

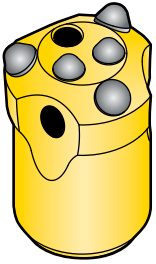


TAPERED EQUIPMENT

| | |
|-----------------------------------|-----------|
| Drill bit design | 18 |
| Drill bits | 19 |
| Tapered rods | 21 |
| Tapered drifter rods | 22 |

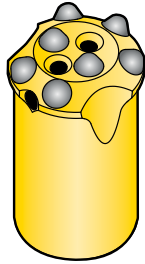
TAPERED EQUIPMENT

Drill bit design



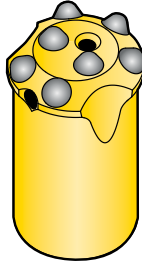
Model -12

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



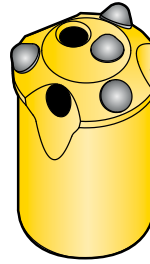
Model -14

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



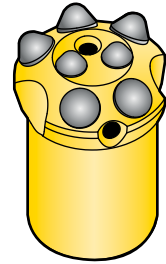
Model -17

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



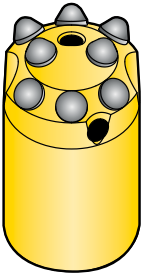
Model -23

For soft and abrasive rock. Front and side flushing.



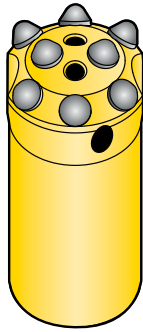
Model -27

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



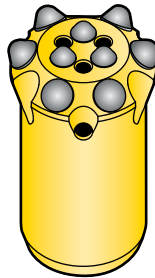
Model -33

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



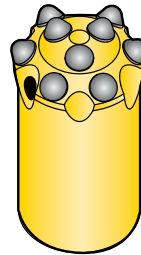
Model -34

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



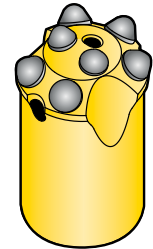
Model -37

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



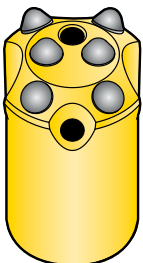
Model -40

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



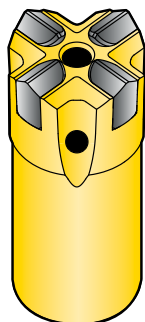
Model -41, short skirt

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.

Drill bits

| 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 ¹³ / ₃₂ | 90510678 | 178-9036-14-67,39-20 | 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 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 ¹ / ₄ | 90510189 | 179-9032-56-67,50-20 | 50 | 1 ³¹ / ₃₂ | 6 | 4×7 | 2×7 | 35° | – | 1 | 1 | 0,3 |
| 34 | 1 ¹¹ / ₃₂ | 90516496 | 179-9034-12-67,51-20 | 50 | 1 ³¹ / ₃₂ | 5 | 3×8 | 2×7 | 35° | – | 2 | 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 |
| 34 | 1 ¹¹ / ₃₂ | 90029049 | 179-9034-56-67,51-20 | 50 | 1 ³¹ / ₃₂ | 6 | 4×7 | 2×7 | 40° | – | 1 | 1 | 0,2 |
| 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 | 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 | 90512965 | 179-9036-12-67,51-20 | 50 | 1 ³¹ / ₃₂ | 5 | 3×8 | 2×8 | 40° | – | 2 | 1 | 0,2 |
| 38 | 1 ¹ / ₂ | 90512968 | 179-9038-23-67,51-20 | 50 | 1 ³¹ / ₃₂ | 4 | 3×9 | 1×9 | 40° | – | 2 | 1 | 0,3 |
| 38 | 1 ¹ / ₂ | 90509966 | 179-9038-27-67,39-20 | 50 | 1 ³¹ / ₃₂ | 7 | 5×9 | 2×7 | 35° | – | 1 | 1 | 0,3 |
| 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 |
| 43 | 1 ¹¹ / ₁₆ | 90512898 | 179-9043-27-67,51-20 | 50 | 1 ³¹ / ₃₂ | 7 | 5×9 | 2×9 | 35° | – | 2 | 1 | 0,4 |
| BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Short skirt. | | | | | | | | | | | | | |
| 27 | 1 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 ¹ / ₈ | 90510695 | 177-9028-23-67,39-20 | 50 | 1 ³¹ / ₃₂ | 4 | 3×7 | 1×7 | 20° | – | 1 | 1 | 0,1 |
| 28 | 1 ¹ / ₈ | 90516429 | 177-9028-56-67,51-20 | 50 | 1 ³¹ / ₃₂ | 6 | 4×6 | 2×6 | 35° | – | 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 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 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 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 | 90003511 | 177-9033-34-67,39-20 | 55 | 2 ⁵ / ₃₂ | 8 | 6×7 | 2×7 | 35° | – | 1 | 2 | 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 |
| 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 |
| 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 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 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 ¹ / ₂ | 90509554 | 177-9038-27,39-20 | 55 | 2 ⁵ / ₃₂ | 7 | 5×9 | 2×7 | 35° | – | 1 | 1 | 0,2 |
| 38 | 1 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 | 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

