



INFINITY[®] | TOOL MFG.



PRODUCT BROCHURE

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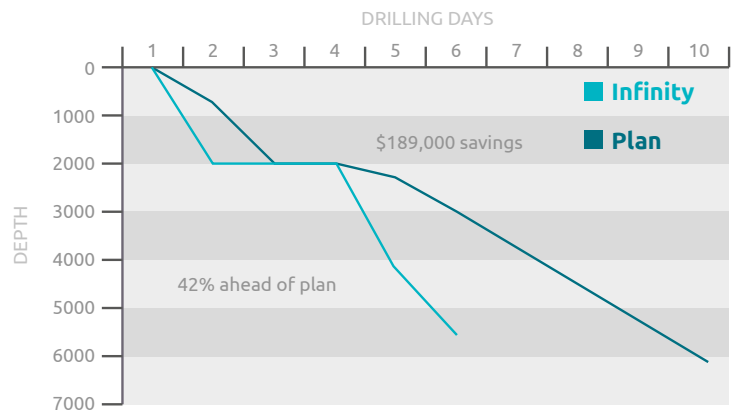
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Infinity Tool Mfg manufacture an industry-leading line of down the hole bits, horizontal directional drilling consumables and drilling accessories.

With our facility utilizing state-of-the art machinery, along with a combined experience of over 100 years in the drilling industry, Infinity takes that extra step in providing a top quality product.

Our product line includes PDC Bits & Reamers, DTH Bits & Hole Openers, Tricones and our latest innovation, Forward Articulating Reaming Tools.



Cost savings of utilizing Infinity Tools MFG.

Our customer's expectation was to drill down to kick off point in 8-1/2 days. This was the standard for the area utilizing the major PDC manufacturer's products. We designed and manufactured a PDC bit to our customer's specifications in order to increase ROP and reduce drilling cost. With our innovative forward thinking process we were able to drill down to kick off in 5 days, 12-1/4" with an avg ROP of 153'/hr and the 8-3/4" having an avg ROP of 87'/hr. We exceeded the customer's expectations by 42% on time savings.

The bottom line? Infinity's PDC Bits 12-1/4, 8-3/4" saved our customer **\$189,000** in drilling costs.

State-of-the-art equipment

Our MAZAK Machinery is amongst the best in the world, and we continue to add new pieces of equipment to our line up to widen the range of our machining capabilities. We retrofit every piece of equipment for the specific needs of the drilling industry, whether it is a software change or re-engineering the machine itself. We also build special fixtures and add deep-hole drilling systems.

- Our current capacities are up to 32” diameter and 122” in length turn and mill, and we can bore 40” deep in a single pass.
- 5 axis simultaneous machining.
- We have ejector drill systems set up on all our lathes.



Quality

From day one, prior to any machining, we implemented a quality control system based around the ISO 9001:2008 procedures.

- Full traceability from raw materials to the finished product.
- Sales and customer service procedures.

Manual machine area

We maintain a manual machine area for any one-off projects.

- This area also gives us the ability to make jigs and fixtures off the production machines to keep productivity to it's peak.
- We also maintain all of our equipment that is out of warranty, using this area and it's personnel's expertise.

PDC - The Benefits

PDC drill bits and reamers are the next step for increased production for rock drilling. PDC has been used with great success for more than a decade in the oil field, and has recently become a go-to technology for many drillers in the HDD industry.



Financial benefits

The primary reason for wanting to run PDC bits is increased production. When run properly, a PDC bit can increase your penetration rate from anywhere between 50-250%.

- Faster Project Completion
- Fuel Savings
- Labor Costs



Mechanical benefits

Another benefit of running PDC is how much less stress they place on your drilling rigs.

- Do not require the enormous amount of weight on bit that roller-cones require. A general rule of thumb, PDC bits and reamers require less than half of the push/pull a roller-cone would.
- Less torque means less stress and vibration on your drilling rods.
- No moving parts
- Clean holes with a more consistent cutting size.

For running tips and details on the best PDC bits to use in different formations please contact Infinity for further information.



