

MODEL NUMBER SYSTEM

EXAMPLE: DP X 12 -52

SP = Single Pair High
 DP = Double Pair High
 TP = Triple Pair High

X = Lower Horsepower
 HX = Higher Horsepower
 Diameter Roll Length



**X/HX 1200/1400/1600
 CRACKING
 MILL**

BASE MODEL	HP RANGE	"A" HEIGHT* INCHES (MM)	"B" WIDTH INCHES (MM)	"C" DEPTH INCHES (MM)	APPROX. WEIGHT LBS. (KG.)
SPX-1200-24	15-20 HP	46.00 (1168)	68.88 (1750)	85.00 (2159)	6850 (3114)
SPX-1200-30	20-25 HP	46.00 (1168)	74.88 (1902)	85.00 (2159)	7250 (3296)
SPX-1200-36	25-30 HP	46.00 (1168)	80.88 (2054)	85.00 (2159)	7650 (3477)
SPX-1200-42	30-40 HP	46.00 (1168)	86.50 (2197)	88.00 (2235)	8050 (3659)
SPX-1200-52	40-50 HP	46.00 (1168)	96.50 (2451)	88.00 (2235)	8700 (3955)
SPX-1200-72	50-60 HP	46.00 (1168)	116.50 (2959)	88.00 (2235)	10050 (4568)
SPHX-1400-72	60-75 HP	46.00 (1168)	117.88 (2994)	96.00 (2438)	9300 (4227)
SPHX-1600-52	50-60 HP	46.00 (1168)	97.63 (2480)	96.00 (2438)	8650 (3950)
SPHX-1600-84	60-75 HP	46.00 (1168)	129.63 (3293)	96.00 (2438)	11100 (5050)
DPX-1200-24	30-40 HP	70.00 (1778)	68.88 (1750)	85.00 (2159)	10700 (4864)
DPX-1200-30	40-50 HP	70.00 (1778)	74.88 (1902)	85.00 (2159)	11500 (5227)
DPX-1200-36	50-60 HP	70.00 (1778)	80.88 (2054)	85.00 (2159)	12300 (5591)
DPX-1200-42	60-75 HP	70.00 (1778)	86.50 (2197)	88.00 (2235)	13100 (5955)
DPX-1200-52	75-100 HP	70.00 (1778)	96.50 (2451)	88.00 (2235)	14400 (6546)
DPX-1200-72	100-125 HP	70.00 (1778)	116.50 (2959)	88.00 (2235)	17000 (7727)
DPHX-1400-72	125-150 HP	70.00 (1778)	117.88 (2994)	96.00 (2438)	21000 (9545)
DPHX-1600-52	100-125 HP	70.00 (1778)	97.63 (2480)	96.00 (2438)	19500 (8864)
DPHX-1600-84	125-150 HP	70.00 (1778)	129.63 (3293)	96.00 (2438)	25000 (11364)

* Maximum height based on feeder type



**ROSKAMP
 CHAMPION**
Your Partner in Productivity

Designed for the most demanding applications, the robust construction of the Roskamp Cracking Mills guarantees maximum performance around the clock.

Load-centering bearing supports and unique bearing slides assure accurate, consistent production. Roll corrugation and speed differential ratios are available to match any operating condition.

Easily adapted to full-automation, The Roskamp Cracking Mill delivers everything you expect from your machine.

