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EFFICIENCY  
TRENCH SHIELDS

MODEL **HT6-820**

SERIAL NUMBER **120414**

REFERENCE TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AND  
REGULATIONS, 29 CFR, NO 209, PART 1926, SUBPART P

| SHIELD SIZE  |                  | PSF RATING   | MAXIMUM ALLOWABLE DEPTH OF CUT (FEET)<br>D   |  |   |
|--|------------------|--|--|--|---|
|  |                  |  | SOIL TYPE TO BE EXCAVATED  |  |   |
| HEIGHT<br>(FEET)   | LENGTH<br>(FEET) | MAXIMUM LATERAL<br>EARTH PRESSURE<br>CAPACITY AT TRENCH<br>BOTTOM IN POUNDS<br>PER SQUARE FOOT | TYPE A<br>STIFF, COHESIVE SOIL<br>25 PSF<br>PER FOOT OF DEPTH.   | TYPE B<br>MEDIUM COHESIVE TO<br>GRANULAR SOIL. 45 PSF<br>PER FOOT OF DEPTH.  | TYPE C<br>SOFT COHESIVE TO<br>SUBMERGED SOIL. 60 PSF<br>PER FOOT OF DEPTH. -  |
| 8  | 20               | 1500   | 60   | 33   | 25  |
| <b>LIMITATIONS IN USE OF TABLE</b><br>1. TRENCH SHIELD TO BE ASSEMBLED AND INSTALLED AS SHOWN<br>AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.<br>2. EXCAVATION 2 FEET BELOW BOTTOM OF SHIELD IS PERMITTED<br>WHEN NO LOSS OF SOIL FROM BEHIND OR BELOW THE BOTTOM<br>OF SHIELD IS ENCOUNTERED. SEE PARAGRAPH 1926.652 (e)(2)(i).<br>THE COMPETENT PERSON SHALL MAKE THE DETERMINATION FOR<br>COMPLIANCE. SUDDEN SHIFTING OF THE SHIELD VERTICALLY<br>SHALL BE AVOIDED.<br>3. CONSULT MANUFACTURER WHEN RESTRICTION ON NOTE 2 IS<br>NOT MET<br>4. ADDITIONAL SHIELDS MAY BE STACKED WITH NO PENALTY IN<br>DEPTH OF CUT AS LONG AS THE RATING OF THE BOTTOM SHIELD<br>IS NOT EXCEEDED.<br>5. DEPTHS OF CUTS SHOWN ARE BASED ON EXAMPLES OF VARIOUS<br>SOIL CONDITIONS. VERIFY ACTUAL SOIL PRESSURES PRIOR TO<br>EACH USE.<br>6. ANY MODIFICATIONS OR ALTERATIONS NOT<br>ALLOWED UNLESS APPROVED IN WRITING BY<br>EFFICIENCY PRODUCTION, INC.<br>7. CONTRACTOR'S COMPETENT/QUALIFIED PERSON SHALL BE<br>RESPONSIBLE FOR MONITORING SOIL CONDITIONS.<br>CONTINUED ON REVERSE SIDE |                  |  | <b>DESCRIPTION</b><br>Clay, silty clay, sandy<br>clay, clay loam,<br>unconfined compressive<br>strength of 1.5 tons per<br>square foot or greater.<br>(see note 8 on reverse<br>side)  | <b>DESCRIPTION</b><br>Clay with unconfined<br>compressive strength<br>greater than .5 TSF but<br>less than 1.5 TSF,<br>cohesionless gravel, silt,<br>silt loam or sandy loam.<br>(see note 9 on reverse<br>side) | <b>DESCRIPTION</b><br>Clay with unconfined<br>compressive strength<br>less than .5 TSF<br>submerged sand, clay or<br>fractured rock that is not<br>stable. (see note 10 on<br>reverse side) |
|  |                  |  | <p>LAYBACK<br/>AND<br/>SLOPE<br/>AT A MINIMUM<br/>OF .75 TO 1<br/>FOR A-SOILS,<br/>1 TO 1 FOR B-<br/>SOILS, OR 1.5 TO<br/>1 FOR C-SOILS</p> <p><b>A-SOILS</b><br/>(.75 TO 1 SLOPE)</p> <p><b>B-SOILS</b><br/>(1 TO 1 SLOPE)</p> <p><b>C-SOILS</b><br/>(1.5 TO 1 SLOPE)</p> <p>NOTE 2</p> |  |   |



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ONE OR MORE OF THE FOLLOWING CANADIAN PATENT NUMBERS: 1,062,683-1,052,684

USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE  
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structural failure resulting in death or serious injury.