

Designation key HSS-E-PM thread former

Example:

T	C	4	20	–	M10	–	C	1	–	W	W	60	AD
1	2	3	4	5	6		7	8		Grade			

1	2	3	4
Tool group	Generation	Tool type	Tool type
T Threading		4 Thread formers	20 Universal 200–1200 N/mm ² 30 ISO P 200–1200 N/mm ²

5	6	7	8
1. Delimiters	Thread dimensions	Tolerance/shank type	Modification
– Metric D DIN/ANSI		C 6HX, 2B Reinforced shank E 6GX Reinforced shank L 6HX, 2B Reduced shank N 6HX Reduced shank	0 External coolant without lubrication grooves 1 Axial internal coolant, without lubrication grooves 2 Radial internal coolant 6 External coolant with lubrication grooves E Chamfer form E H Extended shank XL

B3

Grade designation key for solid carbide and HSS-E (PM) cutting tool materials

Example:

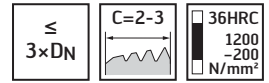
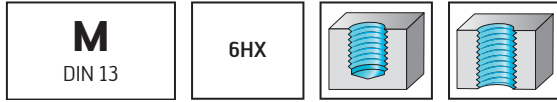
W	W	60	AD
Walter	1	2	3

1	2	3
Substrate	Application range	Coating
Solid carbide HSS-E-PM W HSS-E Y		AD TiN BA TiCN EL AlCrN

HSS-E-PM machine thread formers TC420 Supreme

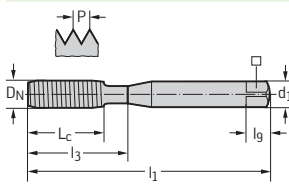


- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

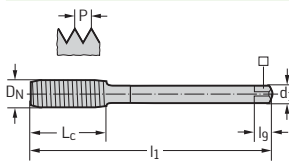


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-C0-	M 2	0,4	45	4	11	2,8	2,1	5	3	✖	✖
TC420-M2.5-C0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	✖	✖
TC420-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	4	✖	✖
TC420-M3.5-C0-	M 3.5	0,6	56	7	20	4	3	6	4	✖	✖
TC420-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	5	✖	✖
TC420-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	5	✖	✖
TC420-M6-C0-	M 6	1	80	10	30	6	4,9	8	5	✖	✖
TC420-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	5	✖	✖
TC420-M10-C0-	M 10	1,5	100	15	39	10	8	11	6	✖	✖

Ordering example for the WW60AD grade: TC420-M2-C0-WW60AD

B3

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-L0-	M 12	1,75	110	16	83	9	7	10	6	✖	✖
TC420-M14-L0-	M 14	2	110	20	81	11	9	12	6	✖	✖
TC420-M16-L0-	M 16	2	110	20	68	12	9	12	6	✖	✖
TC420-M20-L0-	M 20	2,5	140	25	95	16	12	15	7	✖	

Ordering example for the WW60AD grade: TC420-M12-L0-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

≤
3×DN

C=2-3

36HRC
1200
-200
N/mm ²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	5		✘	✘
TC420-M6-C1-	M 6	1	80	10	30	6	4,9	8	5		✘	✘
TC420-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	5		✘	✘
TC420-M10-C1-	M 10	1,5	100	15	39	10	8	11	6		✘	✘

Ordering example for the WW60AD grade: TC420-M5-C1-WW60AD

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M12-L1-	M 12	1,75	110	16	83	9	7	10	6		✘	✘
TC420-M14-L1-	M 14	2	110	20	81	11	9	12	6		✘	✘
TC420-M16-L1-	M 16	2	110	20	68	12	9	12	6		✘	✘

Ordering example for the WW60AD grade: TC420-M12-L1-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

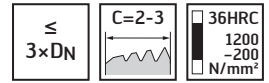
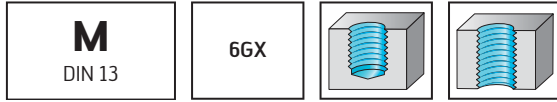
● Other application