PDC Bits - 3" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
36-3S10W0	3 3/4	•				•	•			•		•
37-3S10W0	3 7/8	•				•	•			•		•
37-4S10W0	3 7/8		■			•	•			•		•

PDC Bits - 4" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
40-3S13W0	4	•				•	•			•		•
40-4S13W0	4		■			•	•			•		•
41-3S13W0	4 1/8	•				•	•			•		•
41-4S13W0	4 1/8		■			•	•			•		•
41-5S13W0	4 1/8			•		•	•			•		•
42-3S13W0	4 1/4	•				•	•			•		•
42-4S13W0	4 1/4		■			•	•			•		•
42-5S13W0	4 1/4			•		•	•			•		•
44-3S13W0	4 1/2	•				•	•			•		•
44-4S13W0	4 1/2		■			•	•			•		•
44-5S13W0	4 1/2			•		•	•			•		•
45-3S13W0	4 5/8	•				•	•			•		•
45-4S13W0	4 5/8		■			•	•			•		•
45-5S13W0	4 5/8			•		•	•			•		•
46-3S13W0	4 3/4	•				•	•			•		•
46-4S13W0	4 3/4		■			•	•			•		•
46-5S13W0	4 3/4			•		•	•			•		•
47-3S13W0	4 7/8	•				•	•			•		•
47-4S13W0	4 7/8		■			•	•			•		•
47-5S13W0	4 7/8			•		•	•			•		•



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Available to order



Not available

Looking for a size/configuration not on this page? Get in touch using the details below to discuss custom bits.



PDC Bits - 5" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
50-3S13W0	5	•				•	•			•		•
50-4S13W0	5		■			•	•			•		•
50-5S13W0	5			•		•	•			•		•
51-3S13W0	5 1/8	•				•	•			•		•
51-4S13W0	5 1/8		■			•	•			•		•
51-5S13W0	5 1/8			•		•	•			•		•
52-3S13W0	5 1/4	•				•	•			•		•
52-4S13W0	5 1/4		■			•	•			•		•
52-5S13W0	5 1/4			•		•	•			•		•
54-3S13W0	5 1/2	•				•	•			•		•
54-4S13W0	5 1/2		■			•	•			•		•
54-5S13W0	5 1/2			•		•	•			•		•
55-3S13W0	5 5/8	•				•	•			•		•
55-4S13W0	5 5/8		■			•	•			•		•
55-5S13W0	5 5/8			•		•	•			•		•
57-5S13W0	5 7/8			•		•	•			•		•

PDC Bits - 6" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
60-3S13W0	6	•				•	•			•		•
60-3S13WB	6	•				•	•			•	■	
60-4S13W0	6		■			•	•			•		•
60-4S13WB	6		■			•	•			•	■	
60-5S13W0	6			•		•	•			•		•
60-5S13WB	6			•		•	•			•	■	
60-6S13W0	6				•	•	•			•		•
60-6S13WB	6				•	•	•			•	■	



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PDC Bits - 6" Range cont...

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
61-4S13W0	6 1/8		■			●	●			●		●
61-4S13WB	6 1/8		■			●	●			●	■	
61-5S13W0	6 1/8			●		●	●			●		●
61-5S13WB	6 1/8			●		●	●			●	■	
61-6S13W0	6 1/8				●	●	●			●		●
61-6S13WB	6 1/8				●	●	●			●	■	
62-4S13WB	6 1/4		■			●	●			●		●
62-4S13WB	6 1/4		■			●	●			●	■	
62-5S13WB	6 1/4			●		●	●			●		●
62-5S13WB	6 1/4			●		●	●			●	■	
62-6S13WB	6 1/4				●	●	●			●		●
62-6S13WB	6 1/4				●	●	●			●	■	
64-3S13W0	6 1/2	●				●	●			●		●
64-3S13WB	6 1/2	●				●	●			●	■	
64-3S16W0	6 1/2	●				●		●		●		●
64-3S16WB	6 1/2	●				●		●		●	■	
64-4S13W0	6 1/2		■			●	●			●		●
64-4S13WB	6 1/2		■			●	●			●	■	
64-4S16W0	6 1/2		■			●		●		●		●
64-4S16WB	6 1/2		■			●		●		●	■	
64-5S13W0	6 1/2			●		●	●			●		●
64-5S13WB	6 1/2			●		●	●			●	■	
64-5S16W0	6 1/2			●		●		●		●		●
64-5S16WB	6 1/2			●		●		●		●	■	
64-6S13W0	6 1/2				●	●	●			●		●
64-6S13WB	6 1/2				●	●	●			●	■	
64-6S16W0	6 1/2				●	●		●		●		●
64-6S16WB	6 1/2				●	●		●		●	■	



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PDC Bits - 6" Range cont...

