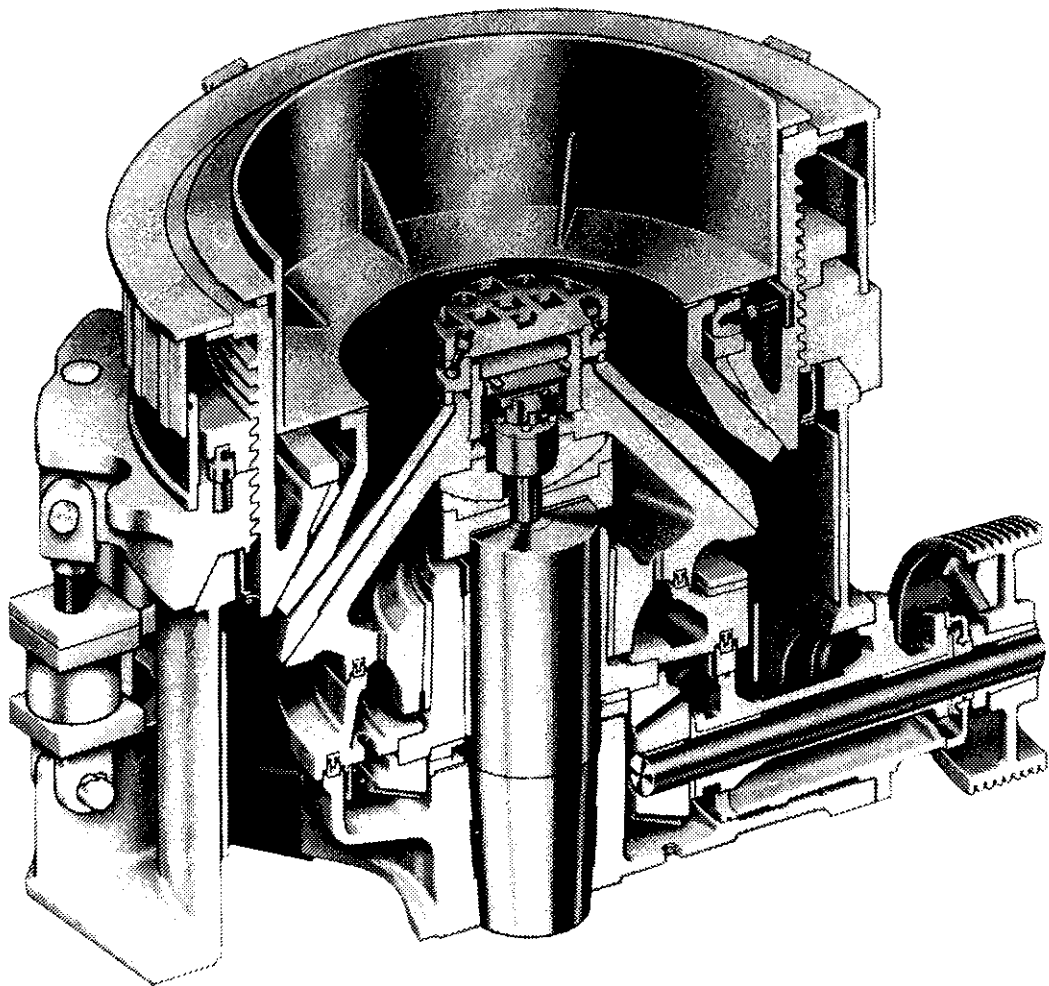


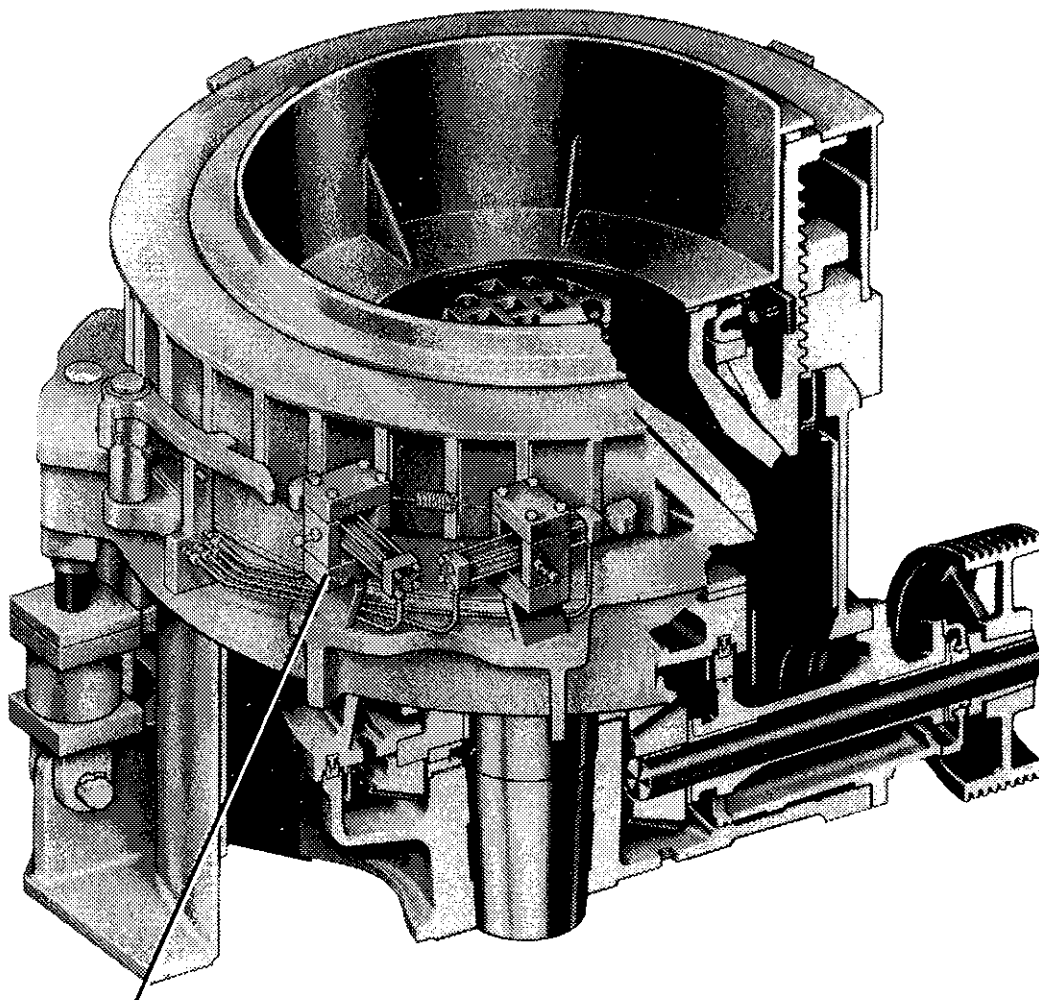
Nordberg |||

**Nordberg
Omnicone
crushers**



7-1 OMNICONE CRUSHERS

EASY TO OPERATE, ADJUST AND MAINTAIN



Hydraulic Control Setting

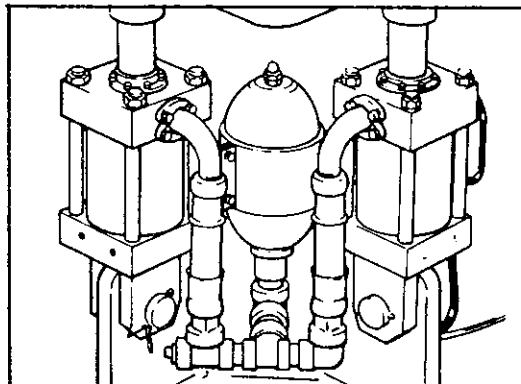
Omnicone Crushers are equipped with a fingertip hydraulic control that adjusts the crusher setting, for optimum performance, while the crusher is operating under load.

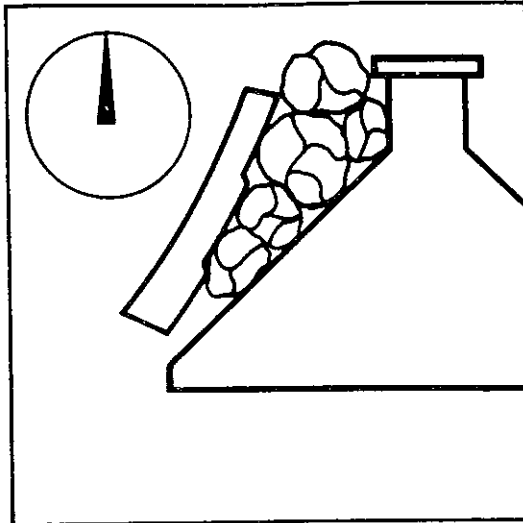


All operator controls are conveniently mounted on a remote control console to eliminate the need for an operator to approach the crusher during operation.