B3

HSS-E-PM machine thread formers TC420 Supreme

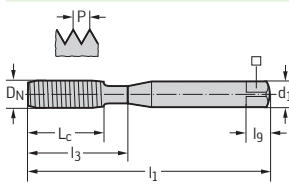


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

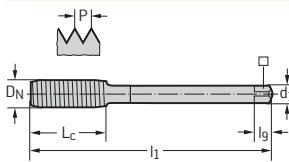


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-E0-	M 2	0,4	45	4	11	2,8	2,1	5	3	✘	✘
TC420-M2.5-E0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	✘	✘
TC420-M3-E0-	M 3	0,5	56	6	18	3,5	2,7	6	4	✘	✘
TC420-M3.5-E0-	M 3.5	0,6	56	7	20	4	3	6	4	✘	✘
TC420-M4-E0-	M 4	0,7	63	7	21	4,5	3,4	6	5	✘	✘
TC420-M5-E0-	M 5	0,8	70	8	25	6	4,9	8	5	✘	✘
TC420-M6-E0-	M 6	1	80	10	30	6	4,9	8	5	✘	✘
TC420-M8-E0-	M 8	1,25	90	12	35	8	6,2	9	5	✘	✘
TC420-M10-E0-	M 10	1,5	100	15	39	10	8	11	6	✘	✘

Ordering example for the WW60AD grade: TC420-M2-E0-WW60AD

B3

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-N0-	M 12	1,75	110	16	83	9	7	10	6	✘	
TC420-M14-N0-	M 14	2	110	20	81	11	9	12	6	✘	
TC420-M16-N0-	M 16	2	110	20	68	12	9	12	6	✘	

Ordering example for the WW60AD grade: TC420-M12-N0-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

≤
3,5×DN

C=2-3

36HRC
1200
-200
N/mm²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●	●	●
WW60BA	●	●	●	●	●	●	●

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M2-C6-	M 2	0,4	45	4	11	2,8	2,1	5	3		✘	✘
TC420-M2.5-C6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3		✘	✘
TC420-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4		✘	✘
TC420-M3.5-C6-	M 3.5	0,6	56	7	20	4	3	6	4		✘	✘
TC420-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5		✘	✘
TC420-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5		✘	✘
TC420-M6-C6-	M 6	1	80	10	30	6	4,9	8	5		✘	✘
TC420-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	5		✘	✘
TC420-M10-C6-	M 10	1,5	100	15	39	10	8	11	6		✘	✘

Ordering example for the WW60AD grade: TC420-M2-C6-WW60AD

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M12-L6-	M 12	1,75	110	16	83	9	7	10	6		✘	✘
TC420-M14-L6-	M 14	2	110	20	81	11	9	12	6		✘	✘
TC420-M16-L6-	M 16	2	110	20	68	12	9	12	6		✘	✘
TC420-M20-L6-	M 20	2,5	140	25	95	16	12	15	7		✘	✘

Ordering example for the WW60AD grade: TC420-M12-L6-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

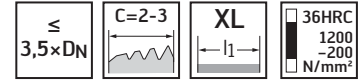
● Other application

B3

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials



P	M	K	N	S	H	O
●	●	●	●	●		

~DIN376 XL

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC420-M3-CH-	M 3	0,5	125	6	18	3,5	2,7	6	4	★
TC420-M4-CH-	M 4	0,7	125	7	21	4,5	3,4	6	5	★
TC420-M5-CH-	M 5	0,8	140	8	25	6	4,9	8	5	★
TC420-M6-CH-	M 6	1	160	10	30	6	4,9	8	5	★

Ordering example for the WW60AD grade: TC420-M3-CH-WW60AD

B3

~DIN376 XL

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC420-M8-LH-	M 8	1,25	180	18	157	6	4,9	8	5	★
TC420-M10-LH-	M 10	1,5	200	20	177	7	5,5	8	6	★
TC420-M12-LH-	M 12	1,75	220	23	193	9	7	10	6	★
TC420-M16-LH-	M 16	2	220	25	178	12	9	12	6	★

Ordering example for the WW60AD grade: TC420-M8-LH-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials

≤
3,5×DN

C=2-3

36HRC
1200
-200
N/mm²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	5		✖	✖
TC420-M6-C2-	M 6	1	80	10	30	6	4,9	8	5		✖	✖
TC420-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	5		✖	✖
TC420-M10-C2-	M 10	1,5	100	15	39	10	8	11	6		✖	✖

Ordering example for the WW60AD grade: TC420-M5-C2-WW60AD

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M12-L2-	M 12	1,75	110	16	83	9	7	10	6		✖	✖
TC420-M14-L2-	M 14	2	110	20	81	11	9	12	6		✖	✖
TC420-M16-L2-	M 16	2	110	20	68	12	9	12	6		✖	✖
TC420-M20-L2-	M 20	2,5	140	25	95	16	12	15	7		✖	✖

Ordering example for the WW60AD grade: TC420-M12-L2-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

