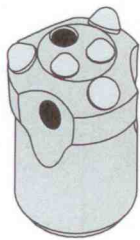


Tapered equipment

Drill bit design	16
Drill rod	19
Directional indicator drill rod	20
Directional indicator drill bit	20

Tapered equipment

Drill bit design



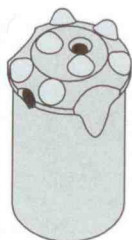
Model -12

For soft to medium-hard rock formations. One front and two side flushing holes.



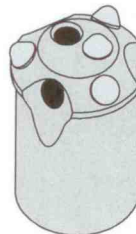
Model -14

For soft to medium-hard rock. Two front and one side flushing hole.



Model -17

All-round drill bit for soft to medium-hard rock. Front and side flushing. Diametres up to 34 mm.



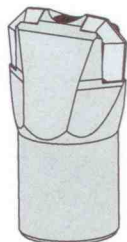
Model -23

For soft and abrasive rock. Front and side flushing.



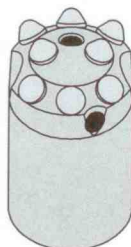
Model -27

All-round drill bit for medium-hard to hard rock formations. Front and side flushing. Diametres from 35 mm.



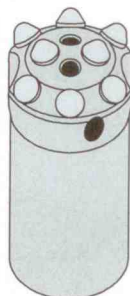
Model -31 Directional bit

Special designed bit for block splitting in dimensional stone industry (DSI). Front flushing.



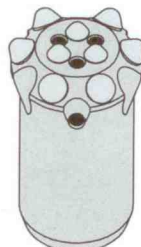
Model -33

All-round bit with six gauge buttons for medium-hard to hard rock formations. Front and side flushing. Inclined front buttons.



Model -34

All-round bit for soft to hard rock formations. Two front flushing holes for optimal speed and less hole deviation. Inclined front buttons.



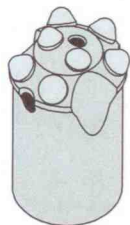
Model -37

All-round drill bit for soft, medium and hard rock with excellent flushing capacity. Front and side flushing.



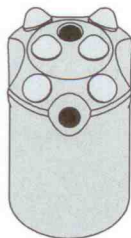
Model -40

All-round bit for medium-hard to hard rock. Side flushing only. Inclined front buttons.



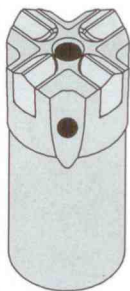
Model -41, short skirt

All-round bit for medium-hard to hard rock. Front and side flushing. Inclined front buttons.



Model -56

All-round drill bit for medium-hard to hard rock formations. Front and side flushing.



Cross-type bit

For hard and abrasive rock. Front and side flushing.

Please observe that all button bits are manufactured over-sized 0,5–1,0 mm, meaning that for example a 36,0 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.

