	5/16	1-1/4	13104	call for pricing
#66	0.0330	5/16	1-1/4	13105	call for pricing
#65	0.0350	5/8	1-1/2	13106	call for pricing
#64	0.0366	5/8	1-1/2	13107	call for pricing
#63	0.0370	5/8	1-1/2	13108	call for pricing
#62	0.0380	5/8	1-1/2	13109	call for pricing
#61	0.0390	5/8	1-1/2	13110	call for pricing
#60	0.0400	3/4	1-1/2	13112	call for pricing
#59	0.0410	3/4	1-1/2	13113	call for pricing
#58	0.0420	3/4	1-1/2	13114	call for pricing
#57	0.0430	3/4	1-1/2	13115	call for pricing
#56	0.0465	3/4	1-1/2	1311	call for pricing
3/64	0.0469	3/4	1-1/2	13117	call for pricing
#55	0.0520	3/4	1-1/2	13118	call for pricing
#54	0.0550	3/4	1-1/2	13119	call for pricing
#53	0.0595	3/4	1-1/2	13121	call for pricing
1/16	0.0625	3/4	1-1/2	13122	call for pricing
#52	0.0635	3/4	1-1/2	13123	call for pricing
#51	0.0670	3/4	1-1/2	13124	call for pricing
#50	0.0700	7/8	1-3/4	13125	call for pricing
#49	0.0730	7/8	1-3/4	13126	call for pricing
#48	0.0760	7/8	1-3/4	13127	call for pricing
5/64	0.0781	7/8	1-3/4	13128	call for pricing
#47	0.0785	7/8	1-3/4	13129	call for pricing
#46	0.0810	7/8	1-3/4	13131	call for pricing
#45	0.0820	7/8	1-3/4	13132	call for pricing
#44	0.0860	1	2	13133	call for pricing
#43	0.0890	1	2	13134	call for pricing
#42	0.0935	1	2	13135	call for pricing
3/32	0.0938	1	2	13136	call for pricing
#41	0.0960	1	2	13137	call for pricing
#40	0.0980	1	2	13138	call for pricing
#39	0.0995	1-1/4	2-1/4	13140	call for pricing
#38	0.1015	1-1/4	2-1/4	13141	call for pricing
#37	0.1040	1-1/4	2-1/4	13149	call for pricing
#36	0.1065	1-1/4	2-1/4	13150	call for pricing
7/64	0.1094	1-1/4	2-1/4	13142	call for pricing
#35	0.1100	1-1/4	2-1/4	13143	call for pricing
#34	0.1110	1-1/4	2-1/4	13144	call for pricing
#33	0.1130	1-1/4	2-1/4	13145	call for pricing
#32	0.1160	1-1/4	2-1/4	13146	call for pricing

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes Full Length Shank Size Style

Size:	Dec. Equiv.	LOC:	OAL:	sp3 Part #:	List Price: -05 -07
#31	0.1200	1-1/4	2-1/4	13148	call for pricing
1/8	0.1250	1-1/4	2-1/4	13001	call for pricing
#30	0.1285	1-3/8	2-1/2	13002	call for pricing
#29	0.1360	1-3/8	2-1/2	13003	call for pricing
#28	0.1405	1-3/8	2-1/2	13005	call for pricing
9/64	0.1406	1-3/8	2-1/2	13006	call for pricing
#27	0.1440	1-3/8	2-1/2	13007	call for pricing
#26	.01470	1-3/8	2-1/2	13008	call for pricing
#25	0.1495	1-3/8	2-1/2	13009	call for pricing
#24	0.1520	1-3/8	2-1/2	13010	call for pricing
#23	0.1540	1-3/8	2-1/2	13011	call for pricing
5/32	0.1562	1-3/8	2-1/2	13012	call for pricing
#22	0.1570	1-3/8	2-1/2	13013	call for pricing
#21	0.1590	1-3/8	2-1/2	13015	call for pricing
#20	0.1610	1-3/8	2-1/2	13016	call for pricing
#19	0.1660	1-5/8	2-3/4	13017	call for pricing
#18	0.1695	1-5/8	2-3/4	13018	call for pricing
11/64	0.1719	1-5/8	2-3/4	13019	call for pricing
#17	0.1730	1-5/8	2-3/4	13020	call for pricing
#16	0.1770	1-5/8	2-3/4	13021	call for pricing
#15	0.1800	1-5/8	2-3/4	13023	call for pricing
#14	0.1820	1-5/8	2-3/4	13024	call for pricing
#13	0.1850	1-5/8	2-3/4	13025	call for pricing
3/16	0.1875	1-5/8	2-3/4	13026	call for pricing
#12	0.1890	1-5/8	2-3/4	13027	call for pricing
#11	0.1910	1-5/8	2-3/4	13028	call for pricing
#10	0.1935	1-5/8	2-3/4	13029	call for pricing
#9	0.1960	1-3/4	3	13030	call for pricing
#8	0.1990	1-3/4	3	13032	call for pricing
#7	0.2010	1-3/4	3	13033	call for pricing
13/64	0.2031	1-3/4	3	13034	call for pricing
#6	0.2040	1-3/4	3	13035	call for pricing
#5	0.2055	1-3/4	3	13036	call for pricing
#4	0.2090	1-3/4	3	13037	call for pricing
#3	0.2130	1-3/4	3	13038	call for pricing
7/32	0.2188	1-3/4	3	13040	call for pricing
#2	0.2210	1-3/4	3	13041	call for pricing
#1	0.2280	1-3/4	3	13042	call for pricing
A	0.2340	2	3-1/4	13043	call for pricing
15/64	0.2344	2	3-1/4	13044	call for pricing
B	0.2380	2	3-1/4	13046	call for pricing
C	0.2420	2	3-1/4	13047	call for pricing
D	0.2460	2	3-1/4	13048	call for pricing
1/4	0.2500	2	3-1/4	13049	call for pricing
	0.2510	2	3-1/4	13166	call for pricing

