AUSBIT™

by CERAMCO PTY LTD

Cutting Edge Diamond Drilling Bits

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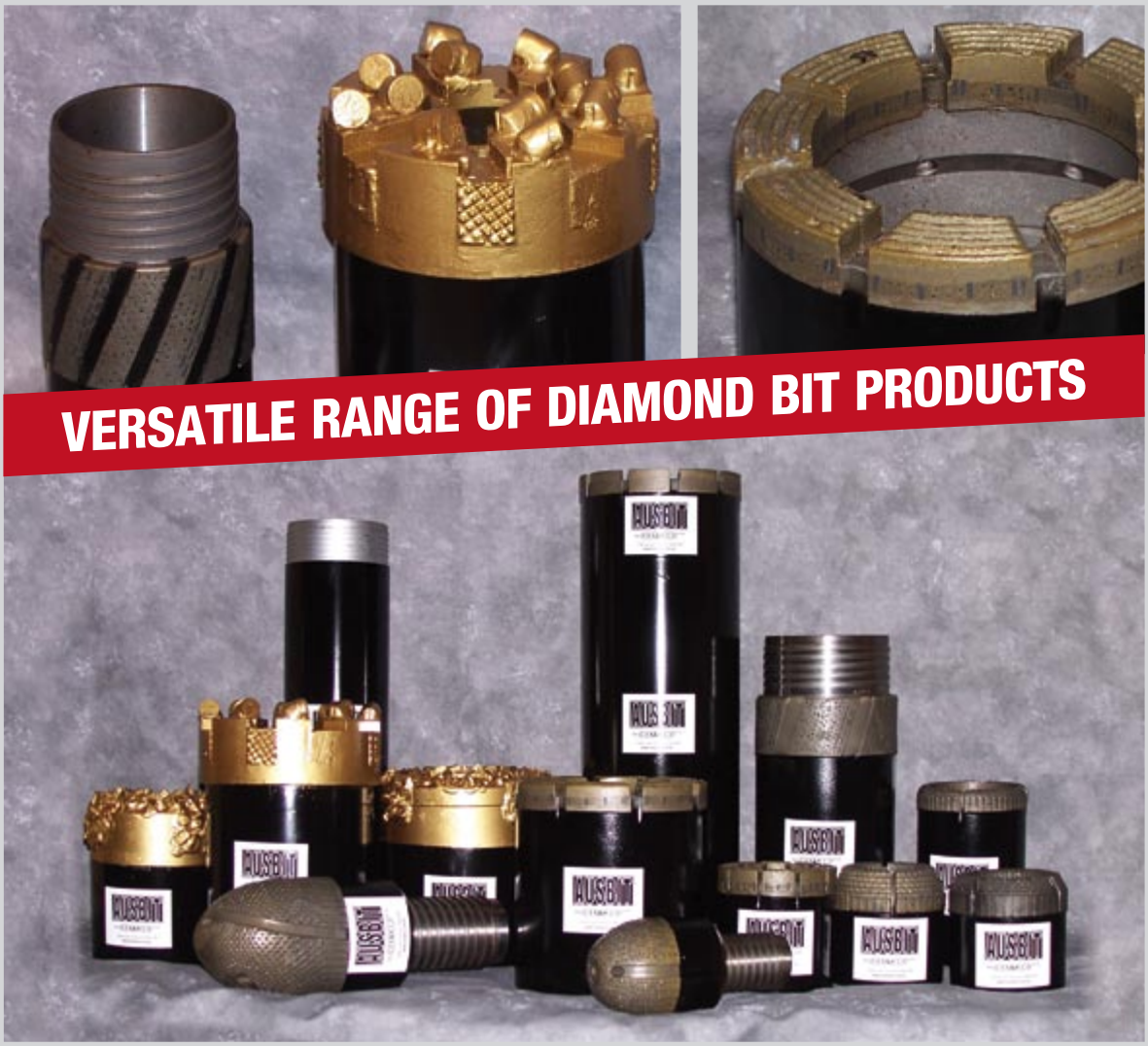
MEMBER OF THE AUSTRALIAN DRILLING INDUSTRY ASSOCIATION



VERSATILE RANGE OF DIAMOND BIT PRODUCTS

All CERAMCO products are manufactured in Western Australia, using natural diamonds in the surface set range of tools and high quality synthetic diamonds in the impregnated range of tools.

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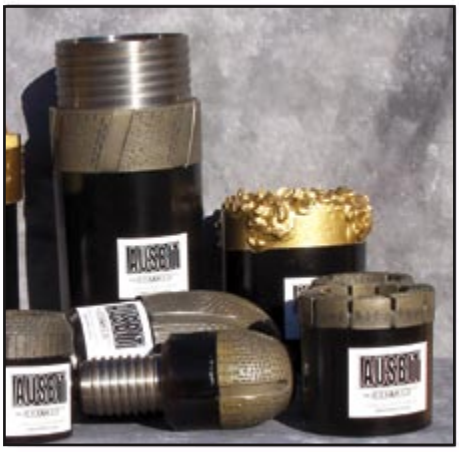
SURFACE SET DIAMOND BITS

- Penetration rates in some formations are superior than impregnated bits.
- Lower costs per metre can be achieved in consolidated formations.
- Enhance core recovery in soft formations.

