



长沙威尔保
VIBO

Special wear protection for crusher
bucket and dumping-truck body



长沙威尔保
VIBO

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The overall wear solution for impact crusher



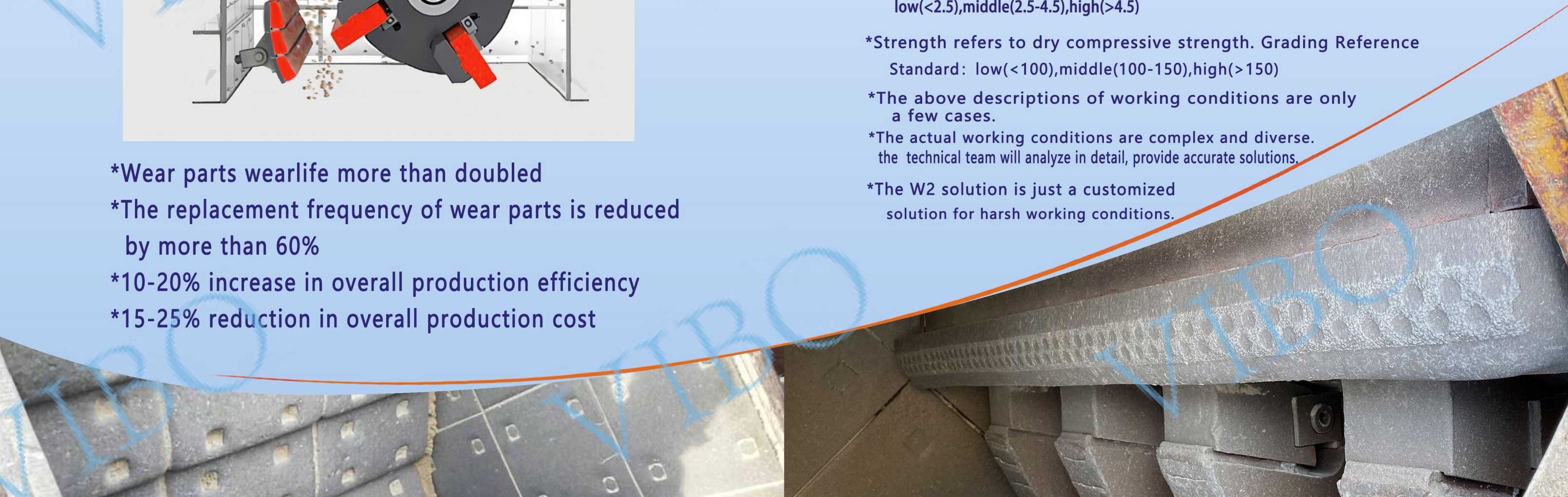
- *Wear parts wearlife more than doubled
- *The replacement frequency of wear parts is reduced by more than 60%
- *10-20% increase in overall production efficiency
- *15-25% reduction in overall production cost

