Mini-V

Mini-VE Sizes 08 & 11 NEW
New Geometry for Inserts and Holders for Improved Performance and Better Chip Evacuation

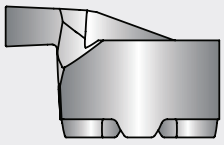
Features and Benefits:
- Better chip evacuation
- Improved performance
- Available for boring, grooving, and threading inserts
- New Mini-VE 08 & 11 left-hand inserts available as standard
- New Mini-VE tools feature two flat areas for versatile mounting of the tool
- Mini-VE VE08 & VE11 inserts can be mounted on both VE & V tools
- RH and LH inserts can be mounted on the same tool

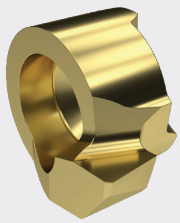
Ordering Code:
- New Mini-VE inserts and holders are marked with "E"
  Insert example: VE08020BCR VTX
  Holder example: CVE08-1221

Availability:
- New inserts and tools will be available in Q2 2021 and will be supplied on a FIFO basis
- Mini V inserts and tools available while supplies last

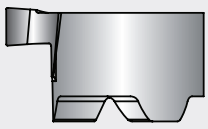
Main Catalog:
- The new 2021 GROOVEX Main Catalog will include the new Mini-VE tools only.

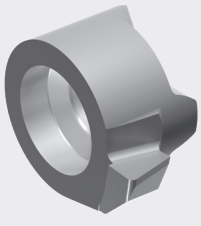
New Geometry
VE08 and VE11 inserts





Previous Geometry
V08 and V11 inserts





Please be in direct contact with me for any specific questions or requests.
For additional updates and news, visit the new VARGUS website: www.vargus.com

Gideon Boianjiu
GROOVEX Product Manager

Scroll down for complete details

Mini-V

New Improved Geometry

NEW

New Mini-VE Inserts Geometry

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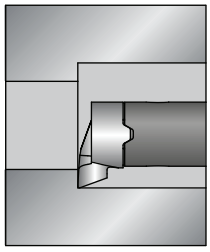
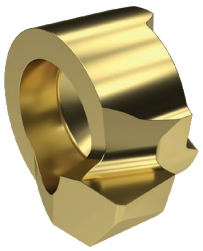
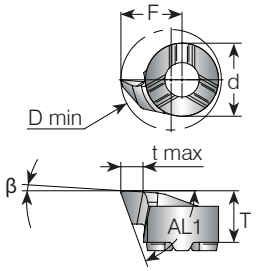
New Mini-VE Holders Geometry

Alloy Steel Shank 15
Carbide Shank 16

Boring







Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	T	t max	AL1	β	F	mm	VTX
VE08	VE08020BCR/L	0.2	6.0	4.45	1.3	70°	8°	4.65	7.8	•
VE11	VE11020BCR/L	0.2	8.0	5.65	2.3	70°	3°	6.7	11.0	•

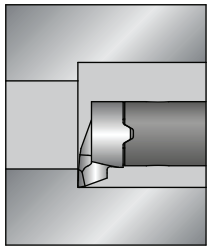
• In stock ∘ Available upon request

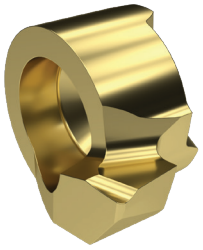
Mini-V - Previous Geometry

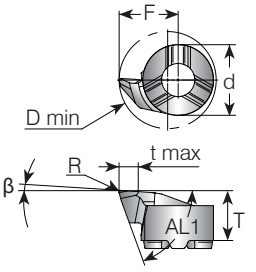
Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grades	
	RH	r	d	T	t max	AL1	β	F	mm	VBX	VTX
V08	V08BC R	0.2	6	3.65	1.3	69.8°	8°	4.65	7.8	•	•
V11	V11BC R	0.2	8	4.0	2.3	69.8°	3°	6.70	11.0	•	•

• In stock ∘ Available upon request

Boring with Chip Former







Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	T	t max	AL1	β	F	mm	VTX
VE08	VE08020BCFR/L	0.2	6.0	4.45	1.3	70°	8°	4.65	7.8	•
VE11	VE11020BCFR/L	0.2	8.0	5.65	2.3	70°	3°	6.7	11.0	•

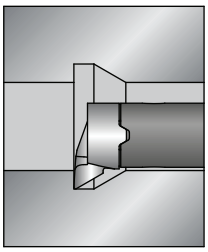
• In stock ∘ Available upon request

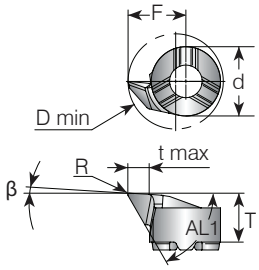
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grades	
	RH	r	d	T	t max	AL1	β	F	mm	VBX	VTX
V08	V08BCF R	0.2	6	3.65	1.3	69.8°	8°	4.65	7.8	•	•
V11	V11BCF R	0.2	8	4.0	2.2	69.8°	3°	6.70	11.0	•	•

