



ACE™ TOOLING BITS

APPLICATION GUIDE



ACE™ PREMIUM BIT

The Ace Premium steep taper bit features an aggressive tapered bit front to help penetration rates and offers superior durability, longevity and wearability for high-risk, aggressive ground conditions such as heavy cemented cobble, hard-packed soils and softer shale.



ACE PRO BIT

Our most popular Ace steep taper bit features a semi-aggressive tapered front design for penetration in hard ground conditions — offering even greater longevity and wearability to tackle loam to moderately aggressive cobble, sand and hardpan.



ACE PRO EXTREME BIT

The Vermeer Ace Pro Extreme steep taper bit continues the Ace bit legacy of performance in tough ground conditions. This bit features carbide teeth along both edges for extended wear life. Dome-style teeth absorb the shock of hard ground conditions such as hard-packed soils, cobble, fractured rock and soft rock.




ACE STANDARD BIT

The Ace Standard steep taper bit features a rounded bit face to assist steering performance and offers durability, longevity and wearability for softer ground conditions that are more abrasive, like medium-packed soils and light gravel.

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	Ace™ Premium bit	Ace Pro bit	Ace Pro Extreme bit	Ace Standard bit
SOIL CONDITION				
	Sandy			
	Clay/loam			
	Dry/compacted			
	Cobble/broken formation			
Soft rock				

SOIL CONDITION:



Sandy – Sand, sandy loam, any soil where sand is a major component



Clay/loam – Clay, loam, silt, soft to medium soils that have some moisture



Dry/compacted – Hardpan, any dry clay, any compacted soil



Cobble/broken formation – Cobble, gravel, glacial till, chunk rock, any non-consistent type of rock



Soft rock – Sand stone, shale, soft limestone, caliche, some coral between 1,000 psi and 4,500 psi (6.9 MPa and 31 MPa)



Medium rock – Some limestone, shale, coral between 5,000 psi and 9,500 psi (34.5 MPa and 65.5 MPa)



Hard rock – Hard limestone, granite, skirt, anything above 10,000 psi (68.9 MPa)

AVAILABLE BOLT PATTERNS



AVAILABLE CUTTING SIZES



OWN SOME DITCH WITCH PATTERN BITS?

Our select Premium housings feature both Vermeer 6-bolt and Ditch Witch 6-bolt configurations on a single housing, helping you maximize usage of your bit fleet.

NOT RECOMMENDED	GOOD	BETTER	BEST
Not recommended for the listed soil condition.	Helps to achieve conducive results within the listed soil condition.	Helps to achieve efficient productivity within the listed soil condition.	Helps to achieve maximum viability within the listed soil condition.

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