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
66-4S13WO	6 3/4		■			●	●			●		●
66-4S13WB	6 3/4		■			●	●			●	■	
66-5S13WO	6 3/4			●		●	●			●		●
66-5S13WB	6 3/4			●		●	●			●	■	
66-6S13WO	6 3/4				●	●	●			●		●
66-6S13WB	6 3/4				●	●	●			●	■	

PDC Bits - 7" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
77-4S13WO	7 7/8		■			●	■			●		●
77-4S13WB	7 7/8		■			●	■			●	■	
77-4S16WO	7 7/8		■			●		●		●		●
77-4S16WB	7 7/8		■			●		●		●	■	
77-5S13WO	7 7/8			●		●	■			●		●
77-5S13WB	7 7/8			●		●	■			●	■	
77-5S16WO	7 7/8			●		●		●		●		●
77-5S16WB	7 7/8			●		●		●		●	■	
77-6S13WO	7 7/8				●	●	■			●		●
77-6S13WB	7 7/8				●	●	■			●	■	
77-6S16WO	7 7/8				●	●		●		●		●
77-6S16WB	7 7/8				●	●		●		●	■	



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PDC Bits - 8" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
84-4S13WO	8 1/2		■			●	■			●		●
84-4S13WB	8 1/2		■			●	■			●	■	
84-4S16WO	8 1/2		■			●		●		●		●
84-4S16WB	8 1/2		■			●		●		●	■	
84-4S19WO	8 1/2		■			●			■	●		●
84-4S19WB	8 1/2		■			●			■	●	■	
84-5S13WO	8 1/2			●		●	■			●		●
84-5S13WB	8 1/2			●		●	■			●	■	
84-5S16WO	8 1/2			●		●		●		●		●
84-5S16WB	8 1/2			●		●		●		●	■	
84-5S19WO	8 1/2			●		●			■	●		●
84-5S19WB	8 1/2			●		●			■	●	■	
84-6S13WO	8 1/2				●	●	■			●		●
84-6S13WB	8 1/2				●	●	■			●	■	
84-6S16WO	8 1/2				●	●		●		●		●
84-6S16WB	8 1/2				●	●		●		●	■	
84-6S19WO	8 1/2				●	●			■	●		●
84-6S19WB	8 1/2				●	●			■	●	■	



Stocked



Available to order



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PDC Bits - 8" Range cont...

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	13	16		19	Hard Face
86-4S13WO	8 3/4		■			●	■			●		●
86-4S13WB	8 3/4		■			●	■			●	■	
86-4S16WO	8 3/4		■			●		●		●		●
86-4S16WB	8 3/4		■			●		●		●	■	
86-4S19WO	8 3/4		■			●			■	●		●
86-4S19WB	8 3/4		■			●			■	●	■	
86-5S13WO	8 3/4			●		●	■			●		●
86-5S13WB	8 3/4			●		●	■			●	■	
86-5S16WO	8 3/4			●		●		●		●		●
86-5S16WB	8 3/4			●		●		●		●	■	
86-5S19WO	8 3/4			●		●			■	●		●
86-5S19WB	8 3/4			●		●			■	●	■	
86-6S13WO	8 3/4				●	●	■			●		●
86-6S13WB	8 3/4				●	●	■			●	■	
86-6S16WO	8 3/4				●	●		●		●		●
86-6S16WB	8 3/4				●	●		●		●	■	
86-6S19WO	8 3/4				●	●			■	●		●
86-6S19WB	8 3/4				●	●			■	●	■	



Stocked



Available to order



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PDC Bits - 9" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
90-3S10WO	9	■				●	■			●		●
90-3S10WB	9	■				●	■			●	■	
90-3S16WO	9	■				●		●		●		●
90-3S16WB	9	■				●		●		●	■	
90-3S19WO	9	■				●			■	●		●
90-3S19WB	9	■				●			■	●	■	
9-4S10WO	9		■			●	■			●		●
9-4S10WB	9		■			●	■			●	■	
9-4S16WO	9		■			●		●		●		●
9-4S16WB	9		■			●		●		●	■	
9-4S19WO	9		■			●			■	●		●
9-4S19WB	9		■			●			■	●	■	
9-5S10WO	9			●		●	■			●		●
9-5S10WB	9			●		●	■			●	■	
9-5S16WO	9			●		●		●		●		●
9-5S16WB	9			●		●		●		●	■	
9-5S19WO	9			●		●			■	●		●
9-5S19WB	9			●		●			■	●	■	
9-6S10WO	9				●	●	■			●		●
9-6S10WB	9				●	●	■			●	■	
9-6S16WO	9				●	●		●		●		●
9-6S16WB	9				●	●		●		●	■	
9-6S19WO	9				●	●			■	●		●
9-6S19WB	9				●	●			■	●	■	



Stocked



Available to order



Not available

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PDC Bits - 9" Range cont...

