

Drifting and tunnelling

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R25 (1")	23
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Drifting and tunnelling

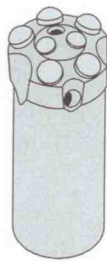
Drill bit design



Model -17

2+3 gauge buttons, 2 front buttons.

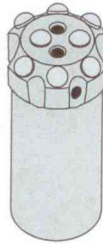
One front and two side flushing holes.



Model -27

2+3 gauge buttons, 2 front buttons.

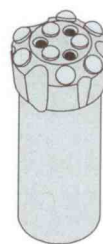
With its large gauge buttons, model -27 is ideal for medium-hard to hard abrasive rock. Available with spherical or ballistic (-67) buttons.



Model -34

3+3 gauge buttons, 2 front buttons.

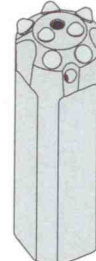
Model -34 offers very good penetration. Ideal for most rock formations including hard rock. Available with spherical or ballistic (-67) buttons.



Model -37

2+2+2 gauge buttons, 3 front buttons.

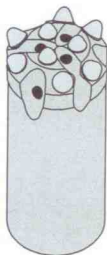
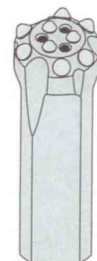
With 9 buttons and superb flushing, model -37 bits offer very good penetration. Ideal for most rock formations including hard rock with heavy frontal wear on the bit. Available with spherical or ballistic (-67) buttons.



Model -27-30, -37-30

Guide bit. Square skirt.

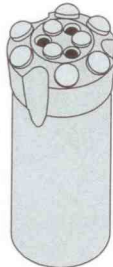
Ideal where hole deviation is a problem. Longer service life, better penetration rate and longer grinding intervals compared to a cross-type bit, which is normally used to avoid hole deviations. Suitable for most rock formations including hard rock. Available with spherical or ballistic (-67) buttons.



Model -37-66

2+2+2 gauge buttons, 3 front buttons.

With 9 full-ballistic buttons and excellent flushing with extra flushing grooves, model -37-66 offers extremely good penetration rate in soft rock.



Model -39

2+2+2 gauge buttons, 3 smaller front buttons.

With its larger gauge buttons, model -39 is ideal for abrasive rock. Available with spherical or ballistic (-67) buttons.



Model -41

2+3 gauge buttons, 2 front buttons.

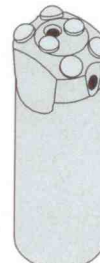
For medium-hard to hard rock formations. Available with spherical or ballistic (-67) buttons. Inclined front.



Model -42

Reaming bit. Dome-shaped front.

Model -42 is an alternative to traditional reaming equipment. Use in a pre-drilled pilot hole. Tried and tested with excellent results.



Model -56

2+2 gauge buttons, 2 smaller front buttons.

Traditionally used in hard rock formations, model -56 delivers excellent penetration rate. Available only with spherical buttons.



Cross-type bit

4 chisel inserts in cross formation.

Traditional insert bit for extremely abrasive rock formations. Ideal for soft formations that cause "snake-skin" problems for carbide. Produces straight holes but has lower penetration than button bits.