• In stock ∘ Available upon request

Profiling 30°





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	T	t max	AL1	β	F	mm	VTX
VE08	VE08020P30R/L	0.2	6.0	4.45	1.3	60°	8°	4.65	7.8	•
VE11	VE11020P30R/L	0.2	8.0	5.65	2.3	60°	3°	6.70	11.0	•

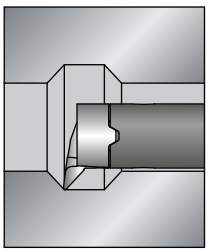
• In stock ○ Available upon request

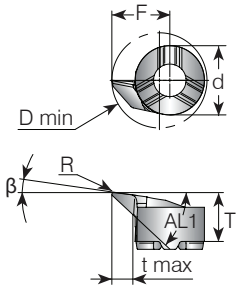
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grades	
	RH	r	d	T	t max	AL1	β	F	mm	VBX	VTX
V08	V08BC3 R	0.2	6	3.65	1.3	59.8°	8°	4.65	7.8	•	•
V11	V11BC3 R	0.2	8	4.0	2.3	59.8°	3°	6.70	11.0	•	•

• In stock ○ Available upon request

Profiling 45°





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	T	t max	AL1	β	F	mm	VTX
VE08	VE08020P47R/L	0.2	6.0	4.45	1.3	43°	5.5°	4.65	7.8	•
VE11	VE11020P47R/L	0.2	8.0	5.65	2.3	43°	7°	6.70	11.0	•

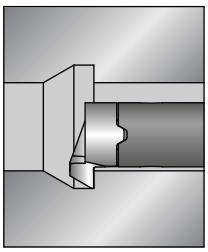
• In stock ○ Available upon request

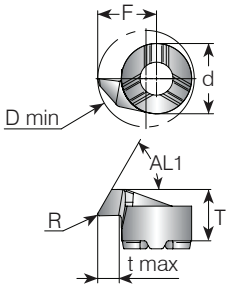
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grades	
	RH	r	d	T	t max	AL1	β	F	mm	VBX	VTX
V08	V08CL R	0.2	6	3.65	1.2	43°	5.5°	4.65	7.8	•	•
V11	V11CL R	0.2	8	4.1	2.3	43°	7°	6.70	11.0	•	•

• In stock ○ Available upon request

Back Boring





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	T	t max	AL1	β	F	mm	VTX
VE08	VE08020BBR/L	0.2	6	4.6	1.2	60°	4.65	4.65	7.8	•
VE11	VE11020BBR/L	0.2	8	5.85	2.2	60°	6.7	6.70	11.0	•

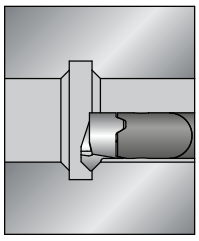
• In stock ○ Available upon request

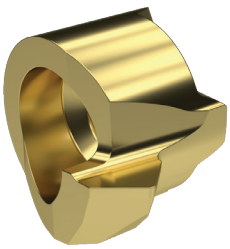
Mini-V - Previous Geometry

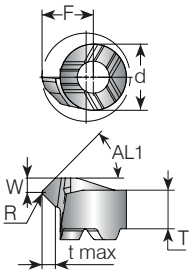
Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grades	
	RH	r	d	T	t max	AL1	F	mm	VBX	VTX
V08	V08BB R	0.2	6	3.8	1.2	59.5°	4.65	7.8	•	•
V11	V11BB R	0.2	8	4.0	2.2	59.5°	6.70	11.0	•	•

• In stock ○ Available upon request

Chamfering







Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grade
	RH/LH	r	d	$W^{+0.03}$	T	t max	AL1	F	mm	VTX
VE08	VE08020CH45R/L	0.2	6	1.3	4.6	1.2	45°	4.65	7.8	•

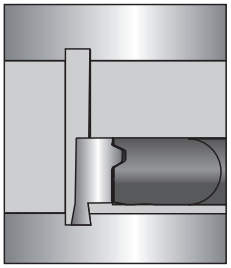
• In stock ○ Available upon request

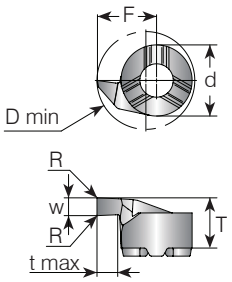
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm							Min. Bore Dia.	Grades	
	RH	r	d	$W^{+0.03}$	T	t max	AL1	F	mm	VBX	VTX
V08	V08CH45 R	0.2	6	1.3	3.8	1.0	45°	4.65	8.0	•	•

