

## RECOMMENDED HOLE SIZES FOR ROTARY DRILL STEELS

When determining suitable drill string configurations, consideration must be given to:

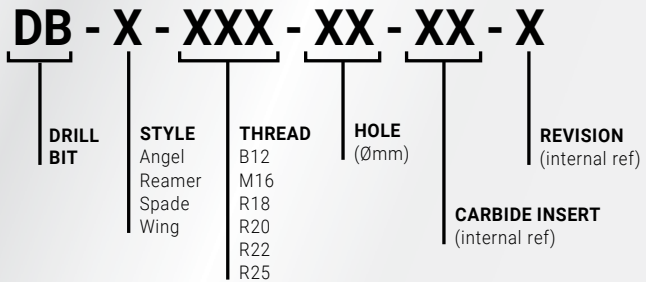
- Ground Conditions – MPa, broken ground, conglomerate, etc.
- Diameter of hole
- Depth of hole
- Capacity of drill rig i.e. hand bolter, hydraulic, electric

### DRILL ROD

THREAD SIZE	RECOMMENDED HOLE SIZE (mm)
R18 HEX	26.5 - 42
R18 ROUND	26.5 - 42
R20 HEX	27 - 64
R20 ROUND	27 - 52
R22 HEX	32 - 64
R22 ROUND	32 - 64

Specific geometrical configurations and carbide grades to suit your site conditions.

### PART NUMBER CONVENTION



## SPADE BITS

### SPADE BITS

PART NUMBER	SPADE TYPE
DB-S-M16-27-S1-1	Full Spade
DB-S-M16-27-S2-1	Large Notch
DB-S-M16-28-S4-1	Full Spade
DB-S-M16-28-S5-1	Large Notch
DB-S-M16-35-S7-1	Full Spade
DB-S-M16-35-S8-1	Large Notch
DB-S-M16-38-S9-1	Full Spade
DB-S-M16-38-S10-1	Large Notch
DB-S-M16-45-S12-1	Full Spade

*\* Also available in 1/2" BSW*



## ANGEL BITS

Angel Bits 27-37 mm – for the safest and most efficient drilling.

### ANGEL BITS

PART NUMBER
DB-A-M16-27-A1-1
DB-A-M16-28-A2-1
DB-A-M16-29-A2-1
DB-A-M16-37-A3-1

*\* Also available in 1/2" BSW*

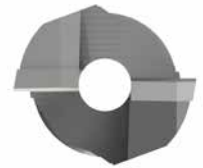


## TWO WING BITS

### TWO WING BITS: NEGATIVE AND POSITIVE RAKE M16

PART NUMBER	RAKE
DB-W-M16-27-W1-1	Negative
DB-WP-M16-27-W2-1	Positive
DB-W-M16-28-W1-1	Negative
DB-WP-M16-28-W2-1	Positive
DB-W-M16-29-W1-1	Negative
DB-W-M16-32-W3-1	Negative
DB-W-M16-35-W3-1	Negative
DB-W-M16-38-W3-1	Negative
DB-W-M16-40-W5-1	Negative
DB-W-M16-42-W5-1	Negative
DB-W-M16-45-W5-1	Negative
DB-W-M16-50-W5-1	Negative

\* Also available in 1/2" BSW



### TWO WING BITS: FEMALE ROPE THREAD

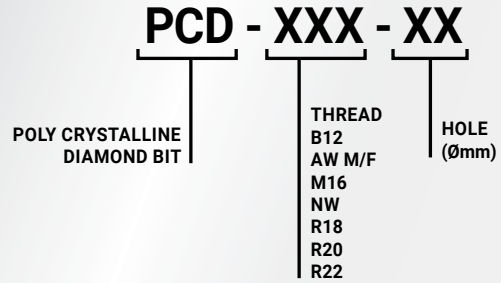
PART NUMBER
DB-W-R18-42-W5-1
DB-W-R18-45-W5-1
DB-W-R19-42-W5-1
DB-W-R19-45-W5-1
DB-W-R20-42-W5-1
DB-W-R20-45-W5-1
DB-W-R22-42-W5-1
DB-W-R22-42-W5-1-HD
DB-W-R22-45-W5-1
DB-W-R22-52-W6-1
DB-W-R22-55-W6-1
DB-W-R22-64-W6-1
DB-W-R25-42-W5-1
DB-W-R25-45-W5-1
DB-W-R25-52-W6-1
DB-W-R25-55-W6-1
DB-W-R25-64-W6-1



**DRILL BITS – PCD FOR HARD STRATA**

Poly Crystalline Diamond (PCD) for use in extreme conditions.

**CONVENTION**



**PCD DRILL BITS:  
M16 THREAD**

**PART NUMBER**

PCD-M16-27

PCD-M16-28

PCD-M16-32

PCD-M16-35

PCD-M16-38

PCD-M16-42

\* Also available in 1/2" BSW



PCD-M16

**PCD DRILL BITS: ROPE & AW THREAD**

**PART NUMBER**

PCD-R18-35

PCD-R22-45-FOF-20

PCD-R18-38

PCD-R22-48

PCD-R18-42

PCD-R22-52

PCD-R20-42

PCD-R22-55

PCD-R22-42

PCD-R22-64

PCD-R22-42-HM

PCD-R22-64-3W

PCD-R22-42-FOF-12

PCD-AWM-52

PCD-R22-42-FOF-20

PCD-AWM-55

PCD-R22-45

PCD-AWM-64

PCD-R22-45-FOF-12

\* Custom designs available on request



R22 "FM"



PCD-R22-42-FOF