Part of the plan details

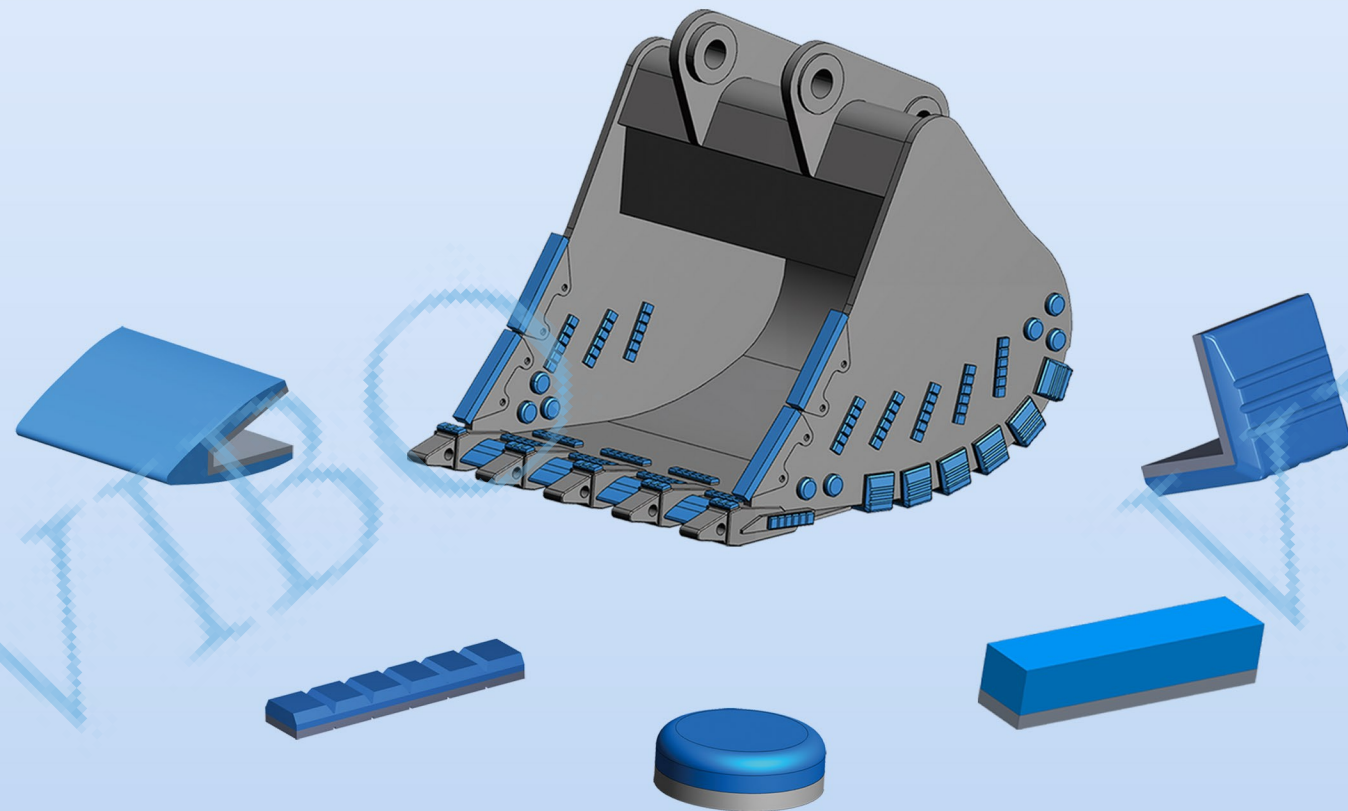
Program grade	Hardness grade	Strength grade	Feed MTL sizm(mm)	Contain unbreakable devices or not	Typical working conditions
M1	middle	middle	>400	Yes	Construction rubbish (including rebar)
M2	middle	middle	>400	NO	Natural stone, concrete blocks, etc.
V1	middle	high	<400	NO	High silica limestone/Silicalimestone
V2	high	middle	<200	NO	Lower strength hardrock, Such as facing granite containing sericite
W1	middle	high	<200	NO	Sedimentary rock(high strength limestone)marble rock etc.
W2	high	high	<200	NO	Quartz stone,granite, river pebbles, limegreenstone, basalt and other metal-containing stones, etc.

Explanation:

- *Hardness refers to Mohs hardness. Grading Reference Standard: low(<2.5),middle(2.5-4.5),high(>4.5)
- *Strength refers to dry compressive strength. Grading Reference Standard: low(<100),middle(100-150),high(>150)
- *The above descriptions of working conditions are only a few cases.
- *The actual working conditions are complex and diverse. the technical team will analyze in detail, provide accurate solutions.
- *The W2 solution is just a customized solution for harsh working conditions.



The overall wear solution for rock bucket.



- *Wear parts of various shapes, all-round protection.
- *Maintenance cycle can be extended by more than five times.