• In stock ○ Available upon request

Grooving DIN 472 - Sharp Corner Radius





Mini-VE - New Geometry

Insert Style	Ordering Code	Width of Circlip		Dimensions mm					Min. Bore Dia.	Grade
	RH/LH	mm	W$^{+0.03}$	d	t max	T	F	r	D min	VTX
VE08	VE0800GSW070T100R/L	0.7	0.73	6	1.0	4.4	4.8	0	8	○
	VE0800GSW080T100R/L	0.8	0.83							●
	VE0800GSW090T100R/L	0.9	0.93							○
	VE0800GSW110T100R/L	1.1	1.20							○
	VE0800GSW130T100R/L	1.3	1.40							○
	VE0800GSW160T100R/L	1.6	1.70							○
VE11	VE1100GSW070T120R/L	0.7	0.73	8	1.2	5.7	6.7	0	11	○
	VE1100GSW080T130R/L	0.8	0.83		1.3					●
	VE1100GSW090T150R/L	0.9	0.93		1.5					○
	VE1100GSW110T220R/L	1.1	1.20		2.2					○
	VE1100GSW130T220R/L	1.3	1.40		2.2					○
	VE1100GSW160T220R/L	1.6	1.70		2.2					○

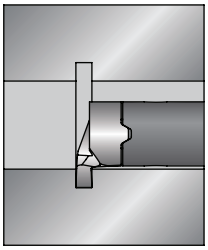
● In stock ○ Available upon request

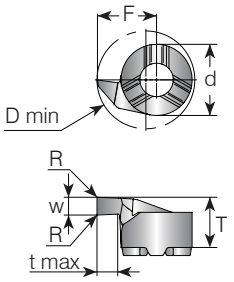
Mini-V - Previous Geometry

Insert Style	Ordering Code	Width of Circlip		Dimensions mm					Min. Bore Dia.	Grades	
	RH	mm	W$^{+0.03}$	d	t max	T	F	r	D min	VBX	VTX
V08	V08D472 W070T100 R	0.7	0.73	6	1.0	3.6	4.8	0	8	●	●
	V08D472 W080T100 R	0.8	0.83							●	●
	V08D472 W090T100 R	0.9	0.93							●	●
	V08D472 W110T100 R	1.1	1.20							●	●
	V08D472 W130T100 R	1.3	1.40							●	●
	V08D472 W160T100 R	1.6	1.70							●	●
V11	V11D472 W070T120 R	0.7	0.73	8	1.2	4.0	6.7	0	11	●	●
	V11D472 W080T130 R	0.8	0.83		1.3					●	●
	V11D472 W090T150 R	0.9	0.93		1.5					●	●
	V11D472 W110T230 R	1.1	1.20		2.2					●	●
	V11D472 W130T230 R	1.3	1.40		2.2					●	●
	V11D472 W160T230 R	1.6	1.70		2.2					●	●

● In stock ○ Available upon request

Grooving - 0.05 mm Corner Radius





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grade
	RH/LH	d	W$^{+0.03}$	t max	T	F	r	D min	VTX
VE08	VE08005GS W078T100R/L	6	0.78	1.0	4.4	4.8	0.05	8	○
	VE08005GS W086T100R/L		0.86						○
	VE08005GS W100T100R/L		1.00						●
	VE08005GS W117T100R/L		1.17						○
	VE08005GS W150T100R/L		1.50						●
	VE08005GS W157T100R/L		1.57						○
	VE08005GS W198T100R/L		1.98						○
	VE08005GS W200T100R/L		2.00						●
VE11	VE11005GS W100T230R/L	8	1	2.3	5.7	6.7	0.05	11	●
	VE11005GS W117T230R/L		1.17						○
	VE11005GS W120T230R/L		1.2						○
	VE11005GS W142T230R/L		1.42						○
	VE11005GS W150T230R/L		1.5						●
	VE11005GS W157T230R/L		1.57						○
	VE11005GS W198T230R/L		1.98						○
	VE11005GS W200T230R/L		2						●
	VE11005GS W238T230R/L		2.38						○
	VE11005GS W250T230R/L		2.5						○
	VE11005GS W318T230R/L		3.18						○

