



Vol 1

Coolant-Through Taps for Difficult to Machine Materials

EXOTAP[®] VC-10 & VA-3

VC-10 Ti • VC-10 • VA-3



EXOTAP® VC-10

Features & Benefits



V Coating

for increased hardness, lubricity & wear resistance.

Coolant-Through

for smooth chip evacuation.

Premium Powdered Metal VC-10 Substrate

for increased hardness and longer tool life.

DIN Overall Length

for longer reach.



New to the VC-10 Series

Coolant-Through & DIN Overall Length Now Available in the VC-10 Series

We have expanded the VC-10 series offering to include both coolant-through and DIN overall length options.

EXOTAP® VC-10 Lineup

Designed to Excel in Difficult to Machine Materials

The EXOTAP® VC-10 taps feature unique geometries to excel in titanium or other difficult to machine materials.

List	Item	Brand	Inch/Metric	Coating	Size Range	Features	Cutting Tool Solutions 2017-18
313 & 345		EXOTAP® VC-10	Inch & Metric	V, S/O	No. 2 - 3/4" M3 - M12	Spiral Fluted	361-363
NEW 317 & 351		EXOTAP® VC-10	Inch & Metric	V	5/16 - 1" M8 - M24	Spiral Fluted, Coolant-Through	Flyer 6-7
NEW 316 & 350		EXOTAP® VC-10	Inch & Metric	V	1/4 - 1" M6 - M24	Spiral Pointed, Coolant-Through	Flyer 12-13
312 & 344		EXOTAP® VC-10	Inch & Metric	V, S/O	No. 2 - 3/4" M3 - M12	Spiral Pointed	414-415
315 & 345STI		EXOTAP® VC-10	Inch & Metric	V, S/O	No. 2 - 1" M2 - M24	STI, Spiral Fluted	499-500
314 & 344STI		EXOTAP® VC-10	Inch & Metric	V, S/O	No. 2 - 1" M2 - M24	STI, Spiral Pointed	509-510
313Ti & 345Ti		EXOTAP® VC-10 Ti	Inch & Metric	V	No. 2 - 1" M2.5 - M12	Spiral Fluted	356-357
312Ti & 344Ti		EXOTAP® VC-10 Ti	Inch & Metric	V	No. 2 - 1" M3 - M12	Spiral Pointed	410-411
NEW 317Ti & 348Ti		EXOTAP® VC-10 Ti	Inch & Metric	V	1/4 - 1" M8 - M24	Spiral Fluted, Coolant-Through	Flyer 4-5
NEW 316Ti & 347Ti		EXOTAP® VC-10 Ti	Inch & Metric	V	1/4 - 1" M8 - M24	Spiral Pointed, Coolant-Through	Flyer 10-11
315Ti		EXOTAP® VC-10 Ti	Inch	V	No. 2 - 1/2"	STI, Spiral Fluted	497
314Ti		EXOTAP® VC-10 Ti	Inch	V	No. 2 - 1/2"	STI, Spiral Pointed	507
313Ni & 345Ni		EXOTAP® VC-10 Ni	Inch & Metric	V, S/O	No. 2 - 1" M2.5 - M12	Spiral Fluted	358-360
312Ni & 344Ni		EXOTAP® VC-10 Ni	Inch & Metric	V, S/O	No. 2 - 1" M2.5 - M12	Spiral Pointed	412-413
315Ni		EXOTAP® VC-10 Ni	Inch	V	No. 2 - 1/2"	STI, Spiral Fluted	498
314Ni		EXOTAP® VC-10 Ni	Inch	V	No. 2 - 1/2"	STI, Spiral Pointed	508





V Coating —
for increased hardness,
lubricity & wear resistance.

Coolant-Through
for faster cutting speeds and
smoother chip evacuation.

DIN Overall Length
for longer reach.

HSSE Substrate
for increased wear resistance.



New to the VA-3 Series

Coolant-Through & DIN Overall Length Now Available in the VA-3 Series

The EXOTAP® VA-3 taps now include both coolant-through and DIN overall length options.

EXOTAP® VA-3 Lineup

Designed to Excel in Stainless Steels

The EXOTAP® VA-3 taps feature optimized geometry specifically designed for stainless and carbon steels.