Chocky bar

Model	Length (mm)	Width (mm)	Thickness (mm)	Single weight (kgs)
CB25	240	25	23	0.90
CB40	240	40	23	1.50
CB50	240	50	23	1.90
CB65	240	65	23	2.50
CB90	240	90	23	3.50
CB100	240	100	23	3.90



Wear button

Model	External diameter (mm)	Dome (mm)	Thickness (mm)	Single weight (kgs)
W60	60	40	30	0.7
W75	75	55	30	1.0
W90	90	70	32	1.6
W115	115	95	32	2.6
W150	150	130	41	5.7



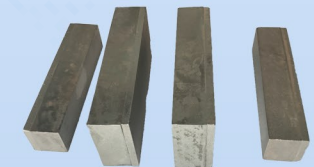
Lip care

Model	Length (mm)	Width (mm)	Thickness (mm)	Single weight (kgs)
LS60349	225	175	60	12
LS60342	112	175	60	6
LS50347	200	175	50	9.8
LS50341	100	175	50	4.9
LS40345	160	175	40	7.3



Wear block

Model	Length (mm)	Width (mm)	Thickness (mm)	Single weight (kgs)
VLB150	300	25	25	1.5
VLB300	300	38	33	3.0
VLB220	190	50	30	2.2
VLB290	150	50	50	2.9
VLB370	190	50	50	3.7
VLB410	210	50	50	4.1
VLB850	432	50	50	8.5
VLB1180	600	50	50	11.8
VLB450	230	50	50	4.5



Shroud heel

Model	Length (mm)	Width (mm)	Altitude (mm)	Single weight (kgs)
HP100	101	150	120	6.3
HP113	130	200	135	10.4
HP116	160	250	150	16.5
HP117	175	205	120	13.6
HP118	180	195	135	18.5
HP119	190	275	165	22.0
HP190	190	200	110	15.0
HP250	190	250	100	25.0
HP300	250	300	150	45.0



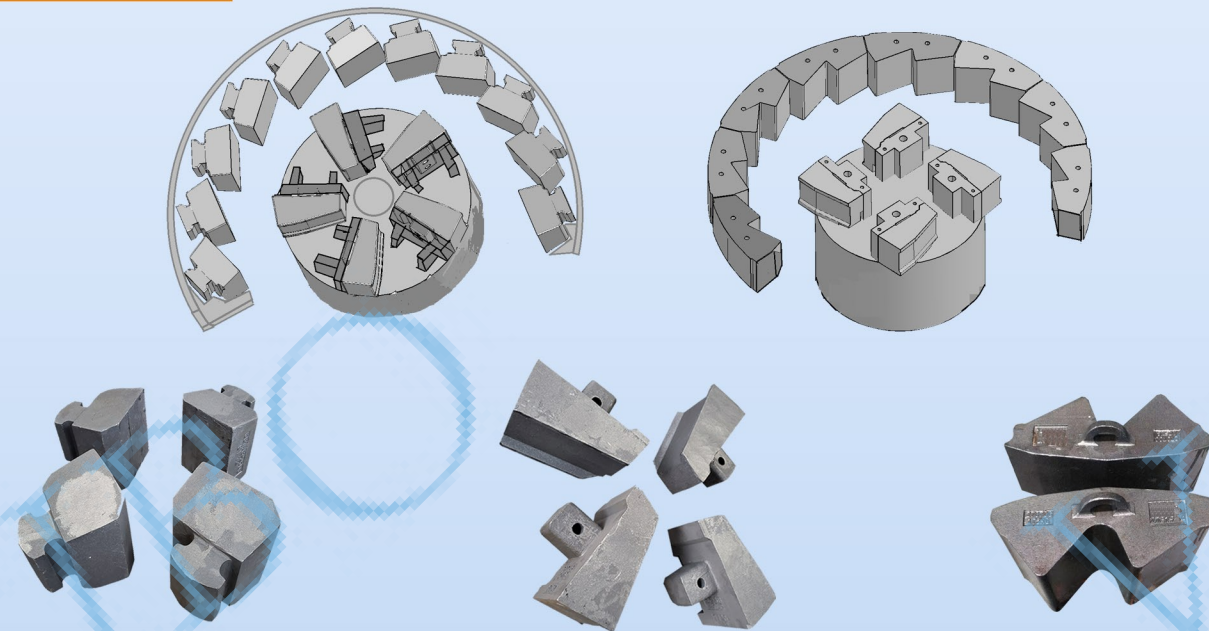
Customized series of special-shaped parts