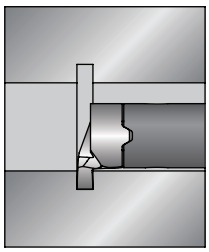
● In stock ○ Available upon request

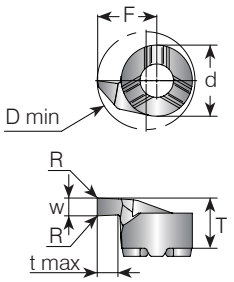
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grades	
	RH	d	W$^{+0.03}$	t max	T	F	r	D min	VBX	VTX
V08	V08GS W078T100 R	6	0.78	1.0	3.6	4.8	0.05	8	●	●
	V08GS W086T100 R		0.86						●	●
	V08GS W100T100 R		1.00						●	●
	V08GS W117T100 R		1.17						●	●
	V08GS W150T100 R		1.50						●	●
	V08GS W157T100 R		1.57						●	●
	V08GS W198T100 R		1.98						●	●
	V08GS W200T100 R		2.00						●	●
V11	V11GS W100T230 R	8	1.00	2.3	4.0	6.7	0.05	11	●	●
	V11GS W117T230 R		1.17						●	●
	V11GS W120T230 R		1.20						●	●
	V11GS W142T230 R		1.42						●	●
	V11GS W150T230 R		1.50						●	●
	V11GS W157T230 R		1.57						●	●
	V11GS W198T230 R		1.98						●	●
	V11GS W200T230 R		2.00						●	●
	V11GS W238T230 R		2.38						●	●
	V11GS W250T230 R		2.50						●	●
	V11GS W318T230 R		3.18						●	●

● In stock ○ Available upon request

Grooving - 0.2 mm Corner Radius





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grade
	RH/LH	d	W$^{+0.03}$	t max	T	F	r	D min	VTX
VE08	VE08020GS W150T100R/L	6	1.50	1.00	4.4	4.8	0.20	8	•
	VE08064GS W186T146R/L		1.86	1.46			0.64		○
	VE08020GS W198T100R/L		1.98	1.00			0.20		○
VE11	VE11020GS W070T180R/L	8	0.70	1.80	5.7	6.7	0.20	11	○
	VE11020GS W117T230R/L		1.17	2.30			0.20		○
	VE11020GS W200T230R/L		2.00	2.30			0.20		○

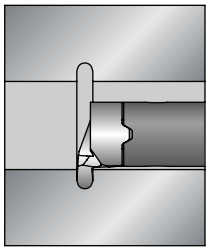
• In stock ○ Available upon request

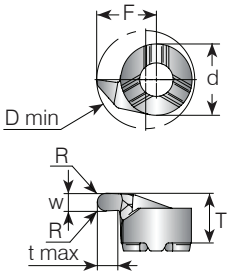
Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grades	
	RH	d	W$^{+0.03}$	t max	T	F	r	D min	VBX	VTX
V08	V08GSR W078T100 R	6	0.78	1.0	3.6	4.8	0.2	8	•	•
	V08GSR W117T100 R		1.17						•	•
	V08GSR W150T100 R		1.50						•	•
	V08GSR W157T100 R		1.57						•	•
	V08GSR W198T100 R		1.98						•	•
V11	V11GSR W117T230 R	8	1.17	2.3	4.0	6.7	0.2	11	•	•
	V11GSR W157T230 R		1.57						•	•
	V11GSR W198T230 R		1.98						•	•
	V11GSR W200T230 R		2.00						•	•
	V11GSR W238T230 R		2.38						•	•
	V11GSR W318T230 R		3.18						•	•

• In stock ○ Available upon request

Round Grooving - DIN 7993





Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grade
	RH/LH	d	W$^{+0.03}$	t max	T	F	r	D min	VTX
VE08	VE08040GR W080T100R/L	6	0.800	1.0	4.4	4.8	0.400	8	•
	VE08060GR W120T100R/L		1.200				0.600		○
	VE08080GR W160T100R/L		1.600				0.800		○
	VE08090GR W180T100R/L		1.800				0.900		○
	VE08100GR W200T100R/L		2.000				1.000		•
VE11	VE11028GR W057T200R/L	8	0.577	2.0	5.7	6.7	0.287	11	○
	VE11030GR W060T170R/L		0.600	1.7			0.300		○
	VE11040GR W080T230R/L		0.800	2.3			0.400		•
	VE11060GR W120T230R/L		1.200	2.3			0.600		○
	VE11078GR W157T230R/L		1.570	2.3			0.785		○
	VE11100GR W200T230R/L		2.000	2.3			1.000		•
	VE11120GR W240T230R/L		2.400	2.3			1.200		○

• In stock ○ Available upon request

Mini-V - Previous Geometry

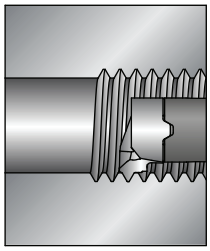
Insert Style	Ordering Code	Dimensions mm						Min. Bore Dia.	Grades	
	RH	d	W$^{+0.03}$	t max	T	F	r	D min	VBX	VTX
V08	V08D7993 W080T100 R	6	0.80	1.0	3.6	4.8	0.4	8	•	•
	V08D7993 W120T100 R		1.20				0.6		•	•
	V08D7993 W160T100 R		1.60				0.8		•	•
	V08D7993 W180T100 R		1.80				0.9		•	•
	V08D7993 W200T100 R		2.00				1.0		•	•
V11	V11D7993 W080T230 R	8	0.80	2.3	4.0	6.7	0.4	11	•	•
	V11D7993 W120T230 R		1.20				0.6		•	•
	V11D7993 W157T230 R		1.57				0.785		•	•
	V11D7993 W180T230 R		1.80				0.9		•	•
	V11D7993 W200T230 R		2.00				1.0		•	•
	V11D7993 W240T230 R		2.40				1.2		•	•
	V11D7993 W300T230 R		3.00				1.5		•	•