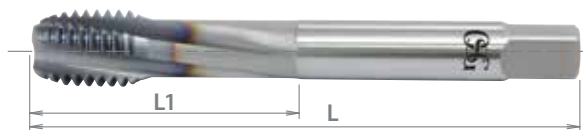
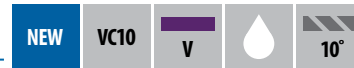
List	Item	Brand	Inch/ Metric	Coating	Size Range	Features	Cutting Tool Solutions 2017-18
303 & 343		EXOTAP VA-3®	Inch & Metric	V, TiN, S/O	No. 2 - 1" M3 - 18	Spiral Fluted	375-378
NEW 307 & 347		EXOTAP VA-3®	Inch & Metric	V	1/4 - 1" M6 - 24	Spiral Fluted, Coolant-Through	Flyer 8-9
NEW 306 & 346		EXOTAP VA-3®	Inch & Metric	V	1/4 - 1" M6 - 24	Spiral Pointed, Coolant-Through	Flyer 14-15
300 & 342		EXOTAP VA-3®	Inch & Metric	V, TiN, S/O	No. 2 - 1" M3 - 18	Spiral Pointed	422-423
398		EXOTAP VA-3®	Inch	S/O	No. 4 - 5/8"	Long Shank, Spiral Fluted	379
397		EXOTAP VA-3®	Inch	S/O	No. 4 - 5/8"	Long Shank, Spiral Pointed	424
302 & 343STI		EXOTAP VA-3®	Inch & Metric	V, S/O	No. 2 - 1" M2 - 24	STI, Spiral Fluted	501-503
301 & 342STI		EXOTAP VA-3®	Inch & Metric	V, S/O	No. 2 - 1" M2 - 24	STI, Spiral Pointed	511-512

EXOTAP® VC-10 Ti

Coolant-Through Taps Designed for Titanium Alloys

List 317Ti

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
1/4 - 28 UNF	H3	3	80	25	31721408
	H4				31721508
5/16 - 24 UNF	H3		90	35	31721808
	H4				31721908
3/8 - 24 UNF	H3		90	35	31722208
	H4				31722308
7/16 - 20 UNF	H3		100	43	31722608
	H5				31722708
1/2 - 20 UNF	H3		100	49	31723008
	H5				31723108
9/16 - 18 UNF	H3		100	50	31723408
	H5				31723508
5/8 - 18 UNF	H3	100	54	31723808	
	H5			31723908	
3/4 - 16 UNF	H3	110	61	31724208	
	H5			31724308	
7/8 - 14 UNF	H4	125	67	31724608	
	H6			31724708	
1 - 12 UNF	H4	140	76	31725008	
	H6			31725108	

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels 4140 4340	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy Inconel	Titanium 6Al4V (30 HRC)	Hardened Steels			
	Low 1010 1018	Med. 1035 1045	High 1065			300	400	17-4 PH		6061 7075	Casting			~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
317Ti				○				○				⊗	⊗	○	○		
SFM	-	-	-	15-30	-	-	-	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

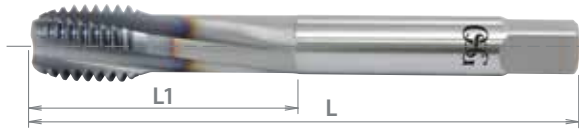
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List 348Ti

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)

NEW VC10 V 10°



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
M8 x 1.0	D5	3	90	35	34820608
M10 x 1.25	D5		100	39	34820808
M12 x 1.25	D5		100	49	34821008
M12 x 1.5	D6		100	49	34821108
M14 x 1.5	D6		100	50	34821308
M16 x 1.5	D6	4	100	54	34821508
M18 x 1.5	D6		110	55	34821708
M20 x 1.5	D6		125	61	34821908
M22 x 1.5	D6		125	67	34822108
M24 x 1.5	D6		140	68	34822308

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
1010	1035	1065	4140	4340													
348Ti				○			○				⊗	⊗	○	○			
SFM	-	-	-	15-30	-	-	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-	

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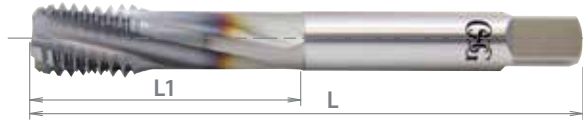


