

THE EVOLUTION OF HIGH PERFORMANCE TAPPING

SPRING ACTION

01.04 - 30.06.24

PRODUCT FEATURES

- Improved tool life thanks to HSSP Premium Grade with new coating technology!
- The improved chip ejection and the reduced cutting resistance, made possible by the unique flute shape, allow longer life and excellent internal threads quality.
- The Z-PRO VU are specifically designed for use with water-soluble cutting fluid.
- Suitable for a wide range of workpiece materials
- Available in a wide range of oversized tolerances ISO3X(6GX), 7GX, ISO2X(6HX)+100.

ISO	MATERIALS	Vc (m/min)	
		VUSP	VUPO
P1	Structural steel and low carbon steel	10 ÷ 25	10 ÷ 30
P2	Carbon steel and low alloy steel	10 ÷ 25	10 ÷ 30
P3	Medium alloy steel	10 ÷ 20	10 ÷ 25
P4	Alloy steel	10 ÷ 20	10 ÷ 25
M	Stainless steel	5 ÷ 10	5 ÷ 10
N	Aluminium and alloys	10 ÷ 30	10 ÷ 40

VUSP Coated spiral fluted taps



VUPO Coated spiral pointed taps



		VUSP			VUPO		
		edp	list price	50% off	edp	list price	50% off
M	TCTR	DIN371			DIN371		
M2X0.4	ISO2X(6HX)	3101101021	57,15	28,58	3102101021	55,90	27,95
M2.2X0.45	ISO2X(6HX)	3101101024	57,15	28,58	3102101024	52,50	26,25
M2.3X0.4	ISO2X(6HX)	3101101026	57,15	28,58	3102101026	52,50	26,25
M2.5X0.45	ISO2X(6HX)	3101101029	50,00	25,00	3102101029	47,75	23,88
M2.6X0.45	ISO2X(6HX)	3101101032	50,00	25,00	3102101032	47,75	23,88
M3X0.5	ISO2X(6HX)	3101101035	42,33	21,17	3102101035	41,03	20,52
	ISO3X(6GX)	3101201035	46,57	23,29	3102201035	45,14	22,57
	7GX	3101301035	50,00	25,40	3102301035	49,24	24,62
	ISO2X(6HX)+100	3101501035	51,05	25,53	3102501035	51,05	25,53
M4X0.7	ISO2X(6HX)	3101101042	44,13	22,07	3102101042	42,78	21,39
	ISO3X(6GX)	3101201042	48,55	24,28	3102201042	47,06	23,53
	7GX	3101301042	52,98	26,49	3102301042	51,36	25,68
	ISO2X(6HX)+100	3101501042	53,24	26,62	3102501042	53,24	26,62
M5X0.8	ISO2X(6HX)	3101101049	44,43	22,22	3102101049	43,07	21,54
	ISO3X(6GX)	3101201049	48,88	24,44	3102201049	47,38	23,69
	7GX	3101301049	53,34	26,67	3102301049	51,71	25,86
	ISO2X(6HX)+100	3101501049	53,55	26,78	3102501049	53,55	26,78
M6X1	ISO2X(6HX)	3101101055	44,43	22,22	3102101055	43,07	21,54
	ISO3X(6GX)	3101201055	48,88	24,44	3102201055	47,38	23,69
	7GX	3101301055	53,34	26,67	3102301055	51,71	25,86
	ISO2X(6HX)+100	3101501055	53,55	26,78	3102501055	53,55	26,78
M8X1.25	ISO2X(6HX)	3101101064	45,45	22,73	3102101064	44,48	22,24
	ISO3X(6GX)	3101201064	50,00	25,00	3102201064	48,93	24,47
	7GX	3101301064	54,53	27,27	3102301064	53,37	26,69
	ISO2X(6HX)+100	3101501064	54,77	27,39	3102501064	54,77	27,39
M10X1.5	ISO2X(6HX)	3101101078	59,50	29,75	3102101078	58,23	29,12
	ISO3X(6GX)	3101201078	65,45	32,73	3102201078	64,05	32,03
	7GX	3101301078	71,38	35,69	3102301078	69,85	34,93
	ISO2X(6HX)+100	3101501078	71,76	35,88	3102501078	71,76	35,88
M	TCTR	DIN376			DIN376		
M12X1.75	ISO2X(6HX)	3101101088	77,55	38,78	3102101088	75,88	37,94
	ISO3X(6GX)	3101201088	85,31	42,66	3102201088	83,47	41,74
	7GX	3101301088	93,06	46,53	3102301088	91,06	45,53
	ISO2X(6HX)+100	3101501088	93,48	46,74	3102501088	93,48	46,74
M14X2	ISO2X(6HX)	3101101100	93,62	46,81	3102101100	93,62	46,81
	ISO3X(6GX)	3101201100	102,98	51,49	3102201100	102,98	51,49
	7GX	3101301100	112,32	56,16	3102301100	112,32	56,16
	ISO2X(6HX)+100	3101501100	116,50	58,25	3102501100	116,50	58,25
M16X2	ISO2X(6HX)	3101101114	131,01	65,51	3102101114	131,01	65,51
	ISO3X(6GX)	3101201114	144,11	72,06	3102201114	144,11	72,06
	7GX	3101301114	157,19	78,60	3102301114	157,19	78,60
	ISO2X(6HX)+100	3101501114	162,95	81,48	3102501114	162,95	81,48