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes Full Length Shank Size Style

Size:	Dec. Equiv.	LOC:	OAL:	sp3 Part #:	List Price:
					-05 -07
F	0.2570	2	3-1/4	13051	call for pricing
G	0.2610	2-1/8	3-1/2	13052	call for pricing
17/64	0.2656	2-1/8	3-1/2	13053	call for pricing
H	0.2660	2-1/8	3-1/2	13054	call for pricing
I	0.2720	2-1/8	3-1/2	13055	call for pricing
J	0.2770	2-1/8	3-1/2	13057	call for pricing
K	0.2810	2-1/8	3-1/2	13058	call for pricing
9/32	0.2812	2-1/8	3-1/2	13059	call for pricing
L	0.2900	2-1/8	3-1/2	13060	call for pricing
M	0.2950	2-1/8	3-1/2	13061	call for pricing
19/64	0.2969	2-1/8	3-1/2	13063	call for pricing
M	0.3020	2-3/8	4	13064	call for pricing
5/16	0.3125	2-3/8	4	13065	call for pricing
O	0.3160	2-3/8	4	13067	call for pricing
P	0.3230	2-3/8	4	13068	call for pricing
21/64	0.3281	2-1/2	4	13069	call for pricing
Q	0.3320	2-1/2	4	13070	call for pricing
R	0.3390	2-1/2	4	13072	call for pricing
11/32	0.3438	2-1/2	4	13073	call for pricing
S	0.3480	2-1/2	4	13074	call for pricing
T	0.3580	2-3/4	4-1/4	13076	call for pricing
23/64	0.3594	2-3/4	4-1/4	13077	call for pricing
U	0.3680	2-3/4	4-1/4	13078	call for pricing
3/8	0.3750	2-3/4	4-1/4	13080	call for pricing
V	0.3770	2-3/4	4-1/4	13081	call for pricing
W	0.3860	2-7/8	4-1/2	13082	call for pricing
25/64	0.3906	2-7/8	4-1/2	13083	call for pricing
X	0.3970	2-7/8	4-1/2	13085	call for pricing
Y	0.4040	2-7/8	4-1/2	13086	call for pricing
13/32	0.4062	2-7/8	4-1/2	13087	call for pricing
Z	0.4130	2-7/8	4-1/2	13088	call for pricing
27/64	0.4219	2-7/8	4-1/2	13090	call for pricing
7/16	0.4375	2-7/8	4-1/2	13092	call for pricing
29/64	0.4531	3	4-3/4	13094	call for pricing
15/32	0.4688	3	4-3/4	13095	call for pricing
31/64	0.4844	3	4-3/4	13097	call for pricing
1/2	0.5000	3	4-3/4	13099	call for pricing
5/8	0.6250	4	6	13154	call for pricing
3/4	0.7500	4	6	13155	call for pricing
Size:	Dec. Equiv.	LOC:	OAL:	sp3 Part #:	List Price:
mm	mm	mm	mm		-05 -07
1.00	0.1695	16.0	38	13111	call for pricing
1.50	0.1719	19.0	38	13120	call for pricing
2.00	0.1730	22.0	44	13130	call for pricing

DIAbide Drills

DIAbide Drills - U.S. Fractional & Wire Sizes Full Length Shank Size Style

Size:	Dec. Equiv.	LOC:	OAL:	sp3 Part #:	List Price: -05 -07
2.50	0.1770	25.5	51	13139	call for pricing
3.00	0.1800	32.0	57	13147	call for pricing
3.25	0.1820	35.0	63.5	13151	call for pricing
3.50	0.1850	35.0	63.5	13004	call for pricing
4.00	0.1875	35.0	63.5	13014	call for pricing
4.50	0.1890	41.0	70	13022	call for pricing
5.00	0.1910	44.5	76	13031	call for pricing
5.50	0.1935	44.5	76	13039	call for pricing
6.00	0.1695	51.0	82.5	13045	call for pricing
6.50	0.1719	51.0	82.5	13050	call for pricing
6.70	0.1730	51.0	82.5	13152	call for pricing
7.00	0.1770	54.0	89	13056	call for pricing
7.50	0.1800	60.5	101.5	13062	call for pricing
8.00	0.1820	60.5	101.5	13066	call for pricing
8.40	0.1850	60.5	101.5	13153	call for pricing
8.50	0.1875	60.5	101.5	13071	call for pricing
9.00	0.1890	70.0	108	13075	call for pricing
9.50	0.1910	70.0	108	13079	call for pricing
10.00	0.1935	73.0	114.5	13084	call for pricing
10.50	0.1800	73.0	114.5	13089	call for pricing
11.00	0.1820	73.0	114.5	13091	call for pricing
11.50	0.1850	76.0	120.5	13093	call for pricing
12.00	0.1875	76.0	120.5	13096	call for pricing
12.50	0.1890	76.0	120.5	13098	call for pricing

