



SHRIRAM PISTONS & RINGS LTD.



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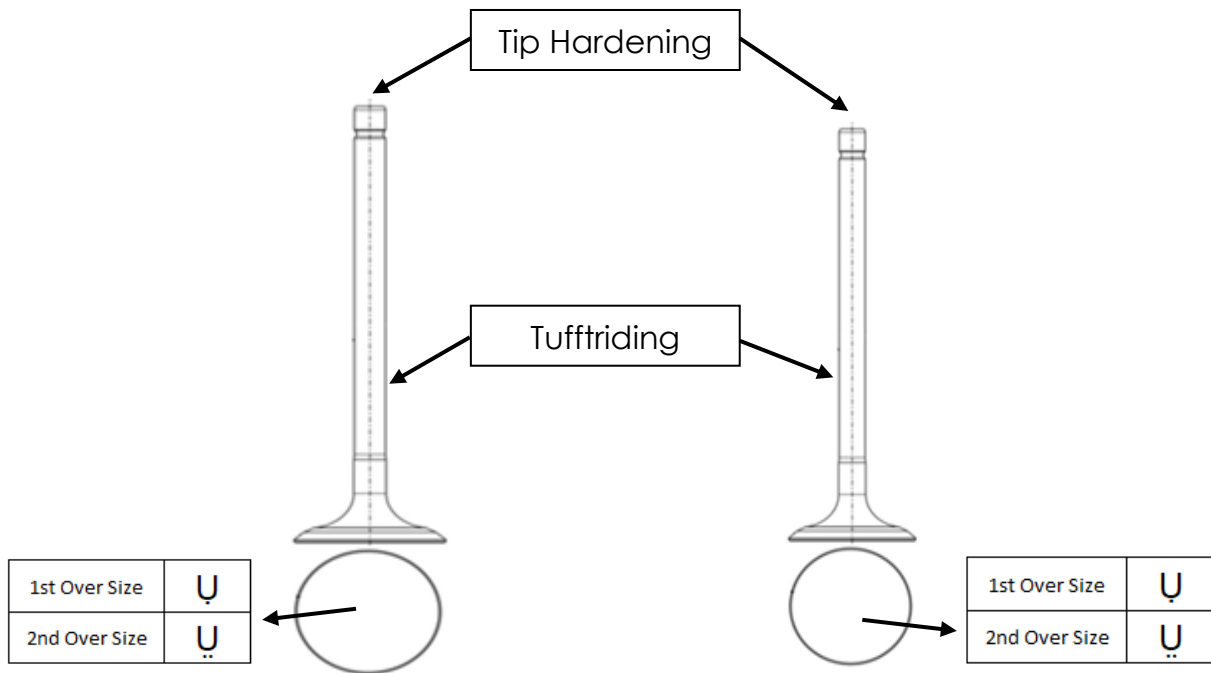
INTRODUCTION CIRCULAR – **HERO CD100/ SPLENDOR TUFF 1ST & 2ND O/S - EV SET**

USHA is pleased to launch '**HERO CD100/ SPLENDOR TUFF 1ST & 2ND O/S**' engine valves in its aftermarket bi-wheeler product range.



The technical details of these engine valves are as under:

Model	Valve	USHA Code	D X d X L (mm)	Material	Surface Treatment	Special Process	Identification marks @ Head
Hero CD100/ Splendor Tuff 1 st O/S	Inlet	BE2-5619	23.00 X 5.025 X 65.90	Martensitic	Tufftriding	Tip Hardening	U
	Exhaust	BE2-5620	20.00 X 5.025 X 65.30	Martensitic	Tufftriding	Tip Hardening	U
Hero CD100/ Splendor Tuff 2 nd O/S	Inlet	BE4-5621	23.00 X 5.050 X 65.90	Martensitic	Tufftriding	Tip Hardening	U
	Exhaust	BE4-5622	20.00 X 5.050 X 65.30	Martensitic	Tufftriding	Tip Hardening	U



These valves have following features: -

Sl. No.	Particulars	Benefits to Customer
1)	Both inlet & exhaust valves are Tufftrided.	Low wear, hence longer life
2)	Both inlet & exhaust valves are Tip Hardened	Low tip shear
3)	Both inlet & exhaust valves are made of 'Mono' one piece martensitic (magnetic) material.	High wear resistance

Tuff

Tuff is the common name for Tufftriding process. In this process, the entire surface of the valve is given a special heat treatment which enhances its hardness and strength. This improves wear resistance of the valve even at higher engine temperatures.

Tip Hardening

Tip of the valves are hardened using surface hardening process called Induction Hardening. The process involves heating tip of the valve to higher temperature & then quenching in a special oil/ water to achieve desired hardness.

These features make USHA '**HERO CD100/ SPLENDOR TUFF 1ST & 2ND O/S**' valves unique, produced to give better performance & longer life.



Technical Product News is an exclusive update of product & information from

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