- 5 XXX

Flat face button bit

- 6 XXX

Drop centre button bit

-XXXX- 67

Ballistic buttons

-XXXX- 66

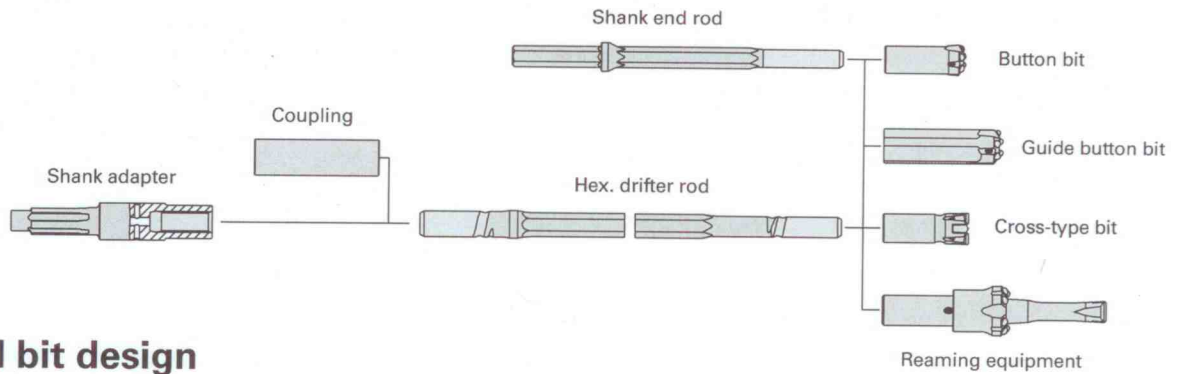
Full-ballistic buttons

-XXXX- 45

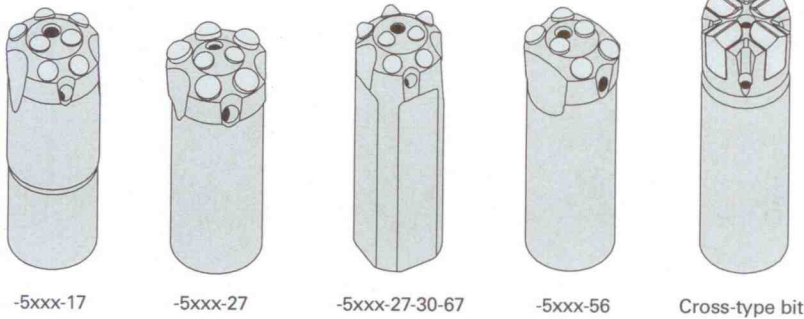
Retrac skirt

Please observe that all button bits are manufactured over-sized 0,5–1,0 mm, meaning that for example a 36 mm bit is at least 36,5 mm as new. This is done because of the fast initial wear on button bits.

It is important to consider that the drilled hole could vary in size due to drilling conditions, drilling practices and ground formation.



Drill bit design

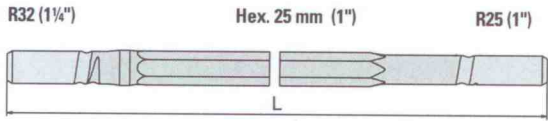


Please note text on page 22 re. finished hole size.

Drill bit

Diameter		Product No.	Product code	No. of buttons	Buttons x button diameter (mm)		Buttons angle°		Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre	Gauge	Centre	Side	Centre	
BUTTON BIT - Spherical buttons											
33	1 ¹ / ₁₆	90510448	102-5033-17,39-20	7	5x7	2x7	35°	-	1	1	0,4
35	1 ³ / ₁₆	90505181	102-5035-27,39-20	7	5x9	2x7	25°	10°	1	1	0,5
37	1 ⁵ / ₃₂	90505295	102-5037-27,39-20	7	5x9	2x7	30°	-	1	1	0,6
38	1 ¹ / ₂	90505179	102-5038-27,39-20	7	5x9	2x7	30°	-	1	1	0,6
38	1 ¹ / ₂	90510206	102-5038-56,39-20	6	4x9	2x8	30°	-	2	1	0,5
41	1 ⁵ / ₁₆	90505175	102-5041-27,39-20	7	5x9	2x8	35°	-	1	1	0,6
41	1 ⁵ / ₁₆	90510207	102-5041-56,39-20	6	4x9	2x9	35°	-	2	1	0,6
45	1 ³ / ₄	90505145	102-5045-27,39-20	7	5x11	2x8	30°	-	2	1	0,7
45	1 ³ / ₄	90510208	102-5045-56,39-20	6	4x11	2x9	35°	-	2	1	0,6
BUTTON BIT - Ballistic buttons											
33	1 ¹ / ₁₆	90510274	102-5033-17-67,39-20	7	5x7	2x7	35°	-	1	1	0,4
35	1 ³ / ₁₆	90509723	102-5035-27-67,39-20	7	5x9	2x7	25°	-	1	1	0,5
38	1 ¹ / ₂	90505180	102-5038-27-67,39-20	7	5x9	2x7	40°	-	1	1	0,6
41	1 ⁵ / ₁₆	90505176	102-5041-27-67,39-20	7	5x9	2x8	40°	-	1	1	0,6
41	1 ⁵ / ₁₆	90510662	102-5041-27-30-67,39-20	7	5x9	2x8	40°	-	1	1	1,0
CROSS-TYPE BIT					Insert						
					Width (mm)		Height (mm)				
35	1 ³ / ₁₆	90514221	102-7035-44,20-17		10,3		19,5		2	1	0,6
38	1 ¹ / ₂	90514222	102-7038-44,20-17		10,3		19,5		4	1	0,7
41	1 ⁵ / ₁₆	90514231	102-7041-44,20-17		11,1		20,0		4	1	0,8
45	1 ³ / ₄	90510687	102-7045-44,20-17		11,1		20,0		2	1	0,8

Drifter rod



Fully carburized. Rod section 28,5 mm.



Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 ⁵ / ₈ "	90503413	202-0321-03-C,02	8,6
2200	7'2 ⁵ / ₈ "	90580096	202-0322-03-C,02	9,0
2400	7'10 ¹ / ₂ "	90503115	202-0324-03-C,02	9,3
2600	8'6 ⁵ / ₈ "	90504963	202-0326-03-C,02	10,0
2675	8'9 ⁵ / ₈ "	90505259	202-0327-03-91-C,02	10,4
2800	9'2 ¹ / ₄ "	90505346	202-0328-03-C,02	10,8
3090	10'1 ⁵ / ₈ "	90539158	202-0331-03-C,02	12,0
3700	12'1 ⁵ / ₈ "	90002721	202-0337-03-C,02	14,6

Coupling



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
32	1 ¹ / ₄	44	1 ²³ / ₃₂	150	5 ⁷ / ₈	90515731	303-0044,10	1,0
32	1 ¹ / ₄	44	1 ²³ / ₃₂	160	6 ⁵ / ₁₆	90515732	303-0044-57,10	1,2

