

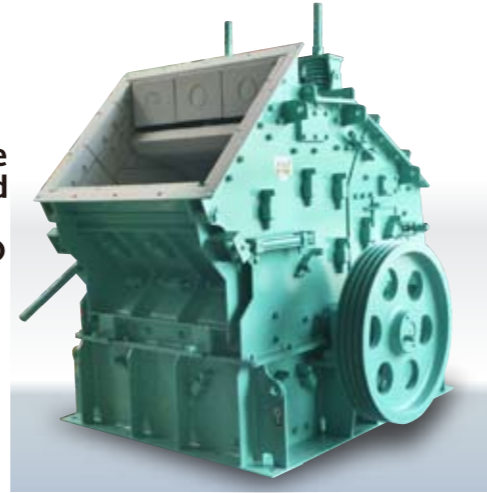
# Impact Crushers

## NCF/NCD Impact Crushers

- 3-stage repulsion plates for high crushing performance
- Cast-chrome boltless-hammers; 4 surfaces can be utilized to maximize cost efficiency
- Interchangeable hammer and major liners for all NCF/NCD models
- Hydraulic casing opener for easy maintenance
- Abrasion-resistant materials for longer service life

NCF/NCD types are heavy-duty, horizontal-shaft impact crushers designed for secondary and tertiary rock crushing operations.

NCF/NCD types have been designed for asphalt/concrete recycling as well as rock crushing applications. Both feature 3-stage repulsion plates and a wide-open swing casing for easy access to the inner parts.

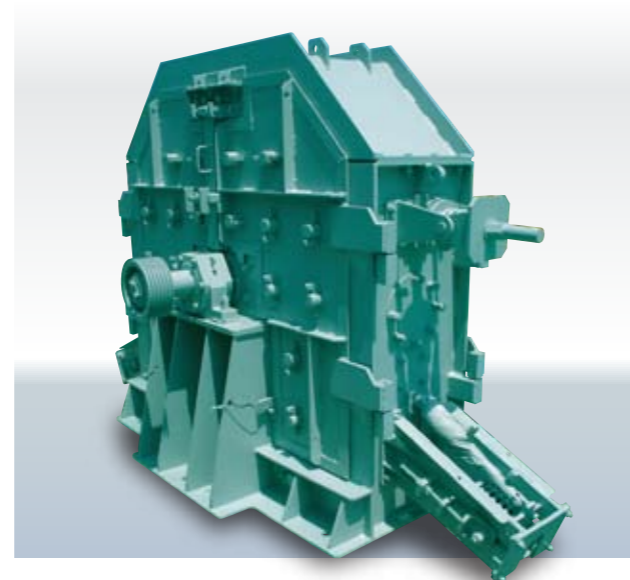


Model	Max. Feed Size (mm)	Rotor Size (Dia×Width) (mm)	Capacity (TPH)	Rotor Speed m/sec (RPM)	Motor Power (kW)
NCF1A	100/150	1000× 700	20~ 40~ 60	20~30 (380~575)	22~ 55
NCF1B	100/150	1000×1050	30~ 60~ 90	20~30 (380~575)	37~ 75
NCF2B	100/150	1250×1050	50~100~150	20~30 (305~460)	55~132
NCF2C	100/150	1250×1400	70~130~190	20~30 (305~460)	75~150
NCF3C	100/150	1600×1400	100~180~260	20~30 (240~360)	132~200
NCF3D	100/150	1600×2100	140~250~360	20~30 (240~360)	150~250
NCD1A	200×400×400	1000× 700	30~120	20~30 (380~575)	37~ 55
NCD1B	300×500×500	1000×1050	50~200	20~30 (380~575)	55~ 90
NCD2B	300×500×500	1250×1050	80~250	20~30 (305~460)	75~132

## HS11A High-speed Impact Crusher

- High speed rotor up to 60m/sec for production of fine particles from small feed material
- Reversible rotation cuts the downtime for hammer replacement to a half.
- Full-open inspection door gives easy access for service and maintenance of inner parts.

This high-speed impact crusher with compact design and easily accessible inner parts is best suited for oversize crushing, pre-crushing before manufactured sand plant in small to medium size applications. Hammers, repulsion plates and liners are made of selected abrasion-resistant materials for longer service life for its speed.