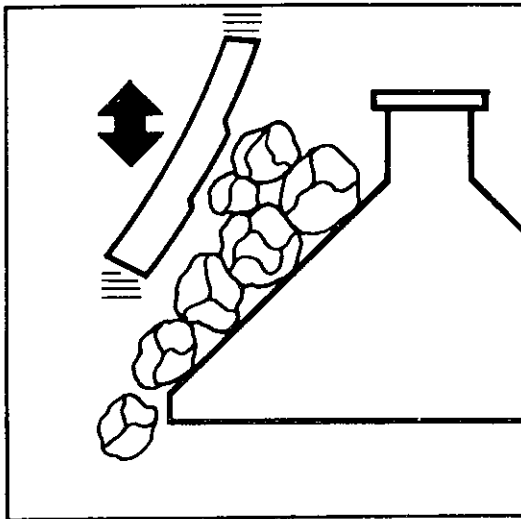
Hydraulic Release & Clearing

Each Omnicone features a hydraulic system that provides a safe and fast way to clear a jammed cavity. Should the crusher become plugged, the operator merely pushes levers on the remote control console to clear the crusher.

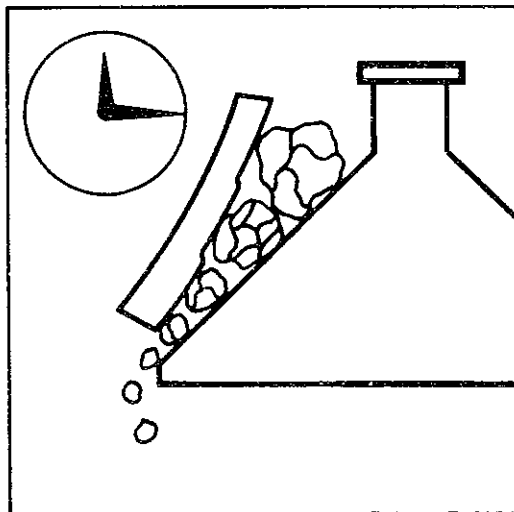




The release cylinders are double acting. They supply the clamping force to hold the adjustment ring securely to the frame and also act as clearing jacks by raising the adjustment ring bowl and hopper.



