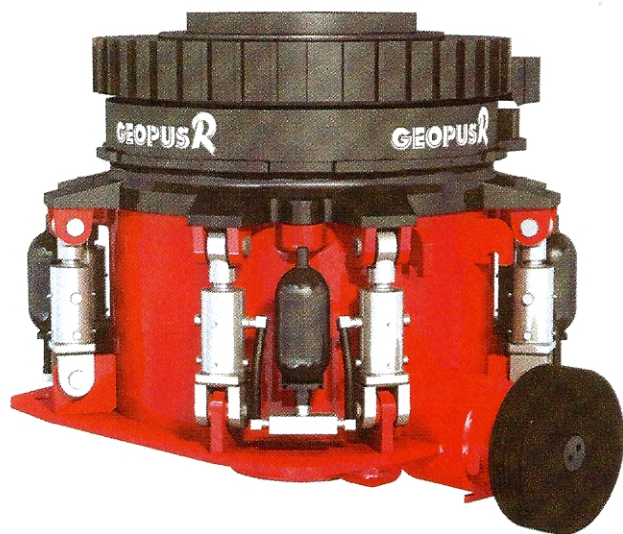


Cone Crusher GEOPUS R

Improvement of productivity and stabilization of quality are realized by improving the interparticle crushing.



Features

New type capability of interparticle crushing of charged material room is adopted (patent pending)

If the granularity of material changes, the stable capability of interparticle crushing is realized.

Capability of interparticle crushing mechanism with which bulk ratio is matched with compression ratio is adopted.

One-rank higher primary crushing product can be also processed highly efficiently.

Improvement of quality of produced crushed stone

Quality improvement and stable supply of No. 5 and No. 6 crushed stone (JIS standard aggregate size) are realized.

If the set changes due to abrasion of cutting plate, the tire profile and the grain shape constant performance are stable.

Specifications

M type +20mm return closed circuit

Model	Maximum charged cluster [mm]	Output of motor [kw]	Crushing capability t/h outlet gap (C.S.S.) [mm]									
			14	16	18	20	22	24	26	28	30	35
GPR-100M	100×140×200	90 ~ 110	100 ~ 120	115 ~ 145	130 ~ 165	145 ~ 180	160 ~ 200					
GPR-150M	115×160×230	120 ~ 150		135 ~ 165	160 ~ 190	180 ~ 212	195 ~ 235	215 ~ 255	240 ~ 270			
GPR-200M	130×180×260	150 ~ 200			190 ~ 220	215 ~ 250	235 ~ 270	260 ~ 295	280 ~ 320	300 ~ 345	320 ~ 370	
GPR-250M	150×210×300	220 ~ 260				215 ~ 240	255 ~ 300	290 ~ 350	325 ~ 380	350 ~ 405	380 ~ 435	420 ~ 470
GPR-350M	170×240×340	280 ~ 350					310 ~ 370	340 ~ 405	375 ~ 440	410 ~ 475	445 ~ 510	475 ~ 550

F type +20mm return closed circuit

Model	Maximum charged cluster [mm]	Output of motor [kw]	Crushing capability t/h outlet gap (C.S.S.) [mm]							
			10	12	14	16	18	20	22	24
GPR-100F	85×120×170	90 ~ 110	70 ~ 85	80 ~ 95	90 ~ 110	105 ~ 120	120 ~ 135			
GPR-150F	95×135×200	120 ~ 150		95 ~ 115	115 ~ 135	130 ~ 150	145 ~ 165	160 ~ 185		
GPR-200F	110×155×220	150 ~ 200			140 ~ 165	160 ~ 180	175 ~ 200	195 ~ 220	210 ~ 240	
GPR-250F	115×160×230	220 ~ 260				180 ~ 210	200 ~ 220	205 ~ 235	230 ~ 270	260 ~ 315
GPR-350F	120×160×240	280 ~ 350					240 ~ 265	260 ~ 280	280 ~ 335	305 ~ 365