EXOTAP® VC-10

Coolant-Through Taps Designed for Difficult to Machine Materials

List 317

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
5/16 - 18 UNC	H3	3	90	35	31701508
	H5				31701608
5/16 - 24 UNF	H3		90	35	31701708
	H4				31701808
3/8 - 16 UNC	H3		100	39	31701908
	H5				31702008
3/8 - 24 UNF	H3		90	35	31702108
	H4				31702208
7/16 - 14 UNC	H3		100	43	31702308
	H5				31702408
7/16 - 20 UNF	H3		100	43	31702508
	H5				31702608
1/2 - 13 UNC	H3		110	49	31702708
	H5				31702808
1/2 - 20 UNF	H3		100	49	31702908
	H5				31703008
9/16 - 12 UNC	H3	110	50	31704908	
	H5			31705008	
9/16 - 18 UNF	H3	100	50	31703108	
	H5			31703208	
5/8 - 11 UNC	H3	110	54	31703308	
	H5			31703408	
5/8 - 18 UNF	H3	100	54	31703508	
	H5			31703608	
3/4 - 10 UNC	H3	125	61	31703708	
	H5			31703808	
3/4 - 16 UNF	H3	110	61	31703908	
	H5			31704008	
7/8 - 9 UNC	H4	140	67	31704108	
	H6			31704208	
7/8 - 14 UNF	H4	125	67	31704308	
	H6			31704408	
1 - 8 UNC	H4	160	76	31704508	
	H6			31704608	
1 - 12 UNF	H4	140	76	31704708	
	H6			31704808	

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels 4140 4340	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy Inconel	Titanium 6Al4V (30 HRC)	Hardened Steels			
	Low 1010 1018	Med. 1035 1045	High 1065			300	400	17-4 PH		6061 7075	Casting			~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
317				☉	☐		☐	☉				☐	☐	☉	☐		
SFM	-	-	-	15-30	10-25	-	12-45	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

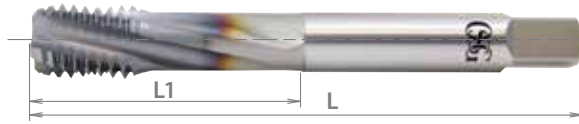
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List 351

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)

NEW VC10 V 15°



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
M8 x 1.0	D5	3	90	35	35100608
M8 x 1.25	D5		90	35	35100708
M10 x 1.25	D5		100	39	35100808
M10 x 1.5	D6		100	39	35100908
M12 x 1.25	D5		100	49	35101008
M12 x 1.5	D6		100	49	35101108
M12 x 1.75	D6		110	49	35101208
M14 x 1.5	D6		100	50	35101308
M14 x 2.0	D7		110	50	35101408
M16 x 1.5	D6		100	54	35101508
M16 x 2.0	D7		110	54	35101608
M18 x 1.5	D6		4	110	55
M18 x 2.5	D7	125		55	35101808
M20 x 1.5	D6	125		61	35101908
M20 x 2.5	D7	140		61	35102008
M22 x 1.5	D6	125		67	35102108
M22 x 2.5	D7	140		67	35102208
M24 x 1.5	D6	140		68	35102308
M24 x 3.0	D8	160		68	35102408

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels 4140 4340	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy Inconel	Titanium 6Al4V (30 HRC)	Hardened Steels			
	Low 1010 1018	Med. 1035 1045	High 1065			300	400	17-4 PH		6061 7075	Casting			~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
351				<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
SFM	-	-	-	15-30	10-25	-	12-45	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

good best



EXOTAP® VA-3

Coolant-Through Taps Designed for Stainless Steel

List 307

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)

