

THREADED BUTTON BITS

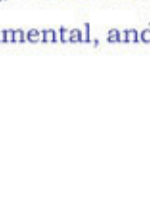
"GET MAXIMUM DRILLING PERFORMANCE FROM YOUR POWERFUL ROCK DRILL WITH DYNADRILL BUTTON BITS AND RETRAC BITS"

DYNADRILL BUTTON BITS PROVIDE CONSISTENT PERFORMANCE AND EXTENDED SERVICE LIFE RESULTING IN REDUCED FUEL COST



DYNADRILL BITS ARE COMPUTER DESIGNED, ENGINEERED, AND MANUFACTURED FOR SUPERIOR PENETRATION WHILE MAINTAINING CLEANING ACTION AT THE FACE OF THE BIT, THUS EXTENDING THE WORKING LIFE OF THE PRODUCT.

THREADED BUTTON BITS



Dynadrill has designed and manufactures in house a complete line of fast penetrating and rock pulverizing threaded button bits for the worldwide drilling industry. Dynadrill Threaded Bits have generated a price/performance leader for the drilling industry.

Dynadrill bits are suited for any type of drilling environment including, water well quarries, open pit and underground mining, construction, blasting, environmental, and oil and gas.

Technical Specifications :

- ▶ **Dynadrill** bits are computer designed, engineered, and manufactured, for superior penetration while maintaining maximum cleaning action at the face of the bit, thus extending the working life of the product.
- ▶ Products are field tested to our stringent quality requirements to provide consistent performance results in the field.
- ▶ **Dynadrill** bits are conditioned by a special manufacturing procedure which establishes a protective cushion on the bits, thus abating cracks which often occur in hi-impact drilling products.
- ▶ Bits are manufactured utilizing premium aircraft alloy steels, which provide for the longest possible product life. In addition premium quality carbide buttons are used in all of our drill bits.
- ▶ Multiple precision heat treatments of **Dynadrill** bits extend the product life for maximum wear and performance in the toughest of drilling conditions.
- ▶ The combination of premium steel, quality carbide, exact heat treatments, and state of the art design and manufacturing, yield a superior product capable of performing in the toughest of drilling conditions on a competitive basis.

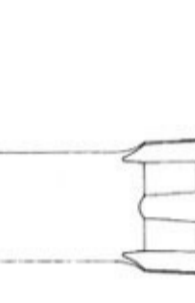
THREADED BUTTON BITS



Dynadrill Threaded Button Bits are available in two face styles and the majority of the popular thread forms. Our Dynadrill Threaded Button Bits are available in a 2" head size through a 5" head size, other head sizes and thread forms are available on a special order basis. Additionally, while 6 gauge row buttons are shown, 7 and 8 gauge row buttons are available. Common face styles and the drilling application best suited for that face are shown below.

FLAT

The flat face bit as the name implies is flat across the bit front. This bit is very aggressive in drilling applications and is suited best for very hard rock and in hard rock broken formations. Used primarily in blast hole work, the bit tends to lead off when drilling deep holes.



DROP CENTER

This type of drilling face is best suited for less hard and medium type rock formations. The drop center bit drills straight holes while maintaining good penetration. This face design is not as strong as the flat face design however straighter holes will prevail with this type of drilling face.



THREADED BUTTON BITS



Dynadrill Threaded Button Bits are also available with Venturi Air Holes or Reverse Flushing Holes. These holes allow for more efficient cleaning of material away from the cutting face of the bit in some types of rock formations.



CARBIDE BUTTONS

CARBIDE SIZE AND SHAPE IN DYNADRILL THREADED BUTTON

Dynadrill product engineers have chosen the best all around button size and number of buttons for each size bit. Large carbides tend to last longer, are less likely to have shear failure, and require less frequent sharpening. Smaller carbides tend to drill faster however, the sharpening interval is more frequent and they do wear out faster. Threaded Button Bits tend to have larger buttons on the gauge row and smaller buttons in the center.

Dynadrill Threaded Button Bits are available in two different carbide shapes. These shapes are Domed (sometimes referred to as Spherical) and Ballistic. Due to the high impact and stress incurred in buttons in Threaded Button Bits, **Dynadrill** has chosen a premium carbide with excellent resistance to wear and high toughness properties for all of our Dynadrill Threaded Button Bits. The following shows the types of buttons available.

DOMED (SPHERICAL)

This type of button is the most common shape utilized in Threaded Button Bits. This type of shape is the strongest and most resistant to breakage. The domed shape provides excellent penetration in medium rock, hard rock, and hard rock broken formations under most types of drilling conditions.

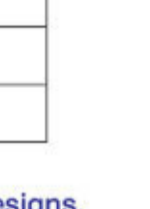


BALLISTIC

Normally this type of button is only used in soft consolidated drilling formations. This type of button is very aggressive and tends to drill very quickly. However, due to the ballistic shape it is prone to breakage if used in the wrong formations. Care should be used when drilling with this type button. Ballistic buttons do yield high penetration rates and efficient rock breakage.



THREADED BUTTON BITS



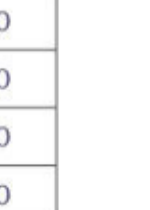
DYNADRILL BUTTON BIT & RETRAC BIT AVAILABILITY

Bit Size	Threads Available	Standard Bits	Retrac Bits
2" (51mm)	R32, R38, T38	✓	✓
2-1/2" (64mm)	R32, R38, T38	✓	✓
3" (76mm)	R32, R38, T38, T45, T51	✓	✓
3-1/2" (89mm)	R32, R38, T38, T45, T51	✓	✓
4" (102mm)	R38, T38, T45, T51	✓	✓
4-1/2" (115mm)	T38, T45, T51	✓	✓
5" (127mm)	T45, T51	✓	✓
5-1/2" (140mm)	T45, T51	✓	✓
6" (152mm)	T45, T51	✓	✓

The above sizes are available in FLAT FACE and DROP CENTER Designs. Dynadrill 4" (102mm) thru 6" (152mm) sizes are available with the exclusive DYNADRILL CONCAVE FACE Design for maximum rock drilling performance. Our exclusive CONCAVE FACE Design brings DTH Drilling performance to your TOP HAMMER rock drill.



THREADED BUTTON BITS



PRICE LIST

Size	Metric	Standard Body	Retract Body
2-1/2"	64mm	US\$ 80.00	US\$ 100.00
2-3/4"	70mm	95.00	115.00
3"	76mm	110.00	135.00
3-1/2"	89mm	145.00	175.00
4"	102mm	175.00	195.00
4-1/2"	115mm	210.00	265.00
5"	127mm	245.00	325.00
5-1/2"	140mm	265.00	350.00
6"	152mm	325.00	375.00

Prices Subject to Change without Notice, Contact us at time of order to confirm prices.

- **R38** ● **T38** ● **T45** ● **T51**
- **DROP CENTER** ● **FLAT FACE**

Designed For Today's Powerful New Generation Hydraulic Rock Drills

"BETTER BITS AT BETTER PRICES"



**Drill More Rock.....
.....Make More Money!**

PROUDLY MADE IN INDIA