

Adjustable Valve Guide Reamers Type V

Application Range

The special reamer for reaming the valve guide of engines.

The optional guide bush fits in the valve seat so that the reamer aligns perfectly in the valve guide.

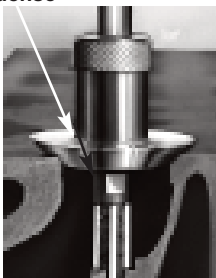
Description

Right-hand cutting reamer with extra long shank and an optional guide bush.

Due to the unique Hunger relief grinding operation the blades have a progressively increasing clearance angle giving a softer cutting action.



Führungs-
buchse



Reamers							Guide Bush		
Size	Range		Length Overall L1 mm	Length Blades L2 mm	WAF a mm	Blades Quantity	Gewicht kg	Conicity mm	Weight kg
	mm	Inch							
V 5,4	5,4 - 6	7/32 - 15/64	160	28	4	3	0,025	14-21	0,030
V 5,9	5,9 - 6,5	15/64 - 1/4	160	28	4,3	3	0,030	17-28	0,050
V 6,4	6,4 - 7	1/4 - 17/64	160	28	4,9	3	0,035	16-28	0,050
V 6,9	6,9 - 7,5	17/64 - 19/64	160	28	5,5	3	0,040	21-38	0,070
V 7,4	7,4 - 8	19/64 - 5/16	165	28	5,5	3	0,045	22-36	0,065
V 7,9	7,9 - 8,5	5/16 - 21/64	170	28	6,2	3	0,055	23-47	0,150
V 8,4	8,4 - 9	21/64 - 23/64	175	28	6,2	3	0,065	28-44	0,155
V 8,9	8,9 - 9,5	23/64 - 3/8	180	32	7	4	0,075	25-53	0,190
V 9,4	9,4 - 10	3/8 - 25/64	190	32	7	4	0,085	26-52	0,180
V 9,9	9,9 - 11	25/64 - 7/16	200	36	8	5	0,100	25-53	0,190
V10,9	10,9 - 12	7/16 - 15/32	220	36	8	5	0,130	33-61	0,270

Ordering Information

Hard chrome reamers and hard chrome replacement blades have been discontinued. Remaining stocks of nearly all reamer sizes are available while supplies last.

As an advanced alternative to the hard chrome version, Hunger now offers the DLC version, in which the blades are coated with diamond-like carbon (DLC).

See page 2 for details.

-Size	Reamers		Replacement Blades		Spare Nut Part-No.	Option Guide Bush Part-No.
	Special Steel Part-No.	Hard Chrome Part-No.	Special Steel Part-No.	Hard Chrome Part-No.		
V 5,4	140 01 000	141 01 000	140 01 400	141 01 400	140 01 510	140 01 600
V 5,9	140 02 000	141 02 000	140 02 400	141 02 400	140 02 510	140 02 600
V 6,4	140 03 000	141 03 000	140 03 400	141 03 400	140 03 510	140 03 600
V 6,9	140 04 000	141 04 000	140 04 400	141 04 400	140 04 510	140 04 600
V 7,4	140 05 000	141 05 000	140 05 400	141 05 400	140 05 510	140 05 600
V 7,9	140 06 000	141 06 000	140 06 400	141 06 400	100 08 510	140 06 600
V 8,4	140 07 000	141 07 000	140 07 400	141 07 400	140 07 510	140 07 600
V 8,9	140 08 000	141 08 000	140 08 400	141 08 400	140 08 510	140 08 600
V 9,4	140 09 000	141 09 000	140 09 400	141 09 400	140 09 510	140 09 600
V 9,9	140 10 000	141 10 000	140 10 400	141 10 400	140 10 510	140 10 600
V10,9	140 11 000	141 11 000	140 11 400	141 11 400	140 11 510	140 11 600

Each reamer is packaged in a clear plastic tube.

Sets of Reamers Type V in Wooden Cases

Type	Range		Reamers Quantity	Bushes Quantity	Specia Steel	Hard Chrome	Weight kg
	mm	Inch			Part No.	Part No.	
VR	5,9 - 12	15/64 - 15/32	10	-	140 00 100	141 00 100	1,140
VRB	5,9 - 12	15/64 - 15/32	10	10	140 00 200	141 00 200	3,500

Adjustable Valve Guide Reamers Type V - Version DLC

Description

The blades of the reamers type V version DLC are coated with a diamond-like hard material layer, which is applied by a complex PVD process.

The DLC coating is characterized by extreme hardness, wear resistance and smoothness (very low friction). At the same time, the sharpness of the cutting edges is maintained because the DLC coating is extremely thin.

The DLC version of the reamers type is therefore ideal for titanium alloys, copper alloys (bronze and brass) as well as materials with a high wear effect and materials that tend to stick and form built-up edges.

Ordering Information

Size	Reamer DLC Part No.	Replacement Blades DLC Part No.	Spare Nut Part No.	Option Guide Bush Part No.
V 5,4	148 01 000	148 01 400	140 01 510	140 01 600
V 5,9	148 02 000	148 02 400	140 02 510	140 02 600
V 6,4	148 03 000	148 03 400	140 03 510	140 03 600
V 6,9	148 04 000	148 04 400	140 04 510	140 04 600
V 7,4	148 05 000	148 05 400	140 05 510	140 05 600
V 7,9	148 06 000	148 06 400	100 08 510	140 06 600
V 8,4	148 07 000	148 07 400	140 07 510	140 07 600
V 8,9	148 08 000	148 08 400	140 08 510	140 08 600
V 9,4	148 09 000	148 09 400	140 09 510	140 09 600
V 9,9	148 10 000	148 10 400	140 10 510	140 10 600
V10,9	148 11 000	148 11 400	140 11 510	140 11 600

Each reamer is packaged in a clear plastic tube.

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