TAPERED EQUIPMENT

Drill bits

| 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. Long skirt. | | | | | | | | | | | | | |
| 33 | 1 5/16 | 90512905 | 178-5033-41-67,51-20 | 71 | 2 5/32 | 7 | 5x8 | 2x7 | 40° | 15° | 1 | 1 | 0,4 |
| 36 | 1 13/32 | 90512919 | 178-5036-27-67,51-20 | 71 | 2 5/32 | 7 | 5x9 | 2x7 | 35° | – | 1 | 1 | 0,4 |
| 41 | 1 5/8 | 90512901 | 178-5041-34-67,51-20 | 71 | 2 5/32 | 7 | 6x7 | 2x7 | 35° | – | – | 2 | 0,4 |
| 43 | 1 11/16 | 90512900 | 178-5043-14-67,51-20 | 71 | 2 5/32 | 7 | 5x9 | 2x8 | 35° | – | 2 | 1 | 0,4 |
| BUTTON BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt. | | | | | | | | | | | | | |
| 30 | 1 3/16 | 90512883 | 173-5030-17-67,39-20 | 80 | 3 5/32 | 7 | 5x6 | 2x7 | 35° | – | 2 | 1 | 0,2 |
| 32 | 1 1/4 | 90512799 | 173-5032-17-67,39-20 | 80 | 3 5/32 | 7 | 5x7 | 2x7 | 35° | – | 1 | 1 | 0,3 |
| 33 | 1 5/16 | 90515546 | 173-5033-34-67,39-20 | 80 | 3 5/32 | 8 | 6x7 | 2x7 | 40° | – | 1 | 2 | 0,3 |
| 33 | 1 5/16 | 90515547 | 173-5033-40-67,39-20 | 80 | 3 5/32 | 9 | 6x7 | 3x7 | 40° | 20° | 3 | – | 0,4 |
| 35 | 1 3/8 | 90512922 | 173-5035-41-67,39-20 | 80 | 3 5/32 | 7 | 5x8 | 2x7 | 40° | 15° | 1 | 1 | 0,4 |
| 37 | 1 15/32 | 90515584 | 173-5037-41-67,39-20 | 80 | 3 5/32 | 7 | 5x9 | 2x7 | 40° | 15° | 1 | 1 | 0,4 |
| 41 | 1 5/8 | 90514506 | 173-5041-41-67,39-20 | 80 | 3 5/32 | 7 | 5x9 | 2x8 | 40° | 15° | 1 | 1 | 0,4 |
| BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Long skirt. | | | | | | | | | | | | | |
| 32 | 1 1/4 | 90510640 | 177-5032-17-67,39-20 | 71 | 2 25/32 | 7 | 5x7 | 2x7 | 35° | – | 1 | 1 | 0,3 |
| 33 | 1 5/16 | 90512297 | 177-5033-17-67,39-20 | 71 | 2 25/32 | 7 | 5x7 | 2x7 | 35° | – | 1 | 1 | 0,3 |
| 33 | 1 5/16 | 90512825 | 177-5033-34-67,39-20 | 71 | 2 25/32 | 8 | 6x7 | 2x7 | 40° | 15° | 1 | 2 | 0,3 |
| 33 | 1 5/16 | 90512707 | 177-5033-40-67,39-20 | 71 | 2 25/32 | 9 | 6x7 | 3x7 | 40° | 20° | 3 | – | 0,3 |
| 35 | 1 3/8 | 90512826 | 177-5035-34-67,39-20 | 71 | 2 25/32 | 8 | 6x8 | 2x7 | 45° | 15° | 1 | 2 | 0,3 |
| 38 | 1 1/2 | 90502644 | 177-5038-27,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x7 | 35° | – | 1 | 1 | 0,4 |
| BUTTON BIT - For 25 mm (1") hex. rod. 7° taper angle. Long skirt. | | | | | | | | | | | | | |
