

**3M**  
**Greenville, SC 29605**  
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CSO # E401040020  
3M PO# USMMMN761

Material Information  
Material Name: Pelletized crumb rubber  
Bulk Density: approx. 40 PCF  
Particle Size: individual rubber pieces, approx. 3/8" to 1/4", typically agglomerate to softball size chunks.

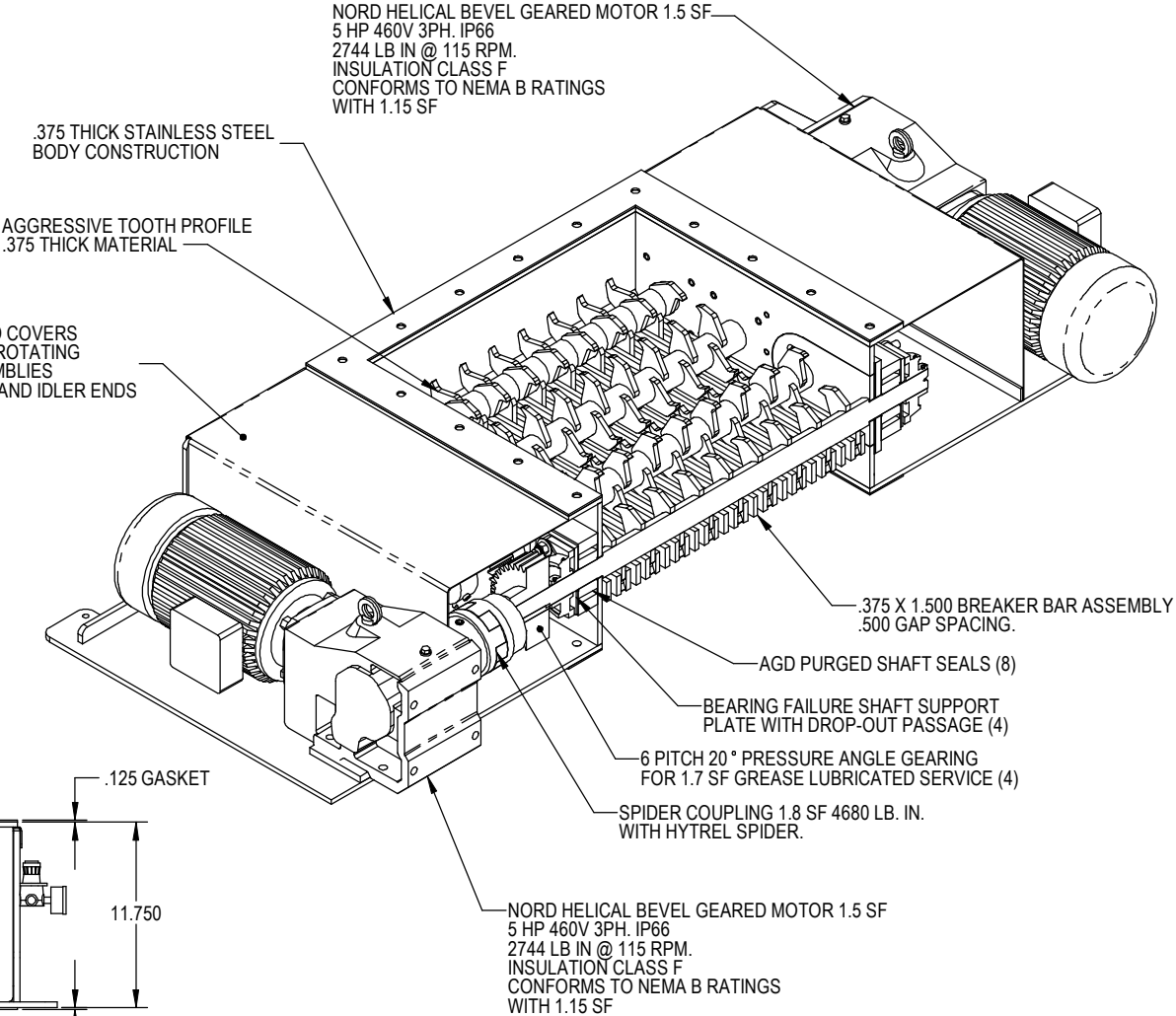
Flowability: material is not sticky and breaks up easily once it reaches the crumbler

**EQUIPMENT DESCRIPTION**  
The 24" x 24" (opening) square material crumbler breaks lumps down to approx. 1/4" (or less) particle size. Rotating shafts with aggressive tooth style agitators are used to break lumps down between the stationary breaker bars. The crumbler is driven by two 5hp 460v/3ph/60Hz TEFC gear-motor to obtain a final rotational speed of approx. 130 rpm. The agitator shafts include air purged shaft seals and flange mounted bearings. It is constructed of 304-2b stainless steel.

The customer will supply the required flange bolt pattern of the existing hopper.  
Controls are also by the customer.

**UTILITIES REQUIREMENTS**  
480 VAC, 3PH, 60 Hz Electrical Service  
60 psi Compressed Air (set regulators at 5 psi)

LET.	REVISION	NAME	DATE
A	APPROVAL RELEASE	MJH	07/20/10
B	X	X	XX/XX/XX
C	X	X	XX/XX/XX
D	X	X	XX/XX/XX
E	X	X	XX/XX/XX
F	X	X	XX/XX/XX



NORD HELICAL BEVEL GEARED MOTOR 1.5 SF  
5 HP 460V 3PH. IP66  
2744 LB IN @ 115 RPM.  
INSULATION CLASS F  
CONFORMS TO NEMA B RATINGS  
WITH 1.15 SF

.375 THICK STAINLESS STEEL  
BODY CONSTRUCTION

AGGRESSIVE TOOTH PROFILE  
.375 THICK MATERIAL

GUARD COVERS  
OVER ROTATING  
ASSEMBLIES  
DRIVE AND IDLER ENDS

.375 X 1.500 BREAKER BAR ASSEMBLY  
.500 GAP SPACING.

AGD PURGED SHAFT SEALS (8)

BEARING FAILURE SHAFT SUPPORT  
PLATE WITH DROP-OUT PASSAGE (4)

6 PITCH 20 ° PRESSURE ANGLE GEARING  
FOR 1.7 SF GREASE LUBRICATED SERVICE (4)

SPIDER COUPLING 1.8 SF 4680 LB. IN.  
WITH HYTREL SPIDER.

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AUTHORIZED BY

DATE

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SCALE:	1:6	DRAWN BY:	MJH	DATE:	7/19/2010
MODEL CREATOR:	MJH	07/15/10	WEIGHT	1300.59 LBS	
ASSY CRUMBLER 24 X 24 304SS					X
56-CR					Rev.
TOLERANCE UNLESS OTHERWISE SPECIFIED + .03 ON BEND AND SHEAR LINES + .03 ON HOLE LOCATIONS			1 OF 1 Sheet1		DRAWING NUMBER A46857