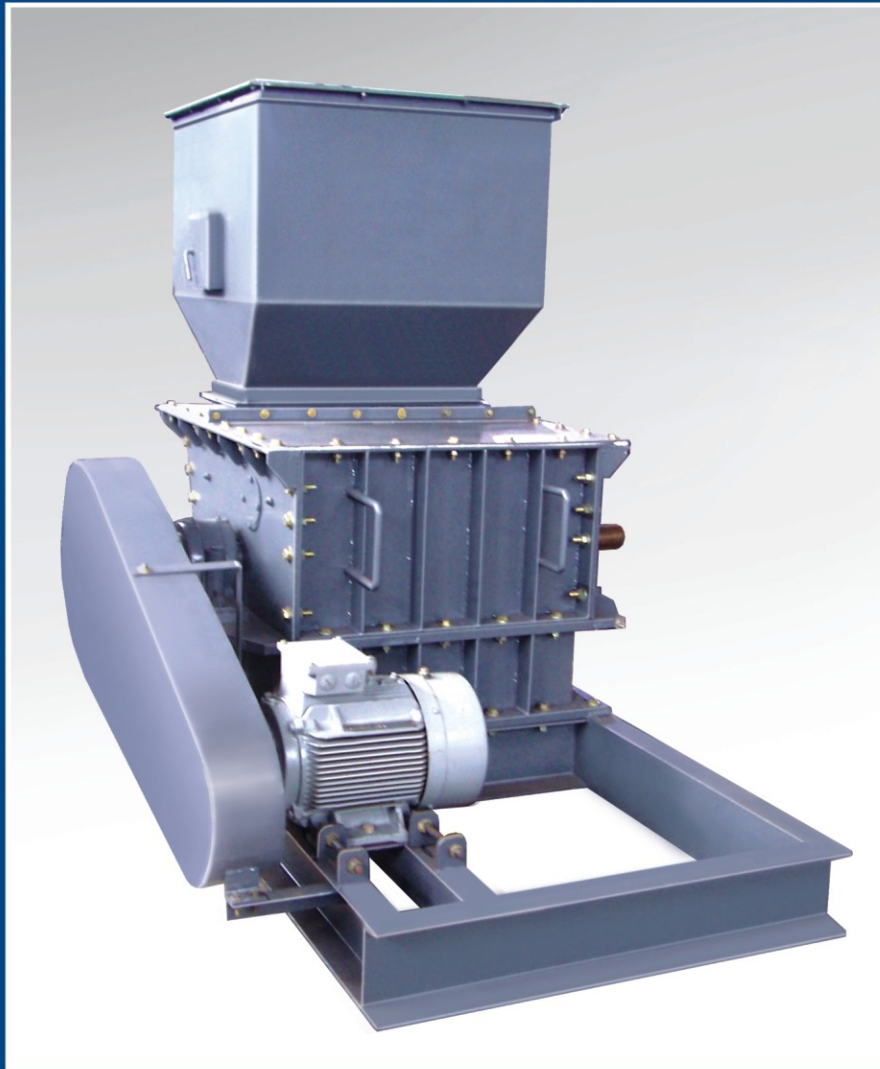


KNITTLE HAMMER CRUSHER (SINGLE ROTOR)



■ GENEROUS DESIGN ■ QUALITY INPUTS ■ EXCELLENT WORKMANSHIP ■ SYSTEM RELIABILITY

Salient Features :

- Low cost
- Compact & sturdy design
- Relatively dust free operation
- Low power input
- Easy to maintain
- Operational economy of unprecedented nature
- Vibration free working.

KNITTLE HAMMER CRUSHER (SINGLE ROTOR)

Brief :

Operation - Crusher consists of a heavy steel housing, with manganese steel breaker plate and sizing grates, against which a specially designed rotor cracks and crushes coal and other lump materials. Two balanced gangs of "triangular sectors" on the rotor are held in crushing position by centrifugal force. Sectors are free to recoil under impact with foreign material, thus protecting crusher from strain and injury. The two gangs of sectors permit access of larger lumps and result in decreased fanning action and larger capacity than is possible with the usual construction of four or more gangs.

Reduces Run-of-Mine Coal in One Operation - Triangular sectors split the big lumps and then crush the fragments against the breaker plate and sizing grates.