| 41 | 1 5/8 | 90512830 | 194-5041-27,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x8 | 40° | – | 1 | 1 | 0,4 |
| 41 | 1 5/8 | 90512831 | 194-5041-27-67,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x8 | 40° | – | 1 | 1 | 0,4 |
| 41 | 1 5/8 | 90512984 | 194-5041-37-67,39-20 | 71 | 2 25/32 | 9 | 6x9 | 3x7 | 40° | – | 1 | 3 | 0,4 |
| 41 | 1 5/8 | 90516567 | 194-5041-56-67,39-20 | 71 | 2 25/32 | 6 | 4x9 | 2x8 | 35° | – | 1 | 1 | 0,2 |
| 43 | 1 11/16 | 90512985 | 194-5043-37-67,39-20 | 71 | 2 25/32 | 9 | 6x9 | 3x7 | 40° | – | 1 | 3 | 0,5 |
| 43 | 1 11/16 | 90516568 | 194-5043-56-67,39-20 | 71 | 2 25/32 | 6 | 4x9 | 2x8 | 35° | – | 1 | 1 | 0,3 |
| BUTTON BIT - For 25 mm (1") hex. rod. 12° taper. Long skirt. | | | | | | | | | | | | | |
| 36 | 1 13/32 | 90514202 | 180-5036-99-67,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x7 | 35° | 15° | 1 | 1 | 0,3 |
| 38 | 1 1/2 | 90512064 | 180-5038-27-67,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x7 | 40° | – | 1 | 1 | 0,4 |
| 41 | 1 5/8 | 90512486 | 180-5041-27-67,39-20 | 71 | 2 25/32 | 7 | 5x9 | 2x7 | 40° | – | 1 | 1 | 0,4 |
| CROSS-TYPE BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt. | | | | | | | | | | | | | |
| 35 | 1 3/8 | 90509643 | 173-7035-28,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | – | 0,3 |
| CROSS-TYPE BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Long skirt. | | | | | | | | | | | | | |
| 29 | 1 5/32 | 90503889 | 177-7029,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,2 |
| 30 | 1 3/16 | 90516346 | 177-1030-10,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,2 |
| 32 | 1 1/4 | 90503024 | 177-7032,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,3 |
| 32 | 1 1/4 | 90512643 | 177-7032-10,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,3 |
| 33 | 1 5/16 | 90509505 | 177-7033,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,3 |
| 35 | 1 3/8 | 90500739 | 177-7035,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,3 |
| 38 | 1 1/2 | 90500740 | 177-7038,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,4 |
| 41 | 1 5/8 | 90503890 | 177-7041,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,5 |
| 45 | 1 3/4 | 90503069 | 177-7045,01-17 | 71 | 2 25/32 | – | – | – | – | – | 2 | 1 | 0,6 |