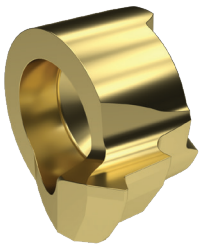
• In stock ○ Available upon request

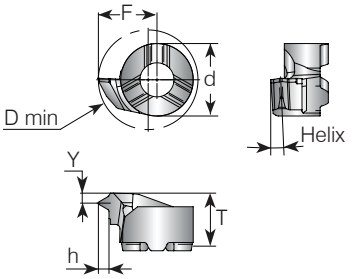
Scroll down for complete details

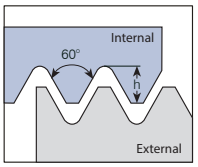
Threading

Internal









Partial Profile 60° | Mini-VE - New Geometry

Insert Style	Pitch		Ordering Code	Dimensions mm						Helix	Grade
	TPI	mm	RH/LH	d	T	F	Y	r	h max	Deg.	VTX
VE08	48-32	0.5-0.75	VE08TH H60R/L	6	4.6	4.20	0.5	0.025	0.49	1.5	○
	24-20	1.0-1.25	VE08TH I60R/L			4.46	0.8	0.095	0.74	2.5	○
	16-14	1.5-1.75	VE08TH J60R/L			4.76	0.9	0.137	1.04	3	○
VE11	48-32	0.5-0.75	VE11TH H60R/L	8	5.8	5.80	0.5	0.025	0.49	1.5	○
	24-20	1.0-1.25	VE11TH I60R/L			6.06	0.8	0.095	0.74	1.5	○
	16-14	1.5-1.75	VE11TH J60R/L			5.61	0.9	0.137	1.04	3	○

• In stock ○ Available upon request

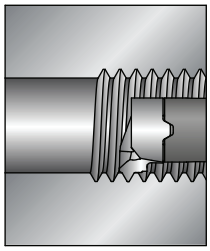
Partial Profile 60° | Mini-V - Previous Geometry

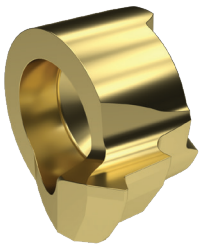
Insert Style	Pitch		Ordering Code	Dimensions mm						Helix	Grades	
	TPI	mm	RH	d	T	F	Y	r	h max	Deg.	VBX	VTX
V08	48-32	0.5-.75	V08TH H60 R	6	3.8	4.20	0.5	0.025	0.49	1.5	•	•
	24-20	1.0-1.25	V08TH I60 R			4.46	0.8	0.095	0.74	2.5	•	•
	16-14	1.5-1.75	V08TH J60 R			4.76	0.9	0.137	1.04	3	•	•
V11	48-32	0.5-.75	V11TH H60 R	8	4.2	5.80	0.5	0.025	0.49	1.5	•	•
	24-20	1.0-1.25	V11TH I60 R			6.06	0.8	0.095	0.74	1.5	•	•
	16-14	1.5-1.75	V11TH J60 R			5.61	0.9	0.137	1.04	3	•	•

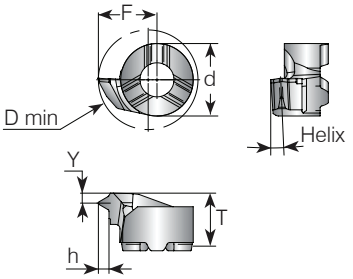
• In stock ○ Available upon request

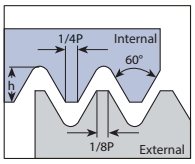
Threading

Internal









Defined by: R262 (DIN 13)
Tolerance class: 6g/6H

ISO Metric | Mini-VE - New Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grade
		mm	RH/LH	d	T	F	Y	h min	Deg.	VTX
M8x.5	VE08	0.50	VE08TH .50ISOR/L	6	4.6	3.86	0.35	0.29	1.0	○
M8.5x.75		0.75	VE08TH .75ISOR/L			4.19	0.50	0.43	1.5	○
M9x1.0		1.00	VE08TH 1.00ISOR/L			4.29	0.50	0.58	2.0	○
M10x1.25		1.25	VE08TH 1.25ISOR/L			4.44	0.80	0.72	2.5	○
M10x1.5		1.50	VE08TH 1.50ISOR/L			4.58	0.90	0.87	3.0	○
M12x1.75		1.75	VE08TH 1.75ISOR/L			4.80	0.90	1.01	3.0	○
M14x2.0	VE11	2.00	VE11TH 2.00ISOR/L	8	5.85	6.47	1.10	1.15	2.5	○