		VUSP			VUPO		
		edp	list price	50% off	edp	list price	50% off
M	TCTR	DIN376			DIN376		
M18x2.5	ISO2X(6HX)	3101101128	170,29	85,14	3102101128	170,29	85,15
M20x2.5	ISO2X(6HX)	3101101141	231,61	115,81	3102101141	231,61	115,81
M22x2.5	ISO2X(6HX)	3101101156	278,69	139,35	3102101156	278,69	139,35
M24x3	ISO2X(6HX)	3101101167	348,35	174,18	3102101167	348,35	174,18
MF	TCTR	DIN371			DIN371		
M3X0.35	ISO2X(6HX)	3101101036	56,34	28,17	3102101036	56,34	28,17
M4X0.5	ISO2X(6HX)	3101101043	52,44	26,22	3102101043	52,44	26,22
M5X0.5	ISO2X(6HX)	3101101051	54,06	27,03	3102101051	54,06	27,03
M6X0.75	ISO2X(6HX)	3101101056	55,72	27,86	3102101056	55,72	27,86
M6X0.5	ISO2X(6HX)	3101101057	55,72	27,86	3102101057	55,72	27,86
MF	TCTR	DIN374			DIN374		
M8X1	ISO2X(6HX)	3101101065	50,97	25,49	3102101065	50,97	25,49
M10X1.25	ISO2X(6HX)	3101101079	59,50	29,75	3102101079	59,50	29,75
M10X1	ISO2X(6HX)	3101101080	67,83	33,92	3102101080	67,83	33,92
M12X1.5	ISO2X(6HX)	3101101089	77,55	38,78	3102101089	77,55	38,78
M12X1.25	ISO2X(6HX)	3101101090	77,55	38,78	3102101090	77,55	38,78
M14X1.5	ISO2X(6HX)	3101101102	93,62	46,81	3102101102	93,62	46,81
M16X1.5	ISO2X(6HX)	3101101116	131,01	65,51	3102101116	131,01	65,51
M18x1.5	ISO2X(6HX)	3101101130	170,29	85,15	3102101130	170,29	85,15
M20x1.5	ISO2X(6HX)	3101101144	231,61	115,81	3102101144	231,61	115,81
M22x1.5	ISO2X(6HX)	3101101158	278,69	139,35	3102101158	278,69	139,35
M24x1.5	ISO2X(6HX)	3101101170	348,35	174,18	3102101170	348,35	174,18
UNC	TCTR	DIN371			DIN371		
No.5-40UNC	2BX	3101103021	50,35	25,18	3102103021	50,35	25,18
No.6-32UNC	2BX	3101103023	50,35	25,18	3102103023	50,35	25,18
No.8-32UNC	2BX	3101103029	50,35	25,18	3102103029	50,35	25,18
No.10-24UNC	2BX	3101103039	50,35	25,18	3102103039	50,35	25,18
No.12-24UNC	2BX	3101103047	53,10	26,55	3102103047	53,10	26,55
1/4-20UNC	2BX	3101103058	53,10	26,55	3102103058	53,10	26,55
5/16-18UNC	2BX	3101103071	53,10	26,55	3102103071	53,10	26,55
3/8-16UNC	2BX	3101103082	59,35	29,68	3102103082	59,35	29,68
UNC	TCTR	DIN376			DIN376		
7/16-14UNC	2BX	3101103098	76,45	38,23	3102103098	76,45	38,23
1/2-13UNC	2BX	3101103111	87,65	43,83	3102103111	87,65	43,83
9/16-12UNC	2BX	3101103126	119,75	59,88	3102103126	119,75	59,88
5/8-11UNC	2BX	3101103138	155,50	77,75	3102103138	155,50	77,75
3/4-10UNC	2BX				3102103161	243,45	121,73
7/8-9UNC	2BX				3102103181	373,82	186,91
UNF	TCTR	DIN371			DIN371		
No.5-44UNF	2BX	3101103022			3102103022	50,35	25,18
No.6-40UNF	2BX	3101103024			3102103024	50,35	25,18
No.8-36UNF	2BX	3101103030			3102103030	50,35	25,18
No.10-32UNF	2BX	3101103041			3102103041	50,35	25,18
No.12-28UNF	2BX	3101103048			3102103048	53,10	26,55
1/4-28UNF	2BX	3101103062			3102103062	53,10	26,55
UNF	TCTR	DIN374			DIN374		
5/16-24UNF	2BX				3102103074	53,10	26,55
3/8-24UNF	2BX				3102103085	59,35	29,68
7/16-20UNF	2BX				3102103101	76,45	38,23
1/2-20UNF	2BX				3102103115	87,65	43,83
9/16-18UNF	2BX				3102103129	119,75	59,88
5/8-18UNF	2BX				3102103142	155,50	77,75
3/4-16UNF	2BX				3102103164	243,45	121,73
7/8-14UNF	2BX				3102103184	373,82	186,91

