

8 3/4" KX-1 Diamond-Impreg Sidetrack Bit



This bit type is intended for use in sidetracking operations when the target formation may damage PDC cutters or natural diamonds by impact loading. The KX-1 uses HPI (high pressure impreg) inserts that are mounted just like PDC cutters but the HPI's are much more impact resistant so they can have the cutting action of a PDC cutter but the abrasive resistance of diamond-impreg. They are brazed into the bit head so they can be refit after dulling.



The bit at left was used to sidetrack in a fractured target formation that fractures both PDC and Natural Diamond Sidetrack bits, making the bit cost extremely high for one run for them. This KX-1 Bit will have its inserts turned to a good edge (or replaced) and be ready for another rental run, which has cut sidetrack bit costs by 75%.

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