-67 = Ballistic buttons.

Tapered rods



Shank hex. 22 mm ($\frac{7}{8}$ ") x 108 mm ($4\frac{1}{4}$ ").

Rod hex. 22 mm ($\frac{7}{8}$ ").

Flushing hole diameter 6,7 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|--------------------------|-----------|-------------|---------------|-------------------|
| mm | foot/inch | | | |
| 4°46' taper angle | | | | |
| 800 | 2'7½" | 90510626 | 578-0108,11 | 2,9 |
| 1600 | 5'3" | 90510627 | 578-0116,11 | 5,4 |
| 2000 | 6'6¾" | 90510628 | 578-0120,11 | 6,6 |
| 2400 | 7'10½" | 90510629 | 578-0124,11 | 7,8 |
| 3200 | 10'6" | 90510630 | 578-0132,11 | 10,2 |
| 3500 | 11'5¾" | 90513835 | 578-0135,11 | 11,1 |
| 4000 | 13'1½" | 90510631 | 578-0140,11 | 12,7 |
| 7° taper angle | | | | |
| 400 | 1'3¾" | 90513772 | 573-0104,11 | 1,7 |
| 800 | 2'7½" | 90505067 | 573-0108,11 | 2,7 |
| 1600 | 5'3" | 90504826 | 573-0116,11 | 5,4 |
| 1830 | 6' | 90504827 | 573-0118,11 | 6,0 |
| 2000 | 6'6¾" | 90504756 | 573-0120,11 | 6,7 |
| 2435 | 8' | 90504828 | 573-0124,11 | 7,7 |
| 2435 | 8' | 90515483 | 573-0124-C,02 | 7,8 |
| 3050 | 10' | 90504829 | 573-0131,11 | 9,8 |
| 3200 | 10'6" | 90504831 | 573-0132,11 | 10,1 |
| 3200 | 10'6" | 90516583 | 573-0132-C,02 | 10,1 |
| 3660 | 12' | 90514346 | 573-0136,11 | 11,4 |
| 4000 | 13'1½" | 90513773 | 573-0140,11 | 12,7 |
| 4000 | 13'1½" | 90516584 | 573-0140-C,02 | 12,7 |
| 4800 | 15'9" | 90515495 | 573-0148,11 | 15,1 |
| 5600 | 18'4½" | 90514493 | 573-0156,11 | 17,1 |
| 6400 | 21' | 90514494 | 573-0164,11 | 19,5 |
| 7200 | 23'7½" | 90514495 | 573-0172,11 | 22,0 |
| 8000 | 26'3" | 90514496 | 573-0180,11 | 24,2 |
| 11° taper angle | | | | |
| 800 | 2'7½" | 90504864 | 579-0108,11 | 2,8 |
| 1220 | 4' | 90504865 | 579-0112,11 | 4,2 |
| 1525 | 5' | 90504867 | 579-0115,11 | 5,3 |
| 1600 | 5'3" | 90510144 | 579-0116,11 | 5,3 |
| 1830 | 6' | 90504868 | 579-0118,11 | 5,9 |
| 2000 | 6'6¾" | 90504869 | 579-0120,11 | 6,6 |
| 2435 | 8' | 90504871 | 579-0124,11 | 7,7 |
| 2435 | 8' | 90505441 | 579-0124-C,02 | 7,9 |
| 3200 | 10'6" | 90510202 | 579-0132,11 | 10,3 |
| 3655 | 11'11⅞" | 90510203 | 579-0137,11 | 11,7 |
| 4000 | 13'1½" | 90510245 | 579-0140,11 | 12,8 |
| 4800 | 15'9" | 90510817 | 579-0148,11 | 15,2 |
| 5600 | 18'4½" | 90510894 | 579-0156,11 | 17,6 |
| 6400 | 21' | 90510895 | 579-0164,11 | 20,0 |
| 7200 | 23'7½" | 90510896 | 579-0172,11 | 22,4 |
| 8000 | 26'3" | 90510897 | 579-0180,11 | 24,9 |

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------------------|-----------|-------------|---------------|-------------------|
| mm | foot/inch | | | |
| 12° taper angle | | | | |
| 610 | 2' | 90504832 | 577-0106,11 | 2,2 |
| 800 | 2'7½" | 90504833 | 577-0108,11 | 2,8 |
| 1220 | 4' | 90504835 | 577-0112,11 | 4,2 |
| 1220 | 4' | 90505433 | 577-0112-C,02 | 4,2 |
| 1525 | 5' | 90504837 | 577-0115,11 | 4,9 |
| 1525 | 5' | 90515271 | 577-0115-C,02 | 4,9 |
| 1830 | 6' | 90001398 | 577-0118,11 | 6,1 |
| 1830 | 6' | 90505434 | 577-0118-C,02 | 6,1 |
| 2000 | 6'6¾" | 90504839 | 577-0120,11 | 6,8 |
| 2435 | 8' | 90504841 | 577-0124,11 | 7,6 |
| 2435 | 8' | 90505436 | 577-0124-C,02 | 7,8 |
| 3050 | 10' | 90504843 | 577-0131,11 | 9,9 |
| 3050 | 10' | 90505437 | 577-0131-C,02 | 9,9 |
| 3200 | 10'6" | 90504844 | 577-0132,11 | 9,9 |
| 3655 | 11'11⅞" | 90504845 | 577-0137,11 | 11,3 |
| 3655 | 11'11⅞" | 90505438 | 577-0137-C,02 | 11,7 |
| 3965 | 13' | 90504846 | 577-0140,11 | 12,2 |
| 4800 | 15'9" | 90504847 | 577-0148,11 | 14,7 |
| 5600 | 18'4½" | 90504848 | 577-0156,11 | 17,1 |
| 6400 | 21' | 90504849 | 577-0164,11 | 19,5 |
| 7200 | 23'7½" | 90504850 | 577-0172,11 | 22,0 |
| 8000 | 26'3" | 90504851 | 577-0180,11 | 24,2 |

Shank hex. 25 mm (1") x 108 mm ($4\frac{1}{4}$ ").