NEW HSSE V 45°



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number	
					Modified Bottom (2.5P-3P)	
					V	
1/4 - 20 UNC	H3	3	80	30	30701708	
	H5				30701808	
1/4 - 28 UNF	H3		80	30	30701908	
	H4				30702008	
5/16 - 18 UNC	H3		90	35	30702108	
	H5				30702208	
5/16 - 24 UNF	H4		90	35	30702308	
	H5				30702408	
3/8 - 16 UNC	H3		100	39	30702508	
	H5				30702608	
3/8 - 24 UNF	H3		90	35	30702708	
	H4				30702808	
7/16 - 14 UNC	H3		100	43	30702908	
	H5				30703008	
7/16 - 20 UNF	H3		100	43	30703108	
	H5				30703208	
1/2 - 13 UNC	H3		110	49	30703308	
	H5				30703408	
1/2 - 20 UNF	H3		100	49	30703508	
	H5				30703608	
9/16 - 12 UNC	H3		4	110	50	30703708
	H5					30703808
9/16 - 18 UNF	H3			100	50	30703908
	H5					30704008
5/8 - 11 UNC	H3	110		54	30704108	
	H5				30704208	
5/8 - 18 UNF	H3	100		54	30704308	
	H5				30704408	
3/4 - 10 UNC	H3	125		61	30704508	
	H5				30704608	
3/4 - 16 UNF	H3	110		61	30704708	
	H5				30704808	
7/8 - 9 UNC	H4	140		67	30704908	
	H6				30705008	
7/8 - 14 UNF	H4	125		67	30705108	
	H6				30705208	
1 - 8 UNC	H4	160		76	30705308	
	H6				30705408	
1 - 12 UNF	H4	140		76	30705508	
	H6				30705608	

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels				Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High	Alloy Steels		300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
307	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
SFM	25-80	20-50	20-45	-	-	20-45	20-45	8-20	-	-	-	-	-	-	-	-	

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List 347

Coolant-Through, DIN Overall Length, Modified Bottom (2.5P-3P)

NEW

HSSE

V

45°



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number	
					Modified Bottom (2.5P-3P)	
					V	
M6 x 1.0	D5	3	80	30	34700508	
M8 x 1.0	D5		90	35	34700608	
M8 x 1.25	D5		90	35	34700708	
M10 x 1.25	D5		100	39	34700808	
M10 x 1.5	D6		100	39	34700908	
M12 x 1.25	D5		100	49	34701008	
M12 x 1.5	D6		100	49	34701108	
M12 x 1.75	D6		110	49	34701208	
M14 x 1.5	D6		100	50	34701308	
M14 x 2.0	D7		110	50	34701408	
M16 x 1.5	D6		100	54	34701508	
M16 x 2.0	D7		110	54	34701608	
M18 x 1.5	D6		4	110	55	34701708
M18 x 2.5	D7			125	55	34701808
M20 x 1.5	D6	125		61	34701908	
M20 x 2.5	D7	140		61	34702008	
M22 x 1.5	D6	125		67	34702108	
M22 x 2.5	D7	140		67	34702208	
M24 x 1.5	D6	140		68	34702308	
M24 x 3.0	D8	160		68	34702408	

Packed: 1 pc.
Available V coating only.



List No.	Work Material																
	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
347	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
SFM	25-80	20-50	20-45	-	-	20-45	20-45	8-20	-	-	-	-	-	-	-	-	-

good best



EXOTAP® VC-10 Ti

Coolant-Through Taps Designed for Titanium Alloys

List 316Ti

Coolant-Through, DIN Overall Length, Plug (5P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
1/4 - 28 UNF	H3	3	80	25	31621408
	H4				31621508
5/16 - 24 UNF	H3		90	35	31621808
	H4				31621908
3/8 - 24 UNF	H3		90	35	31622208
	H4				31622308
7/16 - 20 UNF	H3		100	32	31622608
	H4				31622708
1/2 - 20 UNF	H3		100	34	31623008
	H5				31623108
9/16 - 18 UNF	H3		100	37	31623408
	H5				31623508
5/8 - 18 UNF	H3	100	39	31623808	
	H4			31623908	
3/4 - 16 UNF	H3	4	110	43	31624208
	H4				31624308
7/8 - 14 UNF	H4		125	47	31624608
	H6				31624708
1 - 12 UNF	H4		140	53	31625008
	H6				31625108

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
1010	1035	1065	4140	4340													
316Ti				○				○				○	○	○	○		
SFM	-	-	-	15-30				8-20				8-15	8-15	15-35	10-20	-	-

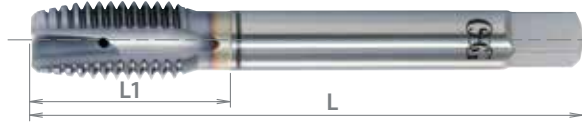
○ good □ best



List 347Ti

NEW VC10 V 

Coolant-Through, DIN Overall Length, Plug (5P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
M8 x 1.0	D5	3	90	35	34720508
M10 x 1.25	D5		100	39	34720708
M12 x 1.25	D5		100	32	34720908
M12 x 1.5	D6		100	32	34721008
M14 x 1.5	D6		100	36	34721208
M16 x 1.5	D6		100	36	34721408
M18 x 1.5	D6		110	43	34721608
M20 x 1.5	D6		125	44	34721808
M22 x 1.5	D6		125	44	34722008
M24 x 1.5	D6		4	140	51