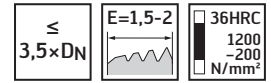
● Other application

B3

HSS-E-PM machine thread formers TC420 Supreme

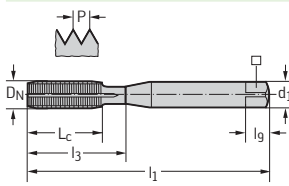


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

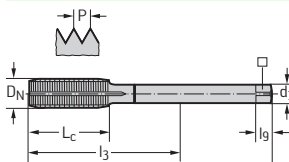


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-CE-	M 2	0,4	45	4	11	2,8	2,1	5	3	★	★
TC420-M2.5-CE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	★	★
TC420-M3-CE-	M 3	0,5	56	6	18	3,5	2,7	6	4	★	★
TC420-M3.5-CE-	M 3.5	0,6	56	7	20	4	3	6	4	★	★
TC420-M4-CE-	M 4	0,7	63	7	21	4,5	3,4	6	5	★	★
TC420-M5-CE-	M 5	0,8	70	8	25	6	4,9	8	5	★	★
TC420-M6-CE-	M 6	1	80	10	30	6	4,9	8	5	★	★
TC420-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	5	★	★
TC420-M10-CE-	M 10	1,5	100	15	39	10	8	11	6	★	★

Ordering example for the WW60AD grade: TC420-M2-CE-WW60AD

B3

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-LE-	M 12	1,75	110	16	83	9	7	10	6	★	★
TC420-M14-LE-	M 14	2	110	20	81	11	9	12	6	★	★
TC420-M16-LE-	M 16	2	110	20	68	12	9	12	6	★	★

Ordering example for the WW60AD grade: TC420-M12-LE-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

$\leq 3,5 \times DN$	C=2-3	36HRC 1200 -200 N/mm ²
----------------------	-------	--

M DIN 13	6GX		
--------------------	------------	--	--

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M2-E6-	M 2	0,4	45	4	11	2,8	2,1	5	3		✘	✘
TC420-M2.5-E6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3		✘	✘
TC420-M3-E6-	M 3	0,5	56	6	18	3,5	2,7	6	4		✘	✘
TC420-M3.5-E6-	M 3.5	0,6	56	7	20	4	3	6	4		✘	✘
TC420-M4-E6-	M 4	0,7	63	7	21	4,5	3,4	6	5		✘	✘
TC420-M5-E6-	M 5	0,8	70	8	25	6	4,9	8	5		✘	✘
TC420-M6-E6-	M 6	1	80	10	30	6	4,9	8	5		✘	✘
TC420-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	5		✘	✘
TC420-M10-E6-	M 10	1,5	100	15	39	10	8	11	6		✘	✘

Ordering example for the WW60AD grade: TC420-M2-E6-WW60AD

DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M12-N6-	M 12	1,75	110	16	83	9	7	10	6		✘	
TC420-M14-N6-	M 14	2	110	20	81	11	9	12	6		✘	
TC420-M16-N6-	M 16	2	110	20	68	12	9	12	6		✘	

Ordering example for the WW60AD grade: TC420-M12-N6-WW60AD

WALTER SELECT

Best tool for machining conditions

Good
 Average
 Poor

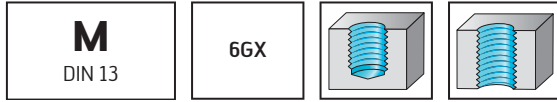
●● Primary application
 ● Other application

B3

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials



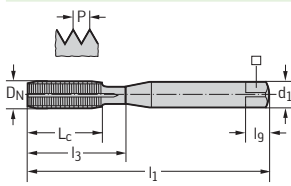
M
DIN 13

6GX

$\leq 3,5 \times DN$

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

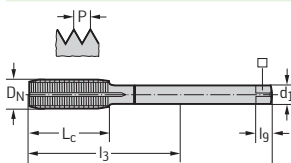


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-EE-	M 2	0,4	45	4	11	2,8	2,1	5	3	✱	✱
TC420-M2.5-EE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	✱	✱
TC420-M3-EE-	M 3	0,5	56	6	18	3,5	2,7	6	4	✱	✱
TC420-M4-EE-	M 4	0,7	63	7	21	4,5	3,4	6	5	✱	✱
TC420-M5-EE-	M 5	0,8	70	8	25	6	4,9	8	5	✱	✱
TC420-M6-EE-	M 6	1	80	10	30	6	4,9	8	5	✱	✱
TC420-M8-EE-	M 8	1,25	90	12	35	8	6,2	9	5	✱	✱
TC420-M10-EE-	M 10	1,5	100	15	39	10	8	11	6	✱	✱