VUSP E (1.5P) Coated spiral fluted taps 1.5P



VUSP CH Coated spiral pointed taps with central coolant hole



		VUSP E(1.5P)			VUSP CH		
		edp	list price	50% off	edp	list price	50% off
M	TCTR	DIN371			DIN371		
M3X0.5	ISO2X(6HX)	3103101035	42,33	21,17			
M4X0.7	ISO2X(6HX)	3103101042	44,13	22,07			
M5X0.8	ISO2X(6HX)	3103101049	44,43	22,22			
M6X1	ISO2X(6HX)	3103101055	44,43	22,22	3201101055	67,55	33,78
M8X1.25	ISO2X(6HX)	3103101064	45,45	22,73	3201101064	74,10	37,05
M10X1.5	ISO2X(6HX)	3103101078	59,50	29,75	3201101078	90,44	45,22
MF	TCTR	DIN371			DIN371		
M12X1.75	ISO2X(6HX)	3103101088	77,55	38,78	3201101088	124,10	62,05
M14X2	ISO2X(6HX)	3103101100	93,62	46,81	3201101100	163,60	81,80
M16X2	ISO2X(6HX)	3103101114	131,01	65,51	3201101114	220,65	110,33
MF	TCTR	DIN374			DIN374		
M8X1	ISO2X(6HX)	3103101065	50,97	25,49	3201101065	85,85	42,93
M10X1.25	ISO2X(6HX)	3103101079	59,50	29,75	3201101079	95,20	47,60
M10X1	ISO2X(6HX)	3103101080	67,83	33,92	3201101080	108,54	54,27
M12X1.5	ISO2X(6HX)	3103101089	77,55	38,78	3201101089	124,10	62,05
M12X1.25	ISO2X(6HX)	3103101090	77,55	38,78	3201101090	124,10	62,05
M14X1.5	ISO2X(6HX)	3103101102	93,62	46,81	3201101102	163,60	81,80
M16X1.5	ISO2X(6HX)	3103101116	131,01	65,51	3201101116	220,65	110,33