Prices effective July 1, 2015

DIAbide Inserts

Standard ISO / ANSI Inserts

ANSI ID	ISO ID	I.C.:	sp3 Part #:	List Price
CCMT-21.51	CCMT-060204	1/4	16107-18	\$55
CCMT-21.52	CCMT-060208	1/4	16108-17	\$55
CCMT-32.51	CCMT-09T304	3/8	16109-18	\$70
CCMT-32.52	CCMT-09T308	3/8	16110-18	\$70
CNMP-431	CNMP-120404	1/2	16118-18	\$85
CNMP-432	CNMP-120408	1/2	16119-18	\$85
DCMT-21.52	DCMT-070208	1/4	16155-18	\$65
DCMT-32.51	DCMT-11T304	3/8	16156-18	\$75
DCMT-32.52	DCMT-11T308	3/8	16157-18	\$75
DNMP-431	DNMP-150404	1/2	16159-18	\$90
DNMP-432	DNMP-150408	1/2	16160-18	\$90
TCMT-21.51	TCMT-110204	1/4	16274-18	\$55
TCMT-21.52	TCMT-110208	1/4	16275-18	\$55
TCMT-32.51	TCMT-16T304	3/8	16276-18	\$70
TCMT-32.52	TCMT-16T308	3/8	16277-18	\$70
TPG-221	TPG-110304	1/4	16324-18	\$50
TPG-222	TPG-110308	1/4	16326-18	\$50
TPG-321	TPG-160304	3/8	16327-18	\$60
TPG-322	TPG-160308	3/8	16328-18	\$60
TPG-431	TPG-220404	1/2	16331-18	\$80
TPG-432	TPG-220408	1/2	16332-18	\$80
TPGH-221	TPGH-110304	1/4	16336-18	\$55
TPGH-321	TPGH-160304	3/8	16337-18	\$70
TPGH-322	TPGH-160308	3/8	16338-18	\$70
VBMT-331	VBMT-160404	3/8	16366-18	\$80
VBMT-332	VBMT-160408	3/8	16367-18	\$80
VBMW-331	VBMW-160404	3/8	16368-18	\$80
VNMP-331	VNMP-160404	3/8	16381-18	\$75
VNMP-332	VNMP-160408	3/8	16382-18	\$75

Prices effective July 1, 2015

DIAbide Inserts

Standard Profiling Inserts (Millstar & Dapra)

Diameter	Ball Nose Description	sp3 Part #:	List Price
3/8	BNR 0375 N	16902-05	\$130
1/2	BNR 0500 N	16903-05	\$140
5/8	BNR 0625 N	16904-05	\$165
3/4	BNR 0750 N	16905-05	\$185
1	BNR 1000 N	16906-05	\$230

Diameter	Flat Bottom Description	sp3 Part #:	List Price
1/2	FBR 0500 N	16912-05	\$140
5/8	FBR 0625 N	16913-05	\$160
3/4	FBR 0750 N	16914-05	\$180
1	FBR 1000 N	16915-05	\$225
1/2	FBR 0500 N R1/32	16916-05	\$140
5/8	FBR 0625 N R1/32	16917-05	\$160
3/4	FBR 0750 N R1/32	16918-05	\$180
1	FBR 1000 N R1/32	16919-05	\$225
1	FB 1000R 08N	16972-05	\$250

Diameter	Back Draft Description	sp3 Part #:	List Price
3/8	BDR 0375 N	16924-05	\$130
1/2	BDR 0500 N	16925-05	\$150
5/8	BDR 0625 N	16926-05	\$170
3/4	BDR 0750 N	16927-05	\$190
1	BDR 1000 N	16928-05	\$245
3/8	BDR 0375 N R1/32	16929-05	\$130
1/2	BDR 0500 N R1/32	16930-05	\$150
5/8	BDR 0625 N R1/32	16931-05	\$170
3/4	BDR 0750 N R1/32	16932-05	\$190
1	BDR 1000 N R1/32	16933-05	\$245
3/8	BD 0375N 02 NA	16945-05	\$130
1/2	BD 0500N 02 NA	16946-05	\$145
5/8	BD 0625N 02 NA	16947-05	\$165
3/4	BD 0750N 04 NA	16948-05	\$185
3/4	BD 0750N 02 NA	16951-05	\$185

Prices effective July 1, 2015