Once the clearing stroke has been reached the crusher can be jogged, if needed, so that material clogging the cavity falls out.



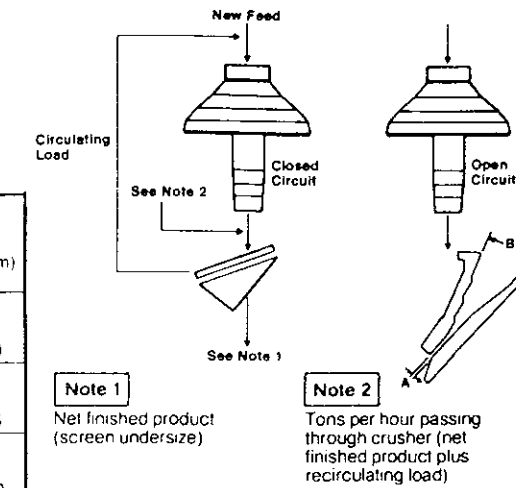
When the cavity has been cleared, the operator simply pulls back on the release control levers to return the crusher back to the original setting. Omnicone crushers can be cleared and back in operation within 15 minutes.

Standard Omnicone crushers.

Cavities • Feed openings • Product sizes • Capacities

OPEN CIRCUIT
capacities in tons (2000 lb.) per hour passing through the crusher at indicated discharge setting "A".

MODEL	TYPE OF CAVITY	RECOMMENDED MINIMUM DISCHARGE SETTING A	FEED OPENING WITH MIN. RECOMMENDED DISCHARGE SETTING A		3/8" (10mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)	7/8" (22mm)	1" (25mm)	1 1/4" (31mm)	1 1/2" (38mm)	2" (51mm)
			B CLOSED SIDE	B OPEN SIDE									
1144	Fine	3/8" (10mm)	3 3/4" (95mm)	4 1/2" (114mm)	60	90	105	120	130	135	150	210	290
	Medium	1/2" (13mm)	5 1/4" (133mm)	6" (152mm)		100	110	130	145	165	190	245	
	Coarse	3/4" (19mm)	6 3/4" (171mm)	7 1/2" (191mm)									
1352	Fine	1/2" (13mm)	4 1/2" (114mm)	5 1/2" (140mm)		120	140	160	170	180	200	280	385
	Medium	3/4" (19mm)	6 3/4" (162mm)	7 1/2" (191mm)			145	175	190	220	250	325	
	Coarse	1" (25mm)	8 3/4" (219mm)	9 1/2" (241mm)						240	275		
1560	Fine	3/8" (16mm)	7 3/4" (200mm)	9" (229mm)			170	200	230	255	290		
	Medium	1/2" (19mm)	9" (229mm)	10" (254mm)				220	250	280	320		
	Coarse	3/4" (22mm)	10" (254mm)	11" (279mm)					275	310	350	400	460



CLOSED CIRCUIT
capacities in tons (2000 lb.) per hour based on closed circuit operation.

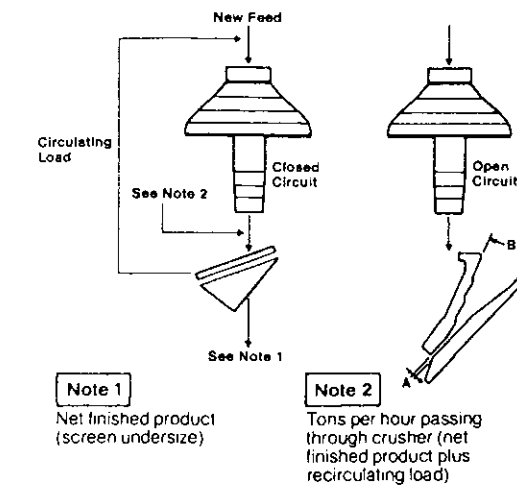
MODEL	TYPE OF CAVITY	RECOMMENDED MINIMUM DISCHARGE SETTING A	FEED OPENING WITH MIN. RECOMMENDED DISCHARGE SETTING A		EFFECTIVE SQUARE OPENING ON CLOSED CIRCUIT SCREEN																					
			B CLOSED SIDE	B OPEN SIDE	RECOMMENDED CLOSED SIDE SETTINGS FOR CLOSED CIRCUIT OPERATION																					
					3/8" (10mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)	7/8" (22mm)	1" (25mm)	1 1/4" (31mm)	1 1/2" (38mm)	2" (50mm)	1" (25mm)		1 1/4" (32mm)		1 1/2" (38mm)								
			Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2						
1144	Fine	3/8" (10mm)	3 3/4" (95mm)	4 1/2" (114mm)	50	90	70	100	80	115	95	140	110	145	130	165	155	185								
	Medium	1/2" (13mm)	5 1/4" (133mm)	6" (152mm)			80	110	90	130	100	150	115	155	145	175	160	195	175	190	210					
	Coarse	3/4" (19mm)	6 3/4" (171mm)	7 1/2" (191mm)							105	160	125	160	145	185	165	205	175	190	220					
1352	Fine	1/2" (13mm)	4 1/2" (114mm)	5 1/2" (140mm)			95	135	105	155	125	185	145	190	175	220	205	250	235	250	235	280				
	Medium	3/4" (19mm)	6 3/4" (162mm)	7 1/2" (191mm)					120	175	135	200	155	205	190	235	215	260	215	260	235	280				
	Coarse	1" (25mm)	8 3/4" (219mm)	9 1/2" (241mm)											190	245	220	270	245	270	250	295				
1560	Fine	3/8" (16mm)	7 3/4" (200mm)	9" (229mm)					155	205	185	250	210	280	230	310	245	325	245	325						
	Medium	1/2" (19mm)	9" (229mm)	10" (254mm)							195	260	210	280	255	340	270	360	270	360						
	Coarse	3/4" (22mm)	10" (254mm)	11" (279mm)											240	320	260	350	285	380	315	420				