Model	Rotor Size (Dia×Width) (mm)	Capacity (TPH)	Motor Power (kW)	Rotor Speed (m/sec)	Drive	Weight (t)
HS11A	1000×430	30~40	75	30~60	5V×6	4.5

# VSI Crushers

## SR Gyropactor

### Reversible Vertical-Shaft Impact Crusher (VSI)

- Greater reduction ratio
- Parts replacement interval doubled by reversible rotor
- Anvils vertically adjustable
- Easy parts replacement
- Abrasion-resistant rotor
- Two types are available;  
Type D = Rock-on-rock crushing  
Type A = Rock-on-metal crushing



The one-stage VSI features an open-shoe rotor with abrasion-resistant rock guides to accelerate the rock speed for larger crushing effect.

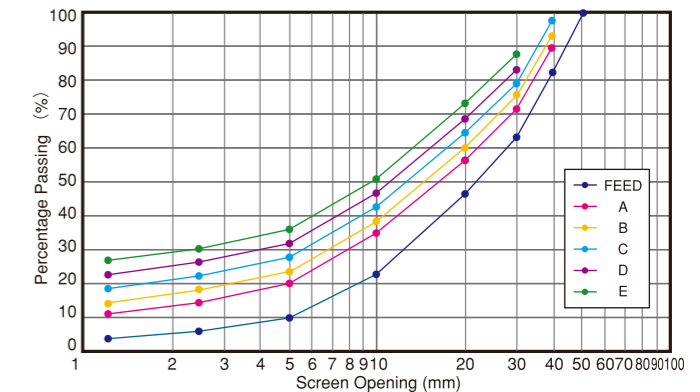
It uses a series of anvils to provide positive crushing for sand manufacturing with a greater reduction ratio when compared to similar equipment. Reversible rotor design saves time and money by doubling anvil replacement interval.

#### ■ CAPACITY-MOTOR TABLE ( Based on Type D. Rock-on-rock crushing )

MODEL	ROTOR SPEED	MOTOR POWER (KW)															
		45	55	75	90	110	132	150	190	220	250	300	350	400			
SR 50C	40m/s	50	60	80													
	45m/s	40	50	65													
	50m/s	35	40	60	70	85											
SR 80C	40m/s	70	100	120	140												
	45m/s			100	120	140	160										
	50m/s				100	120	135	170									
SR 100C	40m/s					180	215	245	310								
	45m/s					145	175	200	250	290							
	50m/s					135	150	190	220	250							
SR 120C	40m/s							255	325	375	425						
	45m/s								260	300	340	410	470	540			
	50m/s									245	280	335	390	445			

Note: 1) Capacity in red figures requires slip-ring motor.  
2) Optional rotor top plate is available for faster speed range between 50-60m/sec.  
3) Motor shall be VERTICAL type.  
4) Capacity is based on the continuous feed of andesite having a specific gravity of 2.6.  
5) The capacity varies depending on the material - size, hardness, toughness and moisture content and the feeding method.

#### ■ GUIDANCE CURVES



GUIDANCE CURVE vs SPEED & ROCK HARDNESS

ROTOR SPEED ( m/sec )	35	45	55
FRIABLE (100MPa or less)	C	D	E
MEDIUM (100~160MPa)	B	C	D
HARD (160MPa or more)	A	B	C

#### ■ SPECIFICATIONS

Model	Crushing Type	Rotor Size (Φ×H) (mm)	Max. Feed Size (mm)	Weight (t)
SR50C (D)	Rock-on-rock	Φ760×175	65	4.0
SR50C (A)	Rock-on-metal	Φ760×175	35	4.5
SR80C (D)	Rock-on-rock	Φ760×245	65	9.5
SR80C (A)	Rock-on-metal	Φ760×245	35	11.5
SR100C (D)	Rock-on-rock	Φ1000×300	75	10.0
SR100C (A)	Rock-on-metal	Φ1000×300	45	12.0
SR120C (D)	Rock-on-rock	Φ1200×340	85	12.0
SR120C (A)	Rock-on-metal	Φ1200×340	50	14.0

Note: Due to our policy of continuous development and improvement, specifications are subject to change without notice.