

DKC 40-22


 555 HULL ROAD, MASON, IN 46044
 PHONE (317) 576-6000

 EFFICIENCY
 TRENCH SHIELDS

MODEL

XLD-1016

SERIAL NUMBER

132694

 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)

D

SOIL TYPE TO BE EXCAVATED

HEIGHT
(FEET)LENGTH
(FEET)
 MAXIMUM LATERAL
 EARTH PRESSURE
 CAPACITY AT TRENCH
 BOTTOM IN POUNDS
 PER SQUARE FOOT

 TYPE B
 MEDIUM COHESIVE TO
 GRANULAR SOIL 45 PSF
 PER FOOT OF DEPTH.

 TYPE C-80
 SOFT COHESIVE TO
 SUBMERGED SOIL 80 PSF
 PER FOOT OF DEPTH.

 TYPE C-80
 SOFT COHESIVE TO
 SUBMERGED SOIL 80 PSF
 PER FOOT OF DEPTH.

10

16

1320

29

22

17

LIMITATIONS IN USE OF TABLE

1. TRENCH SHIELD TO BE ASSEMBLED AND INSTALLED AS SHOWN AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. EXCAVATION 2 FEET BELOW BOTTOM OF SHIELD IS PERMITTED WHEN NO LOSS OF SOIL FROM BEHIND OR BELOW THE BOTTOM OF SHIELD IS ENCOUNTERED. SEE PARAGRAPH (b)(2)(ii) OF THE COMPETENT PERSON SHALL MAKE THE DETERMINATION FOR COMPLIANCE. SUDDEN SHIFTING OF THE SHIELD VERTICALLY SHALL BE AVOIDED.
3. CONSULT MANUFACTURER WHEN RESTRICTION ON NOTE 2 IS NOT MET.
4. ADDITIONAL SHIELDS MAY BE STACKED WITH NO PENALTY IN DEPTH OF CUT AS LONG AS THE RATING OF THE BOTTOM SHIELD IS NOT EXCEEDED.
5. DEPTHS OF CUTS SHOWN ARE BASED ON EXAMPLES OF VARIOUS SOIL CONDITIONS. VERIFY ACTUAL SOIL PRESSURES PRIOR TO EACH USE.
6. ANY MODIFICATIONS OR ALTERATIONS NOT ALLOWED UNLESS APPROVED IN WRITING BY EFFICIENCY PRODUCTION, INC.
7. CONTRACTOR'S COMPETENT/QUALIFIED PERSON SHALL BE RESPONSIBLE FOR MONITORING SOIL CONDITIONS.
CONTINUED ON REVERSE SIDE

DESCRIPTION

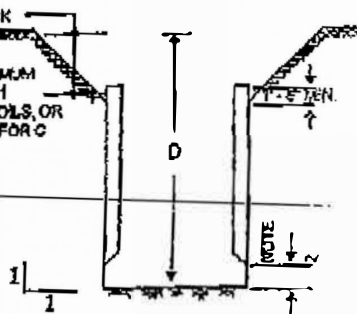
 Clay, with Unconfined
 Compressive Strength
 Greater than 4 TSF But
 Less than 1.5 TSF
 Cohesive Silty Gravel,
 Silty Clay Loam or Sandy
 Loam.

DESCRIPTION

 Soft Cohesive Soil
 Unconfined Compressive
 Strength Less than .5
 TSF Gravel, Sand and
 Loamy Sand; Submerged
 Soil or fractured Rock
 that is not stable.

DESCRIPTION

 Soft Cohesive Soil
 Unconfined Compressive
 Strength Less than .5
 TSF Gravel, Sand and
 Loamy Sand; Submerged
 Soil or fractured Rock
 that is not stable.

 LAYBACK
 AND
 SLOPE
 AT ANGLE
 OF 1 TO 1
 FOR B-SOILS, OR
 1.5 TO 1 FOR C
 SOILS

 B-SOILS
 (1 TO 1 SLOPE)

 C-SOILS
 (1.5 TO 1 SLOPE)

 CERTIFIED BY:
 EFFICIENCY PRODUCTION, INC.
 AUG. 30, 2005

 COPYRIGHT:
 1991 EFFICIENCY PRODUCTION, INC.
 ALL RIGHTS RESERVED

 MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENT NUMBERS:
 4,090,365-4,114,383-4,259,028
 ONE OR MORE OF THE FOLLOWING CANADIAN PATENT NUMBERS: 1,052,683-1,052,684

 USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE
 FEDERAL, STATE, OR LOCAL LAWS

 Any use of this product not specifically described on this certificate could cause cave-in, collapse, or
 structural failure resulting in death or serious injury.