Short Head Omnicone crushers.

Cavities • Feed openings • Product sizes • Capacities

OPEN CIRCUIT
capacities in tons (2000 lb.) per hour passing through the crusher at indicated discharge setting "A".

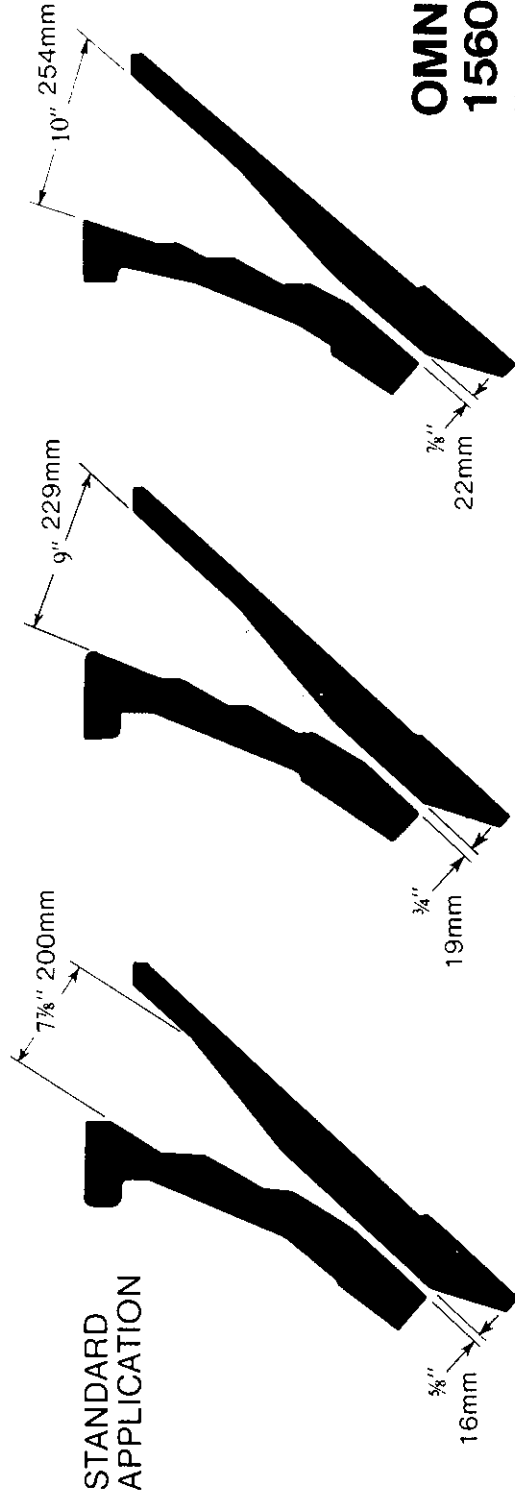
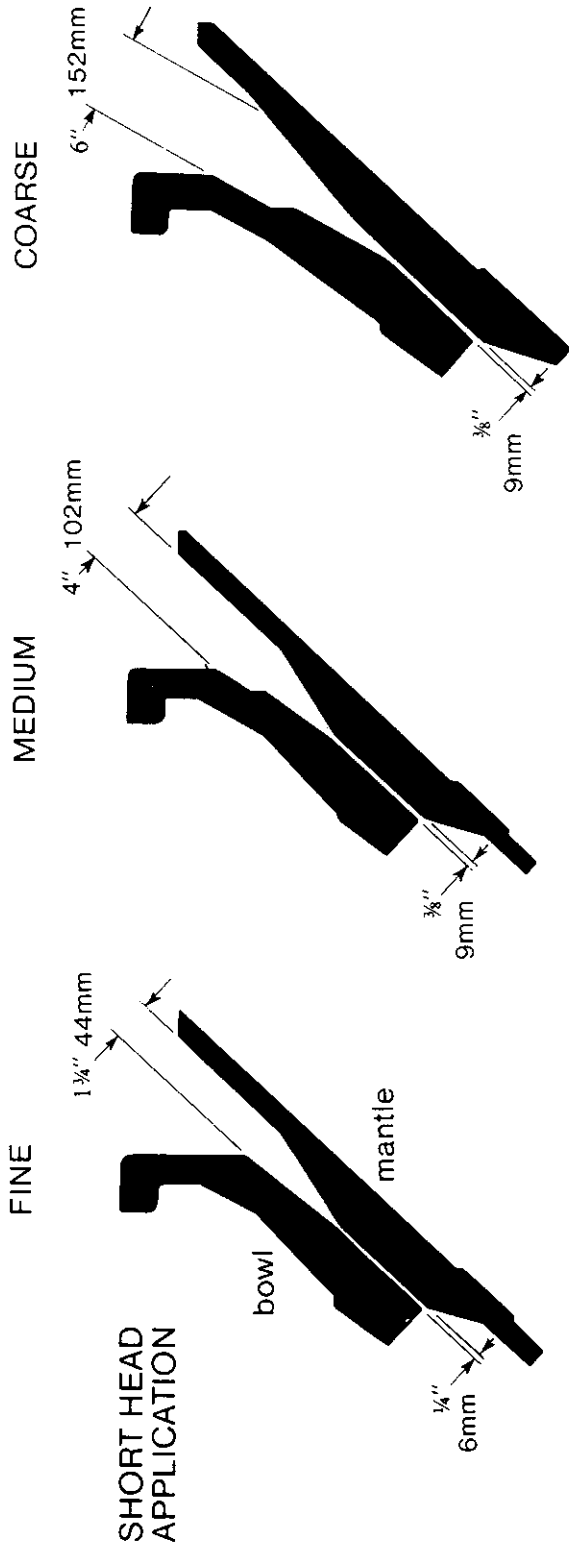
MODEL	TYPE OF CAVITY	RECOMMENDED MINIMUM DISCHARGE SETTING A	FEED OPENING WITH MIN. RECOMMENDED DISCHARGE SETTING A		3/16" (5mm)	1/4" (6mm)	5/16" (10mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)
			B CLOSED SIDE	B OPEN SIDE						
1144	Fine	3/16" (5mm)	1 1/4" (32mm)	2" (51mm)	50	70	85	115	135	
	Medium	1/4" (6mm)	1 7/8" (48mm)	3" (76mm)		70	85	115	135	
	Coarse	5/16" (10mm)	2 3/8" (60mm)	3 1/2" (89mm)			90	130	150	165
1352	Fine	3/16" (5mm)	1" (25mm)	2 1/2" (64mm)	65	90	115	150	180	
	Medium	1/4" (6mm)	2 3/16" (59mm)	3 1/2" (89mm)		90	115	150	180	
	Coarse	5/16" (10mm)	3 3/16" (84mm)	4 1/2" (114mm)			120	175	200	220
1560	Fine	1/4" (6mm)	2 1/2" (64mm)	4" (102mm)		145	170	200	230	
	Medium	5/16" (9mm)	4" (102mm)	5 1/2" (140mm)			175	210	250	290
	Coarse	3/8" (9mm)	6" (152mm)	7 1/2" (184mm)			180	220	260	310