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
347Ti				○				○				⊗	⊗	○	○		
SFM	-	-	-	15-30	-	-	-	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

○ good ⊗ best

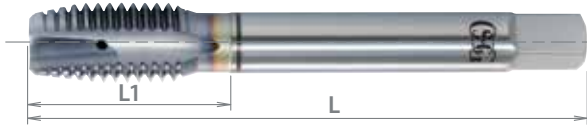


EXOTAP® VC-10

Coolant-Through Taps Designed for Difficult to Machine Materials

List 316

Coolant-Through, DIN Overall Length, Plug (5P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
1/4 - 20 UNC	H3	3	80	30	31601108
	H5				31601208
1/4 - 28 UNF	H3		80	30	31601308
	H4				31601408
5/16 - 18 UNC	H3		90	35	31601508
	H5				31601608
5/16 - 24 UNF	H3		90	35	31601708
	H4				31601808
3/8 - 16 UNC	H3		100	39	31601908
	H5				31602008
3/8 - 24 UNF	H3		90	35	31602108
	H4				31602208
7/16 - 14 UNC	H3		100	32	31602308
	H5				31602408
7/16 - 20 UNF	H3		100	32	31602508
	H5				31602608
1/2 - 13 UNC	H3		110	34	31602708
	H5				31602808
1/2 - 20 UNF	H3		100	34	31602908
	H5				31603008
9/16 - 12 UNC	H3		110	37	31603108
	H5				31603208
9/16 - 18 UNF	H3		100	37	31603308
	H5				31603408
5/8 - 11 UNC	H3	110	39	31603508	
	H5			31603608	
5/8 - 18 UNF	H3	100	39	31603708	
	H5			31603808	
3/4 - 10 UNC	H3	125	43	31603908	
	H5			31605008	
3/4 - 16 UNF	H3	110	43	31604008	
	H5			31604108	
7/8 - 9 UNC	H4	140	47	31604208	
	H6			31604308	
7/8 - 14 UNF	H4	125	47	31604408	
	H6			31604508	
1 - 8 UNC	H4	160	53	31604608	
	H6			31604708	
1 - 12 UNF	H4	140	53	31604808	
	H6			31604908	

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels 4140 4340	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy Inconel	Titanium 6Al4V (30 HRC)	Hardened Steels			
	Low 1010 1018	Med. 1035 1045	High 1065			300	400	17-4 PH		6061 7075	Casting			~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
316				☐	☐		☐	☐				☐	☐	☐	☐		
SFM	-	-	-	15-30	10-25	-	12-45	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

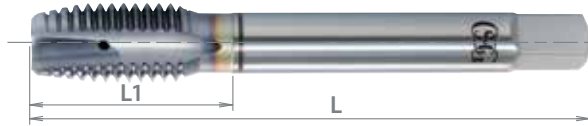
☐ good ☐ best



List 350

NEW	VC10	V	
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Coolant-Through, DIN Overall Length, Plug (5P)



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
M6 x 1.0	D5	3	80	30	35000408
M8 x 1.0	D5		90	35	35000508
M8 x 1.25	D5		90	35	35000608
M10 x 1.25	D5		100	39	35000708
M10 x 1.5	D6		100	39	35000808
M12 x 1.25	D5		100	32	35000908
M12 x 1.5	D6		100	32	35001008
M12 x 1.75	D6		110	32	35001108
M14 x 1.5	D6		100	36	35001208
M14 x 2.0	D7		110	36	35001308
M16 x 1.5	D6		100	36	35001408
M16 x 2.0	D7		110	36	35001508
M18 x 1.5	D6		110	43	35001608
M18 x 2.5	D7		125	43	35001708
M20 x 1.5	D6	4	125	44	35001808
M20 x 2.5	D7		140	44	35001908
M22 x 1.5	D6		125	44	35002008
M22 x 2.5	D7		140	44	35002108
M24 x 1.5	D6		140	51	35002208
M24 x 3.0	D8		160	51	35002308

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S	H				
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
350				<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
SFM	-	-	-	15-30	10-25	-	12-45	8-20	-	-	-	8-15	8-15	15-35	10-20	-	-