• In stock ○ Available upon request

ISO Metric | Mini-V - Previous Geometry

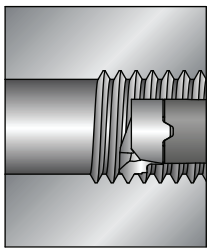
Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		mm	RH	d	T	F	Y	h min	Deg.	VBX	VTX
M8x.5	V08	0.5	V08TH .50ISO R	6	3.8	3.86	0.35	0.29	1	•	•
M8.5x.75		.75	V08TH .75ISO R			4.19	0.5	0.43	1.5	•	•
M9x1.0		1	V08TH 1.00ISO R			4.29	0.5	0.58	2	•	•
M10x1.25		1.25	V08TH 1.25ISO R			4.44	0.8	0.72	2.5	•	•
M10x1.5		1.5	V08TH 1.50ISO R			4.58	0.9	0.87	3	•	•
M12x1.75		1.75	V08TH 1.75ISO R			4.80	0.9	1.01	3	•	•
M14x2.0	V11	2	V11TH 2.00ISO R	8	4.2	6.47	1.1	1.15	2.5	•	•

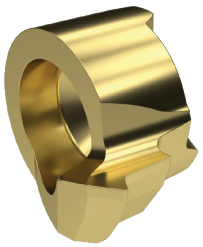
• In stock ○ Available upon request

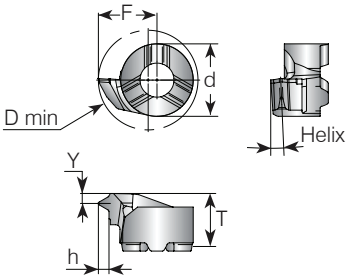
Scroll down for complete details

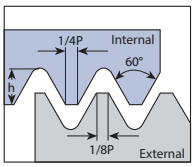
Threading

Internal









Defined by: ANSI B1.1:74
Tolerance class: 2A/2B

American UN | Mini-VE - New Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grade
		TPI	RH/LH	d	T	F	Y	h min	Deg.	VTX
3/8"-32UNEF	VE08	32	VE08TH 32UNR/L	6	4.6	4.21	0.50	0.46	1.5	○
3/8"-28UN		28	VE08TH 28UNR/L			4.28	0.50	0.52	2	○
3/8"-24UNF		24	VE08TH 24UNR/L			4.32	0.65	0.61	2	○
3/8"-20UN		20	VE08TH 20UNR/L			4.45	0.80	0.73	2.5	○
3/8"-18UNS		18	VE08TH 18UNR/L			4.53	0.85	0.81	2.5	○
3/8"-16UNC		16	VE08TH 16UNR/L			4.33	0.95	0.92	2.5	○
7/16"-14UNC		14	VE08TH 14UNR/L			4.78	1.10	1.05	3	○
9/16"-12UNC	VE11	12	VE11TH 12UNR/L	8	5.85	6.44	1.24	1.22	2.5	○

• In stock ○ Available upon request

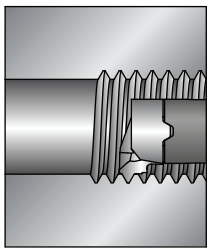
American UN | Mini-V - Previous Geometry

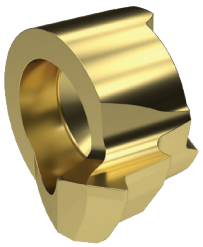
Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		TPI	RH	d	T	F	Y	h min	Deg.	VBX	VTX
3/8"-32UNEF	V08	32	V08TH 32UN R	6	3.8	4.21	0.5	0.46	1.5	•	•
3/8"-28UN		28	V08TH 28UN R			4.28	0.5	0.52	2	•	•
3/8"-24UNF		24	V08TH 24UN R			4.32	0.65	0.61	2	•	•
3/8"-20UN		20	V08TH 20UN R			4.45	0.8	0.73	2.5	•	•
3/8"-18UNS		18	V08TH 18UN R			4.53	0.85	0.81	2.5	•	•
3/8"-16UNC		16	V08TH 16UN R			4.33	0.95	0.92	2.5	•	•
7/16"-14UNC		14	V08TH 14UN R			4.78	1.1	1.05	3	•	•
9/16"-12UNC	V11	12	V11TH 12UN R	8	4.2	6.44	1.24	1.22	2.5	•	•