Reduces Coal to Stoker Sizes - Standard crushers can be furnished with sizing grates to produce stoker coal of uniform size from 40mm. to 6mm. (to 2.5mm. with some materials). Size of product can often be changed by substituting grates to pass a different size product.

Will Crush Practically Any Material - These crushers can be furnished to reduce some of the most difficult materials, such as; coal, peat, glass, lime, steel turnings, salt, coke, garbage and gravel.

Triangular Crusher Sectors - The special shape of these rings presents a comparatively sharp shoulder to the lumps and results in a primary splitting or cracking, with less pulverizing action.

Construction Features :

Body : MS fabricated in two halves, heavily ribbed for sturdiness.

Rotor : MS fabricated, lined with hard facing electrodes, statically balanced for vibration, free operation and enough fly wheel effect.

Knittle hammer : Carbon steel, lined with hard facing electrodes.

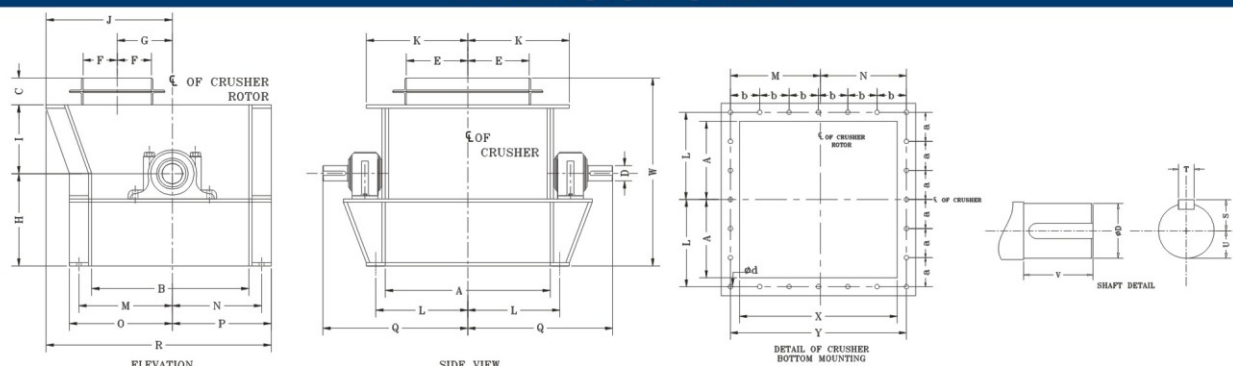
Shaft : EN 8

Bearing : Self aligning spherical roller bearing of adequate rating to take designed axial and radial load.

Data required for selecting size of crusher :

- 1 Material to be crushed
- 2 Bulk density of material (kg./m³)
- 3 Moisture content (%)
- 4 Hardness of material (moh's scale)
- 5 Input size of material (mm.)
- 6 Out put (crushed) size of material (mm.)

DIMENSION SHEET



Model No.	Outlet Opening			Inlet Opening		G	H	I	J	K	L	M	
	A	B	C	D	E								F
18 x 18	604	590	100	57	225	125	202	344	256	462	372	337	342
24 x 18	686	750	100	75	285	125	320	400	350	585	432	377	426
24 x 24	836	750	100	75	393	125	320	400	350	585	507	452	426
30 x 24	832	985	100	80	360	175	422	522	450	737	507	472	546
30 x 30	928	840	100	95	450	305	305	460	406	737	507	483	502
30 x 36	928	990	100	95	450	305	305	460	406	737	609	559	502

Model No.	N	O	P	Q	R	S	T	U	V	W	X	Y	a	b	d
18 x 18	327	377	362	531	824	32.3	16	28.5	90	700	599	669	112	112	17.5
24 x 18	426	464	464	715	1049	32.3	16	28.5	160	850	750	852	142	114	17.5
24 x 24	426	464	464	788	1049	32.3	16	28.5	160	850	750	852	142	139	17.5
30 x 24	546	584	584	788	1320	45.5	22	40	160	1072	985	1092	182	139	17.5
30 x 30	502	540	540	788	1320	54	25	47.5	165	1072	966	1004	161	167	17.5
30 x 36	502	540	540	860	1320	54	25	47.5	165	1072	1118	1004	186	167	17.5

Note : ■ Due to continuous improvement in design above dimensions are subject to change without prior notice.
 ■ Dimension sheet for specific size of crusher should be asked for reference.



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