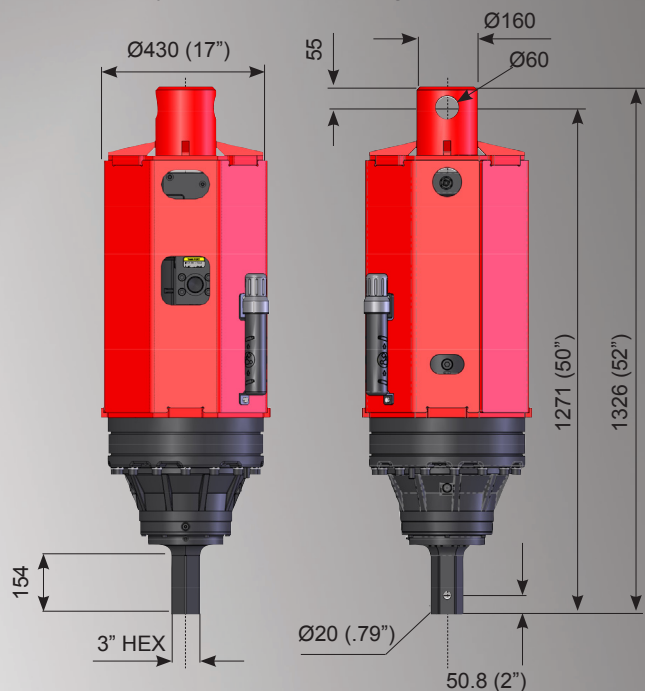


EMD 20 auger drives



AUGER DRIVE MODEL		
EMD-20		
TOTAL UNIT WEIGHT	880 LBS / 400 Kg	
HYDRAULIC MOTOR INFORMATION		
Displacement	8.25 cu/in (135cc)	
Motor Type	Variable Speed Bidirectional	
Motor Output Shaft	8/16 Spline 13T	
Motor Mount	SAE - D 2 Bolt	
Motor Ports	Radial (Quick Coupler)	
Cross Over Pressure Relief	None	
PLANETARY GEARBOX INFORMATION		
Gearbox Type	Planetary Three Stage	
Reduction Ratio	60.56:1	
Output Shaft	3" Hex	
Oil Capacity	3.0 Gallons	
Oil Type	SAE 80W90 GL-5	
Shaft Pull Out (lbs.)	45,000 lbs.	
REFERENCE TORQUE CHART		
Pressure Bar (PSI)	High Torque (ft/lbs)	Low Torque (ft/lbs)
110 (2600)		8669
124 (2800)		9336
137 (3000)		10003
151 (3200)		10670
165 (3400)	19131	
179 (3600)	20256	
193 (3800)	21382	
206 (4000)	22507	
REFERENCE SPEED CHART		
Flow Liter (GPM)	Low Spd (rpm)	High Spd (rpm)
150 (40)	16	27
169 (45)	18	30
188 (50)	20	33
206 (55)	22	37
225 (60)	24	40

The EMD-20 drilling drive will turn those utility and small foundation augers in most soil types. The auto shift feature allows the drive to automatically select the best drilling speed and torque.



AUGER STAND

SAFE - SIMPLE – SAVES Time.

- >>> Connection of Drill to Excavator made easy from the vertical position holder – no more lining up at ground level.
- >>> Safe and accurate handling when loading augers on to the drill unit – no more time wasted or hassle when connecting auger sections together.
- >>> Secure and Safe transport both too site and when on site – saves handling time.
- >>> Excavator Mounted Drill and Auger Stand gives you easy cleaning of all augers and extensions.

Stand holds the following auger options,
 1 Auger Drill Unit.
 1 off 1.5m Lead Auger.
 4 off 1.5m sections of Flight Augers.
 2 off 1.5m Extensions, Total possible drilling depth 10.5m.
 Auger Dia. Available to fit into stand, 350,400,450,500,600mm

DAWSON CONSTRUCTION PLANT LTD.
 CHESNEY WOLD,
 BLEAK HALL
 MILTON KEYNES
 MK6 1NE, ENGLAND
 TEL: +44 (0) 1908 240300
 FAX: +44 (0) 1908 240222
 EMAIL: DAWSON@DCPUK.COM



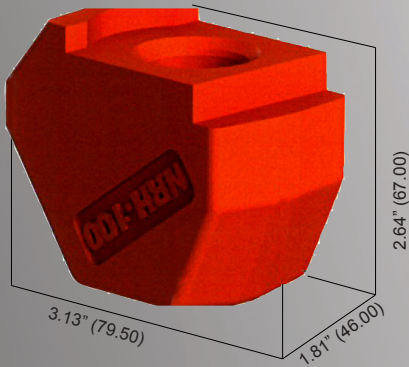
ONE THREE drilling teeth HOLDER SEVEN drilling conditions

Non- Rotating (NR) Radial Tooth

Non- Rotating Wedge Tooth (NRW)

Strata (SR) Rotating Conical Tooth

PATENT PENDING



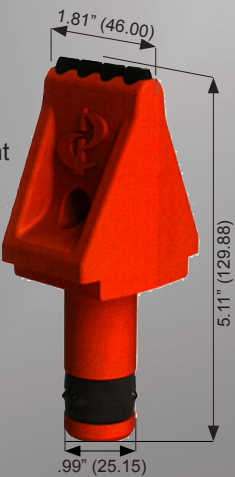
NRH-100
Trident Holder
for 1" Shank
Trident Series Teeth
990088



NRH-100 TRIDENT HOLDER	1"	15	36.3	990088
NR-100 TOOTH	1"	35	47.25	990092
SR-100 TOOTH	1"	35	36.75	850023
NRW-100 TOOTH	1"	40	41.2	990098



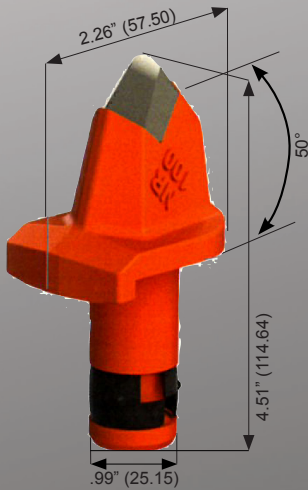
118°
Drill Point



NW-100
Non-Rotating
Wedge Tooth
990098



SR-100
STRATA CONICAL
Tooth
850023



NR-100
Non-Rotating
Tooth
990092

1 3 5
2 4
6

6

7

- | | | |
|---|----------------------|--|
| 1 | Dirt | peat, organic silts, very loose sand, very soft, swamp, marsh. Soil Abrasion: LOW |
| 2 | Sand | loose, fine sand; loess and medium clay, flood plain soils, lake clay. Soil Abrasion: MED |
| 3 | Silt | coarse sand to stiff clay, dense hydraulic fill, compacted fill, residual soils. Soil Abrasion: HIGH |
| 4 | Clay | stiff to very stiff clay, glacial fill, hard-pan, marls. Soil Abrasion: LOW to MED |
| 5 | Gravel | basalt, very hard silts and clay, weathered laminated rock. Soil Abrasion: HIGH |
| 6 | Fracturable Rock | caliche, coarse gravel and cobbles; frozen soil. Soil Abrasion: HIGH |
| 7 | Non-Fracturable Rock | granite, basalt, massive limestone. Soil Abrasion: HIGH |