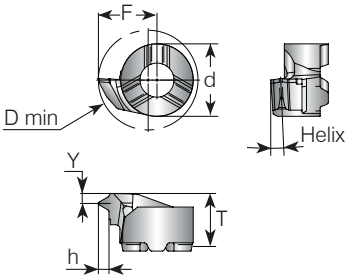
• In stock ○ Available upon request

Threading

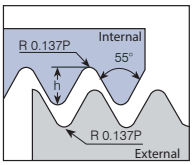
Internal







Defined by: B.S.84:1956, DIN 259, ISO228/1:1982
Tolerance class: Medium Class A



Whitworth - BSW, BSP, BSF, BSB | Mini-VE - New Geometry

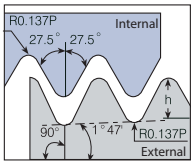
Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grade
		TPI	RH/LH	d	T	F	Y	h min	Deg.	VTX
1/2"x19W	VE11	19	VE11TH 19WR/L	8	5.85	6.18	0.85	0.86	2	○

• In stock ○ Available upon request

Whitworth - BSW, BSP, BSF, BSB | Mini-V - Previous Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		TPI	RH	d	T	F	Y	h min	Deg.	VBX	VTX
1/2"x19W	V11	19	V11TH 19W R	8	4.2	6.18	0.8	0.86	2	•	•

• In stock ○ Available upon request



BSPT | Mini-VE - New Geometry

Defined by: B.S.21:1985
Tolerance class: Standard BSPT

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	
		TPI	RH/LH	d	T	F	Y	h min	Deg.	VTX
1/4"-19BSPT	VE11	19	VE11TH 19BSPTR/L	8	5.65	6.18	0.85	0.86	2	○

• In stock ○ Available upon request

BSPT | Mini-V - Previous Geometry

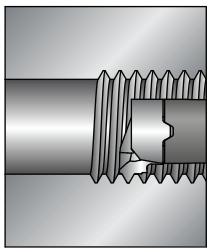
Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		TPI	RH	d	T	F	Y	h min	Deg.	VBX	VTX
1/4"-19BSPT	V11	19	V11TH 19BSPT R	8	4.2	6.13	0.9	0.86	2.5	•	•

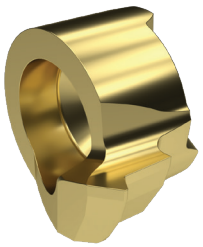
• In stock ○ Available upon request

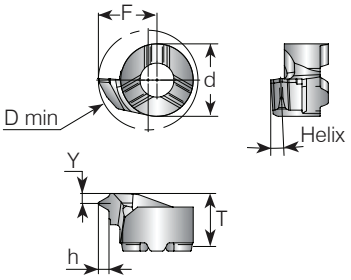
Scroll down for complete details

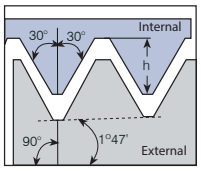
Threading

Internal









Defined by: USAS B2.1:1968
Tolerance class: Standard NPT

NPT | Mini-VE - New Geometry

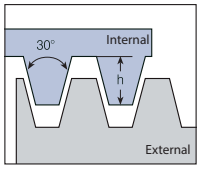
Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grade
		TPI	RH/LH	d	T	F	Y	h min	Deg.	VTX
1/8"-27NPT	VE08	27	VE08TH 27NPTR/L	6	4.6	4.35	0.6	0.64	2	○
1/4"-18NPT		18	VE08TH 18NPTR/L			4.80	0.9	1.00	2	○

• In stock ○ Available upon request

NPT | Mini-V - Previous Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		TPI	RH	d	T	F	Y	h min	Deg.	VBX	VTX
1/8"-27NPT	V08	27	V08TH 27NPT R	6	3.8	4.35	0.6	0.64	2	•	•
1/4"-18NPT		18	V08TH 18NPT R			4.8	0.9	1.0	2	•	•

• In stock ○ Available upon request



Defined by: DIN 103
Tolerance class: 7e/7H

Trapez | Mini-VE - New Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grade
		mm	RH/LH	d	T	F	Y	h min	Deg.	VTX
TR10x2.0	VE08	2	VE08TH 2.0TRR/L	6	4.6	4.79	0.90	1.25	3.5	○
TR11x3.0		3	VE08TH 3.0TRR/L			4.95	1.18	1.75	5	○
TR16x4.0	VE11	4	VE11TH 4.0TRR/L	8	5.85	6.53	1.60	2.25	5	○