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
94-4S10W0	9 1/2		■			●	■			●		●
94-4S10WB	9 1/2		■			●	■			●	■	
94-4S16W0	9 1/2		■			●		●		●		●
94-4S16WB	9 1/2		■			●		●		●	■	
94-4S19W0	9 1/2		■			●			■	●		●
94-4S19WB	9 1/2		■			●			■	●	■	
94-5S10W0	9 1/2			●		●	■			●		●
94-5S10WB	9 1/2			●		●	■			●	■	
94-5S16W0	9 1/2			●		●		●		●		●
94-5S16WB	9 1/2			●		●		●		●	■	
94-5S19W0	9 1/2			●		●			■	●		●
94-5S19WB	9 1/2			●		●			■	●	■	
94-6S10W0	9 1/2				●	●	■			●		●
94-6S10WB	9 1/2				●	●	■			●	■	
94-6S16W0	9 1/2				●	●		●		●		●
94-6S16WB	9 1/2				●	●		●		●	■	
94-6S19W0	9 1/2				●	●			■	●		●
94-6S19WB	9 1/2				●	●			■	●	■	
97-5S10W0	9 7/8			●		●	■			●		●
97-5S10WB	9 7/8			●		●	■			●	■	
97-5S16W0	9 7/8			●		●		●		●		●
97-5S16WB	9 7/8			●		●		●		●	■	
97-5S19W0	9 7/8			●		●			■	●		●
97-5S19WB	9 7/8			●		●			■	●	■	
97-6S10W0	9 7/8				●	●	■			●		●
97-6S10WB	9 7/8				●	●	■			●	■	
97-6S16W0	9 7/8				●	●		●		●		●
97-6S16WB	9 7/8				●	●		●		●	■	
97-6S19W0	9 7/8				●	●			■	●		●
97-6S19WB	9 7/8				●	●			■	●	■	

● Stocked

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□ Not available

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PDC Bits - 10" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
100-5S10WO	10			•		•	■			•		•
100-5S10WB	10			•		•	■			•	■	
100-5S16WO	10			•		•		•		•		•
100-5S16WB	10			•		•		•		•	■	
100-5S19WO	10			•		•			■	•		•
100-5S19WB	10			•		•			■	•	■	
100-6S10WO	10				•	•	■			•		•
100-6S10WB	10				•	•	■			•	■	
100-6S16WO	10				•	•		•		•		•
100-6S16WB	10				•	•		•		•	■	
100-6S19WO	10				•	•			■	•		•
100-6S19WB	10				•	•			■	•	■	
105-5S10WO	10 5/8			•		•	■			•		•
105-5S10WB	10 5/8			•		•	■			•	■	
105-5S16WO	10 5/8			•		•		•		•		•
105-5S16WB	10 5/8			•		•		•		•	■	
105-5S19WO	10 5/8			•		•			■	•		•
105-5S19WB	10 5/8			•		•			■	•	■	
105-6S10WO	10 5/8				•	•	■			•		•
105-6S10WB	10 5/8				•	•	■			•	■	
105-6S16WO	10 5/8				•	•		•		•		•
105-6S16WB	10 5/8				•	•		•		•	■	
105-6S19WO	10 5/8				•	•			■	•		•
105-6S19WB	10 5/8				•	•			■	•	■	



Stocked



Available to order



Not available

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PDC Bits - 11" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
110-5S10WO	11			•		•	■			•		•
110-5S10WB	11			•		•	■			•	■	
110-5S16WO	11			•		•		•		•		•
110-5S16WB	11			•		•		•		•	■	
110-5S19WO	11			•		•			■	•		•
110-5S19WB	11			•		•			■	•	■	
110-6S10WO	11				•	•	■			•		•
110-6S10WB	11				•	•	■			•	■	
110-6S16WO	11				•	•		•		•		•
110-6S16WB	11				•	•		•		•	■	
110-6S19WO	11				•	•			■	•		•
110-6S19WB	11				•	•			■	•	■	
115-5S10WO	11 5/8			•		•	■			•		•
115-5S10WB	11 5/8			•		•	■			•	■	
115-5S16WO	11 5/8			•		•		•		•		•
115-5S16WB	11 5/8			•		•		•		•	■	
115-5S19WO	11 5/8			•		•			■	•		•
115-5S19WB	11 5/8			•		•			■	•	■	
115-6S10WO	11 5/8				•	•	■			•		•
115-6S10WB	11 5/8				•	•	■			•	■	
115-6S16WO	11 5/8				•	•		•		•		•
115-6S16WB	11 5/8				•	•		•		•	■	
115-6S19WO	11 5/8				•	•			■	•		•
115-6S19WB	11 5/8				•	•			■	•	■	