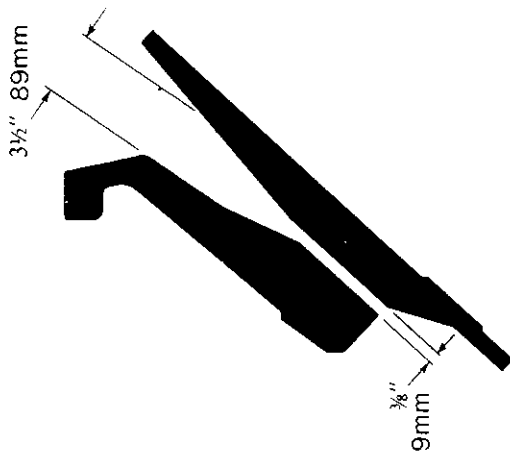
CLOSED CIRCUIT
capacities in tons (2000 lb.) per hour based on closed circuit operation.

MODEL	TYPE OF CAVITY	RECOMMENDED MINIMUM DISCHARGE SETTING A	FEED OPENING WITH MIN. RECOMMENDED DISCHARGE SETTING A		EFFECTIVE SQUARE OPENING ON CLOSED CIRCUIT SCREEN																				
			B CLOSED SIDE	B OPEN SIDE	RECOMMENDED CLOSED SIDE SETTINGS FOR CLOSED CIRCUIT OPERATION																				
					3/16" (5mm)	1/4" (6mm)	5/16" (10mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)	1" (25mm)	5/8" (16mm)		3/4" (19mm)											
			Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2							
1144	Fine	3/16" (5mm)	1 1/4" (32mm)	2" (51mm)	25	55	40	60	55	85	75	100	95	130											
	Medium	1/4" (6mm)	1 7/8" (48mm)	3" (76mm)					60	90	80	105	95	130											
	Coarse	5/16" (10mm)	2 3/8" (60mm)	3 1/2" (89mm)							85	115	105	150	130	190	150	195							
1352	Fine	3/16" (5mm)	1" (25mm)	2 1/2" (64mm)	35	70	55	80	75	110	100	130	125	170											
	Medium	1/4" (6mm)	2 3/16" (59mm)	3 1/2" (89mm)					80	120	105	140	125	170											
	Coarse	5/16" (10mm)	3 3/16" (84mm)	4 1/2" (114mm)							110	150	140	200	175	250	200	260							
1560	Fine	1/4" (6mm)	2 1/2" (64mm)	4" (102mm)					125	170	140	190	175	235	195	260									
	Medium	5/16" (9mm)	4" (102mm)	5 1/2" (140mm)							140	190	175	235	200	270	230	310							
	Coarse	3/8" (9mm)	6" (152mm)	7 1/2" (184mm)							155	205	185	250	240	320	260	350							

