

# Guides

## V-Shaped / Plate Type

**Guides – V-Shaped Type**

Type	Material	Hardness	Surface Treatment
WGVA	1045 Carbon Steel or Equivalent	40 HRC~	—
WGVB			Black Oxide
WGVN			Electroless Nickel Plating
WGVH			Black Oxide
WGVJ	Polyacetal	—	—
WGVN	MC Nylon	—	—

ⓘ Possible to receive Ø5–Ø30 round poles.

**Part Number Example**

Part Number: **WGVA25**  
 Part Number: **WGVJ35**

**Application Example**

Type	L
WGVA	25
WGVB	
WGVN	
WGVH	
WGVJ	35
WGVN	

**Guides – Plate Type**

Type	Material	Surface Treatment
WGTB	1045 Carbon Steel or Equivalent	Black Oxide
WGTM	1045 Carbon Steel or Equivalent	Electroless Nickel Plating
WGTJ	Polyacetal	—

Type	Part Number		T	G	d
	A	B			
WGTB WGTM WGTJ	16	8–12	5	6	4.5
	19				
	22	11–15	9	8	5.5
	25				
32	14–25	12	10	6.5	

**Part Number Example**

Part Number: **WGTB16 - B8 - L50 - T5**

**Part Number Alterations**

Part Number: **WGTB16 - B8 - L100 - T5 - CC**

Alterations	Both Sides Cut Type	Partial Hardening
Spec.	Cuts symmetrically. ⓘ L ≥ min(Lx2)	ⓘ Applicable to WGTB / WGTM. (45–50 HRC) Depth 0.5–1.5 mm
Code	<b>CC</b>	<b>SHC</b>

# V Blocks

## Standard / Precision Class

**V Blocks – Standard**

**Counterbored Type**

**T-Shaped Type**

Counterbored Type	T-Shaped Type	Material	Hardness	Surface Treatment
VBZ	VBT	O1 Tool Steel or Equivalent	55–60 HRC	—
VBZB	VBTB			Black Oxide
VBZE	VBTE			Electroless Nickel Plating

Part Number		L Selection
Type		
Counterbored Type	T-Shaped Type	25
VBZ	VBT	
VBZB	VBTB	35
VBZE	VBTE	

**V Blocks – Precision Class**

Type	Material	Hardness	Surface Treatment
VZB	O1 Tool Steel or Equivalent	HRC 58–62	—
VZBB			Black Oxide
VZBM			Electroless Nickel Plating

(Reference: Calculation of Central Height H<sub>2</sub>)  
 $H_2 = \sqrt{2} \times \frac{r}{2} + h$

ⓘ \*Inspection dimension H<sub>1</sub>  
 For VZB25, 26.57±0.02  
 For VZB38, 34.07±0.02  
 (Inspection pin gauge of Ø10±0.001 is used.)

Part Number		B	H	h	d <sub>1</sub>	d <sub>2</sub>	P	d <sub>nr</sub>	Applicable Diameter Range r
Type	A								
VZB	25	21	25	14.5	6.5	11	17	4	4–25
VZBB	38	32	38	22	9	14	28	5	5–38
VZBM									

**Part Number Example**

Part Number: **VBZ 25**  
 Part Number: **VZB 25**

**Part Number Alterations**

Part Number: **VBZ25 - KC**  
 Part Number: **VZB25 - DC**

**Application Example**

Alterations	Keyway	Dowel Hole
Code	<b>KC</b>	<b>DC</b>
Spec.	Machines keyway. Ordering Code: KC b=8±0.02 T=3+ <sup>+0.2</sup> / <sub>0</sub>	Machines dowel hole. Ordering Code: DC D=4 a=1/2 Not applicable to Counterbored Type.