Stocked



Available to order



Not available

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PDC Bits - 12" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
122-5S10W0	12 1/4			•		•	■			•		•
122-5S10WB	12 1/4			•		•	■			•	■	
122-5S16W0	12 1/4			•		•		•		•		•
122-5S16WB	12 1/4			•		•		•		•	■	
122-5S19W0	12 1/4			•		•			■	•		•
122-5S19WB	12 1/4			•		•			■	•	■	
122-5S10W0	12 1/4				•	•	■			•		•
122-5S10WB	12 1/4				•	•	■			•	■	
122-5S16W0	12 1/4				•	•		•		•		•
122-5S16WB	12 1/4				•	•		•		•	■	
122-5S19W0	12 1/4				•	•			■	•		•
122-5S19WB	12 1/4				•	•			■	•	■	

PDC Bits - 14" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
146-5S10W0	14 3/4			•		•	■			•		•
146-5S10WB	14 3/4			•		•	■			•	■	
146-5S16W0	14 3/4			•		•		•		•		•
146-5S16WB	14 3/4			•		•		•		•	■	
146-5S19W0	14 3/4			•		•			■	•		•
146-5S19WB	14 3/4			•		•			■	•	■	
146-6S10W0	14 3/4				•	•	■			•		•
146-6S10WB	14 3/4				•	•	■			•	■	
146-6S16W0	14 3/4				•	•		•		•		•
146-6S16WB	14 3/4				•	•		•		•	■	
146-6S19W0	14 3/4				•	•			■	•		•
146-6S19WB	14 3/4				•	•			■	•	■	



Stocked



Available to order



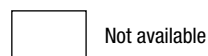
Not available

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PDC Bits - 16" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
160-4S10W0	16		■			●	■			●		●
160-4S10WB	16		■			●	■			●	■	
160-4S16W0	16		■			●		●		●		●
160-4S16WB	16		■			●		●		●	■	
160-4S19W0	16		■			●			■	●		●
160-4S19WB	16		■			●			■	●	■	
160-5S10W0	16			●		●	■			●		●
160-5S10WB	16			●		●	■			●	■	
160-5S16W0	16			●		●		●		●		●
160-5S16WB	16			●		●		●		●	■	
160-5S19W0	16			●		●			■	●		●
160-5S19WB	16			●		●			■	●	■	
160-6S10W0	16				●	●	■			●		●
160-6S10WB	16				●	●	■			●	■	
160-6S16W0	16				●	●		●		●		●
160-6S16WB	16				●	●		●		●	■	
160-6S19W0	16				●	●			■	●		●
160-6S19WB	16				●	●			■	●	■	



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PDC Bits - 17" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
170-5S10WO	17			•		•	■			•		•
170-5S10WB	17			•		•	■			•	■	
170-5S16WO	17			•		•		•		•		•
170-5S16WB	17			•		•		•		•	■	
170-5S19WO	17			•		•			■	•		•
170-5S19WB	17			•		•			■	•	■	
170-6S10WO	17				•	•	■			•		•
170-6S10WB	17				•	•	■			•	■	
170-6S16WO	17				•	•		•		•		•
170-6S16WB	17				•	•		•		•	■	
170-6S19WO	17				•	•			■	•		•
170-6S19WB	17				•	•			■	•	■	
174-5S10WO	17 1/2			•		•	■			•		•
174-5S10WB	17 1/2			•		•	■			•	■	
174-5S16WO	17 1/2			•		•		•		•		•
174-5S16WB	17 1/2			•		•		•		•	■	
174-5S19WO	17 1/2			•		•			■	•		•
174-5S19WB	17 1/2			•		•			■	•	■	
174-6S10WO	17 1/2				•	•	■			•		•
174-6S10WB	17 1/2				•	•	■			•	■	
174-6S16WO	17 1/2				•	•		•		•		•
174-6S16WB	17 1/2				•	•		•		•	■	
174-6S19WO	17 1/2				•	•			■	•		•
174-6S19WB	17 1/2				•	•			■	•	■	



Stocked



Available to order



Not available

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PDC Bits - 18" Range

Product #	Size (in)	Number of Blades				Shank	Cutters (mm)			Wear Protection	Back Out Cutters	
		3	4	5	6		Steel	10	16		19	Hard Face
180-4S10W0	18		■			●	■			●		●
180-4S10WB	18		■			●	■			●	■	
180-4S16W0	18		■			●		●		●		●
180-4S16WB	18		■			●		●		●	■	
180-4S19W0	18		■			●			■	●		●
180-4S19WB	18		■			●			■	●	■	
180-5S10W0	18			●		●	■			●		●
180-5S10WB	18			●		●	■			●	■	
180-5S16W0	18			●		●		●		●		●
180-5S16WB	18			●		●		●		●	■	
180-5S19W0	18			●		●			■	●		●
180-5S19WB	18			●		●			■	●	■	
180-6S10W0	18				●	●	■			●		●
180-6S10WB	18				●	●	■			●	■	
180-6S16W0	18				●	●		●		●		●
180-6S16WB	18				●	●		●		●	■	
180-6S19W0	18				●	●			■	●		●
180-6S19WB	18				●	●			■	●	■	