Tapered equipment

Drill bit

Diameter		Product No.	Product code	Length		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Front buttons angle°	Flushing hole		Weight approx. kg
mm	inch			mm	inch		Gauge	Centre			Side	Centre	
BUTTON BIT - For 22 mm (7/8") hex. rod. 4°46' taper angle. Short skirt.													
36	1 ³ / ₃₂	90510678	178-9036-14-67,39-20	50	1 ³¹ / ₃₂	7	5×7	2×7	35°	-	1	2	0,3
38	1/2	90512880	178-9038-14-67,39-20	50	1 ³¹ / ₃₂	7	5×7	2×7	35°	-	1	2	0,3
BUTTON BIT - For 22 mm (7/8") hex. rod. 11° taper angle. Short skirt.													
32	1/4	90510100	179-9032-12-67,50-20	50	1 ³¹ / ₃₂	5	3×8	2×7	35°	-	2	1	0,3
32	1/4	90512816	179-9032-33-67,39-20	55	2 ⁵ / ₃₂	8	6×7	2×7	39°	15°	1	1	0,3
32	1/4	90510189	179-9032-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	35°	-	1	1	0,3
33	1 ⁵ / ₁₆	90512712	179-9033-40-67,52-20	50	1 ³¹ / ₃₂	9	6×7	3×7	40°	20°	2	-	0,3
33	1 ⁵ / ₁₆	90512801	179-9033-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	40°	-	1	1	0,2
34	1 ¹¹ / ₃₂	90512881	179-9034-40-67,39-20	50	1 ³¹ / ₃₂	9	6×7	3×7	40°	20°	2	-	0,3
35	1 ³ / ₈	90512818	179-9035-41-67-L,39-20*	55	2 ⁵ / ₃₂	7	5×8	2×7	40°	15°	1	1	0,3
36	1 ¹³ / ₃₂	90509963	179-9036-12-67,39-20	50	1 ³¹ / ₃₂	5	3×8	2×8	40°	-	2	1	0,3
36	1 ¹³ / ₃₂	90510127	179-9036-23-67,50-20	50	1 ³¹ / ₃₂	4	3×9	1×8	35°	-	1	1	0,4
36	1 ¹³ / ₃₂	90509968	179-9036-27-67,39-20	50	1 ³¹ / ₃₂	7	5×8	2×7	35°	-	1	1	0,3
36	1 ¹³ / ₃₂	90510192	179-9036-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	40°	-	1	1	0,4
38	1/2	90510669	179-9038-23-67,39-20	50	1 ³¹ / ₃₂	4	3×9	1×9	40°	-	2	1	0,3
38	1/2	90509966	179-9038-27-67,39-20	50	1 ³¹ / ₃₂	7	5×9	2×7	35°	-	1	1	0,3
40	1 ⁵ / ₁₆	90512668	179-9040-23-67,39-20	50	1 ³¹ / ₃₂	4	3×9	1×9	40°	-	1	1	0,4
41	1 ⁵ / ₈	90509962	179-9041-27-67,39-20	50	1 ³¹ / ₃₂	7	5×9	2×7	35°	-	2	1	0,3
BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Short skirt.													
27	1/16	90512895	177-9027-56-67,51-20	50	1 ³¹ / ₃₂	6	4×6	2×6	40°	15°	1	1	0,2
28	1/8	90510695	177-9028-23-67,39-20	50	1 ³¹ / ₃₂	4	3×7	1×7	20°	-	1	1	0,1
30	1 ³ / ₁₆	90509862	177-9030-23-67,39-20	50	1 ³¹ / ₃₂	4	3×7	1×7	40°	-	1	1	0,2
30	1 ³ / ₁₆	90510181	177-9030-56-67,51-20	50	1 ³¹ / ₃₂	6	4×7	2×7	30°	-	1	1	0,2
32	1/4	90509650	177-9032-14-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	-	1	2	0,3
32	1/4	90509841	177-9032-17-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	-	1	1	0,2
32	1/4	90512817	177-9032-34-67,39-20	55	2 ⁵ / ₃₂	8	6×7	2×7	39°	15°	1	2	0,3
33	1 ⁵ / ₁₆	90512648	177-9033-14-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	-	1	2	0,2
33	1 ⁵ / ₁₆	90509842	177-9033-17-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	-	1	1	0,2
33	1 ⁵ / ₁₆	90513909	177-9033-41-67,39-20	55	2 ⁵ / ₃₂	7	5×8	2×7	40°	15°	1	1	0,2
33	1 ⁵ / ₁₆	90510183	177-9033-56-67,50-20	55	2 ⁵ / ₃₂	6	4×7	2×7	35°	-	1	1	0,2
34	1 ¹¹ / ₃₂	90509956	177-9034-27-67,39-20	55	2 ⁵ / ₃₂	7	5×8	2×7	35°	-	1	1	0,2
35	1 ³ / ₈	90509535	177-9035-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,2
35	1 ³ / ₈	90510184	177-9035-56-67,50-20	55	2 ⁵ / ₃₂	6	4×7	2×7	35°	-	1	1	0,2
36	1 ¹³ / ₃₂	90512721	177-9036-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,3
37	1 ¹⁵ / ₃₂	90512710	177-9037-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	40°	-	1	1	0,3
38	1/2	90512232	177-9038-12-67,39-20	55	2 ⁵ / ₃₂	5	3×9	2×8	40°	-	1	1	0,2
38	1/2	90512658	177-9038-17-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	40°	-	1	1	0,3
38	1/2	90510676	177-9038-23-67,39-20	55	2 ⁵ / ₃₂	4	3×9	1×9	40°	-	1	1	0,2
38	1/2	90509554	177-9038-27,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,2
38	1/2	90512669	177-9038-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,2
41	1 ⁵ / ₈	90512318	177-9041-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,3
45	1 ³ / ₄	90512230	177-9045-12-67,39-20	55	2 ⁵ / ₃₂	5	3×9	2×9	40°	-	1	1	0,2
45	1 ³ / ₄	90512619	177-9045-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	-	1	1	0,3

-67 = Ballistic buttons.

* Long bit head.

Cont. next page