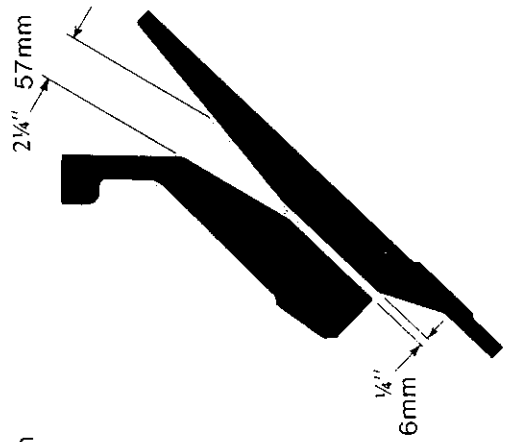
**OMNICON
1560
liner selection**



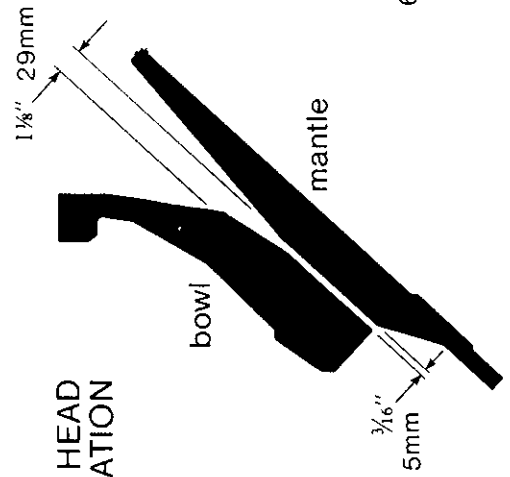
COARSE



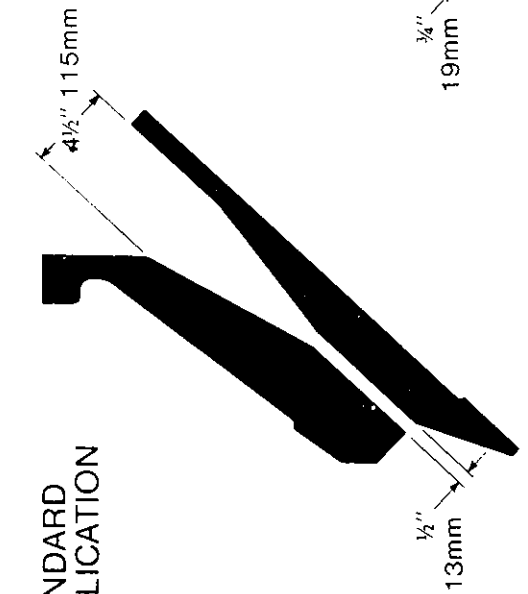
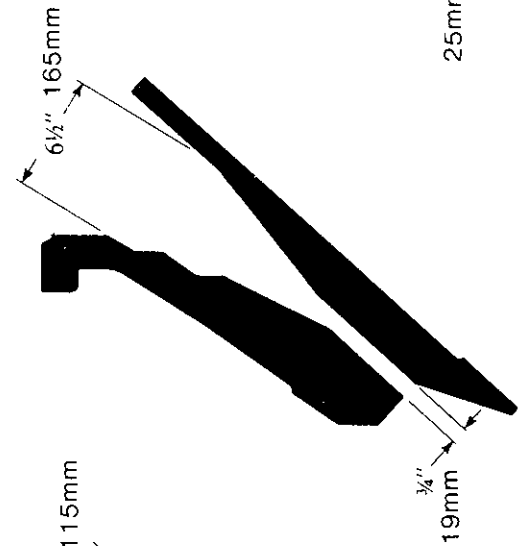
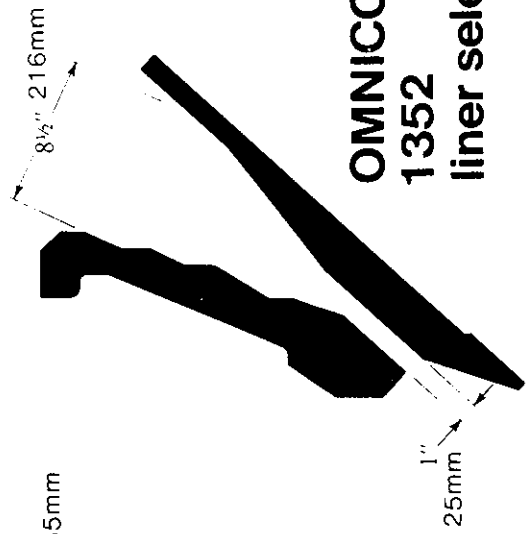
MEDIUM