Stocked




Available to order



Not available

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PDC Pull Reamers



Product #	Size (in)	Thread (in)	Number of Blades			Shank	Back Out Cutters
			5	6	8	Steel	Yes
ITM260127	3.75 x 5.5	2 3/8 REG BOX-BOX	•			•	•
ITM260117	3.75 x 6.25	2 3/8 REG BOX-BOX	•			•	•
ITM260126	4.5 x 6.75	2 7/8 REG BOX-BOX	•			•	•
ITM260104	8 x 5	2 3/8 REG BOX-BOX	•			•	•
ITM260103	10 x 5	2 7/8 IF BOX-BOX	•			•	•
ITM260105	12 x 5	2 7/8 IF BOX-BOX	•			•	•
ITM580007	14 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580008	16 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580009	18 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580010	20 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580002	22 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580003	24 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580004	26 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580005	28 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580012	30 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580013	32 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580014	34 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580015	36 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580017	38 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580018	40 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580019	42 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580020	44 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
SPECIAL ORDER	48 x 12				• ✓	•	•



Stocked



Replacable blades



Available to order



Not available

Looking for a size/configuration not on this page? Get in touch using the details below to discuss custom bits.



PDC Push Reamers

Product #	Size (in)	Thread (in)	Number of Blades			Shank	Back Out Cutters
			5	6	8		
ITM260122	8 x 5	2 3/8 REG BOX-BOX	•			•	•
ITM260123	10 x 5	2 7/8 IF BOX-BOX	•			•	•
ITM206124	12 x 5	2 7/8 IF BOX-BOX	•			•	•
ITM580502	14 x 6	3 1/2 IF BOX-BOX	• ✓			•	•
ITM580503	16 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580504	18 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580505	20 x 6	3 1/2 IF BOX-BOX		• ✓		•	•
ITM580507	22 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580508	24 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580509	26 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580510	28 x 8	4 1/2 IF BOX-BOX		• ✓		•	•
ITM580512	30 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580513	32 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580514	34 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580515	36 x 8.5	5 1/2 FH BOX-BOX		• ✓		•	•
ITM580517	38 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580518	40 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580519	42 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
ITM580520	44 x 12	5 1/2 FH BOX-BOX			• ✓	•	•
SPECIAL ORDER	48 x 12				• ✓	•	•



Stocked



Replacable blades



Available to order



Not available

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DTH Bits - 2" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
Dominator 100	2 - 3 1/2	•	•	•	•	•	■	■

DTH Bits - 3" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
IR3.5	3 1/2 - 4 1/8	•	•	•	•	•	■	■
BR 2	3 1/2 - 4 1/8	•	•	•	•	•	■	■
DH90	3 1/2 - 4 1/8	•	•	•	•	•	■	■

DTH Bits - 4" Range

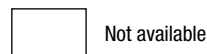
Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
340A	4 - 5 1/4	•	•	•	•	•	■	■
3415	4 - 5 1/4	•	•	•	•	•	■	■
QL40	5 - 5 3/4	•	•	•	•	•	■	■

DTH Bits - 5" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
350R	5 - 5 3/4	•	•	•	•	•	■	■
4315	5 - 5 3/4	•	•	•	•	•	■	■
QL50	5 - 6 3/4	•	•	•	•	•	■	■

DTH Bits - 6" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
360	5 7/8 - 10	•	•	•	•	•	■	■
QL60	5 7/8 - 10	•	•	•	•	•	■	■
5315	5 7/8 - 10	•	•	•	•	•	■	■



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DTH Bits - 8" Range

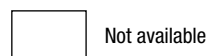
Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
380	7 1/2 - 12 1/4	•	•	•	•	•	■	■
QL80	7 1/2 - 12 1/4	•	•	•	•	•	■	■
SD8	7 1/2 - 12 1/4	•	•	•	•	•	■	■

DTH Bits - 10" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
SD-10	9 7/8 - 12 7/8	•	•	•	•	•	■	■

