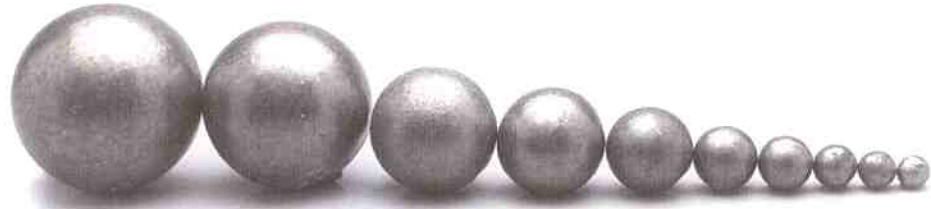


Superior Performance
Through Innovative Technology

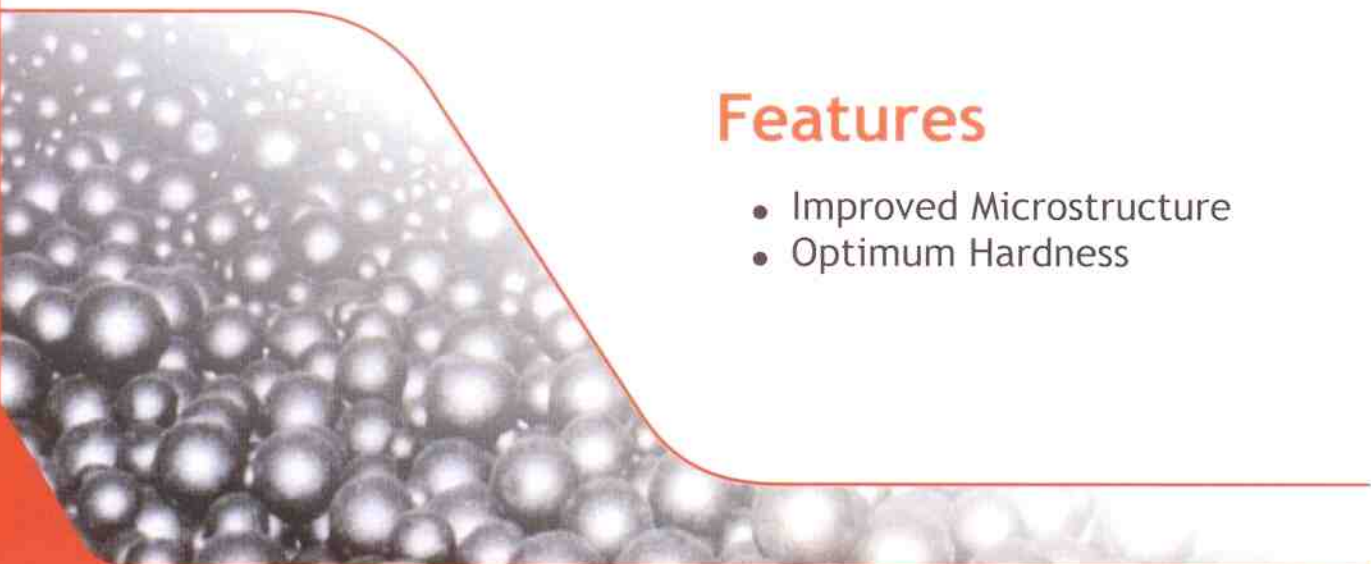


1st & 2nd Chamber Essentials

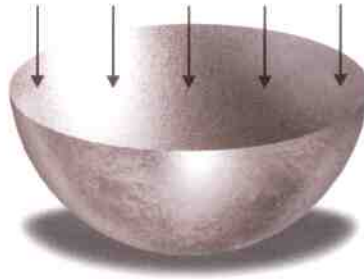
ega Grinding MEDIA

Features

- Improved Microstructure
- Optimum Hardness



Uniform Hardness throughout cross section
and controlled microconstituents



Application-Based Range of Alloys

Alloy	C(%)	Cr.(%)	Hardness (Rc)	Application
Vegatough 18	2.0 - 2.5	17 - 19	60 - 63	First Chamber
Vegatough 27	2.5 - 3.0	24 - 28	60 - 63	First Chamber
Vegahard 12	2.6 - 3.5	10 - 14	61 - 68	Second Chamber
Vegahard 18	2.5 - 2.8	18 - 21	62 - 66	Second Chamber

Benefits

- Reduced wear rate
- Consistent mill performance
- Increased mill availability
- Reduced operating cost

Vega Industries Limited is one of the largest suppliers of quality casting and services in the world. All our foundries are ISO 9001 certified.