SURFACE SET DIAMOND BIT SELECTION CHART

Hard	Andersite Gabbro	Basalt Dolerite	Competent	60/80 SPC
			Broken	40/60 SPC
Medium Hard	Dolomite Shist	Pegmatite Sandstone	Competent	40/60 SPC
			Broken	30/40 SPC
Soft	Shale Tuff	Limestone Pegmatite	Competent	25/30 SPC
			Broken	15/25 SPC
Very Soft	Clay Talc	Gypsum Potash	All Types	10/15 SPC



IMPREGNATED DIAMOND BITS

- Generally last longer than surface set bits.
- Are less prone to damage by rough treatment.
- Are fully consumable not requiring return for diamond recovery.

Advances in diamond tool technology coupled with a better understanding of "down the hole" behaviour have lead to the emergence of successful and economical impregnated diamond bits.

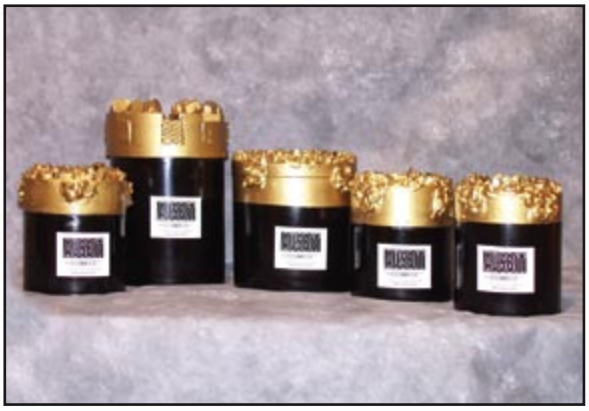
Impregnated diamond bits contain synthetic diamonds of consistent high quality ("Man-made diamonds"). They are distributed evenly throughout the matrix.

These bits are designed to wear away the matrix at the most economical rate for a particular rock formation. They constantly expose new, sharp diamonds to drill at uniformly high penetration rates for the life of the bit.

Impregnated bits can be tailored for your particular application with variables such as: diamond mesh size, diamond concentration, matrix hardness and fluid passage design.

ROCK TYPES SUCH AS:	GROUND CONDITIONS	SERIES
Coarse sandstone, sands, over-burden, conglomerates.	Suitable for severe operating conditions.	SER 1
Weathered sediments, sandstone weathered granite.	Abrasive, coarse grained broken formations.	SER 2
Shales, siltstone, calcite.	Abrasive and broken formations.	SER 4
Sedimentary volcanics, gneiss, gabbro, schist.	Medium hard, less abrasive rock.	SER 6
Basalt, dolerite, porphry, mafic rock types.	Hard formations.	SER 8
Granite, quartzite, porphry, diorite.	Hard to very hard formation.	SER 9
Chert, quartz, ironstone.	Very hard formations, fine grained.	SER 10
Hard quartz, hard chert, jasperlite.	Extremely hard, very fine grained formations.	SER 12

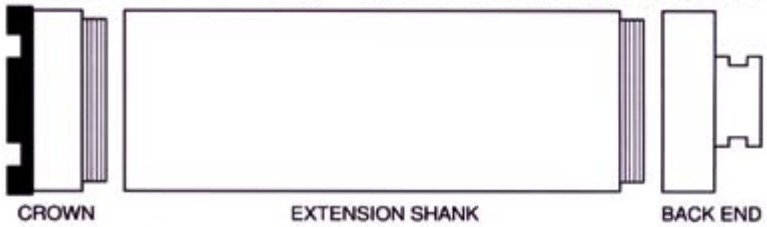
1. We recommend that when choosing a bit in an uncertain situation you should select a softer matrix, i.e. higher type number.
2. Initial bit selection may have to be varied depending on operating conditions.



(FOR CONSTRUCTION USE)

THIN WALL DIAMOND DRILL BIT

New products with new design – 3 pieces form thin-wall diamond drill bit.



1. Bits from 50mm are available in 3 pieces – CROWN/EXTENSION-SHANK/BACK-END.
2. 3 pieces form offers advantage of maintaining cost of reusable EXTENSION-SHANK and BACK-END.
3. CROWN of 3 pieces form replace segment welding providing precise concentricity.
4. For prices of bits over 200mm, please request a quotation.

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CUTTING EDGE DIAMOND DRILLING BITS

CERAMCO MANUFACTURE A COMPLETE RANGE OF DIAMOND: REAMER SHELLS, CASING SHOES, WEDGING TOOLS

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