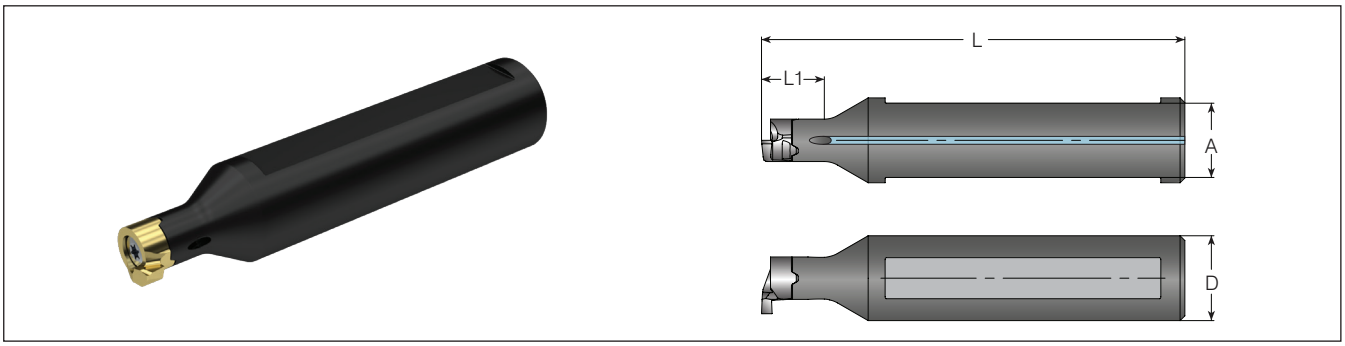
• In stock ○ Available upon request

Trapez | Mini-V - Previous Geometry

Min Thread	Insert Style	Ordering Code		Dimensions mm					Helix	Grades	
		mm	RH	d	T	F	Y	h min	Deg.	VBX	VTX
TR10x2.0	V08	2	V08TH 2.0TR R	6	3.8	4.79	0.9	1.25	3.5	•	•
TR11x3.0		3	V08TH 3.0TR R			4.95	1.18	1.75	5	•	•
TR16x4.0	V11	4	V11TH 4.0TR R	8	4.2	6.53	1.55	2.25	4.5	•	•

• In stock ○ Available upon request

Alloy Steel Shank



Alloy Steel Shank | Mini-VE - New Geometry

Insert Style	Ordering Code	Dimensions mm					Spare Parts	
		A	L	L1	D	D1	Screw*	Key
VE08	VE08-1612	15.6	80	12	16	6	SNV08	K2T
VE11	VE11-1612	15.6	80	12	16	8	SNV11	K3T

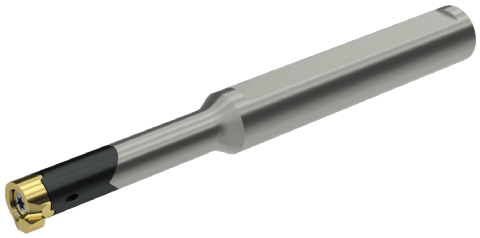
* Tightening Torque: 1.6 Nm.

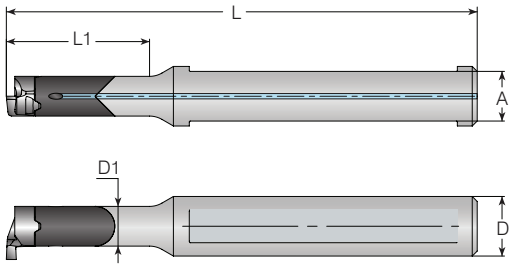
Alloy Steel Shank | Mini-V - Previous Geometry

Insert Style	Ordering Code	Dimensions mm					Spare Parts	
	Holder RH	A	L	L1	D	D1	Screw*	Key
V08	V08-1612	15.6	80	12	16	6	SNV08	K2T
V11	V11-1612	15.6	80	12	16	8	SNV11	K3T

* Tightening Torque: V08 - 0.65 Nm max. | V11 - 2.0 Nm max.

Carbide Shank





Carbide Shank | Mini-VE - New Geometry

Insert Style		Dimensions mm					Spare Parts	
		A	L	L1	D	D1	Screw*	Key
VE08	CVE08-1221	11.5	80.5	21	12	6	SNV08	K2T
	CVE08-1230		90.5	30				
	CVE08-1242		100	42				
	CVE08-1250		115	50				
VE11	CVE11-1229	11.5	95	29	12	8	SNV11	K3T
	CVE11-1242		110	42				
	CVE11-1256		120	56				
	CVE11-1264		130	64				

* Tightening Torque: VE08 - 1.6 Nm | VE11 - 2.2 Nm.

Carbide Shank | Mini-V - Previous Geometry

Insert Style		Dimensions mm					Spare Parts	
	Holder RH	A	L	L1	D	D1	Screw**	Key
V08	CV08-1221	11.5	80.5	21	12	6	SNV08	K2T
	CV08-1230		90.5	30				
	CV08-1242 *		100.5	42				
	CV08-1250 *		115	50				
V11	CV11-1229	11.5	95	29	12	8	SNV11	K3T
	CV11-1242		110	42				
	CV11-1256 *		120	56				
	CV11-1264 *		130	64				

* For boring and chamfering only.
** Tightening Torque: V08 - 0.65 Nm max. | V11 - 2.0 Nm max.