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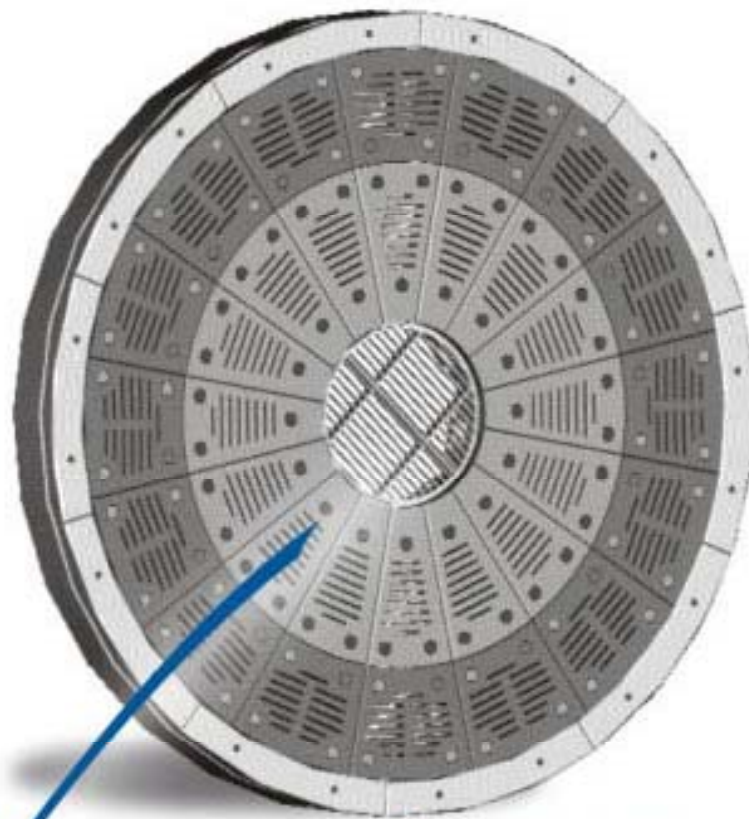
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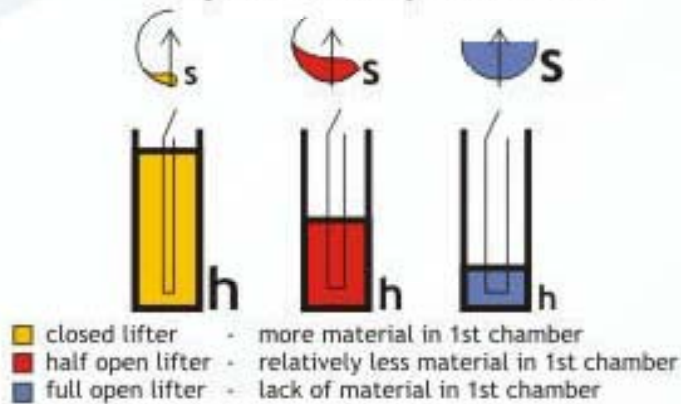
1st Chamber Essentials

vegaLCD

Features

- Unique Design
- Efficient Level Control
- Mechanical Flexibility
- Light Weight Wear Segments
- Self Cleaning Slots And Central Screen
- Special Alloy Composition

Adjustment of the Cylindrical Lifters



$$Q \text{ (Lifter output / mill throughput)} = S \text{ (Effective c/s area)} \times h \text{ (Effective material height in the lifter)} = \text{Constant}$$

Alloy Selection

	Vegaline 112	Vegaline 125	Vegaline 107
C(%)	1.0 - 1.5	2.1 - 2.6	0.3 - 0.5
Cr.(%)	10 - 12	23 - 27	6 - 9
Hardness in Rc	48 - 53	53 - 57	51 - 54

Benefits

- Ease of handling
- Higher lifetime
- Optimum grinding efficiency
- Improved mill ventilation
- Minimised downtime
- Reduced maintenance cost
- Safer installation

Vega industries limited is one of the largest suppliers of quality casting and services in the world. All our foundries are ISO 9000 certified.



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Superior Performance
Through Innovative Technology



vega**P**lus

1st Chamber Essentials



Features

- Higher Chromium Content
- Unique Alloying Addition
- Improved Microstructure
- Optimum Hardness

Uniform Hardness throughout cross section
and controlled microconstituents



Unique Composition

	Conventional Grade	VegaPlus
C(%)	2 - 2.5	2.7 - 3.1
Cr.(%)	16-19	20 - 22
Other Alloying elements (Avg%)	2.0	5.0
Hardness in RC	60-62	62 - 65
RA(%)	< 5	< 5

Benefits

- Reduced wear rate
- Minimum 40% reduction in wear rate expected over conventional grade
- Consistent mill performance
- Increased mill availability
- Lower inventory
- Reduced operating cost

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