FINE



SHORT HEAD APPLICATION



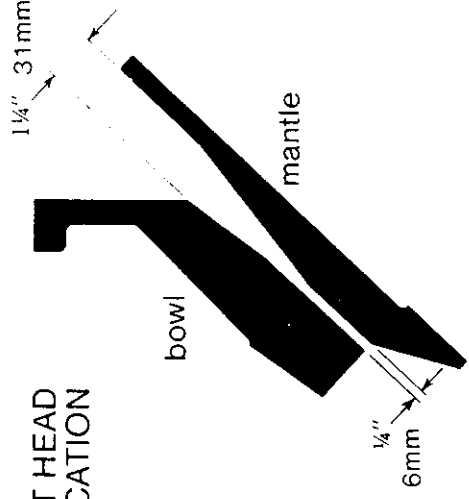
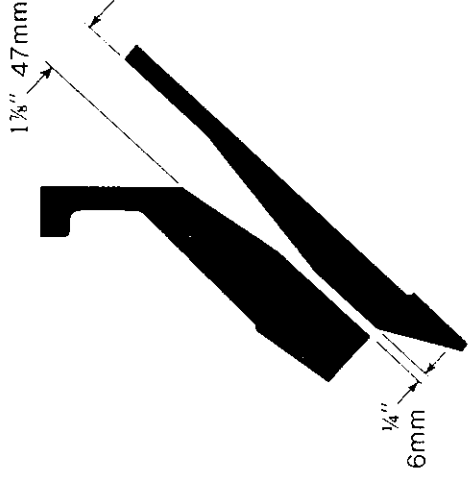
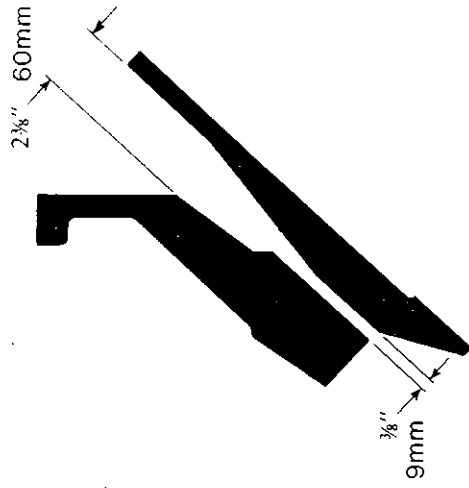
STANDARD APPLICATION

OMNICONER
1352
liner selection

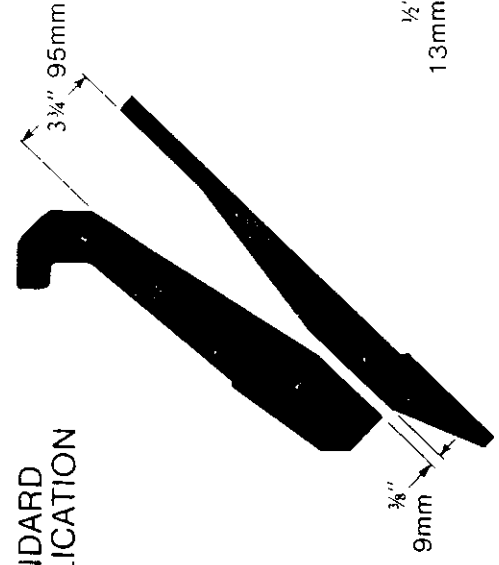
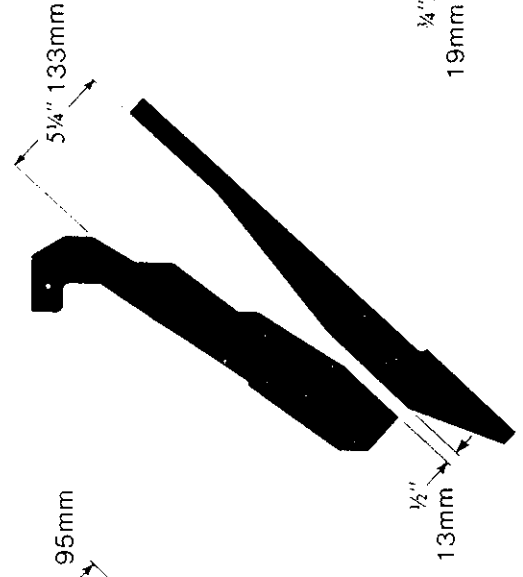
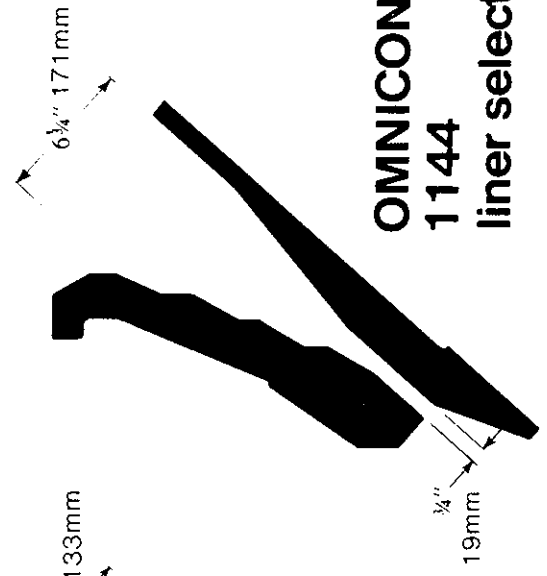
COARSE