DTH Bits - 12" Range

Shank	Head Size Range (in)	Face Shape				Carbide Availability		
		Concave	Convex	Flat	Dbl. Gauge	Standard	Diamond	BlueMaxx
QL-120	11 7/8 - 18	•	•	•	•	•	■	■
DHD-112	11 7/8 - 18	•	•	•	•	•	■	■
SD-12	11 7/8 - 18	•	•	•	•	•	■	■



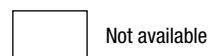
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DTH H/O - 6" Range	
Shank	Size
QL60	2" x 6"
QL60	4 1/2" x 8"
QL60	130mm x 205mm
QL60	5 3/4" x 8"
QL60	5 3/4" x 10"
QL60	6" x 8"
QL60	6" x 10"
QL60	8" x 10"
QL60	8" x 12"
QL60	9 1/2" x 12"
QL60	10" x 12"
DHD360	6" x 8"
DHD360	6" x 8 1/2"
DHD360	6" x 10"
DHD360	8" x 10"
DHD360	8" x 12"
SD-6	4 1/4" - 8"
SD-6	4 1/4" - 10"
SD-6	6" x 8"
SD-6	6" x 10"
SD-6	8" x 10"
SD-6	8" x 12"

DTH H/O - 8" Range	
Shank	Size
QL80	4 3/4" x 8"
QL80	5 7/8" x 9"
QL80	6" x 8"
QL80	6" x 10"
QL80	8" x 10"
QL80	8" x 12"
DHD380	6" x 8"
DHD380	6" x 10"
DHD380	6" x 12"
DHD380	160mm x 300mm
DHD380	8" x 10"
DHD380	8" x 12"
SD-8	6" x 8"
SD-8	6" x 10"
SD-8	8" x 10"
SD-8	8" x 12"
SD-8	8 1/2 x 12 1/4"

DTH H/O - 12" Range	
Shank	Size
QL120	8" x 12"
DHD112	8" x 12"
SD-12	7 1/4" x 18"
SD-12	8" x 12"
SD-12	12 1/4" x 17 1/2"
SD-12	15" x 20"



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A. Short Step Bits 2 3/8" API

Diameter (in)	Description
3	Short Step, 2 Step, 3 Wing, 2 3/8" API
3 1/2	Short Step, 2 Step, 3 Wing, 2 3/8" API
3 5/8	Short Step, 2 Step, 3 Wing, 2 3/8" API
3 7/8	Short Step, 2 Step, 3 Wing, 2 3/8" API
4	Short Step, 3 Step, 3 Wing, 2 3/8" API
4 1/8	Short Step, 3 Step, 3 Wing, 2 3/8" API
4 1/4	Short Step, 3 Step, 3 Wing, 2 3/8" API
4 1/2	Short Step, 3 Step, 3 Wing, 2 3/8" API
4 3/4	Short Step, 3 Step, 3 Wing, 2 3/8" API
4 7/8	Short Step, 3 Step, 3 Wing, 2 3/8" API
5	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 1/8	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 1/4	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 3/8	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 1/2	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 5/8	Short Step, 3 Step, 3 Wing, 2 3/8" API
5 7/8	Short Step, 4 Step, 3 Wing, 2 3/8" API
6	Short Step, 4 Step, 3 Wing, 2 3/8" API
6 1/8	Short Step, 4 Step, 3 Wing, 2 3/8" API
6 1/4	Short Step, 4 Step, 3 Wing, 2 3/8" API
6 1/2	Short Step, 4 Step, 3 Wing, 2 3/8" API
6 3/4	Short Step, 4 Step, 3 Wing, 2 3/8" API
7	Short Step, 5 Step, 3 Wing, 2 3/8" API

B. Short Chevron Bits 2 3/8" API

Diameter (in)	Description
3 1/2	Short Chevron, 3 Wing, 2 3/8" API
3 7/8	Short Chevron, 3 Wing, 2 3/8" API
4	Short Chevron, 3 Wing, 2 3/8" API
4 1/8	Short Chevron, 3 Wing, 2 3/8" API
4 1/4	Short Chevron, 3 Wing, 2 3/8" API
4 1/2	Short Chevron, 3 Wing, 2 3/8" API
4 3/4	Short Chevron, 3 Wing, 2 3/8" API
5	Short Chevron, 3 Wing, 2 3/8" API
5 1/8	Short Chevron, 3 Wing, 2 3/8" API
5 1/4	Short Chevron, 3 Wing, 2 3/8" API
5 1/2	Short Chevron, 3 Wing, 2 3/8" API
5 5/8	Short Chevron, 3 Wing, 2 3/8" API
5 7/8	Short Chevron, 3 Wing, 2 3/8" API
6	Short Chevron, 3 Wing, 2 3/8" API



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Not available

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PDC Repair & Remanufacture

We repair all makes and models of PDC Bits and Reamers, with our turn-around time being one of the fastest in the industry.