Rod hex. 25 mm (1").

Flushing hole diameter 7,6 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|--|-----------|-------------|---------------|-------------------|
| mm | foot/inch | | | |
| 7° taper angle | | | | |
| 600 | 1'11⅝" | 90029209 | 594-1106-C,02 | 2,6 |
| 1220 | 4' | 90029211 | 594-1112-C,02 | 2,8 |
| 1500 | 4'11" | 90029212 | 594-1115-C,02 | 6,5 |
| 1600 | 5'3" | 90029213 | 594-1116-C,02 | 6,9 |
| 1830 | 6' | 90029095 | 594-1118-C,02 | 8,0 |
| 2000 | 6'6¾" | 90029214 | 594-1120-C,02 | 8,5 |
| 2200 | 7'2⅝" | 90029215 | 594-1122-C,02 | 9,3 |
| 2400 | 7'10½" | 90029219 | 594-1124-C,02 | 10,1 |
| 2600 | 8'6⅞" | 90029220 | 594-1126-C,02 | 10,9 |
| 3200 | 10'6" | 90029221 | 594-1132-C,02 | 13,2 |
| 3900 | 12'9½" | 90029222 | 594-1139-C,02 | 16,1 |
| 7° taper angle, without forged collar. L = total length | | | | |
| 600 | 1'11⅝" | 90515874 | 594-5106,11 | 2,4 |
| 1000 | 3'3⅞" | 90515875 | 594-5110,11 | 4,0 |
| 1400 | 4'7⅞" | 90515876 | 594-5114,11 | 5,6 |
| 1800 | 5'10⅞" | 90515877 | 594-5118,11 | 7,2 |

TAPERED EQUIPMENT

Tapered drifter rods

R32 (1¼") Hex. 25 mm (1") 4°46'



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|-----------------------------------|-------------|---------------------|-------------------|
| mm | foot/inch | | | |
| 2000 | 6'6 ³ / ₈ " | 90029168 | 297-0320-03-99-C,02 | 8,1 |
| 2160 | 7'1" | 90003622 | 297-0322-03-C,02 | 8,5 |
| 2300 | 7'6 ¹ / ₂ " | 90003539 | 297-0323-03-C,02 | 8,9 |
| 2900 | 9'6 ¹ / ₈ " | 90003623 | 297-0329-03-C,02 | 11,2 |
| 3100 | 10'2" | 90003540 | 297-0331-03-C,02 | 12,0 |

R28 (1½") Hex. 28 mm (1½") 11°



Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|------------------------------------|-------------|------------------|-------------------|
| mm | foot/inch | | | |
| 2100 | 6'10 ⁵ / ₈ " | 90516503 | 279-0421-07-C,02 | 10,5 |

R28 (1½") Hex. 25 mm (1") 11°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|------------------------------------|-------------|------------------|-------------------|
| mm | foot/inch | | | |
| 2100 | 6'10 ⁵ / ₈ " | 90003633 | 279-0321-07-C,02 | 8,1 |

R32 (1¼") Hex. 25 mm (1") 12°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|------------------------------------|-------------|---------------------|-------------------|
| mm | foot/inch | | | |
| 2400 | 7'10 ¹ / ₂ " | 90003520 | 277-0324-03-C,02 | 9,3 |
| 2780 | 9'1 ¹ / ₂ " | 90505274 | 277-0328-03-91-C,02 | 10,7 |
| 3400 | 11'1 ⁷ / ₈ " | 90504668 | 277-0334-03-C,02 | 13,2 |
| 3700 | 12'1 ⁵ / ₈ " | 90003679 | 277-0337-03-C,02 | 14,4 |

R32 (1¼") Hex. 25 mm (1") 11°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|-----------------------------------|-------------|------------------|-------------------|
| mm | foot/inch | | | |
| 2200 | 7'2 ⁵ / ₈ " | 90003697 | 279-0322-03-C,02 | 8,6 |
| 2800 | 9'2 ¹ / ₄ " | 90514410 | 279-0328-03-C,02 | 10,8 |

R32 (1¼") Hex. 28 mm (1½") 12°



Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

| Length (L) | | Product No. | Product code | Weight approx. kg |
|------------|-----------------------------------|-------------|------------------|-------------------|
| mm | foot/inch | | | |
| 2600 | 8'6 ³ / ₈ " | 90510248 | 280-0426-03-C,02 | 13,5 |