MEDIUM

FINE



SHORT HEAD APPLICATION



STANDARD APPLICATION

**OMNICON
1144
liner selection**

WEIGHTS

Model 1144		Model 1352		Model 1560	
Kg.	Lbs.	Kg.	Lbs.	Kg.	Lbs.
Crusher Complete					
14,330	31,530	22,600	49,720	29,350	64,570
Main Frame, Adjustment Ring, Tramp Release, Eccentric, Socket, Countershaft and Crusher Sheave					
8,295	18,250	14,080	30,980	16,900	37,180
Main Frame, Adjustment Ring and Tramp Release					
7,045	15,500	11,535	25,380	13,780	30,320
Main Frame, Including Mainshaft and Main Frame Liner					
3,070	6,750	5,110	11,240	8,050	17,710
Bowl, Bowl Liner and Hopper					
3,635	8,000	5,560	12,230	7,820	17,200
Head, Mantle and Locking Nut and Collar					
2,180	4,800	2,690	5,920	4,330	9,530
Countershaft and Crusher Sheave					
400	880	730	1,610	900	1,980
Eccentric					
700	1,540	1,640	3,610	1,970	4,330
Socket					
150	330	175	385	250	550
Mantle					
525	1,160	810	1,780	1,340	2,950
Bowl Liner					
865	1,900	1,220	2,680	1,870	4,110
Feed Platform					
220	480	270	590	300	660

Since various assembly combinations are available in each crusher size, and because of manufacturing variations, the weights shown above are approximate.

All weights can vary $\pm 5\%$.

CLEARNACE DIMENSIONS

Model No.		1144		1352		1560	
		mm	In.	mm	In.	mm	In.
A	Main Frame Flange	910	2'-11 ⁷ / ₈ "	1,060	3'-5 ³ / ₄ "	1,225	4'- ¹ / ₄ "
B	Main Frame Flange	910	2'-11 ⁷ / ₈ "	1,060	3'-5 ³ / ₄ "	1,215	3'-11 ⁷ / ₈ "
C	Main Frame Flange	910	2'-11 ⁷ / ₈ "	1,060	3'-5 ³ / ₄ "	1,225	4'- ¹ / ₄ "
D	Main Frame Hub Diameter	450	1'-5 ³ / ₄ "	500	1'-7 ³ / ₄ "	580	1'-10 ⁷ / ₈ "
E	To Bottom of Main Frame Hub	60	0'-2 ³ / ₈ "	160	0'-6 ³ / ₈ "	140	0'-5 ¹ / ₂ "
F	To Bottom of Oil Piping	195	0'-7 ³ / ₄ "	315	1'- ¹ / ₂ "	300	0'-11 ⁷ / ₈ "
G	To Top of Dust Collar (Hydraulic)	1,445	4'-8 ⁷ / ₈ "	1,575	5'-2"	1,795	5'-10 ³ / ₄ "
H	Adjustment Ring Maximum Diameter	2,340	7'-8 ¹ / ₈ "	2,580	8'-5 ⁵ / ₈ "	2,900	9'-6 ¹ / ₄ "
J	Clearance Required for Removing Countershaft Assembly	1,900	6'-2 ⁷ / ₈ "	2,500	8'-2 ¹ / ₂ "	3,045	9'-11 ⁷ / ₈ "
K	To End of Countershaft	1,290	4'-2 ⁷ / ₈ "	1,525	5'- ¹ / ₈ "	1,640	5'-4 ⁵ / ₈ "
L	Maximum Height to Top of Feed Hopper	1,790	5'-10 ¹ / ₂ "	1,960	6'-5 ¹ / ₄ "	2,200	7'-2 ⁵ / ₈ "
M	Inside Diameter of Feed Hopper	1,146	3'-9 ¹ / ₈ "	1,384	4'-6 ¹ / ₂ "	1,586	5'-2 ¹ / ₂ "
N	To Top of Feed Plate	1,290	4'-2 ⁷ / ₈ "	1,420	4'-8"	1,710	5'-7 ³ / ₈ "
O	To Top of Feed Platform	1,940	6'-4 ³ / ₈ "	2,140	7'- ¹ / ₄ "	2,425	7'-11 ¹ / ₂ "
P	Overall Height of Bowl Assembly (Lg. Std. Liner Protrudes Below Bowl)	990	3'-3"	1,035	3'-4 ³ / ₄ "	1,060	3'-5 ³ / ₄ "
Q	Adjustment Cap Maximum Diameter (Hydraulic)	1,990	6'-6 ³ / ₈ "	2,180	7'-1 ⁷ / ₈ "	2,376	7'-9 ¹ / ₂ "
R	Clearance Required for Removing Bowl Assembly	2,485	8'-1 ⁷ / ₈ "	2,660	8'-8 ³ / ₄ "	2,905	9'-6 ³ / ₈ "
S	Overall Height of Head Assembly	830	2'-8 ³ / ₄ "	915	3'- ¹ / ₈ "	1,225	4'- ¹ / ₄ "
T	Head or Mantle Maximum Diameter	1,150	3'-9 ¹ / ₄ "	1,345	4'-5"	1,560	5'-1 ¹ / ₂ "
U	Clearance Required for Removing Head Assembly	2,330	7'-7 ³ / ₄ "	2,540	8'-4"	3,070	10'- ⁷ / ₈ "
V	Tramp Release Across Corners	2,150	7'- ⁵ / ₈ "	2,570	8'-5 ¹ / ₄ "	2,900	9'-6 ¹ / ₄ "
W	Additional Upward Travel Due to Clearing Stroke	76	0'-3"	83	0'-3 ¹ / ₄ "	120	0'-4 ³ / ₄ "
X	Mounting Holes	660	2'-2"	832	2'-8 ³ / ₄ "	883	2'-10 ³ / ₄ "

