

MODEL: XLD-1016
4-PIPE "I"
**MAX SPREADER
LENGTH**
20 FEET
KNIFE-EDGE
NO
FOAM FILLER
NO
COLLAR TYPE
**7" O.D. x 3/4" WALL
w/2 1/4" PIN HOLES**
**DATE OF
MANUFACTURE**
Oct-14
**LIFT-LUG
RATING**
5,832 LBS
**WEIGHT AS
MANUFACTURED**
9,200 LBS
REFERENCE TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AND REGULATIONS, 29 CFR, NO 209, PART 1926, SUBPART P
SHIELD SIZE
PSF RATING
**EXAMPLES OF MAXIMUM ALLOWABLE DEPTH OF CUT
(FEET) IN SOIL TYPE TO BE EXCAVATED**

HEIGHT (FEET)	LENGTH (FEET)	MAXIMUM LATERAL EARTH PRESSURE CAPACITY AT TRENCH BOTTOM IN POUNDS PER SQUARE FOOT	TYPE B-45 (II) MEDIUM COHESIVE TO GRANULAR SOIL 45 PSF PER FT OF DEPTH	TYPE C-60 (III) SOFT COHESIVE TO SATURATED SOIL, 60 PSF PER FT OF DEPTH	TYPE C-80 (IV) SOFT SUBMERGED AND FLOWING SOIL, 80 PSF PER FT OF DEPTH
10	16	1320	29	22	17

LIMITATIONS IN USE OF TABLE

1. TRENCH SHIELD TO BE ASSEMBLED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. (SEE PAGE-2)
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 1926.652 (e)(2)(i). THE COMPETENT PERSON SHALL MAKE THE DETERMINATION FOR COMPLIANCE. SUDDEN SHIFTING OF THE SHIELD VERTICALLY SHALL BE AVOIDED.
3. DEPTH RATING IS BASED ON TEMPORARY LOADING, CONSULT MANUFACTURER IF SHIELD IS SUBJECT TO LONG TERM LOADING
4. ADDITIONAL SHIELDS MAY BE STACKED WITH NO PENALTY IN DEPTH OF CUT AS LONG AS THE RATING OF THE EACH SHIELD IS NOT EXCEEDED AT THE DEPTH IT IS USED. MANUFACTURER APPROVED STACKING METHOD MUST BE USED.
5. C-80 DOES NOT REPRESENT THE WORST POSSIBLE SOIL CONDITION. OBTAIN SITE-SPECIFIC ENGINEERING FOR EXTREMELY NON-STABLE CONDITIONS SUCH AS MARINE CLAY, PEAT, SOFT SUBMERGED AND FLOWING CLAYS, ETC.
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 AND SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS.
8. SPREADER PINS SHALL BE 8820 COLD DRAWN 80-90 KSI MIN. YIELD AND NO MORE THAN 1/4" SMALLER THAN COLLAR AND SPREADER PIN HOLES AS MANUFACTURED BY EFFICIENCY PRODUCTION, INC.
9. LIFT LUG RATING IS (THE SAFE WORKING LOAD) FOR EACH INDIVIDUAL LIFT LUG.
10. WEIGHT LISTED IS FOR SHIELD ONLY. USE ASSEMBLED WEIGHT INCLUDING SPREADERS FOR RIGGING PURPOSES

DESCRIPTION

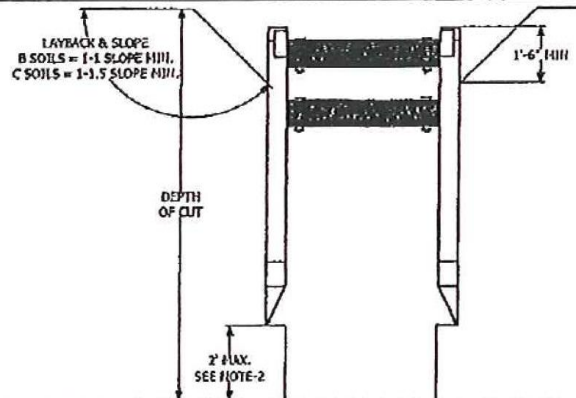
CLAY, WITH UNCONFINED
COMPRESSIVE STRENGTH
GREATER THAN 0.5 TSF
BUT LESS THAN 1.5 TSF
COHESIONLESS GRAVEL,
SILT, SILT LOAM OR SANDY
LOAM

DESCRIPTION

SOFT COHESIVE SOIL
UNCONFINED
COMPRESSIVE STRENGTH
GREATER THAN 0.3 TSF,
BUT LESS THAN 0.5 TSF
CLAY, SAND AND LOAMY
SAND; SATURATED SOIL
THAT IS STABLE, DRY SAND,
OR DEWATERED SOILS

DESCRIPTION

SOFT COHESIVE SOIL
UNCONFINED
COMPRESSIVE STRENGTH
LESS THAN 0.3 TSF,
FRACTURED ROCK THAT
IS NOT STABLE, OR
SUBMERGED SAND AND
LOAMY SAND THAT IS
FLOWING. (SEE NOTE 5)



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: 1,052,683-1,062,684

CERTIFIED BY:
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CONTINUED ON REVERSE SIDE

10/31/2014
WARNING: Any use of this product not specifically described on this certificate could cause cave-in, collapse, or structural failure, and may result in injury, or death