According to customer needs, on-site mapping and customization

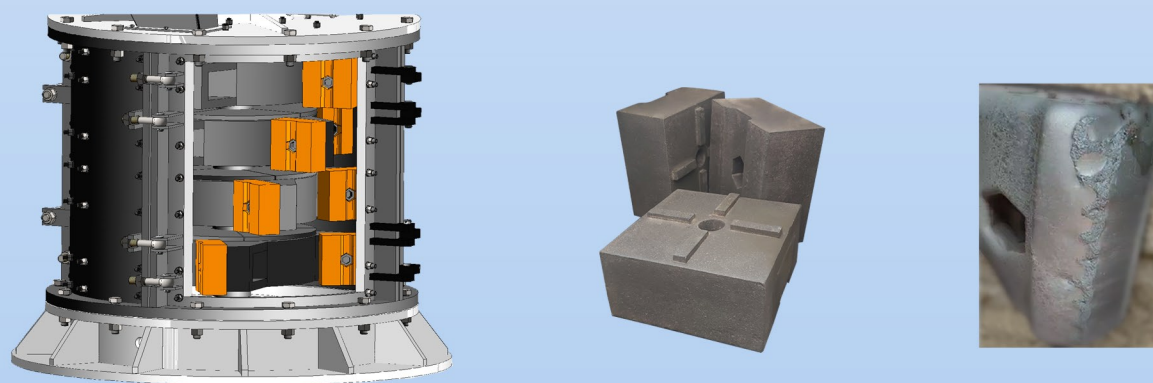


The overall wear solution for vertical shaft impact crushers.(VSI)

Open VSI



Closed VSI



Appropriate solution, users can rest assured

User area: Aba Prefecture,Sichuan	Ordinary material shoe	VIBO compound shoe
Working condition: river pebble	The working time of a set of shoe is less than 36 hours, often the shoe is worn through	The working time of a set of shoe is 60 hours, very even wear, no wear through
First installation time: March 2021		
   Common material impact hammer Changsha Weilbao Composite Counterblow Hammer		
User area: Liuzhou, Guangxi	Ordinary material square hammer	VIBO compound square hammer
Working condition: Quartz stone	The working time of a set of square hammer is less than 24 hours, the user must change the hammer or face every day	The working time of a set of square hammer is 50 hours, 20% increase in overall production efficiency
First installation time: September 2019		
   Ordinary material square hammer Changsha VIBO compound square hammer		

Appropriate solution, users can rest assured

Case sharing: Overall improvement of gravel line.

User area: Wuzhong,Ningxia	User troubles
Working condition: Sandstone, secondary crushing	*120-130 hours working time on one side of the blow bar, severely uneven wear
Crusher model: Longyang1315	*Frequent replacement of impact plates and side liners
First installation time: September 2019	*Production efficiency has not been able to improve
Before improvement  After improvement  Improve proposals: 1) Adjust feed and return devices 2) Customized blow bar ,impact plates and side liners according to the w2 scheme	
User satisfaction: *The uneven wear phenomenon is completely solved * Wearlife on one side is extended from 120 hours to 260 hours * Twice less frequent replacement of impact plates and side liners	

Appropriate solution, users can rest assured

Case sharing: Rock Bucket Repair

User area: Dongguan,Guangdong	User troubles
Working condition: Granite excavation	*The bucket must be overhauled in two days for minor repairs and seven days for major repairs, repair costs far exceeded budget.
Excavator model: Liugong952	*Severely worn areas are repaired daily.
First installation time: July 2020	*Tried a variety of wear-resistant materials without significant improvement.
Before repair: The entire bucket is worn out *One adapter has fallen off, and the others are coming soon *All guards on the lip are worn out *The bottom plate of the bucket is almost worn through Picture1: Repair solution * Adopt chocky bar * Design protective blocks with different wear-resistant specifications according to the severity of wear * Using advanced welding equipment to ensure high-quality welding *Picture2: Use 13 days after repair Most of the protected area wears less than 3mm.	
User satisfaction: *Major repairs period extended from 7 days to 55 *Minor repairs period extended 2 days to 15	



Specil conditions Exclusive customized solution



Double gradient hardness hammer



Shredded scrap metal
Challenging the extreme wear of steel
crushing steel
Hardness >HRC54
The wearlife is twice that of ordinary
manganese steel



Large non-porous silo liner



Large Feed Hopper Liner



Forklift knife version enhanced
Five times longer life



Overall protection for
dumping-truck body