Rebuilding, as opposed to replacing, your PDC bits and reamers is a cost-effective solution that will not only prove far cheaper than replacement, but will greatly increase the life of your tool and as a result, your return on investment too.

It goes without saying that a well-maintained tool will offer better performance, and as such will require less time and money to operate.

All repairs are undertaken by us in our facility in Illinois, and all replacement parts are American made to ensure quality and durability.

All we need are some high quality photos of your worn bit, including various angles, and we can give you an estimate the same day.

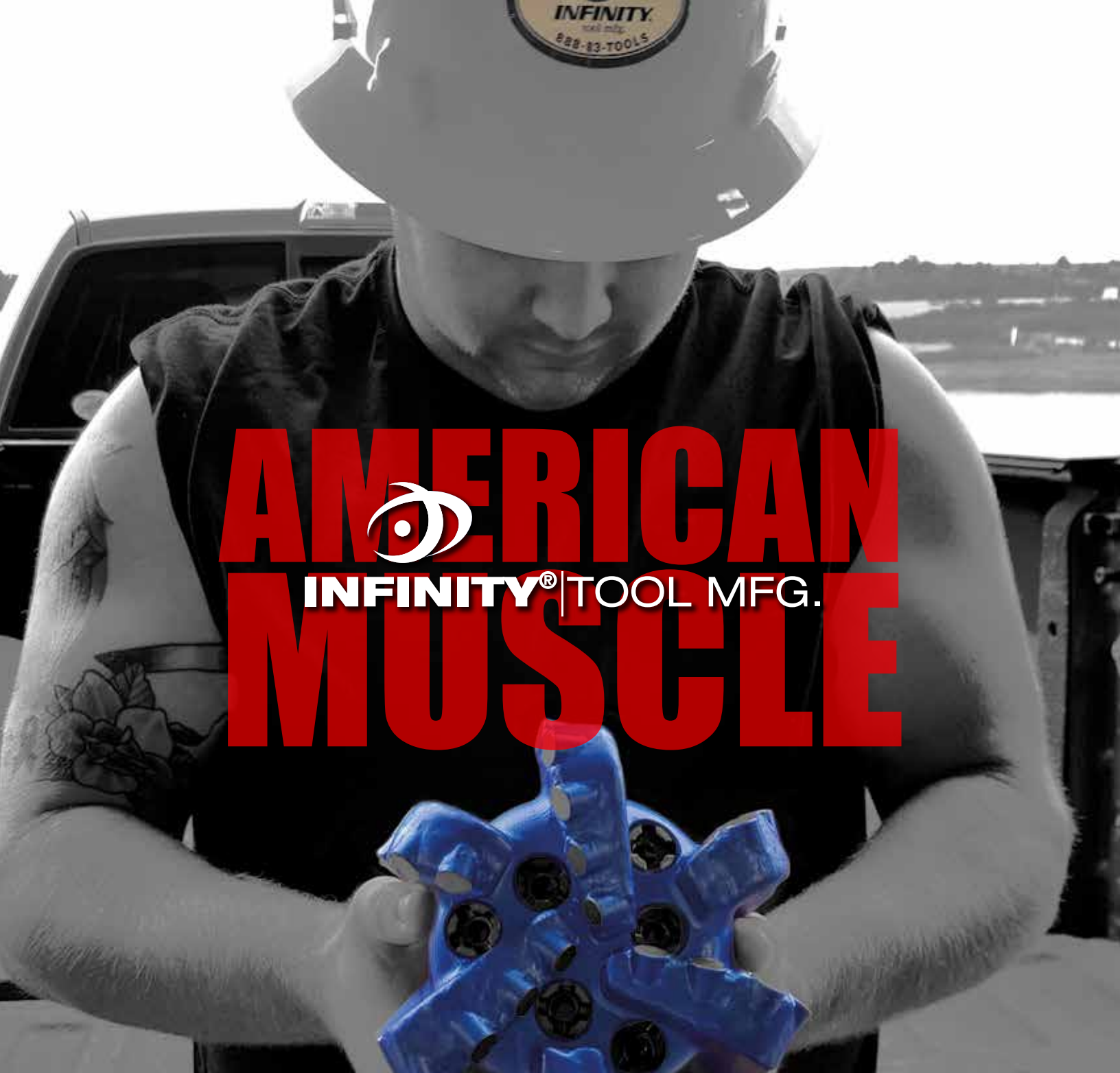




Bit repair: before



Bit repair: after



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