Ordering example for the WW60AD grade: TC420-M2-EE-WW60AD

B3

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-NE-	M 12	1,75	110	16	83	9	7	10	6	✱	
TC420-M14-NE-	M 14	2	110	20	81	11	9	12	6	✱	
TC420-M16-NE-	M 16	2	110	20	68	12	9	12	6	✱	

Ordering example for the WW60AD grade: TC420-M12-NE-WW60AD

HSS-E-PM machine thread formers TC430 Supreme



– For long-chipping materials

$\leq 3,5 \times DN$

$C=2-3$

36HRC
1200
-200
N/mm ²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●
WW60EL	●●	●	●	●	●	●	●

DIN 2174											WW60AD	WW60EL
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60EL
TC430-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4			✘
TC430-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5			✘
TC430-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5			✘
TC430-M6-C6-	M 6	1	80	10	30	6	4,9	8	5			✘
TC430-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	6		✘	✘
TC430-M10-C6-	M 10	1,5	100	15	39	10	8	11	7		✘	✘

Ordering example for the WW60AD grade: TC430-M8-C6-WW60AD

DIN 2174											WW60AD	WW60EL
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60EL
TC430-M12-L6-	M 12	1,75	110	16	83	9	7	10	8		✘	✘
TC430-M16-L6-	M 16	2	110	20	68	12	9	12	8		✘	✘

Ordering example for the WW60AD grade: TC430-M12-L6-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

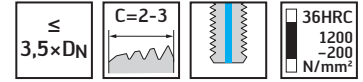
● Other application

B 3

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials



P	M	K	N	S	H	O
●	●	●	●			

DIN 2174											WW60AD
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		
TC430-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	6	★	
TC430-M10-C1-	M 10	1,5	100	15	39	10	8	11	7	★	

Ordering example for the WW60AD grade: TC430-M8-C1-WW60AD

B3

DIN 2174											WW60AD
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		
TC430-M12-L1-	M 12	1,75	110	16	83	9	7	10	8	★	
TC430-M16-L1-	M 16	2	110	20	68	12	9	12	8	★	

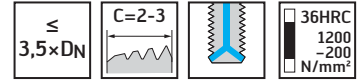
Ordering example for the WW60AD grade: TC430-M12-L1-WW60AD

★ / ★ New addition to the product range

HSS-E-PM machine thread formers TC430 Supreme



– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●			

DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	mm	l_g mm	N	WW60AD
		TC430-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	6	●
		TC430-M10-C2-	M 10	1,5	100	15	39	10	8	11	7	●

Ordering example for the WW60AD grade: TC430-M8-C2-WW60AD

DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	mm	l_g mm	N	WW60AD
		TC430-M12-L2-	M 12	1,75	110	16	83	9	7	10	8	●
		TC430-M16-L2-	M 16	2	110	20	68	12	9	12	8	●

Ordering example for the WW60AD grade: TC430-M12-L2-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

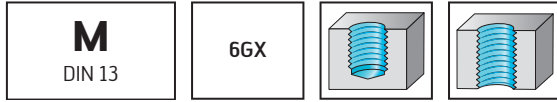
● Other application

B3

HSS-E-PM machine thread formers TC430 Supreme

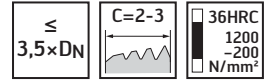


- For long-chipping materials



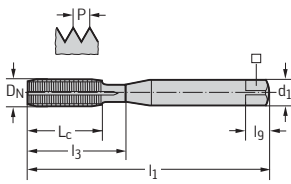
M
DIN 13

6GX



	P	M	K	N	S	H	O
WW60AD	●	●	●	●			

DIN 2174

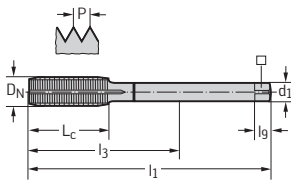


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC430-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	6	★
TC430-M10-E6-	M 10	1,5	100	15	39	10	8	11	7	★

Ordering example for the WW60AD grade: TC430-M8-E6-WW60AD

B3

DIN 2174



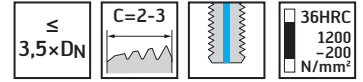
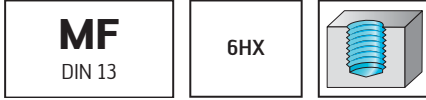
Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC430-M12-N6-	M 12	1,75	110	16	83	9	7	10	8	★
TC430-M16-N6-	M 16	2	110	20	68	12	9	12	8	★