C type / open circuit

Model	Maximum charged cluster [mm]	Output of motor [kw]	Crushing capability t/h outlet gap (C.S.S.) [mm]							
			20	22	24	26	28	30	35	40
GPR-100C	110×150×220	90 ~ 110	80 ~ 140	90 ~ 160	95 ~ 180	110 ~ 190	120 ~ 210	130 ~ 225		
GPR-150C	125×170×250	120 ~ 150	95 ~ 160	110 ~ 180	125 ~ 200	140 ~ 215	150 ~ 235	160 ~ 250		
GPR-200C	140×195×280	150 ~ 200		135 ~ 200	155 ~ 220	170 ~ 240	180 ~ 260	190 ~ 280	215 ~ 300	
GPR-250C	160×225×320	220 ~ 260			175 ~ 260	195 ~ 285	210 ~ 300	225 ~ 325	250 ~ 350	290 ~ 380
GPR-350C	180×250×360	280 ~ 350				225 ~ 330	245 ~ 355	265 ~ 380	320 ~ 430	370 ~ 450

S type / open circuit or closed circuit

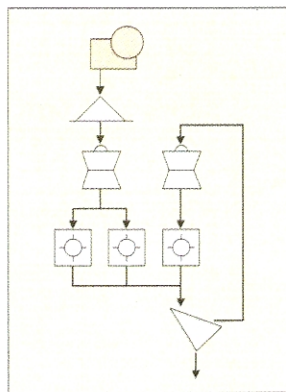
Model	Maximum charged cluster [mm]	Output of motor [kw]	Crushing capability t/h outlet gap (C.S.S.) [mm]						
			6	7	8	9	10	12	14
GPR-100S	30×45×60	90 ~ 110	36 ~ 54	42 ~ 60	48 ~ 67	54 ~ 74	60 ~ 81	72 ~ 92	82 ~ 106
GPR-150S	35×55×70	120 ~ 150		52 ~ 75	60 ~ 87	68 ~ 95	77 ~ 103	90 ~ 116	106 ~ 133
GPR-200S	40×60×75	150 ~ 200			75 ~ 107	85 ~ 117	94 ~ 125	110 ~ 140	130 ~ 160

The crushing capability in the table indicates the capability with tight sands of raw stone whose bulk density is approximately 1.6. The closed operation is carried out when the charge is sequential determination. The proper supply dimension is kept without containing mine smalls in the raw stone. The table shown above may vary depending on type, characteristic, and aspect of raw stone.

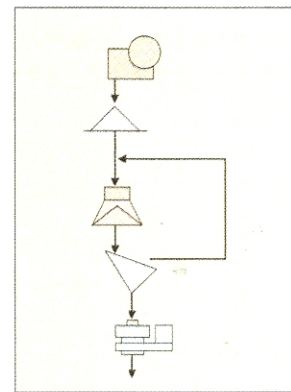
* If the outlet gap shown used, the supply dimension is restricted.

The original capability of interparticle crushing of charged material mechanism is highly evaluated. Furukawa (2004: bought out Ohtsuka Iron Works) cone crusher "GEOPUS" has been delivered to a lot of users.

The advanced type of GEOPUS for which capability of interparticle crushing of charged material mechanism is improved for enhancing the crushing capability furthermore is "GEOPUS R".



Existing flow



Flow of GEOPUS

Rich variation of crushing

There are nine patterns of variation because of shape of crushing room and throw. A proper combination is available according to the application.

Comparing with existing machine, the set under ratio is improved.

Extension of lifetime of liner

The bulk change ratio is maintained by changing the shape of line. The temporal generation of overload is also prevented, so the lifetime of liner is extended.

Expansion of width by lowering the gravity center of the machine

By lowering the gravity center of the machine and expanding the width of frame, the proportion that realizes the stable operation can be ensured.

Adoption of new dust seal

By adopting the new non-contact dust seal, the running cost can be reduced.