



شرکت آراز سنگ شکن ش.ش. ۲۶۶۳۶۱
 ARAZ SANG SHEKAN CO.

HPGR

High Pressure Grinding Rolls

HPGRs are known as an emerging technology in the grinding process in the mineral industry. Compared to conventional grinding processes, HPGRs consume less energy, which reduces operational costs and environmental impacts. Also, HPGR crushing reduces the work index and ultimately reduces energy consumption in the downstream stages. Another advantage of this kind of grinding is to increase the degree of freedom. Also, HPGR is used at the end of the service line to increase blain to prepare Pelletizing feed



Model	Grading input	Grading Output	Blain Input	Blain Output	Capacity
120×100	0-15 (mm)	0-3 (mm)	800-1000 (cm^2/gr)	1100-1300 (cm^2/gr)	250 (ton/h)
160×120	0-50 (mm)	0-6 (mm)	800-1000 (cm^2/gr)	1100-1300 (cm^2/gr)	400 (ton/h)



ARAZ Sang Shekan Co. with Our specialist workforce for pressure roller crusher is in a position to consult and work with our customers to use HPGR in mineral processes.



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HPGR High Pressure Grinding Rolls



HPGRs of Araz Sang Shekan Company has the following benefits listed below :

- Reduced power consumption by up to 40% compared to other HPGRs.
- Short startup time.
- Intense Grinding due to smooth surface of rolls.
- Segmented rolls, which results in easy and fast surface roller replacement.
- Boost up Blain to 350 units.
- Domestic science and product

Model	Roller Diameter	Roller length	Motor Power	Motor Torque	Rollers Torque	Gear Box Ratio	Mass
120×100	1250 (mm)	1000 (mm)	500 (kW×2)	4808 (N.m)	91.3 (kN.m)	1:19	69 (ton)
160×120	1600 (mm)	1200 (mm)	800 (kW×2)	5093 (N.m)	381 (kN.m)	1:75	128 (ton)



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Our specialists have designed a HPGR that its prominent feature is in its rolls. Rolls are produced in multiply segments. Segments are tightened by thorns and screws. These segments lead to a quick changeover of the rolls in about 48 hours, which does not require duplication of rolls and bearings. Abrasion occurs only on the segments. When the segments become abrasive they can be replaced with short time and low cost.