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EXOTAP® VA-3

Coolant-Through Taps Designed for Stainless Steel

List 306

Coolant-Through, DIN Overall Length, Plug (5P)

NEW HSSE V



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
1/4 - 20 UNC	H3	3	80	30	30601708
	H5				30601808
1/4 - 28 UNF	H3		80	30	30601908
	H4				30602008
5/16 - 18 UNC	H3		90	35	30602108
	H5				30602208
5/16 - 24 UNF	H3		90	35	30602308
	H4				30602408
3/8 - 16 UNC	H3		100	39	30602508
	H5				30602608
3/8 - 24 UNF	H3		90	35	30602708
	H4				30602808
7/16 - 14 UNC	H3		100	32	30602908
	H5				30603008
7/16 - 20 UNF	H3		100	32	30603108
	H5				30603208
1/2 - 13 UNC	H3		110	34	30603308
	H5				30603408
1/2 - 20 UNF	H3		100	34	30603508
	H5				30603608
9/16 - 12 UNC	H3		110	37	30603708
	H5				30603808
9/16 - 18 UNF	H3		100	37	30603908
	H5				30604008
5/8 - 11 UNC	H3		110	39	30604108
	H5				30604208
5/8 - 18 UNF	H3		100	39	30604308
	H5				30604408
3/4 - 10 UNC	H3		125	43	30604508
	H5				30604608
3/4 - 16 UNF	H3		110	43	30604708
	H5				30604808
7/8 - 9 UNC	H4	140	47	30604908	
	H6			30605008	
7/8 - 14 UNF	H4	125	47	30605108	
	H6			30605208	
1 - 8 UNC	H4	160	53	30605308	
	H6			30605408	
1 - 12 UNF	H4	140	53	30605508	
	H6			30605608	

Packed: 1 pc.
Available V coating only.



Work Material																		
List No.	P					Die Steels	M			K Cast Iron	N		S		H			
	Carbon Steels			Alloy Steels 4140 4340	Stainless Steels		Aluminum 6061 7075	Nickel Alloy Inconel	Titanium 6Al4V (30 HRC)		Hardened Steels							
	Low 1010 1018	Med. 1035 1045	High 1065								300	400	17-4 PH	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC	
306	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
SFM	25-80	20-50	20-45	-	-		20-45	20-45	8-20	-	-	-	-	-	-	-	-	-

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List 346

Coolant-Through, DIN Overall Length, Plug (5P)

NEW HSSE V 



Tap Size	Thread Limit	No. of Flutes	Overall Length	Neck Length (in)	EDP Number
					Modified Bottom (2.5P-3P)
					V
M6 x 1.0	D5	3	80	30	34600508
M8 x 1.0	D5		90	35	34600608
M8 x 1.25	D5		90	35	34600708
M10 x 1.25	D5		100	39	34600808
M10 x 1.5	D6		100	39	34600908
M12 x 1.25	D5		100	32	34601008
M12 x 1.5	D6		100	32	34601108
M12 x 1.75	D6		110	32	34601208
M14 x 1.5	D6		100	36	34601308
M14 x 2.0	D7		110	36	34601408
M16 x 1.5	D6		100	36	34601508
M16 x 2.0	D7		110	36	34601608
M18 x 1.5	D6		110	43	34601708
M18 x 2.5	D7		125	43	34601808
M20 x 1.5	D6		125	44	34601908
M20 x 2.5	D7		140	44	34602008
M22 x 1.5	D6		125	44	34602108
M22 x 2.5	D7		140	44	34602208
M24 x 1.5	D6		140	51	34602308
M24 x 3.0	D8		160	51	34602408

Packed: 1 pc.
Available V coating only.



Work Material																	
List No.	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
346	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
SFM	25-80	20-50	20-45	-	-	20-45	20-45	8-20	-	-	-	-	-	-	-	-	-


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 **Safe use of cutting tools**

- Use safety cover, safety glasses and safety shoes during operation.
- Do not touch cutting edges with bare hands.
- Do not touch cutting chips with bare hands. Chips will be hot after cutting.
- Stop cutting when the tool becomes dull.
- Stop cutting operation immediately if you hear any abnormal cutting sounds.
- Do not modify tools.
- Please use appropriate tools for the operation. Check dimensions to ensure proper selection.

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