Ordering example for the WW60AD grade: TC430-M12-N6-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
		TC420-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	5	✳
		TC420-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	6	✳
		TC420-M12X1-L1-	MF 12x1	1	100	13	73	9	7	10	6	✳
		TC420-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	6	✳
		TC420-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	6	✳

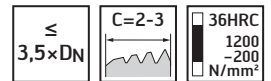
Ordering example for the WW60AD grade: TC420-M8X1-L1-WW60AD

B3

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

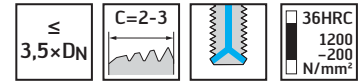
DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
		TC420-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	5	✳	✳
		TC420-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	6	✳	✳
		TC420-M12X1-L6-	MF 12x1	1	100	13	73	9	7	10	6	✳	✳
		TC420-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	✳	✳
		TC420-M14X1-L6-	MF 14x1	1	100	15	71	11	9	12	6	✳	✳
		TC420-M14X1.25-L6-	MF 14x1.25	1,25	100	15	71	11	9	12	6	✳	✳
		TC420-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	✳	✳
		TC420-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	✳	✳

Ordering example for the WW60AD grade: TC420-M8X1-L6-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
		TC420-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	✘	✘
		TC420-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	6	✘	✘
		TC420-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	6	✘	✘
		TC420-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	6	✘	✘
		TC420-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	6	✘	✘
		TC420-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	✘	✘

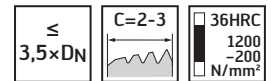
Ordering example for the WW60AD grade: TC420-M8X1-L2-WW60AD

B3

HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
		TC420-M8X1-N6-	MF 8x1	1	90	12	67	6	4,9	8	5	✘	✘
		TC420-M10X1-N6-	MF 10x1	1	90	12	67	7	5,5	8	6	✘	✘
		TC420-M12X1-N6-	MF 12x1	1	100	13	73	9	7	10	6	✘	✘
		TC420-M12X1.5-N6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	✘	✘
		TC420-M14X1.5-N6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	✘	✘
		TC420-M16X1.5-N6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	✘	✘

Ordering example for the WW60AD grade: TC420-M8X1-N6-WW60AD

✘ ✘ ✘ / ★ New addition to the product range

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials

$\leq 3,5 \times DN$

$C=2-3$

36HRC
1200
-200
N/mm²

MF
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●			
WW60EL	●	●	●	●			

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60EL
		TC430-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	6	✘	✘
		TC430-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	7	✘	✘
		TC430-M10X1.25-L6-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	✘	✘
		TC430-M12X1-L6-	MF 12x1	1	100	13	73	9	7	10	8	✘	✘
		TC430-M12X1.25-L6-	MF 12x1.25	1,25	100	13	73	9	7	10	8	✘	✘
		TC430-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	8	✘	✘
		TC430-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	8	✘	✘
		TC430-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	8	✘	✘

Ordering example for the WW60AD grade: TC430-M8X1-L6-WW60AD

B3

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials

$\leq 3,5 \times DN$

$C=2-3$

36HRC
1200
-200
N/mm²

MF
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●			

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
		TC430-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	6	✘
		TC430-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	7	✘
		TC430-M10X1.25-L1-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	✘
		TC430-M12X1-L1-	MF 12x1	1	100	13	73	9	7	10	8	✘
		TC430-M12X1.25-L1-	MF 12x1.25	1,25	100	13	73	9	7	10	8	✘
		TC430-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	8	✘
		TC430-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	8	✘
		TC430-M16X1.5-L1-	MF 16x1.5	1,5	100	15	58	12	9	12	8	✘

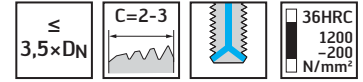
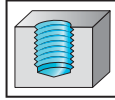
Ordering example for the WW60AD grade: TC430-M8X1-L1-WW60AD

✘ ✘ ✘ / ★ New addition to the product range

HSS-E-PM machine thread formers TC430 Supreme

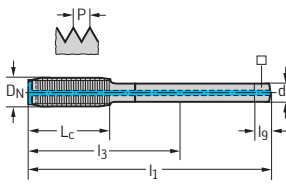


- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●			

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD
TC430-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	6	★
TC430-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	7	★
TC430-M10X1.25-L2-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	★
TC430-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	8	★
TC430-M12X1.25-L2-	MF 12x1.25	1,25	100	13	73	9	7	10	8	★
TC430-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	8	★
TC430-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	8	★
TC430-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	8	★

Ordering example for the WW60AD grade: TC430-M8X1-L2-WW60AD

B3