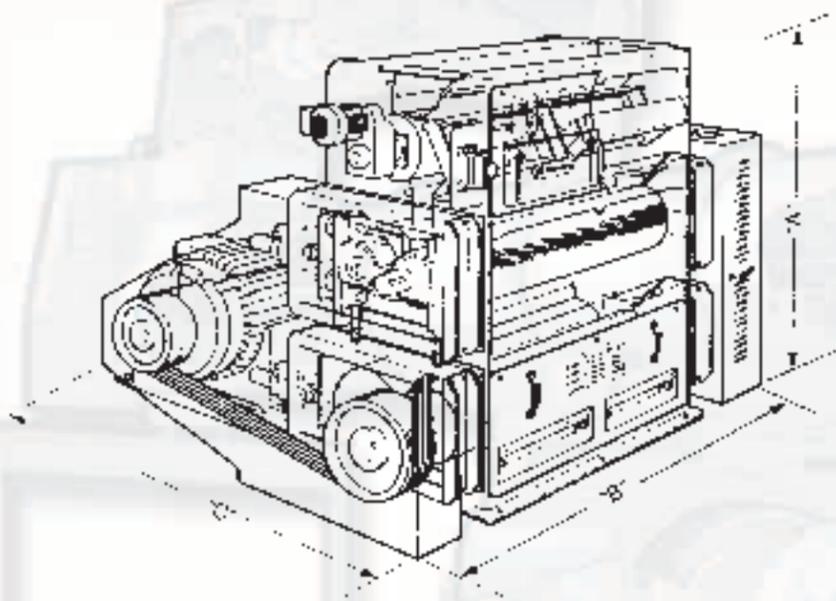


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Rolls & Shafts
Rolls are of the highest quality straight carbon clear chill cast iron. All rolls are cast, machined and ground to the best technical specifications. Depth of chill is a minimum of .625 inches (16mm). Allows custom corrugating for specific product configurations.

Large diameter shafts are high-tensile, high-yield alloy steel. Roll bodies and shafts are manufactured to assure concentricity.

Bearings

Roll shaft bearings are self-aligning spherical roller bearings. Tapered bearing bore with adapter sleeve provides positive locking fit with shaft to prevent shaft fretting. Roll recorruagation can be performed with bearings and housings assembled on the rolls. All bearing lube ports are easily accessible for maintenance.

Bearing Housings and Slide Block

Bearing housings and slide block assure positive roll tram (maintains rolls in same horizontal plane) for positive particle size control and assures best roll life.

Roll Adjustment

Roll adjustment is made by machine screw jacks. It provides accurate, repeatable gap adjustment and assures parallelism of rolls. Optional full feature design provides remote roll adjust with digital readout. Positive roll stop offers maximum protection against roll-to-roll contact.

Inter-Roll Drives

V-Belt inter-roll drives allow for quiet operation in all applications (up to 75 H.P. per pair). Belt tension can be adjusted without removing the guard. Heavy-duty idler arrangement keeps belts positively tensioned.

Main Drive and Motor Base

The main drive (motor to rolls) is 5V section V-Belt design. A separate motor base arrangement is designed to accept standard motor frames and is available for single and double motor applications.

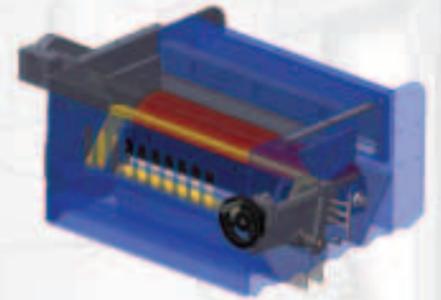


Roll Housing/Frame

Front and rear pressure members with interlocking tension members contain the roll separating forces. Machine jack screws and engineered belleville spring stacks allow for roll adjustment and protect the machine against foreign material. The robust design is a key element in the overall strength of the mill and provides the platform suited to any application.

Feeders

Hopper Agitator is standard on 24", 30" & 36" mills. Roll Feeder or Pocket Feeder is optional on 24", 30" & 36" mills and standard on larger mills. All feeders come with separate drives.



Model 1200/1400/1600 Cracking Mill Specifications

Hopper Agitator

Featuring a steeply angled housing for cleanliness, the hopper agitator provides even feeding via an independent drive. Feed rate is easily controlled by means of a feed gate with a hand wheel adjustment that utilizes a "quick-lock" mechanism for consistency and positive shut off.

Roll Feeder

A roll feeder with separate drive is combined with an adjustable feedgate for more precise feed rate control. An optional remote full feature feedgate adjustment with digital readout of feedgate position is available.

Pocket Feeder

A volumetric rotary pocket feeder with separate drive is available. This allows flow rate control and positive shutoff through the use of a variable frequency drive. The pocket feeder can easily be adapted to automated load control.

Controls

Prewired control panels for full feature machines simplify installation and operation. Panel includes roll or pocket feeder and roll position controls. Feeder motor starter is included. Prewired control panels do not include mill motor starters or push button operators.

Full Feature Feedgate and Roll Gap Control

Optional full feature units with quadrature ring sensors provide a digital readout of the feedgate and roll position. Feedgate and rolls can be remotely opened and closed with infinite adjustment. This option is highly recommended for customers producing a variety of finished products.

Magnet

Heavy-duty permanent magnets pick tramp iron from the product stream. Magnets swing out of the feeder housing for ease of cleaning.