VUSP LONG (LS) Coated spiral fluted taps



VUPO LONG (LS) Coated spiral pointed taps



						VUSP LS			VUPO LS		
						edp	list price	50% off	edp	list price	50% off
M	LF	THL	LU	DCON	K	JIS			JIS		
M3X0.5	100	9	18	4	3.2	2101101035	81,84	40,92	2102101035	81,84	40,92
M4X0.7	100	11	21	5	4	2101101042	74,53	37,27	2102101042	74,53	37,27
M5X0.8	100	13	25	5.5	4.5	2101101049	67,16	33,58	2102101049	67,16	33,58
M6X1	100	15	30	6	4.5	2101101055	68,64	34,32	2102101055	68,64	34,32
M8X1.25	150	19	-	6.2	5	2101101064	132,88	66,44	2102101064	132,88	66,44
M10X1.5	150	23	-	7	5.5	2101101078	159,67	79,84	2102101078	159,67	79,84
M12X1.75	150	26	-	8.5	6.5	2101101088	184,97	92,49	2102101088	184,97	92,49
M16X2	150	26	-	12.5	10	2101101114	265,71	132,86	2102101114	265,71	132,86
M	LF	THL	LU	DCON	K	JIS			JIS		
M6X0.75	100	15	30	6	4.5	2101101056	85,91	42,96	2102101056	85,91	42,96
M8X1	150	19	-	6.2	5	2101101065	152,68	76,34	2102101065	152,68	76,34
M10X1.25	150	23	-	7	5.5	2101101079	159,67	79,84	2102101079	159,67	79,84
M12X1.5	150	26	-	8.5	6.5	2101101089	192,33	96,17	2102101089	192,34	96,17
M12X1.25	150	26	-	8.5	6.5	2101101090	192,34	96,17	2102101090	192,34	96,17
M14X1.5	150	26	-	10.5	8	2101101102	240,41	120,21	2102101102	240,41	120,21
M16X1.5	150	26	-	12.5	10	2101101116	265,71	132,86	2102101116	265,71	132,86



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WARNING

- Tools may shatter. Wear cover or eye glass to avoid injury during tapping.
- Tools may shatter. Use tools under the proper tapping condition.
- Never wear gloves during turning operations as the gloves may get caught with the tools.
- Wear safety shoes to avoid injuring yourself by the falling tools.
- On attaching tools to the machine, fasten firmly to avoid shattering and run-out.
- Fasten the workpieces firmly so that they never move during operation. Never use worn tools or damaged tools with chipping.
- Take a special care to fire trouble. High temperature during machining may cause fire.



JQA-QMA14664



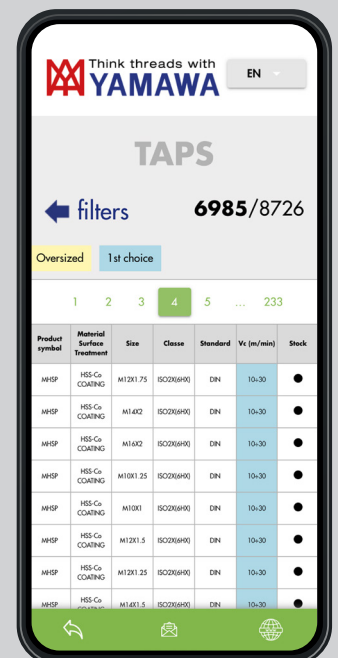
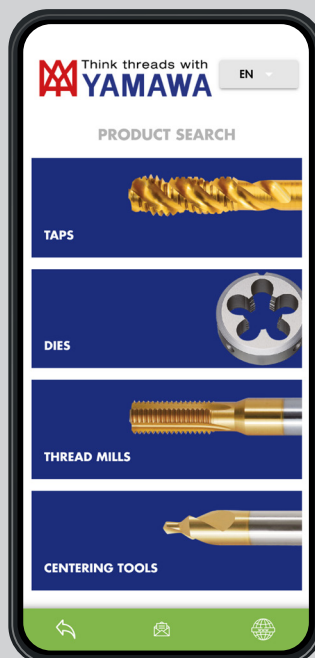
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